Landmark Environmental, LLC
2042 West 98th Street
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July 18, 2017

Sent via Email

Mr. Allan Timm and Ed Olson
MPCA VIC Program
520 Lafayette Road
St. Paul, MN 55155-4194

Re: Bioremediation Implementation and Groundwater, Active VMS and Soil Vapor Monitoring Report
Minnesota BioBusiness Center, Rochester

Dear Mr. Timm and Mr. Olson:

On behalf of the City of Rochester (City), Landmark Environmental, LLC (Landmark) has prepared this letter report (Report) to present groundwater, bioremediation, active vapor mitigation system (VMS) and soil vapor results from the above referenced property (Property), shown in **Figure 1**. This report summarizes the bioremediation and bioaugmentation events completed September 12 through 17 and on October 20, 2016. This Report also documents quarterly groundwater monitoring results from the November 29, 2016, and January 30, 2017, sampling events; and, soil vapor and VMS monitoring results from the February 28, 2017, sampling event.

BACKGROUND

Approximately two years after shutdown of the DPE system on August 26, 2013, some rebound in VOC concentrations was observed in the groundwater and soil vapor on the Property. Therefore, a meeting with Landmark, MPCA, and the City was held on March 17, 2015, to discuss the next steps for the Property. MPCA requested additional groundwater response actions including: repairing and restarting the DPE system; operating the DPE system for one to six months; and applying an in-situ groundwater injection remediation technology at select DPE wells to remediate residual VOC contamination in the fractured bedrock. In addition, the MPCA requested additional soil vapor response actions, which included converting the passive vapor mitigation system (VMS) to an active VMS.

As a result of the meeting, the DPE system was repaired and restarted, the VMS was converted from a passive to an active system in 2015, and the City and Landmark began preparations to implement a bioremediation response action at the Property. The DPE system, which restarted on October 13, 2015, operated until September 8, 2016, when it was shut down to allow groundwater levels to stabilize prior to bioremediation/bioaugmentation chemical injection activities. The DPE system remains off with groundwater being monitored on a quarterly basis to assess the effectiveness of the bioremediation and bioaugmentation events.

ENHANCED BIOREMEDIATION/BIOAUGMENTATION RESPONSE ACTION

Landmark contracted ORIN Remediation Technologies, LLC (ORIN) to conduct the enhanced bioremediation and bioaugmentation work that was detailed in the *Revised Groundwater Remediation Work Plan* dated July 26, 2016, which was approved by the MPCA on October 3, 2016 and the Minnesota Department of Health on September 6, 2016.

The bioremediation implementation began on September 12, 2016 when ORIN mobilized to the Property and concluded on September 17, 2016. The bioaugmentation implementation was completed on October 20, 2016. The bioremediation and bioaugmentation are designed to create an anaerobic environment in the groundwater where the added microorganisms can thrive. This creates an environment in which PCE can biodegrade to non-toxic ethene, with the goal of reducing groundwater concentrations of PCE to achieve final site closure. Photo logs of the enhanced bioremediation and bioaugmentation activities are shown in **Attachment 1**.

GROUNDWATER CONDITIONS PRIOR TO BIOREMEDIATION

Prior to response action activities, Landmark provided to ORIN the latest field parameter data (**Table 1**), past natural attenuation data (**Table 2**), and groundwater analytical results (**Tables 3 and 4**) on the Property. This information was used to evaluate the potential effectiveness of enhanced bioremediation and bioaugmentation. Based on the data provided in these tables, the following conclusions were made:

- No well showed reductive dechlorination conditions;
- There were high concentrations of sulfates found, but very low concentrations of sulfides, indicating no sulfate bacteria were present;
- There was no iron present; therefore, iron bacteria were starving;
- There was no methane present; therefore, no methanogens was occurring from methanogen bacteria;
- There was little dissolved organic carbon present in the groundwater; and,
- The groundwater aquifer was under aerobic conditions.

Optimal groundwater conditions for enhanced bioremediation are at an oxidation reduction potential of less than -100 and a dissolved oxygen concentration of less than 0.5 milligrams per liter (mg/L). For enhanced bioremediation, it was determined that a soluble carbon food source would be required to change the groundwater to an anaerobic environment.

On July 28, 2016, a microbial analysis was performed on Property groundwater to determine if viable populations of dehalogenating bacteria are present, specifically Dehalococcoides sp (Dhc). Landmark collected groundwater samples from two DPE wells (DPE-1 and DPE-3) and shipped them to SiREM for microbial analysis. SiREM performed analyses to determine which bacterial genes and their quantity are present in the matrix. This analysis was conducted to help determine if enhanced bioremediation was an option with the indigenous microorganisms present in the subsurface, or if enhanced bioremediation would have to be followed up with bioaugmentation, which involves injecting dehalogenating bacteria into the subsurface.

The microbial analysis performed by SiREM determined that Dhc was not detected in the analyzed groundwater samples collected at DPE-1 and DPE-3. Therefore, enhanced bioremediation should be

followed up with bioaugmentation by injecting dehalogenating bacteria into the subsurface groundwater through the existing DPE wells. ORIN recommended injecting RTB-1TM, a mixture of living Dehalococcoides bacteria capable of anaerobically degrading chlorinated contaminants such as PCE and its associated degradation products to non-toxic ethene.

ENHANCED BIOREMEDIATION IMPLEMENTATION

The DPE system was turned off on September 8, 2016 to allow the groundwater levels to stabilize. Landmark and ORIN mobilized to the Property on September 12, 2016 to prepare for the bioremediation injection work.

A water test was performed at DPE-1 to ensure safe injection pressures and viability of injection through ORIN's injection equipment. After safety measures were checked and confirmed following the water test, ORIN commenced chemical injection on September 13, 2016.

The treatment chemistry solution was mixed and pumped from ORIN's treatment trailer directly to individual DPE wells. Specifically, the hoses used for transferring the chemical solution used in the chemical injection were routed from ORIN's treatment trailer, located along the alley west of the Property, and through the DPE system exhaust piping directly to the well heads of individual DPE wells located in the basement of the MN BioBusiness Center building. Therefore, the DPE system exhaust piping was disconnected from the DPE system pump to allow the injection hose to pass through it.

During chemical injection, ORIN had difficulty keeping the compression fittings attached to the DPE wells. The fittings routinely detached from the well casing at approximately 20 pounds per square inch (psi). Multiple techniques were implemented to keep the injection apparatus and compression fittings attached to the DPE wells, including using Fernco's, hose clamps, cable ties, zip ties, and duct tape. In order to speed up and maximize the efficiency of the chemical injection process it was determined that the safest way to do this was to inject through inflatable injection packers. ORIN received the inflatable packers from Petrometalic, Inc. on September 15, 2016 and the packers were used for the remainder of the chemical injection process.

The inflatable packers (model BIMBAR 1) can be inflated to withstand 200 psi, and proved to be very effective at stream-lining the injection process. Each packer was retrofitted so that ORIN's injection equipment could connect and thread directly to the packer. The packer worked by connecting an air compressor hose to an inflation port located at the top of the packer. The packer was then lowered into the DPE well and was retrofitted to connect with ORIN's injection equipment. Once the packer was inserted into the DPE well it was inflated to 100 psi, the maximum pressure used. The pipe mandrel is the pipe base upon which the packer is built and is composed of stainless steel. The inside diameter of this pipe provides the space necessary to allow for treatment chemicals to be injected. The packers had a 1-inch threaded top that was connected to ORIN's injecting tubing/equipment. The reinforced rubber element is the outer covering that is mounted on the mandrel and it is inflated to change the packer's outer diameter. By inflating this reinforced rubber element, it provided a tight seal against the well casing, and treatment chemicals could only move from one end of the packer to the other through the center of the mandrel. Photos of the packers and the bioremediation chemical injection are shown in **Attachment 1**.

Enhanced bioremediation implementation was completed after 5 days of work and ended on September 17, 2016. A total of 9,200 gallons of 10% water soluble carbon source treatment chemistry (ABC

solution) was injected into the 8 DPE wells. The DPE wells each have a 12 foot screen and are set between 17 to 22 feet below the basement floor. Each well received 1,150 gallons of ABC treatment chemistry solution, except that 200 gallons of treatment solution was reallocated from DPE-7 (the least contaminated well) to DPE-3 (the most contaminated well). As a result, DPE-3 and DPE-7 received a total of 1,350 gallons and 950 gallons of treatment solution, respectively.

Throughout the injection process, ORIN and Landmark periodically monitored the groundwater for treatment chemistry influence using a down-hole YSI 556 monitoring device. Field parameter results are provided in **Table 1**. Notes on injection point time, concentrations, pressures, rates, and volumes can be found in ORIN's field logs provided in **Attachment 2**.

ENHANCED BIOREMEDIATION IMPLEMENTATION

After the bioremediation injection created an anaerobic environment in the subsurface groundwater, bioaugmentation implementation began on October 20, 2016. The DPE wells were bioaugmented by ORIN using Dehalogenating bacteria. RTB-1TM bacteria were injected through DPE wells 1 through 8.

ORIN mobilized to the Property with 38 liters of bacterial solution that was compressed to 19 liters of bacterial slurry. Each DPE well received 2 liters of slurry (4 liters of actual bacteria solution), and wells DPE-2 and DPE-3 received an additional 1.5 liters of bacterial slurry (3 liters of actual bacteria solution). The bacteria were injected using a hose and compressed nitrogen. A photo log of the bioaugmentation implementation event is shown in **Attachment 1**.

GROUNDWATER MONITORING

Following enhanced bioremediation implementation, groundwater conditions were monitored by Landmark weekly at DPE wells 1 8) and all monitoring wells (MW-14 through MW-20), from September 17, 2016 through October 20, 2016.. Groundwater was monitored using a handheld, submersible YSI 556 Multiparameter Meter. Measurements were collected and recorded for groundwater temperature, conductivity, pH, reduction potential (Eh/ORP), and dissolved oxygen (DO) concentration. Results are provided in **Table 1**. DO ranged from 0.04 mg/L to 1.05 mg/L during the monitoring events; however, DO content remained below 0.5 mg/L at all of the DPE wells and monitoring wells for the majority of the monitoring periods. The ORP ranged from -3.9 mV to -546.1 mV during the groundwater monitoring events. Although the oxidation-reduction potential varied, it was less than -100 mV at all of the DPE wells and monitoring wells for a majority of the monitoring events. The monitoring showed that groundwater conditions continue to remain ideal for dehalogenating bacteria to thrive in the subsurface following the enhanced bioremediation and bioaugmentation implementation events.

Methane gas was monitored at Landmark's soil gas ports (LSG-7 through LSG-10) and the active venting system riser pipes (V-1 through V-4), located in the basement of the building. Methane was monitored approximately every 2 weeks, through the end of January 2017. One more monitoring event took place on February 28, 2017, and continued monitoring will take place approximately once per quarter. The field readings for methane gas are provided in **Table 5**. Methane gas was not-detected at any of the soil gas ports or riser pipes of the active venting system during these monitoring events.

Groundwater monitoring and sampling events were completed on November 29, 2016, and January 30, 2017. On January, 30, 2017, Landmark also collected groundwater samples that were analyzed for Gene-Trac® Dhc analysis at SiREM to verify that viable populations of dehalogenating bacteria were still present in the groundwater. Groundwater samples were collected for Gene-Trac® Dhc analysis from all of the monitoring wells (MW-14 through MW-20), as well asDPE-1 and DPE-3. The SiREM lab report is provided in **Attachment 3**.

All wells sampled for Gene-Trac® Dhc analysis had variable concentrations of Dhc. The Dhc concentrations are provided in Table 1a of **Attachment 3**. MW-14, MW-15, MW-17, MW-18, and MW-19 all had low (10^4 Dhc gene copies per liter [or lower]) concentrations of Dhc i which may indicate that a significant population of Dhc has yet to be established at these locations. The sample collected at MW-16, located adjacent to DPE-1 and between DPE-2 through DPE-7, had slightly higher concentrations of Dhc with a reported concentration of 7 x 10^5 Dhc gene copies per liter, which indicates moderate concentrations of Dhc. The sample collected at MW-20 reported high concentrations of Dhc with a concentration of 6 x 10^8 Dhc gene copies per liter, which indicates t high concentrations of Dhc. Samples collected at wells DPE-1 and DPE-3 both reported high concentrations of Dhc, with a reported concentration at DPE-1 and DPE-3 of 4 x 10^9 Dhc gene and 4 x 10^{10} Dhc gene copies per liter, respectively. The Dhc concentrations reported at the two DPE wells sampled indicates very high concentrations of Dhc associated with very high rates of dechlorination.

Although Dhc concentrations were detected in all of the groundwater samples collected at the monitoring wells (MW-14 through MW-20) and at wells DPE-1 and DPE-3, not all Dhc can convert vinyl chloride to non-toxic ethene. Therefore, additional Gene-Trac® analyses were completed which quantify the functional genes [*vcrA* (vinyl chloride reductase), *bvcA* (BAV1 vinyl chloride reductase), and *tceA* (trichloroethene reductase)] associated with complete degradation of specific chlorinated VOCs to ethene.

The *vcrA*, *bvcA*, and *tceA* genes play specific roles in reductive dechlorination. Specifically, *tceA* converts trichloroethene (TCE) and cis-1,2-dichloroethene (cDCE) to vinyl chloride (VC) and *vcrA* and *bvcA* convert cDCE and VC to non-toxic ethene. As stated above, Dhc was reported at low concentrations in wells MW-14, MW-15, MW-16, MW-17, MW-18, and MW-19; these wells also had low concentrations of *vcrA* present and low or no concentrations of *tceA* present as shown in Table 1b of **Attachment 3**. Concentrations of the VC reductase gene, *bvcA*, were not detected in any of the samples analyzed because the *bvcA* gene was not present in the RTB-1TM bacteria that were injected into the DPE wells. However, T the VC reductase gene, *bvcA*, is not needed because the *vcrA* gene is also a VC reductase gene. With no concentrations of *bvcA* detected and low concentrations of Dhc, *vcrA*, and *tceA* detected in samples MW-14 through MW-19, Landmark and ORIN concluded that more time was needed to establish a population of microoganisms which will degrade chlorinated VOCs to ethane at these locations.

With high concentrations of Dhc, *vcrA*, and *tceA* reported for samples DPE-1, DPE-3, and MW-20, potential for complete dechlorination to ethene is high at these wells. A VC stall is unlikely at wells DPE-1, DPE-3, and MW-20 due to concentrations of *vcrA* being greater than 1 x 10^7 gene copies per liter. It could take about 12 months to establish a population of Dhc bacterial large enough to reduce PCE concentrations in on-site groundwater to site closure levels.

The groundwater analytical results indicate that bioremediation is occurring. This is evident by the November 29, 2016 and January 30, 2017 groundwater samples. As expected, bioremediation is most evident in the DPE wells because they were injected. More time is needed for Dhc bacteria to reach the monitoring wells.

The PCE concentration in MW-16 increased from 92 ug/L on August 10, 2016, to 25,200 µg/L on November 29, 2016 for unknown reasons. It may be mobilization of PCE from bedrock caused by the bioremediation injection at adjacent DPE wells. However, effective bioremediation/bioaugmentation at MW-16 is shown by the biodegradation of 25,200 ug/L of PCE on November 29, 2016, into 91,500 ug/L of cis-DCE on January 30, 2017. TCE and VC increased at MW-16 from non-detect on August 10, 2016, to 341 ug/L and 179 ug/L, respectively.

Historically, TCE and cis-DCE concentrations have been low or non detect during quarterly groundwater sampling events from the Property wells and vinyl chloride had not been detected at any of the wells. The horizontal extent of bioremediation/bioaugmentation is evident at all Property wells based on the observed increase in groundwater concentrations of TCE, cis-DCE, and VC.

The vertical extent of evidence of effective bioremediation/bioaugmentation can be seen by comparing the chlorinated VOC concentrations at well nest MW-16, MW-17, and MW-18. The depth below the basement floor to the bottom of each well is 18 feet for MW-16, 25 feet for MW-17, and 60 feet for MW-18. Biodegradation is occurring at MW-17, but not at the deeper monitoring well, MW-18, which may indicate that the bioremediation/bioaugmentation zone may take more time to reach MW-18. The biodegradation pathway of PCE to TCE, cis-DCE and VC is shown in **Table 6**. **Figure 2** shows PCE concentrations in groundwater at the DPE and monitoring wells**.**

Figure's 3 and **4** show the iso-concentration contour maps for PCE during the November 29, 2016, and January 30, 2017, monitoring events, respectively. The groundwater analytical results are included in **Tables 3** and **4** and the groundwater analytical reports are included in **Attachment 4**. Groundwater monitoring field data sheets are included in **Attachment 5**. **Figure 3** indicates the elevated PCE concentration reported at MW-16, as discussed above, which skews the isoconcentration map to focus on that location. **Figure 4** reflects the reduction of PCE at MW-16 that resulted from the response action at that location. The elevated PCE concentrations in January 2017 are in the area of DPE-4 and DPE-3, an area that also indicated elevated PCE during the November 29, 2016 sampling event.

The groundwater flow interpretations from November 29, 2016, January 30, 2017, and February 28, 2017, are provided in **Figures 5, 6,** and **7**, and show the general shallow groundwater flow direction on the Property to be towards the south-southeast. The DPE and monitoring well hydrographs (**Figure 8** and **9)** show a two to six-foot increase in static groundwater levels after shutting off the DPE system on September 8, 2016. The groundwater elevation data is provided in **Table 7.** The **Figure 9** hydrograph indicates that concentrations decrease with depth. Wells MW-17 and 18 indicate the least influence by this event. The overall pattern of groundwater flow, as shown in **Figures 5-7** remains the same, with localized mounds in the northwest and northeast and a centralized low area running from north to south.

VENTING SYSTEM AND SOIL VAPOR MONITORING RESULTS

Soil vapor system pressure monitoring results to date are included in **Table 8** along with pre-system diagnostic testing results from March 23, 2015, for comparison.

During the February 28, 2017, monitoring event, soil vapor samples were collected from LSG-7 through LSG-10.

In addition, grab headspace samples were collected from storm sewer sumps SP-1 and SP-2 located in the basement of the Property building on August 10, 2016, to evaluate accumulation of vapors from the drain tile systems.

The soil vapor samples were collected in an evacuated, 1 liter Summa canister equipped with a dedicated pneumatic flow controller. Prior to collecting the soil gas samples, at a minimum, two volumes of air were purged from the sampling train using a hand-operated syringe. The sampling line (1/4-inch outer diameter [O.D.] Teflon tubing) was attached to the canister inlet using a Swagelok nut and set of stainless steel ferrules. The sampling line was attached to the tubing in the soil void created (approximately 1-inch O.D.) using new small length of inert tubing. The pneumatic flow controller was pre-set by the laboratory so that the canister fills at a rate in no less than 10 minutes. The Summa canister was equipped with a pressure gauge to monitor vacuum. The Summa canisters were submitted to Legend for analysis of VOCs using U.S. Environmental Protection Agency Method TO-15.

As shown in **Figure 10** and **Table 9**, all of the detected parameters from the February 28, 2017, sampling event were below the MPCA's applicable 33X IISVs. Field data, including PID readings, are included in **Table 10**. The analytical laboratory report from Legend Technical Services, Inc. (Legend) is included in **Attachment 4**.

Conclusions

Based on the results provided in this reporting period, the following conclusions can be made:

- The observed increase in groundwater concentrations of TCE, cis, DCE, and VC provides evidence of effective bioremediation/bioaugmentation at all of the DPE and monitoring wells, except for the deep monitoring well, MW-18;
- The absence of biodegradation at deep monitoring well, MW-18, may indicate that bioremediation/bioaugmentation zone does not reach the depth of MW-18, or it may take more time for the bioremediation/bioaugmentation zone to extend to the depth of MW-18.
- PCE concentration in MW-16 increased significantly from 92 ug/L on August 10, 2016, to 25,200 µg/L on November 29, 2016. Effective bioremediation/bioaugmentation at MW-16 is shown by the biodegradation of PCE from 25,200 ug/L on November 29, 2016, to 91,500 ug/L of cis-DCE on January 30, 2017. TCE and VC increased at MW-16 from non-detect on August 10, 2016, to 341 ug/L and 179 ug/L, respectively;
- The DPE and monitoring well hydrographs in **Figure's 8** and **9,** show a two to six-foot increase in static groundwater levels after shutting off the DPE system on September 8, 2016. The effect is most pronounced in the shallow monitoring points. The overall pattern of groundwater flow, as

shown in **Figures 5-7** remains the same, with localized mounds in the northwest and northeast and a centralized low area running from north to south.

- All sampled parameters from the February 28, 2017, soil vapor sampling event were below the MPCA's applicable 33X IISVs.

Recommendations

Landmark recommends continuous operation of the active VMS as it has been shown to be very effective at controlling vapor levels. Since the active system will continue to operate and protect the building, Landmark recommends no further soil vapor sampling.

Landmark recommends quarterly monitoring of groundwater VOC concentrations, field parameters, and populations of viable dehalogenating bacteria to evaluate the performance of bioremediation/bioaugmentation response actions.

If you have any questions or require additional information, please feel free to contact me at jskramstad@landmarkenv.com and (952) 666-2417.

Sincerely,

Jason D. Skramstad, P.E.

CC: Terry Spaeth, City of Rochester

Figures

Figure 1: Property Location Map
Figure 2: PCE Concentrations in Groundwater
Figure 3: November 29, 2016 Shallow PCE Groundwater Concentration Interpretation
Figure 4: January 30, 2017 Shallow PCE Groundwater Concentration Interpretation
Figure 5: Groundwater Flow Interpretation-November 29, 2016
Figure 6: Groundwater Flow Interpretation-January 30, 2017
Figure 7: Groundwater Flow Interpretation-February 28, 2017
Figure 8: DPE Well Hydrographs
Figure 9: Monitoring Well and Sump Hydrographs
Figure 10: Soil Vapor PCE Concentrations – February 28, 2017

Tables

Table 1: Groundwater Field Data
Table 2: Natural Attenuation Analytical Results
Table 3: DPE Well Groundwater Analytical Results
Table 4: Monitoring Well Groundwater Analytical Results

Table 5: Methane and LEL Field Data
Table 6: PCE, TCE, Cis-1,2-DCE, VC Groundwater Concentration Data
Table 7: Groundwater Elevations
Table 8: Vapor Mitigation Systems Monitoring Results
Table 9: Soil Vapor Sampling Results
Table 10: Soil Vapor and Venting System Field Monitoring Results

Attachments
Attachment 1: Photo Logs
Attachment 2: ORIN Field Data
Attachment 3: SIREM Lab Report
Attachment 4: Groundwater and Soil Vapor Analytical Reports
Attachment 5: Groundwater Field Data

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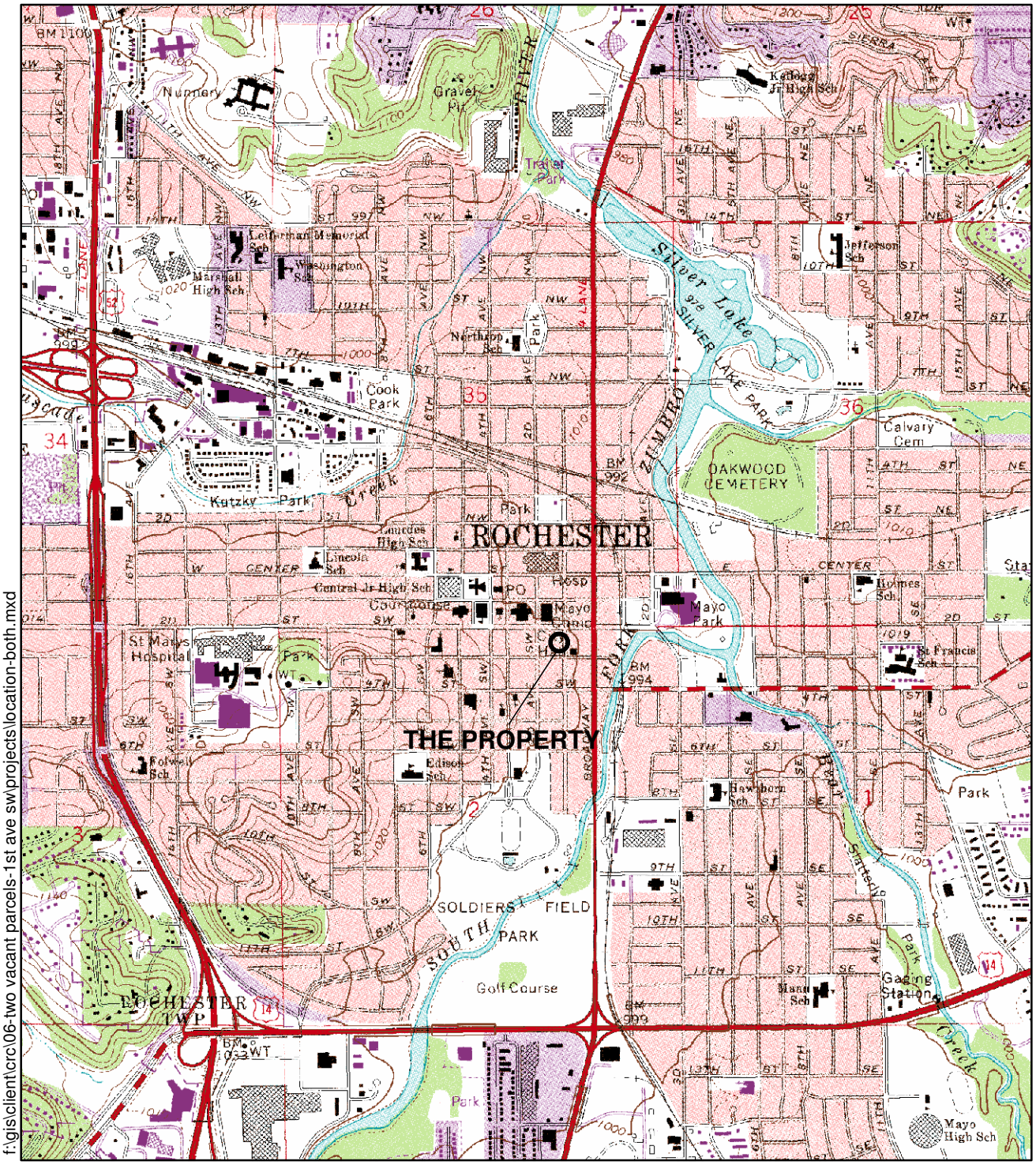
Figures



f:\gis\client\crc\06-two vacant parcels-1st ave sw\projects\location-both.mxd

Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

N

2,000 1,000 0 2,000 Feet

FIGURE 1

PROPERTY LOCATION MAP
219 and 223 1ST Avenue Southwest
Rochester, Minnesota

FIGURE 2A

PCE CONCENTRATIONS IN GROUNDWATER
December 2008 to Present
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

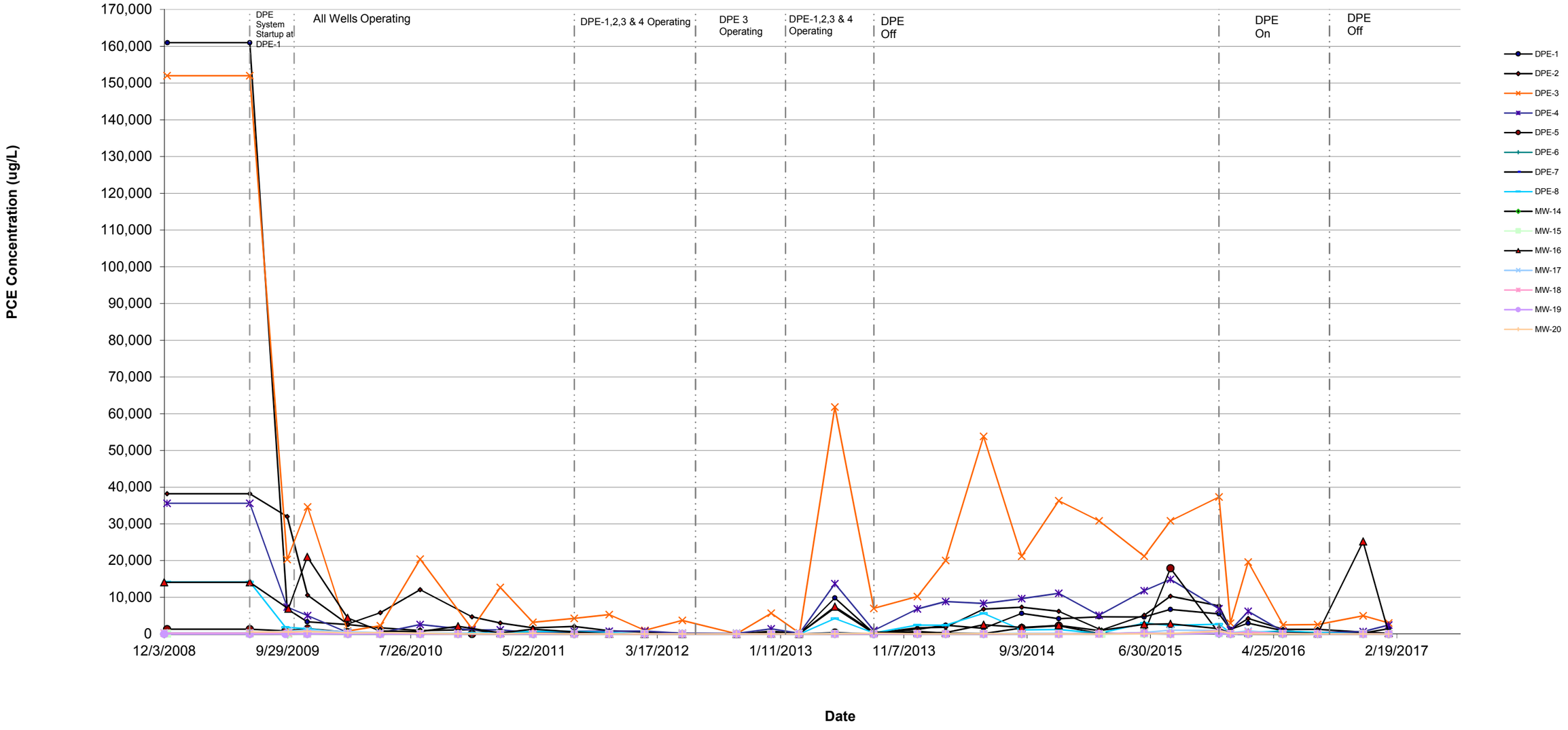
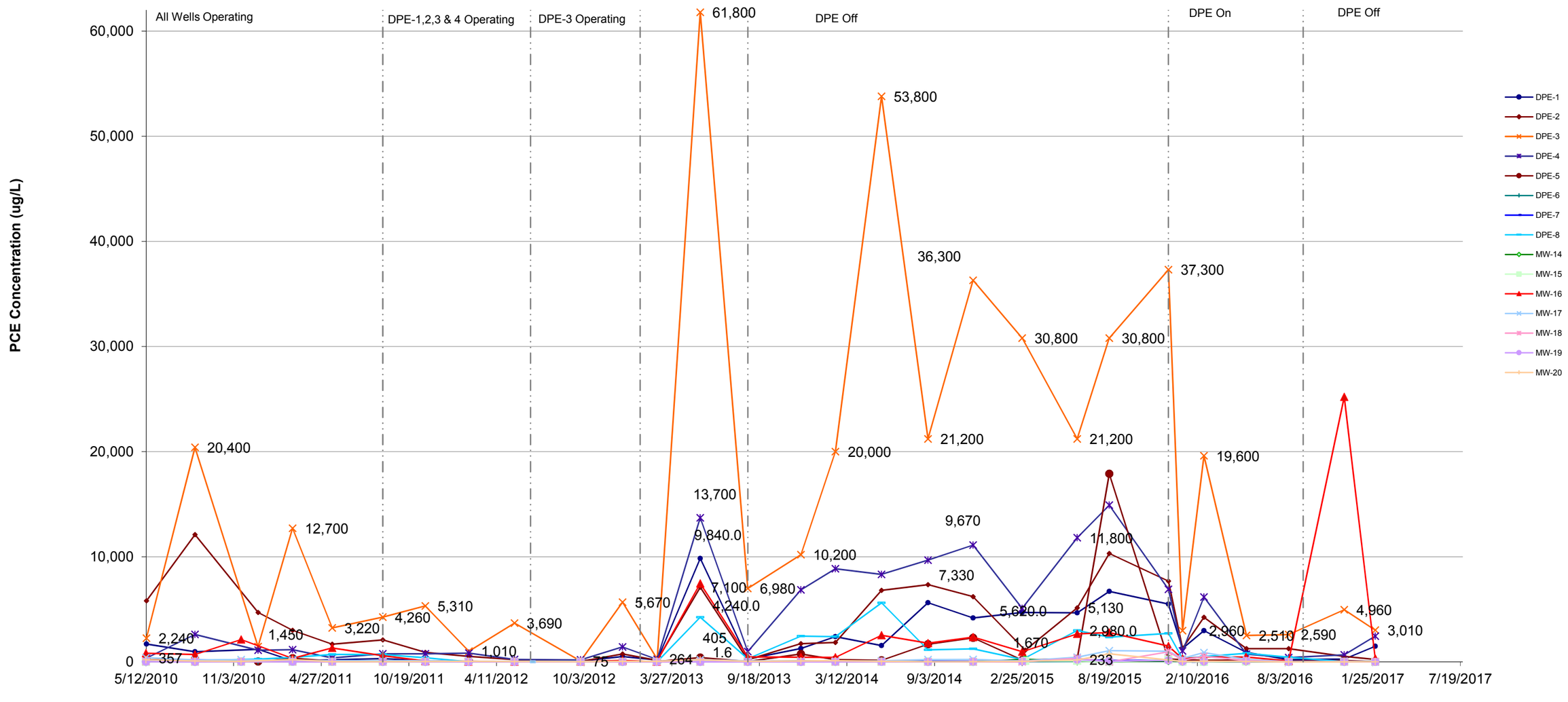


FIGURE 2B

PCE CONCENTRATIONS IN GROUNDWATER
May 2010 to Present
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota



Note:
Department of Health's Health Risk Limit for PCE is 5 ug/L.

The Minnesota

ALLEY

MW-15
(1.6)

MW-14
(1.6)

DPE-6
(1.3)

DPE-7
(10.0)

(10)

MW-17

MW-18

(100)

DPE-1/(B-7)
(261)

MW-16
(25,200)

DPE-2
(522)

DPE-5
(124)

(10,000)

(1,000)

(1,000)

(10)

(100)

DPE-3
(4,960)

(670)
DPE-4

(1,000)

(100)

DPE-8
(6.4)

(10)

PARKING RAMP

(1.8)
MW-19

MW-20
(2.1)

1ST AVENUE SW

LEGEND

⊙ DPE Well Location

⊕ Monitoring Well Location

(35.4) PCE Groundwater Concentration (micrograms per liter)

NOTES:

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 3
SHALLOW PCE GROUNDWATER CONCENTRATION INTERPRETATION
November 29, 2016
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: SMR	Checked: JDS	Designed: JDS	
Scale: .	Date: 01/05/2017	Revision:	
Drawing Number: .	Sheet . Of .	Sheets .	

ALLEY

(1.8)
MW-15

(2.6)
DPE-6

(8)
DPE-7

MW-14
(6.5)

(100)

(10)

MW-17

MW-18

(1,480)
DPE-1/(B-7)

(303)
MW-16

(12)
DPE-5

DPE-2
(220)

(100)

(1,000)

DPE-3
(3,010)

DPE-4
(2,450)

(8.8)
DPE-8

PARKING RAMP

MW-19
(1.8)

MW-20
(ND)

1ST AVENUE SW

LEGEND

⊙ DPE Well Location

⊕ Monitoring Well Location

(35.4) PCE Groundwater Concentration (micrograms per liter)

NOTES:

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

N

10 feet
SCALE

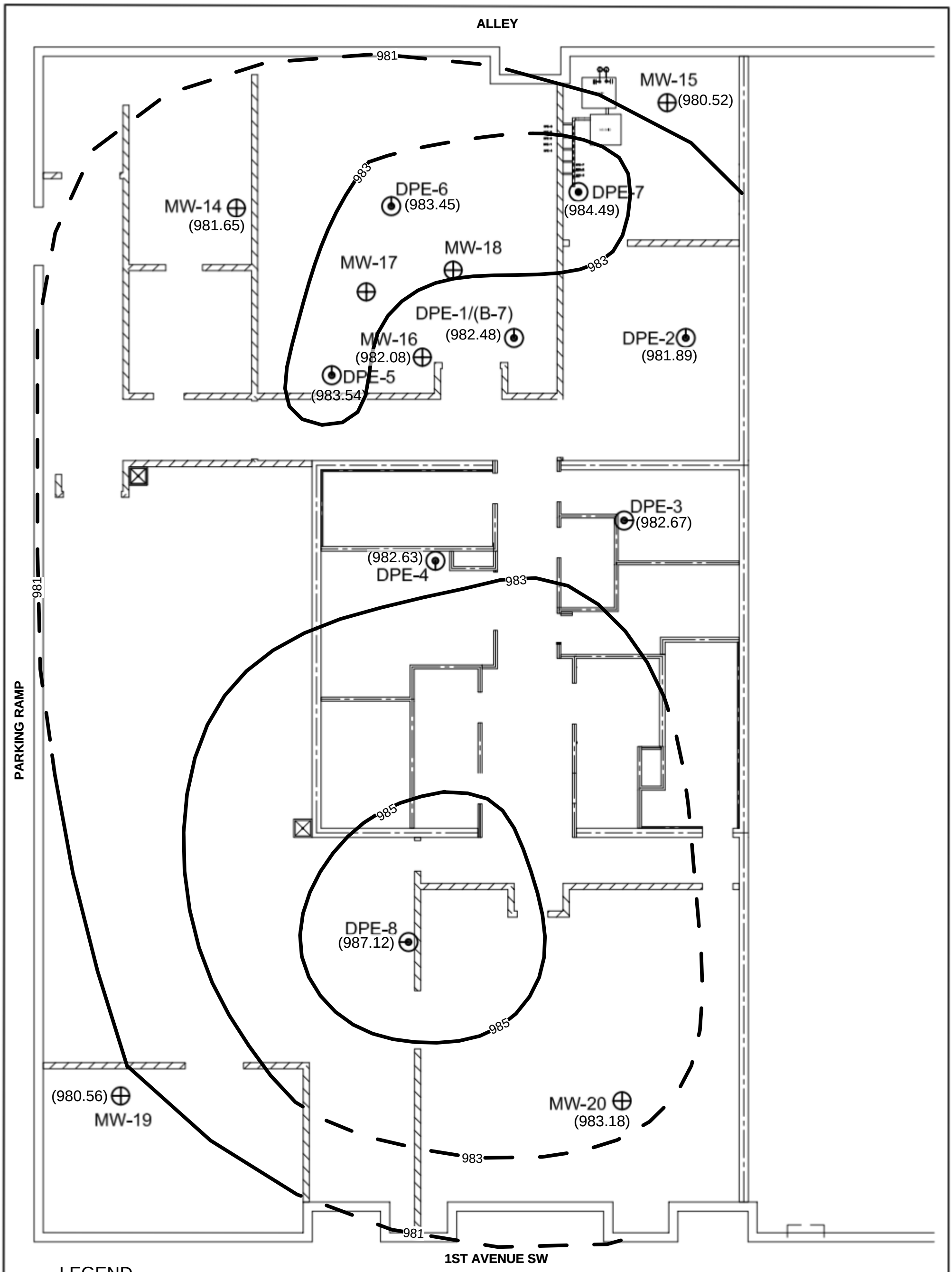
BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 4
SHALLOW PCE GROUNDWATER CONCENTRATION INTERPRETATION
January 30, 2017
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: 3/24/2017	Revision:	
Drawing Number: .		Sheet . Of .	Sheets .



LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location
- (976.92) Groundwater Elevation (feet above mean sea level)

NOTES:

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

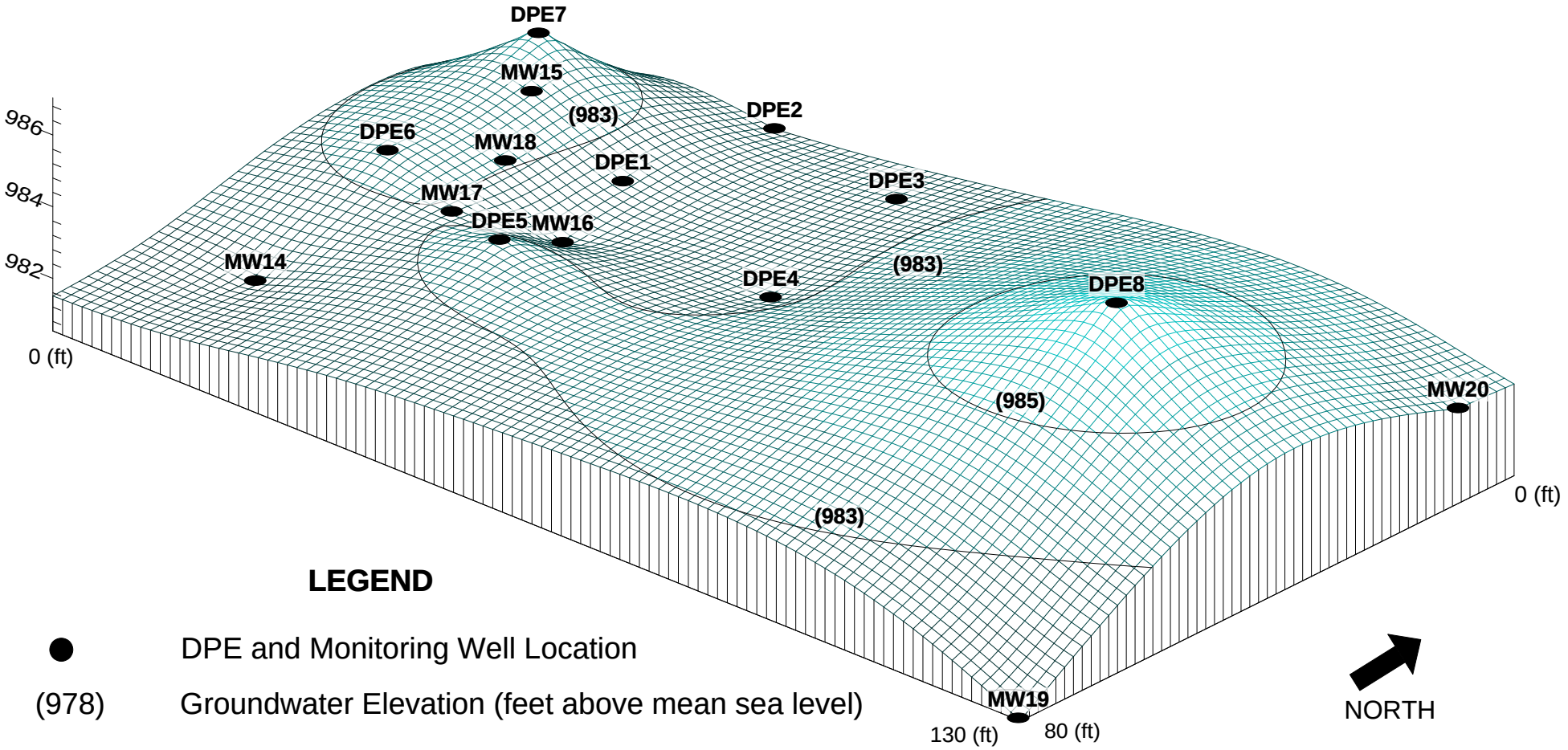
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 5A
GROUNDWATER FLOW INTERPRETATION
November 29, 2016
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: SMR	Checked: JDS	Designed: JDS	
Scale: .	Date: 01/05/2017	Revision:	
Drawing Number: .	Sheet . Of .	Sheets .	

FIGURE 5 B
3D GROUNDWATER FLOW INTERPRETATION
November 29, 2016

MN Bio Business Center
221 First Avenue S.W.
Rochester, Minnesota



LEGEND

● DPE and Monitoring Well Location

(978) Groundwater Elevation (feet above mean sea level)

NOTES:
1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

ALLEY

PARKING RAMP

1ST AVENUE SW

(980.17)
MW-15

MW-14
(981.88)

DPE-6
(983.26)

DPE-7
(984.59)

MW-17
(981.24)

MW-18
(980.44)

DPE-1/(B-7)

MW-16

DPE-2
(981.87)

DPE-5
(982.21)

(982.9)
DPE-3

DPE-4
(981.79)

(985.13)
DPE-8

MW-19
(980.14)

MW-20
(983.33)

982
983
984
981

LEGEND

- DPE Well Location
- Monitoring Well Location
- (976.92) Groundwater Elevation (feet above mean sea level)

NOTES:

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

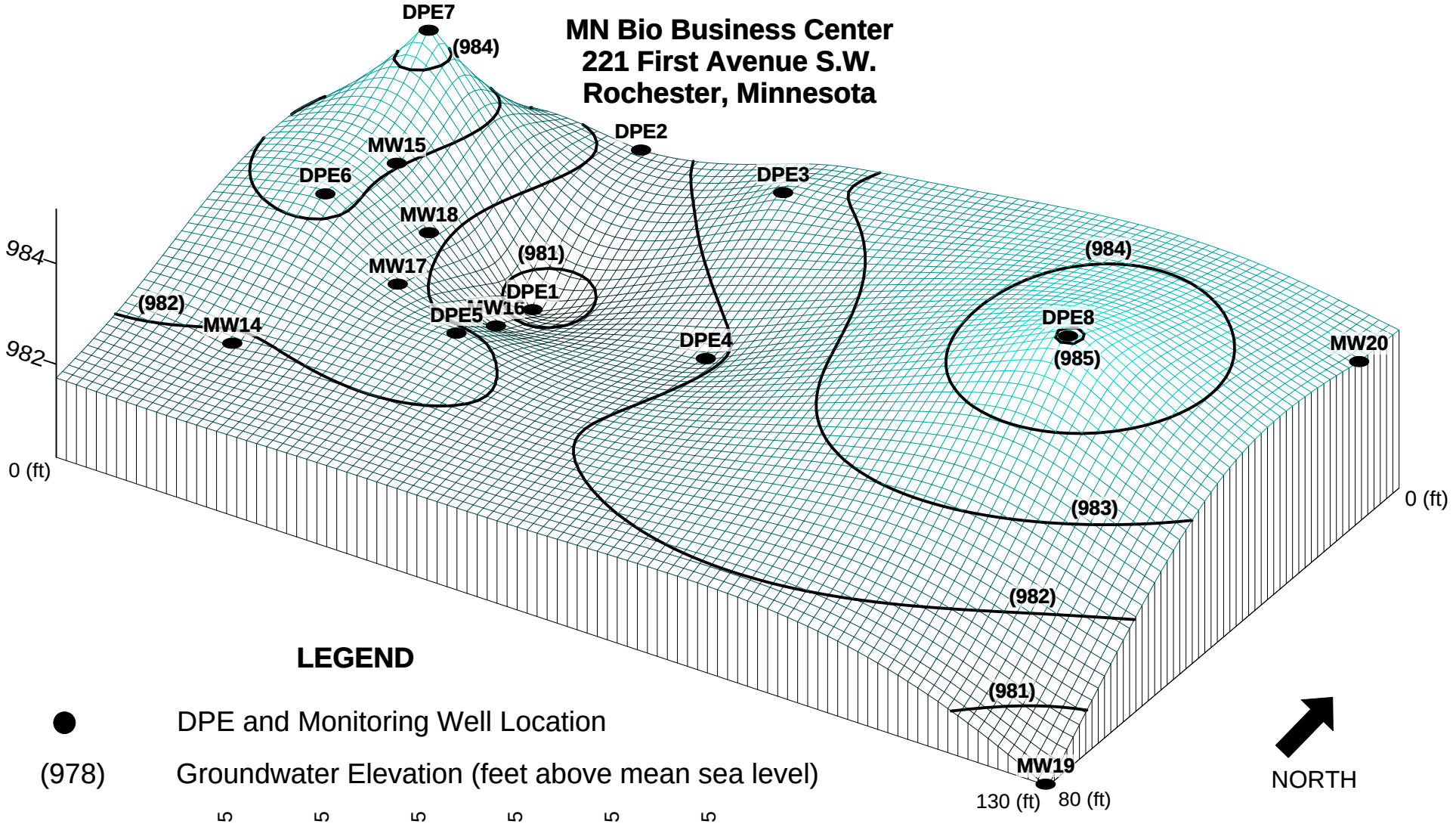
Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 6A
GROUNDWATER FLOW INTERPRETATION
January 30, 2017
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: 3/24/2017	Revision:	
Drawing Number: .	Sheet Of .	Sheets .	

FIGURE 6B
3D GROUNDWATER FLOW INTERPRETATION
January 30, 2017



LEGEND

● DPE and Monitoring Well Location

(978) Groundwater Elevation (feet above mean sea level)

985.5 | 985 | 984.5 | 984 | 983.5 | 983 | 982.5 | 982 | 981.5 | 981 | 980.5 | 980

NOTES:
1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

ALLEY

(980.25)
MW-15

982
982
983
984
983
983
982
981
982
983
982
983
983
983
984
981
982
983

MW-14
(982.11)

DPE-6
(983.81)

DPE-7
(984.53)

MW-17

MW-18

(981.73)

(980.43)
DPE-1/(B-7)

MW-16

DPE-2
(982.85)

DPE-5
(981.68)

(983.55)
DPE-3

DPE-4
(982.19)

(984.18)
DPE-8

PARKING RAMP

MW-19
(980.31)

(982.85)
MW-20

1ST AVENUE SW

LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location
- (976.92) Groundwater Elevation (feet above mean sea level)

NOTES:
1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

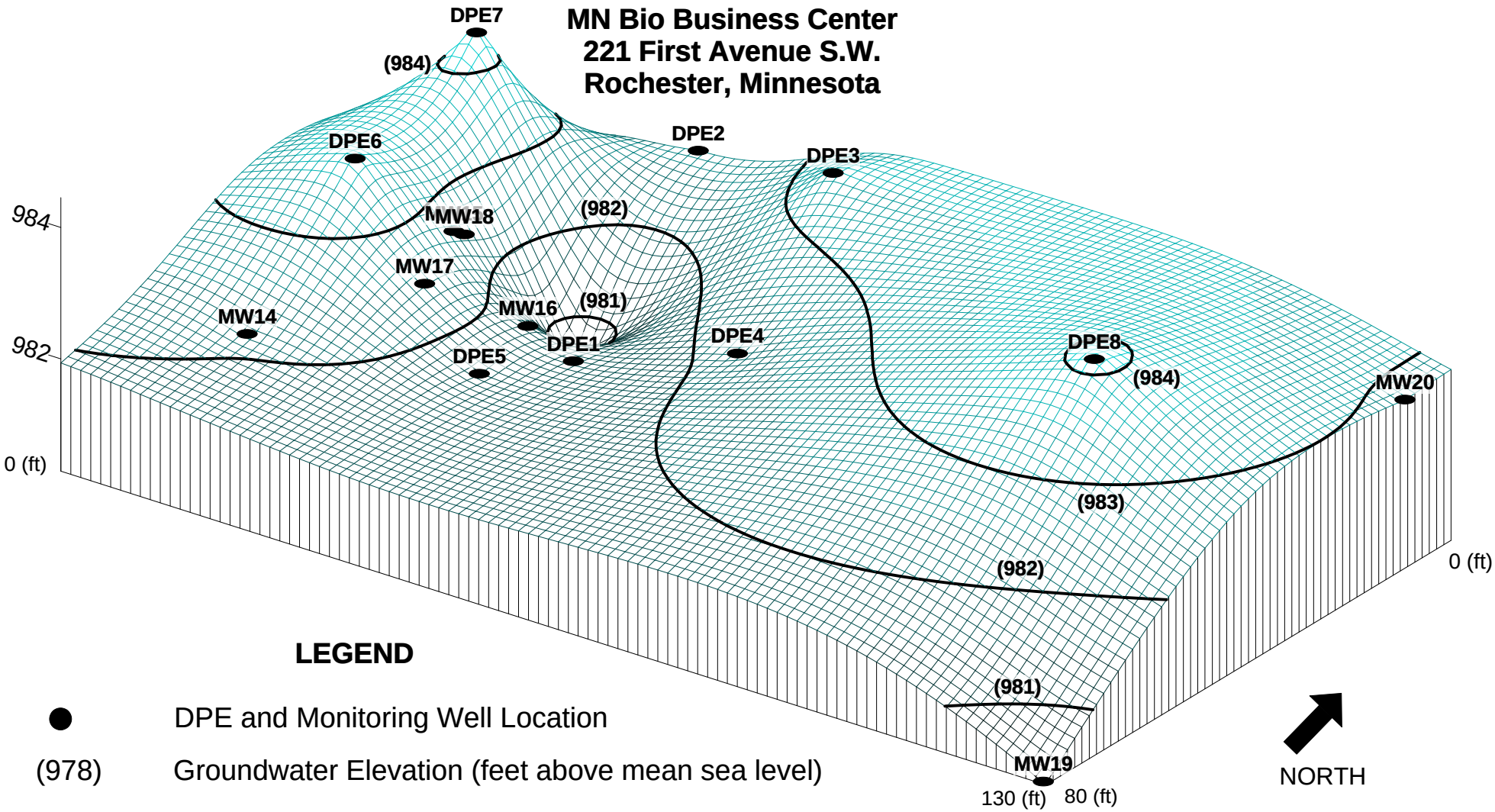
Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 7A
GROUNDWATER FLOW INTERPRETATION
February 28, 2017
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC		
Drawn: KAB	Checked: JDS	Designed: JDS
Scale: .	Date: 3/24/2017	Revision:
Drawing Number: .	Sheet . Of .	Sheets .

FIGURE 7B
3D GROUNDWATER FLOW INTERPRETATION
February 28, 2017



LEGEND

● DPE and Monitoring Well Location

(978) Groundwater Elevation (feet above mean sea level)

985 | 984.5 | 984 | 983.5 | 983 | 982.5 | 982 | 981.5 | 981 | 980.5 | 980

NOTES:

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

FIGURE 8

DPE WELL HYDROGRAPHS
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

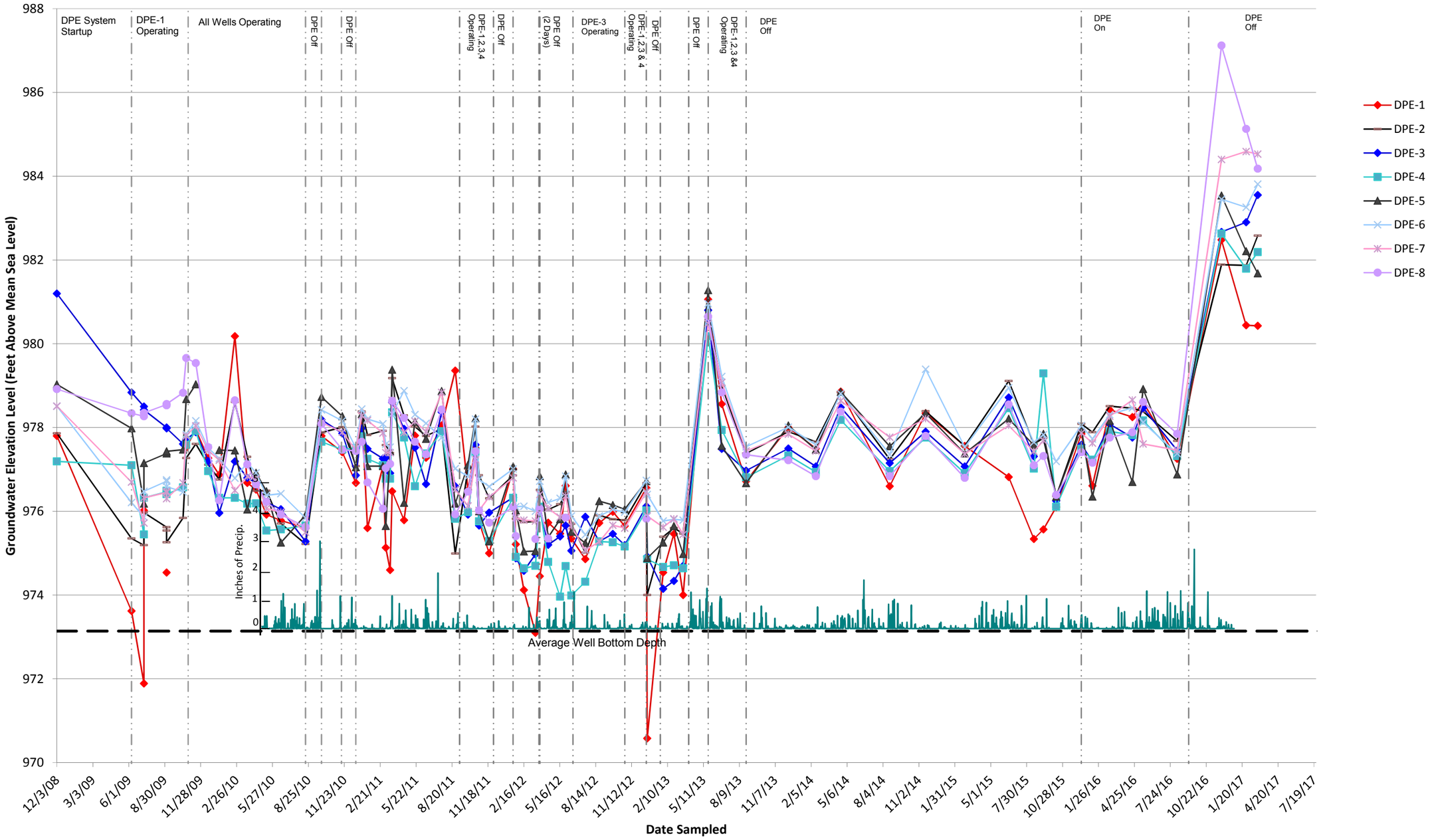
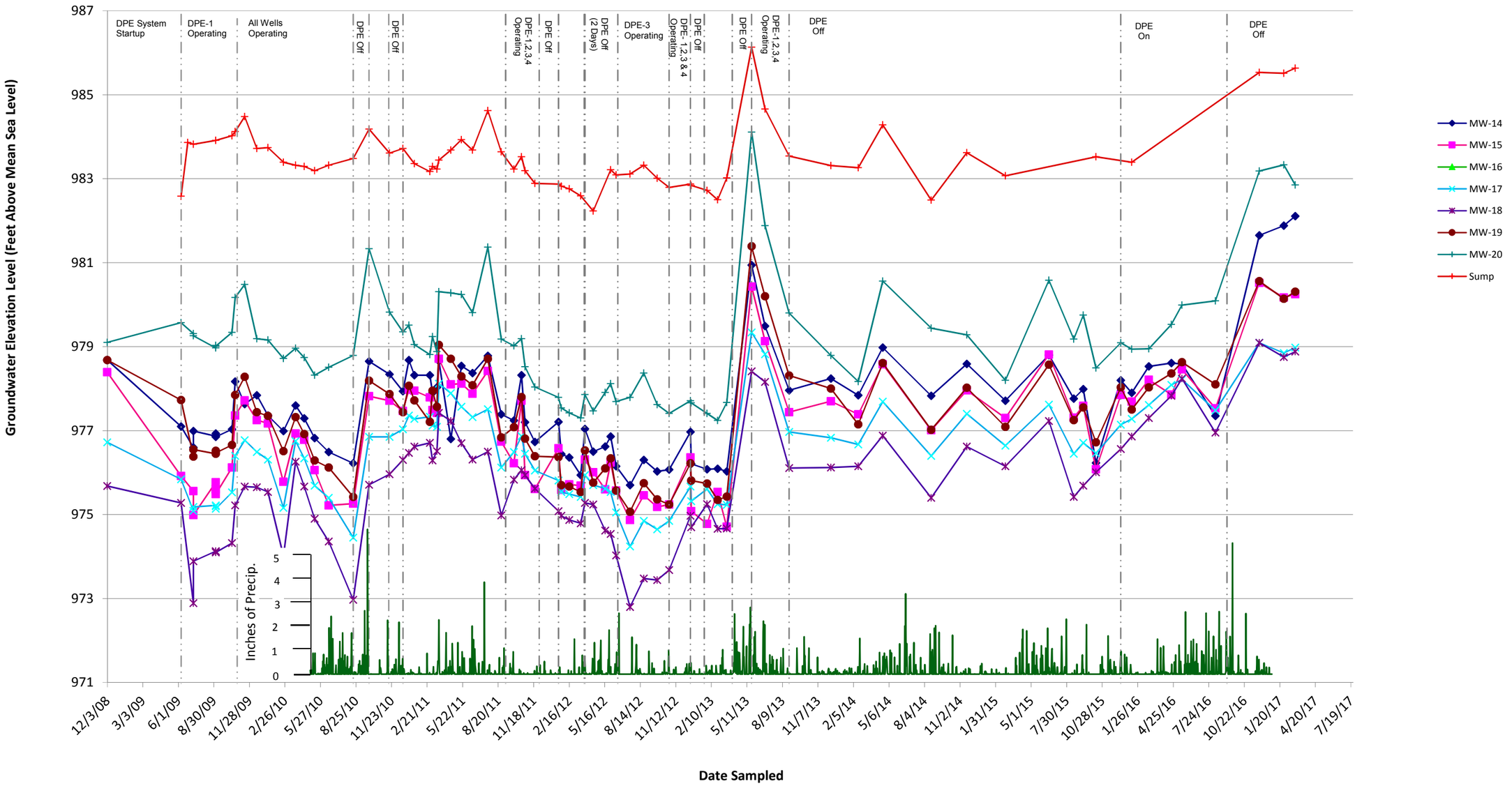
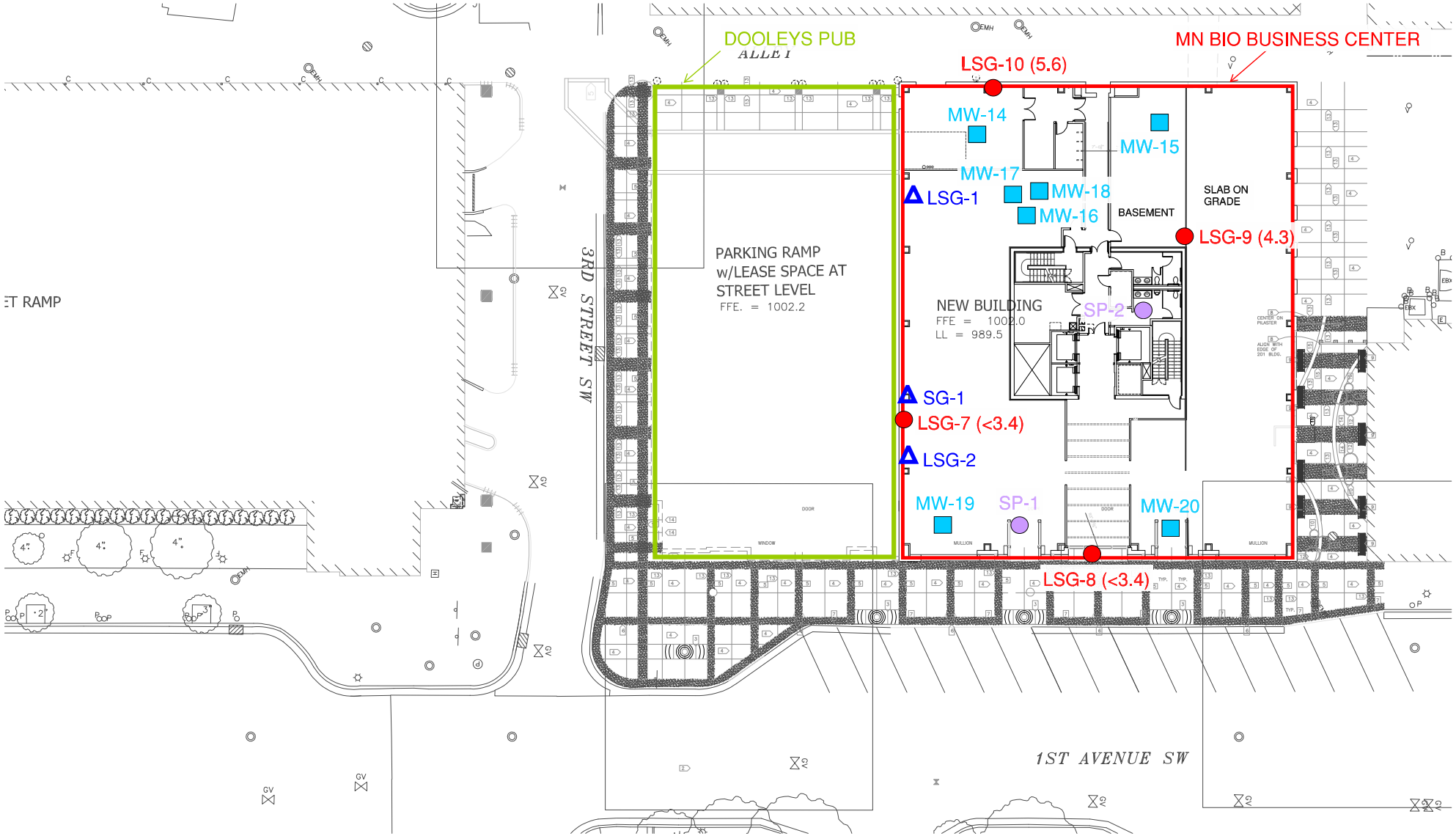


FIGURE 9

MONITORING WELL AND SUMP HYDROGRAPHS
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota





SP-1 Sump Pit Vapor Sampling Location (ug/m3)

LSG-7 Soil Vapor Sampling Locations (ug/m3)

MW-19 Monitoring Well of Interest

LSG-2 Previous Soil Vapor Sampling Location of Interest

Note: The Applicable Screening Criteria for PCE is the MPCA Interim 33X Industrial Intrusion Screening Value, which is 1,100 ug/m3

FIGURE 10 - February 28, 2017, Soil Vapor PCE Concentrations

Tables

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-14	12/3/2008	15.1	735	7.41	228	2.6	1.752
MW-14	10/1/2009	18.8	1825	7.84	181	3.6	NR
MW-14	11/16/2009	19.22	1747	6.74	47.5	3.48	NR
MW-14	2/23/2010	18.51	1693	7.54	186	2.8	NR
MW-14	5/12/2010	18.65	1539	7.5	379	5.2	NR
MW-14	8/18/2010	19.16	1088	8.24	285	5.51	NR
MW-14	11/18/2010	19.54	1137	6.95	-42	3.49	NR
MW-14	3/1/2011	18.9	996	6.2	4.3	1.34	NR
MW-14	5/19/2011	19.38	984	7.61	-19.1	2.57	NR
MW-14	8/28/2011	19.5	1711	5.59	148	3.21	NR
MW-14	11/21/2011	19.7	1123	6.92	-14.2	3.99	NR
MW-14	2/15/2012	19.3	1174	7.44	-44.9	4.58	NR
MW-14	5/17/2012	9.9	1062	7.07	-17	1.9	NR
MW-14	9/26/2012	19.4	1043	7.53	-23	6.36	NR
MW-14	12/19/2012	19.8	1119	7.42	-36	1.33	NR
MW-14	2/25/2013	19.4	1324	7.17	-11.6	4.4	NR
MW-14	5/23/2013	19.2	701	7.92	-61	4.4	NR
MW-14	8/26/2013	19.41	1266	7.54	58.2	1.59	NR
MW-14	12/10/2013	20	1507	6.99	-25	4.08	NR
MW-14	2/17/2014	19.51	1596	7.74	-20.8	1.88	NR
MW-14	4/20/2014	19.34	1411	7.78	-36.6	1.95	NR
MW-14	8/21/2014	19.9	1009	6.92	-1	4.56	NR
MW-14	11/19/2014	19.8	1129	7.57	-30	2.83	NR
MW-14	2/25/2015	19.25	1328	7.7	-54	1.6	NR
MW-14	6/15/2015	19.48	1118	7.84	-80.1	2.49	NR
MW-14	8/17/2015	19.62	1652	7.23	147.4	2.11	NR
MW-14	12/14/2015	19.76	987	7.77	218.9	4.47	NR
MW-14	1/11/2016	19.51	1313	7.34	3.9	3.94	NR
MW-14	5/17/2016	19.21	1522	7.44	111.9	3.09	NR
MW-14	8/10/2016	19.2	1847	7.4	103.1	5.39	NR
MW-14	11/29/2016	20.04	2869	7.54	-235.9	0.74	NR
MW-14	1/30/2017	19.59	3218	5.98	-71.1	0.23	NR
MW-14	2/28/2017	19.76	3245	6.49	-108.9	0.11	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-15	12/3/2008	13.4	735	8.18	87	3.8	279
MW-15	10/1/2009	18.4	920	8.08	167	5.22	NR
MW-15	11/16/2009	19.6	1155	7.35	200	4.53	NR
MW-15	2/22/2010	19.5	1506	7.82	916	4.27	NR
MW-15	5/12/2010	18.56	1708	7.37	84.9	6.97	NR
MW-15	8/18/2010	21.3	1593	10.6	166	6.04	NR
MW-15	11/18/2010	19.7	1446	6.14	25.8	4.86	NR
MW-15	3/1/2011	19.6	936	7.41	16.3	2.19	NR
MW-15	5/19/2011	15.4	1314	8.08	-42	2.91	NR
MW-15	8/28/2011	19.9	2051	6.65	121	5.15	NR
MW-15	11/21/2011	18.5	14	7.38	-37	97.3	NR
MW-15	2/15/2012	18.4	841	7.61	-53	4.21	NR
MW-15	5/17/2012	9.9	1223	7.49	-20	1.9	NR
MW-15	9/26/2012	19.2	1295	7.67	-30	6.3	NR
MW-15	12/19/2012	20.4	1130	7.49	-40	1.97	NR
MW-15	2/25/2013	20.7	1416	7.4	-23	1.46	NR
MW-15	5/23/2013	20.1	5007	7.53	-41	3.36	NR
MW-15	8/26/2013	20.31	3002	7.48	33.4	2.39	NR
MW-15	12/10/2013	20.31	1322	7.47	-51	4.63	NR
MW-15	2/17/2014	20.14	967	7.95	-32.3	2.26	NR
MW-15	4/20/2014	19.83	2281	7.74	-35.7	2.82	NR
MW-15	8/21/2014	20.2	2451	7.15	63.9	3.03	NR
MW-15	11/19/2014	20.5	1805	7.02	-33	2.04	NR
MW-15	2/25/2015	19.69	1560	7.72	-56	2	NR
MW-15	6/15/2015	20.17	2766	7.79	-45.5	3.7	NR
MW-15	8/18/2015	20.41	2465	7.5	241.3	3.5	NR
MW-15	12/14/2015	20.62	2249	7.39	235.4	3.27	NR
MW-15	1/11/2016	20.27	3590	7.46	101.8	3.65	NR
MW-15	5/17/2016	20.8	3226	7.05	149.9	3.69	NR
MW-15	8/10/2016	20.7	2404	7.51	100.5	6.02	NR
MW-15	11/29/2016	20.89	1975	8.09	-234.1	0.35	NR
MW-15	1/30/2017	20.16	2263	7.27	-146.3	0.27	NR
MW-15	2/28/2017	20.1	2925	6.94	-140.6	0.23	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-16	12/3/2008	14.5	735	8.21	-45	1.9	40
MW-16	10/1/2009	18.27	1182	7.46	214	9.68	NR
MW-16	11/16/2009	18.82	4048	6.91	170	3.67	NR
MW-16	2/22/2010	18.54	3238	7.31	115	4.17	NR
MW-16	5/12/2010	18.52	3240	7.46	209	6.29	NR
MW-16	8/18/2010	19.21	2695	10.3	49	6.26	NR
MW-16	11/18/2010	19.19	2935	7.61	-71	3.54	NR
MW-16	3/1/2011	18.93	1862	7.22	-23	1.94	NR
MW-16	5/19/2011	19.2	2476	7.76	-26	2.54	NR
MW-16	8/28/2011	19.4	3357	6.96	117	4.16	NR
MW-16	11/21/2011	19.7	2535	7.17	-26	3.35	NR
MW-16	2/15/2012	18.9	1492	7.68	-57	4.25	NR
MW-16	5/17/2012	9.9	1129	7.54	-24	1.9	NR
MW-16	9/26/2012	18.9	1126	7.4	-16	6.21	NR
MW-16	12/19/2012	19.6	2177	7.39	-10	3.61	NR
MW-16	2/25/2013	19.4	1338	7.48	-27	4.7	NR
MW-16	5/23/2013	19.1	2161	7.02	-19	1.92	NR
MW-16	8/26/2013	19.69	2058	7.29	-2.5	2.37	NR
MW-16	12/10/2013	19.88	2319	7.45	-50.7	6.12	NR
MW-16	2/17/2014	19.76	2391	7.71	-19.2	4.19	NR
MW-16	4/20/2014	19.24	9599	7.01	1.9	3.43	NR
MW-16	8/21/2014	19.89	3415	7.1	92.6	3.7	NR
MW-16	11/19/2014	20.3	3437	7.43	63	3.56	NR
MW-16	2/25/2015	19.5	2559	7.45	-41	2.57	NR
MW-16	6/15/2015	19.75	4532	7.62	-33.6	3.55	NR
MW-16	8/18/2015	19.94	3952	7.39	412.4	2.43	NR
MW-16	12/14/2015	19.89	4269	7.49	111.4	2.55	NR
MW-16	1/11/2016	19.7	2876	7.28	83.5	3.19	NR
MW-16	5/17/2016	19.58	3358	7.25	131.6	4.49	NR
MW-16	8/10/2016	19.5	2907	7.47	75.3	5.77	NR
MW-16	11/29/2016	20.51	6364	6.76	-124.5	0.59	NR
MW-16	1/30/2017	20.21	5381	6.14	-83.2	0.23	NR
MW-16	2/28/2017	20.21	5634	6.28	-83.7	0.11	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-17	12/3/2008	14.8	735	8.99	-99	2.6	1.3
MW-17	10/1/2009	17.8	1428	8.6	175	1.99	NR
MW-17	11/16/2009	17.62	1761	7.34	29	1.62	NR
MW-17	2/22/2010	18.25	16.08	7.66	-163	2.02	NR
MW-17	5/12/2010	18.05	1707	7.21	-82	1.96	NR
MW-17	8/18/2010	18.29	1759	10.4	15	3.51	NR
MW-17	11/18/2010	18.47	2102	7.43	-62	2.23	NR
MW-17	3/1/2011	18.5	1425	7.21	-76	1.21	NR
MW-17	5/19/2011	18.6	1371	7.87	-31	0.77	NR
MW-17	8/28/2011	19.1	2206	6.96	-116	4.1	NR
MW-17	11/21/2011	19.81	1927	7.26	-31	0.83	NR
MW-17	2/15/2012	19.04	1349	7.45	-45	0.42	NR
MW-17	5/17/2012	9.9	1000	7.54	-39	1.09	NR
MW-17	9/26/2012	18.2	753	7.03	2.1	3.02	NR
MW-17	12/19/2012	19.5	727	7.48	-40	0.43	NR
MW-17	2/25/2013	19.2	1361	7.32	-19.3	1.6	NR
MW-17	5/23/2013	19.2	1396	7.92	-58	1.62	NR
MW-17	8/26/2013	19.29	1594	7.32	-51.2	1.02	NR
MW-17	12/10/2013	20.15	1480	7.41	-48	2.77	NR
MW-17	2/17/2014	19.59	1311	7.79	-23.5	0.97	NR
MW-17	4/20/2014	19.46	1861	7.56	-26.3	1.54	NR
MW-17	8/21/2014	19.65	640	7.5	22.3	1.28	NR
MW-17	11/19/2014	19.9	1436	7.76	6.9	1.62	NR
MW-17	2/25/2015	19.44	1509	7.56	-84.1	0.57	NR
MW-17	6/15/2015	19.8	1123	9.5	-450	0.33	NR
MW-17	8/18/2015	19.73	1813	8.37	226.1	0.8	NR
MW-17	12/14/2015	19.68	1952	8.65	-78.3	0.81	NR
MW-17	1/11/2016	19.59	1817	7.67	-89.3	0.73	NR
MW-17	5/17/2016	19.44	1539	10.39	-195.6	0.47	NR
MW-17	8/10/2016	19.1	2521	7.7	13.4	1.93	NR
MW-17	11/29/2016	20.25	3133	7.82	-212.1	0.36	NR
MW-17	1/30/2017	19.92	2394	6.75	-108.7	0.29	NR
MW-17	2/28/2017	19.92	2376	6.68	-92.1	0.17	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-18	12/3/2008	14.9	735	8.06	-137	3.1	1.2
MW-18	10/1/2009	17.8	1497	7.75	176	1.47	NR
MW-18	11/16/2009	16.46	2588	6.6	54.7	1.09	NR
MW-18	2/22/2010	17.7	2061	7.41	-244	1.19	NR
MW-18	5/12/2010	18.11	1992	6.98	-122	2.21	NR
MW-18	8/18/2010	17.3	1876	10.3	-69	0.69	NR
MW-18	11/18/2010	17.34	1640	7.51	-66	2.7	NR
MW-18	3/1/2011	17.4	1845	6.94	-46	0.61	NR
MW-18	5/19/2011	17.5	1949	7.41	-8.5	0.91	NR
MW-18	8/28/2011	18.9	2149	6.71	2.7	1.1	NR
MW-18	11/21/2011	19.8	1840	7.31	-34	1.03	NR
MW-18	2/15/2012	18.76	1937	7.5	-86	0.71	NR
MW-18	5/17/2012	9.9	2361	6.68	-46	5.6	NR
MW-18	9/26/2012	19.3	1680	6.98	4.9	2.9	NR
MW-18	12/19/2012	19.5	1738	7.08	-18	0.6	NR
MW-18	2/25/2013	19.9	2076	7.11	-85	0.5	NR
MW-18	5/23/2013	19.6	2121	7.67	-16	1.06	NR
MW-18	8/26/2013	19.39	2441	7.03	-65.9	0.28	NR
MW-18	12/10/2013	18.59	2655	7.22	-36.5	1.52	NR
MW-18	2/17/2014	19.58	2669	7.41	-3.4	0.62	NR
MW-18	4/20/2014	19.36	2280	7.46	-21	0.3	NR
MW-18	8/21/2014	19.59	2341	7.47	-224	0.68	NR
MW-18	11/19/2014	19.8	2198	7.36	-190	0.4	NR
MW-18	2/25/2015	19.46	2507	7.19	-116.7	0.57	NR
MW-18	6/15/2015	19.57	2113	8.23	-450	0.75	NR
MW-18	8/18/2015	19.71	2105	7.92	-164.2	2.47	NR
MW-18	12/14/2015	19.78	1392	11.01	68.1	1.93	NR
MW-18	1/11/2016	19.64	2180	7.37	-83.8	2.08	NR
MW-18	5/17/2016	19.61	2114	10.47	-210.8	0.74	NR
MW-18	8/10/2016	19.8	2501	8.22	-120.4	1.5	NR
MW-18	11/29/2016	20.14	2391	7.29	-94.5	1.05	NR
MW-18	1/30/2017	19.97	1885	6.39	-10.8	0.09	NR
MW-18	2/28/2017	20.1	2151	7.27	-153.9	0.08	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-19	12/3/2008	13.7	735	7.20	219	2.2	0.13
MW-19	10/1/2009	15.6	3667	7.03	163	225	NR
MW-19	11/16/2009	15.96	3482	6.13	226	3.03	NR
MW-19	2/23/2010	15.81	4277	6.88	130	5.42	NR
MW-19	5/12/2010	6.4	8955	6.25	332.2	43.55	NR
MW-19	8/18/2010	17.28	3147	6.44	157	6.61	NR
MW-19	11/18/2010	16.99	4653	6.74	-25	3.71	NR
MW-19	3/1/2011	17.8	3992	6.77	30.8	2.81	NR
MW-19	5/19/2011	16.9	3750	7.05	14	2.61	NR
MW-19	8/28/2011	17.4	4618	6.59	47	4.7	NR
MW-19	11/21/2011	17.1	64	5.18	300	5.93	NR
MW-19	2/15/2012	17.33	3772	6.23	19.7	4.25	NR
MW-19	5/17/2012	9.9	4425	7.30	-3.4	7	NR
MW-19	9/26/2012	18.14	4655	6.71	17.3	8.16	NR
MW-19	12/19/2012	17	5054	6.71	-24	2.39	NR
MW-19	2/25/2013	17.9	6006	7.15	-10.3	2.12	NR
MW-19	5/23/2013	17.2	4673	6.63	-40	0.63	NR
MW-19	8/26/2013	17.54	5499	6.93	77.8	2.46	NR
MW-19	12/10/2013	17.89	5095	6.90	79.8	5.89	NR
MW-19	2/17/2014	17.38	6328	7.17	9.2	2.1	NR
MW-19	4/20/2014	17.63	5684	6.89	7.9	2.53	NR
MW-19	8/21/2014	17.6	6939	6.44	111.2	3.69	NR
MW-19	11/19/2014	17.9	6174	6.97	-4.5	2.95	NR
MW-19	2/25/2015	17.62	6298	6.87	74.5	2.41	NR
MW-19	6/15/2015	17.49	6233	6.94	-6.2	2.51	NR
MW-19	8/18/2015	17.42	7015	6.34	204.3	2.45	NR
MW-19	12/14/2015	17.99	7173	6.47	69.8	2.48	NR
MW-19	1/11/2016	17.87	6853	6.53	82.7	2.94	NR
MW-19	5/17/2016	17.32	6835	6.69	153.9	2.81	NR
MW-19	8/10/2016	17.4	6552	6.76	131.1	3.75	NR
MW-19	11/29/2016	18.01	6711	6.98	-100.7	0.54	NR
MW-19	1/30/2017	18.04	6131	6.83	-64.3	0.16	NR
MW-19	2/28/2017	17.94	6482	6.72	-31.1	0.32	NR

TABLE 1

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-20	12/3/2008	13.1	753	7.47	139	1.8	3.279
MW-20	10/1/2009	17.5	4008	7.31	317	6.19	NR
MW-20	11/16/2009	17.31	3760	6.8	288	3.85	NR
MW-20	2/23/2010	16.82	4720	7.23	322	5.22	NR
MW-20	5/12/2010	17.96	2410	7.16	276	7.83	NR
MW-20	8/18/2010	18.3	4559	10.1	182	8	NR
MW-20	11/18/2010	18.39	4497	7.44	-62	3.88	NR
MW-20	3/1/2011	16.6	3505	6.42	9.6	2.43	NR
MW-20	5/19/2011	18.5	3788	7.27	7.2	2.17	NR
MW-20	8/28/2011	18.7	5102	7.12	82	6.24	NR
MW-20	11/21/2011	18.45	5491	5.19	253	1.89	NR
MW-20	2/15/2012	17.95	5192	6.99	-22	4.42	NR
MW-20	5/17/2012	9.9	726	7.02	-21	1.06	NR
MW-20	9/26/2012	18.4	4277	6.99	3.6	3.9	NR
MW-20	12/19/2012	18.4	4868	6.78	-3	0.33	NR
MW-20	2/25/2013	18.9	5812	7.04	-4.8	1.3	NR
MW-20	5/23/2013	19.35	6325	6.96	-12	2.83	NR
MW-20	8/26/2013	19.13	7554	6.88	63.6	4.04	NR
MW-20	12/10/2013	19.35	6735	7.93	-32	4.93	NR
MW-20	2/17/2014	18.72	6617	7.14	10.9	0.6	NR
MW-20	4/20/2014	19.24	9599	7.01	1.9	3.43	NR
MW-20	8/21/2014	19.5	93.61	6.68	252	4.26	NR
MW-20	11/19/2014	19.6	8514	7.15	-10	4.3	NR
MW-20	2/25/2015	18.98	6510	6.96	108.1	0.76	NR
MW-20	6/15/2015	19.76	9394	7.11	-13.6	5.6	NR
MW-20	8/18/2015	20.02	1006	7.08	111.6	3.58	NR
MW-20	12/14/2015	19.38	1006	6.93	137.3	3.65	NR
MW-20	1/11/2016	19.23	9861	7.24	143.2	4.12	NR
MW-20	5/17/2016	19	1033	8.16	-22.7	6.35	NR
MW-20	8/10/2016	19.2	8308	6.94	112.1	4.63	NR
MW-20	11/29/2016	19.16	8604	7.61	-194.8	0.42	NR
MW-20	1/30/2017	18.92	8546	7.02	-96.5	0.09	NR
MW-20	2/28/2017	18.88	8668	6.82	-78.5	0.18	NR

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-1	12/3/2008	14.5	735	8.02	-4.9	0.9	10.5
DPE-1	9/28/2009	18.1	2584	7.64	170	4.8	NR
DPE-1	11/16/2009	18.18	2595	7.52	173	4.98	NR
DPE-1	2/22/2010	17.9	1152	6.23	255.6	8.16	NR
DPE-1	5/13/2010	18.4	2428	6.41	248	8.05	NR
DPE-1	8/18/2010	19.3	2242	10.4	286	5.54	NR
DPE-1	12/23/2010	18.61	1982	5.96	-4.7	12.57	10.1
DPE-1	3/1/2011	18.2	990	7.6	14.2	4.02	6.4
DPE-1	5/19/2011	18.9	1677	8.42	-59	4.17	NR
DPE-1	8/28/2011	18.1	2162	7.01	3	4	NR
DPE-1	11/21/2011	18.4	16.21	7.69	-53	5.89	NR
DPE-1	2/16/2012	18.14	1381	7.08	-26	5.04	NR
DPE-1	5/17/2012	9.9	1023	7.83	-57	1.09	NR
DPE-1	9/26/2012	19.1	1170	8.5	-74	5.7	NR
DPE-1	12/19/2012	18.9	1205	7.95	-64	4.24	NR
DPE-1	2/26/2013	17.1	1321	7.09	-6	5.1	NR
DPE-1	5/23/2013	19.2	4945	7.69	-49	3.63	NR
DPE-1	8/26/2013	19.97	1858	7.49	168	4.11	NR
DPE-1	12/10/2013	19.19	1176	7.9	-75.8	6.3	NR
DPE-1	2/17/2014	18.88	1910	8.3	-49.9	3.39	NR
DPE-1	4/20/2014	18.86	4150	7.89	-43.1	3.62	NR
DPE-1	8/21/2014	19.23	6093	7.69	138.2	4.41	NR
DPE-1	11/19/2014	19.02	4194	8.15	133	4.37	NR
DPE-1	2/25/2015	17.3	3570	7.83	-61	2.2	NR
DPE-1	6/15/2015	20.28	4422	7.91	-51.1	3.05	NR
DPE-1	8/17/2015	19.78	5025	7.83	162.8	3.05	NR
DPE-1	12/14/2015	19.56	4053	7.53	218.1	1.44	NR
DPE-1	1/11/2016	18.52	2309	7.54	292.7	3.56	NR
DPE-1	5/17/2016	18.63	2257	7.29	158.3	6.55	NR
DPE-1	8/10/2016	19.89	2471	6.95	136.2	7.65	NR
DPE-1	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-1	9/22/2016	20.11	3409	6.36	-480.5	0.11	NR
DPE-1	9/29/2016	20.17	4651	6.01	-455.2	0.06	NR
DPE-1	10/5/2016	20.01	5199	5.87	-13.5	0.06	NR
DPE-1	10/13/2016	20.14	5696	5.79	-3.9	0.06	NR
DPE-1	10/20/2016	20.51	5929	6.11	-49.5	0.07	NR
DPE-1	11/18/2016	20.61	7856	6.91	-217.3	0.67	NR
DPE-1	11/29/2016	20.61	7578	6.67	-152.3	0.69	NR
DPE-1	12/21/2016	20.71	6349	5.72	-102.4	0.08	NR
DPE-1	1/4/2017	20.49	5984	5.72	-71.1	0.15	NR
DPE-1	1/17/2017	20.29	6137	5.68	-66.3	0.13	NR
DPE-1	1/30/2017	20.29	6586	5.73	-52.1	0.1	NR
DPE-1	2/28/2017	20.12	7149	5.62	-35.3	0.11	NR

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-2	12/3/2008	14.4	735	7.83	109	1.9	**2000**
DPE-2	9/28/2009	18.2	2440	8	81	7.82	NR
DPE-2	11/17/2009	18.15	4523	6.86	114	5.43	NR
DPE-2	2/22/2010	17.5	2751	7.75	283	4.57	NR
DPE-2	5/13/2010	18.1	2900	7.25	268	5.59	NR
DPE-2	8/18/2010	18.7	4401	10.4	258	5.07	NR
DPE-2	12/23/2010	17.6	962	7.09	-42	11.6	2.8
DPE-2	3/1/2011	18.6	1986	7.21	118	3.16	15.1
DPE-2	5/19/2011	18.4	1972	8	-38	2.75	NR
DPE-2	8/28/2011	18.2	3408	7.04	-62	3.6	NR
DPE-2	11/21/2011	18.5	2767	7.56	-46	2.02	NR
DPE-2	2/16/2012	18.6	1931	7.56	-51	2.37	NR
DPE-2	5/17/2012	18.9	2156	7.74	-61	4.37	NR
DPE-2	9/26/2012	19.2	943	7.9	-42	3.8	NR
DPE-2	12/19/2012	18.7	2440	7.7	-51	5.03	NR
DPE-2	2/26/2013	16.4	1062	7.10	-62	4.2	NR
DPE-2	5/23/2013	18.8	5181	7.52	-40	4.87	NR
DPE-2	8/26/2013	20.24	2245	7.49	134	4.41	NR
DPE-2	12/10/2013	19.66	5387	7.56	-57.2	6.2	NR
DPE-2	2/17/2014	19.09	4705	8.13	-41.4	3.66	NR
DPE-2	4/20/2014	19.03	6497	7.72	-34.4	4.09	NR
DPE-2	8/21/2014	19.48	7389	7.76	138.2	4.13	NR
DPE-2	11/19/2014	19.17	6329	8.1	-56	3.79	NR
DPE-2	2/25/2015	18.92	4769	7.53	-39	3.98	NR
DPE-2	6/15/2015	19.7	5018	8.06	-52.9	3	NR
DPE-2	8/17/2015	19.83	6552	8.1	180.2	3.85	NR
DPE-2	12/14/2015	19.8	5137	7.7	78.8	3.65	NR
DPE-2	1/11/2016	18.22	3076	7.63	279.1	3.88	NR
DPE-2	5/17/2016	19.82	3689	7.22	141.3	4.61	NR
DPE-2	8/10/2016	19.48	3106	7.24	127.3	6.14	NR
DPE-2	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-2	9/22/2016	19.85	2080	5.98	-546.1	0.12	NR
DPE-2	9/29/2016	20.13	4531	5.89	-452.9	0.08	NR
DPE-2	10/5/2016	20.02	4688	5.81	-391.8	0.06	NR
DPE-2	10/13/2016	20.29	4897	5.99	-69.5	0.05	NR
DPE-2	10/20/2016	20.34	4016	6.01	-179.2	0.05	NR
DPE-2	11/18/2016	20.39	6209	7.05	-225.5	0.59	NR
DPE-2	11/29/2016	20.44	6081	7.29	-253.8	0.85	NR
DPE-2	12/21/2016	20.39	6798	5.86	-128.3	0.12	NR
DPE-2	1/4/2017	20.29	6861	5.73	-87.2	0.09	NR
DPE-2	1/17/2017	20.29	6528	5.94	-69.3	0.07	NR
DPE-2	1/30/2017	20.11	5968	6.06	-69.6	0.14	NR
DPE-2	2/28/2017	20.07	5611	6.28	-71.9	0.09	NR

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-3	12/3/2008	13.4	735	7.96	127	2.5	1684
DPE-3	9/28/2009	17.3	7799	7.95	158	7.05	NR
DPE-3	11/17/2009	17.43	4442	7.1	208	3.32	NR
DPE-3	2/22/2010	15.4	4707	7.9	310	7.59	NR
DPE-3	5/13/2010	17.1	4484	7.62	270	7.36	NR
DPE-3	8/18/2010	18.4	4992	10.5	277	6.31	NR
DPE-3	12/23/2010	16.2	5922	7.15	17	16.23	28.2
DPE-3	3/1/2011	18.8	6621	7.19	-0.6	2.01	23.5
DPE-3	5/19/2011	17.2	4847	8.12	-44	5.76	NR
DPE-3	8/28/2011	NR	5894	7.61	-41	5.3	NR
DPE-3	11/21/2011	17.6	3012	7.54	-45	2.7	NR
DPE-3	2/16/2012	17.92	4634	7.07	-25	4.85	NR
DPE-3	5/17/2012	9.9	4383	7.45	-40	1.09	NR
DPE-3	9/26/2012	17	2777	8.3	-63	7.1	NR
DPE-3	12/19/2012	18.2	4487	7.14	-21	2.07	NR
DPE-3	2/26/2013	18.3	1114	7.11	-51	3.9	NR
DPE-3	5/23/2013	18.4	7742	7.02	-47	3.12	NR
DPE-3	8/26/2013	19.39	5878	6.98	156	3.47	NR
DPE-3	12/10/2013	NR*	NR*	NR*	NR*	NR*	NR
DPE-3	2/17/2014	18.58	6875	7.35	0	1.11	NR
DPE-3	4/20/2014	19.23	7780	7.07	-1.2	2.26	NR
DPE-3	8/21/2014	19.47	7917	7.14	103.7	2.97	NR
DPE-3	11/19/2014	19.07	7193	7.48	-20	2.54	NR
DPE-3	2/25/2015	17.16	6630	7.27	-32	1.59	NR
DPE-3	6/15/2015	19.87	6953	7.43	-28.7	2.2	NR
DPE-3	8/17/2015	19.98	7990	7.29	119.2	1.52	NR
DPE-3	12/14/2015	19.31	8178	7.36	153.3	3.67	NR
DPE-3	1/11/2016	18.07	7280	7.53	286.7	4.54	NR
DPE-3	5/17/2016	18.85	7065	6.97	165.1	5.51	NR
DPE-3	8/10/2016	19.25	7253	7.32	119.3	8.41	NR
DPE-3	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-3	9/22/2016	19.99	2449	7.33	-479.8	0.05	NR
DPE-3	9/29/2016	20.14	3954	5.83	-473.2	0.10	NR
DPE-3	10/5/2016	20.06	4249	5.85	-290.1	0.12	NR
DPE-3	10/13/2016	20.21	4457	5.78	-95.7	0.06	NR
DPE-3	10/20/2016	20.27	4629	5.76	-127.1	0.06	NR
DPE-3	11/18/2016	20.07	10007	7.22	-245.6	0.56	NR
DPE-3	11/29/2016	20.09	10159	7.07	-212.7	0.65	NR
DPE-3	12/21/2016	20.14	9947	5.66	-114.3	0.07	NR
DPE-3	1/4/2017	20.08	9197	5.81	-73.5	0.13	NR
DPE-3	1/17/2017	20.12	9006	5.81	-68.5	0.08	NR
DPE-3	1/30/2017	19.95	9072	5.79	-49.9	0.16	NR
DPE-3	2/28/2017	19.97	9573	5.78	-49.1	0.19	NR

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-4	12/3/2008	13.5	735	7.84	114	1.9	**2000**
DPE-4	9/28/2009	17.14	3230	8.25	87.4	8.22	NR
DPE-4	11/17/2009	17.49	4057	7.16	285	5.2	NR
DPE-4	2/22/2010	17.4	2899	7.11	198	7.64	NR
DPE-4	5/13/2010	17.6	3362	7.88	242	8.61	NR
DPE-4	8/18/2010	18.3	3296	10.6	252	6.9	NR
DPE-4	12/23/2010	17.1	3227	7.46	3.9	NR	23.1
DPE-4	3/1/2011	18.8	874	7.18	144	1.9	11.5
DPE-4	5/19/2011	18.8	2168	8.21	-49	4.37	NR
DPE-4	8/28/2011	18.6	3318	7.63	-48	5.4	NR
DPE-4	11/21/2011	17.8	2265	7.38	-42	2.09	NR
DPE-4	2/16/2012	18.2	2692	7.5	-47	4.18	NR
DPE-4	5/17/2012	19.2	2579	7.45	-18	6.33	NR
DPE-4	9/26/2012	18.5	1891	8.1	-56	5.9	NR
DPE-4	12/19/2012	19.6	3637	6.62	-158	2.76	NR
DPE-4	2/26/2013	18.4	951	7.62	-46	4.4	NR
DPE-4	5/23/2013	19	4272	6.34	-73	1.78	NR
DPE-4	8/26/2013	20.05	3719	7.01	135	3.12	NR
DPE-4	12/10/2013	19.93	4120	6.75	-11.5	3.86	NR
DPE-4	2/17/2014	19.79	4102	6.98	19.2	1.76	NR
DPE-4	4/20/2014	19.32	4794	6.52	26.8	1.21	NR
DPE-4	8/21/2014	19.77	5364	7.05	11.3	3.11	NR
DPE-4	11/19/2014	19.4	4684	7.35	-81	2.88	NR
DPE-4	2/25/2015	20.1	4562	6.89	-93	1.45	NR
DPE-4	6/15/2015	19.93	4474	7.06	-11.9	2.27	NR
DPE-4	8/17/2015	20.21	5609	7.23	65	1.74	NR
DPE-4	12/14/2015	19.88	5983	6.69	-64.3	2.14	NR
DPE-4	1/11/2016	18.61	3878	7.65	268.1	5.28	NR
DPE-4	5/17/2016	19.43	3915	6.65	200.1	6.21	NR
DPE-4	8/10/2016	19.87	4180	7.54	110.1	6.22	NR
DPE-4	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-4	9/22/2016	19.93	1996	7.75	-251.5	0.06	NR
DPE-4	9/29/2016	20.37	4581	5.86	-483.5	0.07	NR
DPE-4	10/5/2016	20.36	5237	5.89	-383.5	0.09	NR
DPE-4	10/13/2016	20.39	6138	5.88	-255.7	0.06	NR
DPE-4	10/20/2016	20.22	6212	5.81	-12.4	0.06	NR
DPE-4	11/18/2016	20.33	9821	6.83	-170.1	0.77	NR
DPE-4	11/29/2016	20.15	9137	6.52	-146.4	0.56	NR
DPE-4	12/21/2016	20.52	7981	5.76	-84.5	0.19	NR
DPE-4	1/4/2017	20.32	7547	5.72	-58.8	0.25	NR
DPE-4	1/17/2017	20.44	7613	5.73	-56.9	0.09	NR
DPE-4	1/30/2017	20.35	7589	5.76	-56.7	0.19	NR
DPE-4	2/28/2017	20.31	8004	5.76	-47.8	0.22	NR

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Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-5	12/3/2008	14.3	735	9.26	13	0.5	1.3
DPE-5	9/28/2009	17.06	2264	7.94	181	0.2	NR
DPE-5	11/17/2009	18.02	2921	7.58	204	4.15	NR
DPE-5	2/22/2010	16.7	3271	7.48	231	6.3	NR
DPE-5	5/13/2010	17.1	3115	7.92	274	7.54	NR
DPE-5	8/18/2010	18.3	2997	10.5	241	3.65	NR
DPE-5	12/23/2010	17.4	2216	7.12	-13	10.3	17.7
DPE-5	3/1/2011	18.5	776	7.21	22	2.87	0
DPE-5	5/19/2011	18.6	1008	8.15	-36	2.91	NR
DPE-5	8/28/2011	18.6	3219	6.69	-44	5.9	NR
DPE-5	11/21/2011	18.5	2939	7.76	-56	4.77	NR
DPE-5	2/16/2012	18.19	2280	7.95	-72	5.11	NR
DPE-5	5/17/2012	9.9	1767	7.85	-15	1.09	NR
DPE-5	9/26/2012	18.3	1972	8.5	-73	7.2	NR
DPE-5	12/19/2012	18.9	1886	9.28	-134	0.91	NR
DPE-5	2/26/2013	19.2	1801	7.21	-44	4.6	NR
DPE-5	5/23/2013	18.85	1528	7.91	-60	1.57	NR
DPE-5	8/26/2013	19.99	2163	7.07	174	2.93	NR
DPE-5	12/10/2013	19.56	1468	8.14	-89	2.79	NR
DPE-5	2/17/2014	19.12	1508	8.26	-49.2	0.92	NR
DPE-5	4/20/2014	19.05	2290	7.92	-45.2	1.44	NR
DPE-5	8/21/2014	19.34	3428	8.37	85.9	2.21	NR
DPE-5	11/19/2014	18.5	3111	8.64	-82	0.98	NR
DPE-5	2/25/2015	19.5	2818	9.8	85.6	2.48	NR
DPE-5	6/15/2015	19.89	3738	7.08	-105.8	2.3	NR
DPE-5	8/17/2015	19.92	4832	8.53	62.5	1.57	NR
DPE-5	12/14/2015	19.87	4175	8.01	162.4	2.7	NR
DPE-5	1/11/2016	17.95	3497	7.88	179.5	5.81	NR
DPE-5	5/17/2016	18.61	3308	7.12	163.1	6.17	NR
DPE-5	8/10/2016	19.13	3380	7.53	138.1	8.13	NR
DPE-5	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-5	9/22/2016	19.76	1985	7.54	-165.7	0.07	NR
DPE-5	9/29/2016	19.88	3587	5.88	-503.1	0.07	NR
DPE-5	10/5/2016	20.09	4059	5.94	-235.7	0.12	NR
DPE-5	10/13/2016	20.22	4192	5.82	-91.5	0.07	NR
DPE-5	10/20/2016	20.28	4607	5.78	-151.5	0.09	NR
DPE-5	11/18/2016	20.42	4956	7.87	-341.3	0.77	NR
DPE-5	11/29/2016	20.02	6571	6.57	-132.9	0.57	NR
DPE-5	12/21/2016	20.25	6447	5.79	-122.7	0.08	NR
DPE-5	1/4/2017	20.17	6387	5.79	-74.5	0.11	NR
DPE-5	1/17/2017	20.08	6871	5.72	-58.7	0.08	NR
DPE-5	1/30/2017	20.07	6842	5.79	-47.6	0.09	NR
DPE-5	2/28/2017	20.01	7354	5.79	-43.4	0.13	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-6	12/3/2008	14.6	735	8.12	67.1	1.9	1.2
DPE-6	9/28/2009	18.6	1086	8.39	98.6	9.8	NR
DPE-6	11/17/2009	18.7	1400	7.81	249	6.3	NR
DPE-6	2/22/2010	17.9	1248	7.81	213	5.42	NR
DPE-6	5/13/2010	18.4	1022	8.18	272	5.86	NR
DPE-6	8/18/2010	19.1	559	11.1	251	6.67	NR
DPE-6	11/18/2010	18.39	4497	7.44	-62	3.88	NR
DPE-6	12/23/2010	17.2	3341	7.11	-12	10.9	17.7
DPE-6	3/1/2011	17.9	1048	7.09	-16	2.04	6.2
DPE-6	5/19/2011	18.4	1162	8.22	-44	2.61	NR
DPE-6	8/28/2011	18.7	1800	6.82	-3	4.6	NR
DPE-6	11/21/2011	19.3	648	8.15	-76	3.49	NR
DPE-6	2/16/2012	19.07	590	7.9	-69	3.59	NR
DPE-6	5/17/2012	14.9	611	7.93	-23	6.43	NR
DPE-6	9/26/2012	19.6	461	8	50	4.3	NR
DPE-6	12/19/2012	19.6	695	7.49	-40	3.3	NR
DPE-6	2/26/2013	17.6	1726	6.91	-40	5.1	NR
DPE-6	5/23/2013	19.12	1414	7.86	-58	3.96	NR
DPE-6	8/26/2013	20.34	1006	6.97	167	2.73	NR
DPE-6	12/10/2013	19.6	622	7.89	-75	3.17	NR
DPE-6	2/17/2014	19.62	472	7.24	-4.9	2.5	NR
DPE-6	4/20/2014	19.66	706	6.95	4.7	3.28	NR
DPE-6	8/21/2014	19.51	879	7.84	130.1	3.65	NR
DPE-6	11/19/2014	19.6	929	8.02	95	3.11	NR
DPE-6	2/25/2015	18.6	1088	7.6	13.3	3.1	NR
DPE-6	6/15/2015	19.99	882	7.98	-54.2	3.55	NR
DPE-6	8/17/2015	19.68	1132	7.84	412.4	3.14	NR
DPE-6	12/14/2015	19.65	1380	7.5	274.3	3.6	NR
DPE-6	1/11/2016	18.39	1486	7.58	193	3.53	NR
DPE-6	5/17/2016	19.27	1563	7.14	162.5	4.95	NR
DPE-6	8/10/2016	19.77	1720	7.42	118.3	5.47	NR
DPE-6	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-6	9/22/2016	19.91	3080	7.36	-35.6	0.06	NR
DPE-6	9/29/2016	19.91	5051	5.89	-488.3	0.07	NR
DPE-6	10/5/2016	20.11	5505	5.91	-217.3	0.09	NR
DPE-6	10/13/2016	20.44	4041	5.93	-150.2	0.08	NR
DPE-6	10/20/2016	20.51	4202	6.09	-157.5	0.08	NR
DPE-6	11/18/2016	20.68	5799	7.19	-249.4	0.76	NR
DPE-6	11/29/2016	20.55	5649	7.49	-233.4	1.04	NR
DPE-6	12/21/2016	20.52	6137	6.14	-116.1	0.16	NR
DPE-6	1/4/2017	20.31	6001	6.21	-80.8	0.08	NR
DPE-6	1/17/2017	20.18	6044	6.27	-88.8	0.07	NR
DPE-6	1/30/2017	20.04	6024	6.31	-82	0.09	NR
DPE-6	2/28/2017	19.89	6371	6.41	-79.9	0.08	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-7	12/3/2008	15.2	735	7.95	92.8	0.4	2.5
DPE-7	9/28/2009	17.15	2216	7.01	196	2.14	NR
DPE-7	11/17/2009	19.01	2095	7.97	193	5.01	NR
DPE-7	2/22/2010	18.1	1354	7.84	209	5.31	NR
DPE-7	5/13/2010	18.5	1240	7.93	272	5.19	NR
DPE-7	8/18/2010	19.7	1012	11.1	276	4.13	NR
DPE-7	11/18/2010	19.19	2535	7.61	-71	3.54	NR
DPE-7	12/23/2010	17.3	5901	7.19	-18	9.6	10.7
DPE-7	3/1/2011	18.5	996	7.01	-8	1.96	0
DPE-7	5/19/2011	18.2	2472	8.09	-43	2.97	NR
DPE-7	8/28/2011	16.9	1602	7.72	-51	9.4	NR
DPE-7	11/21/2011	19.7	727	7.92	-64	3.48	NR
DPE-7	2/16/2012	19.3	1478	7.5	-48	2.5	NR
DPE-7	5/17/2012	19.3	1366	7.68	-22	4.76	NR
DPE-7	9/26/2012	19.9	747	7.8	40	4.3	NR
DPE-7	12/19/2012	20	1045	6.88	-8.6	3.04	NR
DPE-7	2/26/2013	18.4	1500	7.08	-49	3.2	NR
DPE-7	5/23/2013	19.6	2289	7.28	-28	2.98	NR
DPE-7	8/26/2013	19.6	2289	7.28	-28	2.98	NR
DPE-7	12/10/2013	19.7	972	7.9	-76	4.4	NR
DPE-7	2/17/2014	19.11	885	7.95	-31.9	3.45	NR
DPE-7	4/20/2014	19.36	11.33	7.65	-31.3	3.61	NR
DPE-7	8/21/2014	20.33	1655	7.77	95.3	3.51	NR
DPE-7	11/19/2014	19.2	1524	8.26	93	3.61	NR
DPE-7	2/25/2015	18.7	1442	6.31	103	3.36	NR
DPE-7	6/15/2015	19.91	1273	8.1	-58.4	2.65	NR
DPE-7	8/17/2015	19.94	2319	7.98	442.1	2.56	NR
DPE-7	12/14/2015	19.73	2297	7.41	182.7	3.01	NR
DPE-7	1/11/2016	20.17	1845	7.22	191.1	4.51	NR
DPE-7	5/17/2016	19.73	2311	7.02	157.9	5.08	NR
DPE-7	8/10/2016	20.11	2283	7.22	113.7	6.58	NR
DPE-7	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-7	9/22/2016	20.37	5885	7.18	-74.6	0.10	NR
DPE-7	9/29/2016	20.61	6137	5.91	-340.1	0.11	NR
DPE-7	10/5/2016	20.78	6202	5.88	-305.5	0.17	NR
DPE-7	10/13/2016	20.68	6006	6.06	-210.5	0.13	NR
DPE-7	10/20/2016	20.75	5267	5.82	-118.3	0.13	NR
DPE-7	11/18/2016	20.74	7229	6.92	-157.3	0.73	NR
DPE-7	11/29/2016	20.45	7145	6.57	-137.6	0.49	NR
DPE-7	12/21/2016	20.55	7321	5.87	-118.5	0.22	NR
DPE-7	1/4/2017	20.27	7029	6.33	-91.8	0.12	NR
DPE-7	1/17/2017	20.03	6963	6.46	-92.8	0.09	NR
DPE-7	1/30/2017	20.04	6812	6.33	-93.7	0.1	NR
DPE-7	2/28/2017	19.91	6987	6.17	-64.3	0.16	NR

TABLE 1

GROUNDWATER FIELD DATA
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-8	12/3/2008	13.6	753	7.52	165	1.4	1056
DPE-8	9/28/2009	17.31	2826	7.93	460	6.61	NR
DPE-8	11/17/2009	1678	3604	7.2	226	5.19	NR
DPE-8	2/22/2010	16.2	2661	7.82	227	7.15	NR
DPE-8	5/13/2010	17.8	2236	8.03	267	9.06	NR
DPE-8	8/18/2010	17.6	3115	11	262	6.68	NR
DPE-8	11/18/2010	NR	NR	NR	NR	NR	NR
DPE-8	12/23/2010	17.3	4162	NR	NR	NR	11.4
DPE-8	3/1/2011	18.4	872	6.92	21	1.87	0.8
DPE-8	5/19/2011	18.4	3649	7.21	1.7	2.22	NR
DPE-8	8/28/2011	18.7	5345	7.14	-20	4.09	NR
DPE-8	11/21/2011	18.55	5100	7.2	-28	3.38	NR
DPE-8	2/16/2012	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	5/17/2012	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	9/26/2012	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	12/19/2012	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	2/26/2013	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	2/25/2013	19.9	6720	7.35	-32	4.3	NR
DPE-8	8/26/2013	19.98	7601	6.65	186	2.82	NR
DPE-8	12/10/2013	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	2/17/2014	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	4/20/2014	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	8/21/2014	19.37	8741	7.17	165.2	3.48	NR
DPE-8	11/19/2014	NR*	NR*	NR*	NR*	NR*	NR
DPE-8	2/25/2015	20.7	6803	8.45	128	2.3	NR
DPE-8	6/15/2015	19.8	8359	7.41	-27.7	4.05	NR
DPE-8	8/17/2015	20.4	9924	7.38	125.5	2.65	NR
DPE-8	12/14/2015	19.86	9141	7.28	160.3	3.08	NR
DPE-8	1/11/2016	18.17	7311	7.35	239.3	5.57	NR
DPE-8	5/17/2016	17.69	7236	6.88	174.5	6.5	NR
DPE-8	8/10/2016	19.29	6878	7.41	96.8	8.55	NR
DPE-8	9/12/2016	NR	NR	NR	NR	NR	NR
DPE-8	9/22/2016	19.89	5086	6.97	-199.1	0.05	NR
DPE-8	9/29/2016	19.96	8146	5.88	-384.2	0.09	NR
DPE-8	10/5/2016	20.17	6232	6.13	-247.3	0.11	NR
DPE-8	10/13/2016	20.26	7611	6.05	-217.1	0.06	NR
DPE-8	10/20/2016	20.28	7131	6.06	-78.3	0.05	NR
DPE-8	11/18/2016	19.63	8095	7.19	-174.5	0.62	NR
DPE-8	11/29/2016	20.01	7808	7.69	-256.6	0.84	NR
DPE-8	12/21/2016	19.89	8935	6.39	-115.9	0.21	NR
DPE-8	1/4/2017	19.86	8751	6.48	-89.3	0.25	NR
DPE-8	1/17/2017	19.84	8722	6.42	-88.7	0.08	NR
DPE-8	1/30/2017	19.64	8848	6.45	-82.3	0.23	NR
DPE-8	2/28/2017	19.59	9686	6.47	-69.7	0.11	NR

Notes:
Bold - number has exceeded the range of the instrument
NR - Not Recorded
NR* - Not Recorded, well was dry

TABLE 2

NATURAL ATTENUATION ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Sample ID	DPE-1	DPE-1	DPE-2	DPE-2	DPE-3	DPE-3	DPE-4	DPE-4
Collected Date	09/28/2009 12:52	12/10/2008 13:50	09/28/2009 14:22	12/10/2008 11:45	09/28/200 9 15:25	12/10/2008 10:57	09/28/2009 10:13	12/10/2008 11:20
Calcium, Dissolved	NA*	**149,000**	NA*	**181,000**	NA*	**556,000**	NA*	**258,000**
Dissolved Organic Carbon	<2000	**4,800**	**2,000**	**2,800**	**3,700**	**6,900**	<2000	2700
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	NA*	**33,400**	NA*	**47,600**	NA*	**103,000**	NA*	**73,400**
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**5,900**	**6,400**	**4,900**	**7,800**	**7,100**	**9,800**	**11,000**	**26,800**
Sulfate	**157,000**	**250,000**	**174,000**	**182,000**	**296,000**	**436,000**	**168,000**	**235,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

Sample ID	DPE-5	DPE-5	DPE-6	DPE-6	DPE-7	DPE-7	DPE-8	DPE-8
Collected Date	12/10/2008 16:45	09/24/2009 04:00	12/10/2008 14:29	09/24/2009 04:30	12/10/200 8 13:15	09/24/2009 05:00	12/10/2008 09:30	09/24/2009 05:30
Calcium, Dissolved	**75,400**	NA*	**70,800**	NA*	**123,000**	NA*	**189,000**	NA*
Dissolved Organic Carbon	4700	<2000	2500	<2000	**3,300**	<2000	**4,000**	**3,000**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	**86,200**	NA*	**17,700**	NA*	**23,400**	NA*	**36,800**	NA*
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**5,500**	**5,500**	**3,000**	**1,500**	**7,900**	**1,900**	**9,800**	**4,300**
Sulfate	**468,000**	**281,000**	**159,000**	**67,600**	**275,000**	**85,600**	**262,000**	**149,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

Notes:
Bold: Parameter detected above laboratory reporting limit
NA*: Not Analyzed

TABLE 2

NATURAL ATTENUATION ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Sample ID	MW14	MW-14	MW15	MW15	MW16	MW-16	MW17	MW-17
Collected Date	10/01/2009 04:00	12/03/2008 16:20	10/01/2009 04:20	12/10/2008 12:15	10/01/2009 04:25	12/03/2008 12:35	10/01/2009 05:20	12/03/2008 13:10
Calcium, Dissolved	NA*	**114,000**	NA*	**67,700**	NA*	**194,000**	NA*	**76,300**
Dissolved Organic Carbon	**69,200**	**2,400**	**15,700**	<2000	**49,100**	**3,500**	**9,100**	**7,500**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	**50.1**
Magnesium, Dissolved	NA*	**30,400**	NA*	**18,700**	NA*	**70,200**	NA*	**29,100**
Methane	10.1	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**1,600**	**3,700**	**580**	**2,200**	**16,200**	NA*	**3,900**	NA*
Sulfate	**146,000**	**131,000**	**99,900**	**87,500**	**258,000**	**253,000**	**159,000**	**199,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

Sample ID	MW18	MW-18	MW-19	MW-19	MW20	MW20
Collected Date	10/01/2009 05:46	12/03/2008 14:26	09/24/2009 11:40	12/03/2008 16:59	10/01/2009 06:00	12/10/2008 10:30
Calcium, Dissolved	NA*	**99,000**	NA*	**245,000**	NA*	**260,000**
Dissolved Organic Carbon	**5,400**	**8,500**	<2000	**3,100**	**20,300**	**2,700**
Iron, Dissolved	**88.3**	**4,190**	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	NA*	**52,600**	NA*	**71,100**	NA*	**65,900**
Methane	<10.0	<10.0	**10.7**	<10.0	**274**	**17.0**
Nitrate as N	<400	NA*	**16,800**	NA*	**8900**	**10,900**
Sulfate	**110,000**	**115,000**	**156,000**	**187,000**	**139,000**	**203,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000

Notes:
Bold: Parameter detected above laboratory reporting limit
NA*: Not Analyzed

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	12/10/13	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/16/09	9/28/09	12/10/08	8/7/2008
1,1,1,2-Tetrachloroethane	70	<500	<10.0	<4.0	<40.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,1-Trichloroethane	9000	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	**6.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2,2-Tetrachloroethane	2	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichloroethane	3	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichlorotrifluoroethane	200000	<500	**25.1**	**10.9**	**58.9**	<200	**71.4**	<50.0	**231**	**96.8**	**248**	**145**	**85.1**	**16.0**	**28.1**	**9.6**	**35.8**	**145**	**7.9**	**3.9**	**1.1**	**1.1**	<1.0	**3.2**	**9.5**	**13.3**	**3.2**	**37.8**	**66.4**	**148**	**190**	**215**	**912**	NA*	**11,300**
1,1-Dichloroethane	70	<500	<10.0	<4.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1-Dichloroethene	6	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
1,1-Dichloropropene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichlorobenzene	NL	<2000	<10.0	<1.0	<10.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichloropropane	40	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trichlorobenzene	NL	<500	<10.0	<1.0	<10.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trimethylbenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dibromo-3-chloropropane	NL	<5000	<40.0	<10.0	<100	<200	<50.0	<200	<200	<500	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
1,2-Dibromoethane (EDB)	.004	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichlorobenzene	600	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloroethane	4	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloropropane	5	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3,5-Trimethylbenzene	100	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichlorobenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichloropropane	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,4-Dichlorobenzene	10	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
2,2-Dichloropropane	NL	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
2-Butanone (MEK)	4000	<2500	**804**	<5.0	<50.0	<800	<200	<250	<250	<250	<250	<125	<50.0	<5.0	<50.0	<10.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
2-Chlorotoluene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Chlorotoluene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Methyl-2-pentanone (MIBK)	300	<2500	<50.0	<5.0	<50.0	<800	<200	<250	<250	<250	<250	<125	<50.0	<5.0	<50.0	<10.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Acetone	700	<10000	**426**	<20.0	<200	<800	<200	<1000	<1000	<2500	<1000	<500	<200	<20.0	<200	<40.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Allyl chloride	30	<2000	<40.0	<4.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Benzene	2	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromobenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromochloromethane	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromodichloromethane	6	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromoform	40	<2000	<40.0	<10.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<40.0	<40.0	<8.0	<200	<200	<400	NA*	<2000
Bromomethane	10	<2000	<40.0	<4.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Carbon tetrachloride	3	<500	<10.0	<4.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
Chlorobenzene	100	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroethane	300	<500	<10.0	<4.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<40.0	<1.0	<10.0	<2.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroform	30	<500	<10.0	<1.0	<10.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	**1.1**	**3.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	**2.6**	<25.0	<25.0	<50.0	NA*	<250
Chloromethane	NL	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	**10.6**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<250
Dibromochloromethane	10	<2000	<10.0	<4.0	<10.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dibromomethane	NL	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorodifluoromethane	1000	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorofluoromethane	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Diethyl ether (Ethyl ether)	1000	<2000	<40.0	<4.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Ethylbenzene	700	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Hexachloro-1,3-butadiene	1	<2000	<10.0	<4.0	<40.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Isopropylbenzene (Cumene)	300	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Methyl-tert-butyl ether	70	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Methylene Chloride	5	<2000	<40.0	<4.0	<40.0	<40.0	<10.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Naphthalene	300	<2000	<40.0	<4.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Styrene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Tetrachloroethene (PCE)	5	**1480**	**261**	**207**	**889**	**2970**	**1270**	**5490**	**6700**	**4660**	**4690**	**4180**	**5620**	**1550**	**2400**	**1270**	**265**	**9840**	**171**	**505**	**82.2**	**38.8**	**26.4**	**99.2**	**309**	**185**	**101**	**1190**	**965**	**1,700**	**2,610**	**3,330**	**6,820**	**161,000**	**157,000**
Tetrahydrofuran	100	<5000	<100	<10.0	<100	<200	<50.0	<500	<500	<500	<500	<250	<100	<10.0	<100	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Toluene	1000	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Trichloroethene (TCE)	0.4 (5)[1]	**605**	**16.5**	<0.40	<4.0	<40.0	<10.0	<20.0	<20.0	<20.0	<20.0	<10.0	**5.4**	**2.9**	<4.0	**3.1**	**0.84**	**25.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	**2.3**	<25.0	<25.0	<50.0	<2000	**563**
Trichlorofluoromethane	2000	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Vinyl chloride	0.2	**289**	**68.1**	<0.40	<4.0	<40.0	<10.0	<20.0	<20.0	<20.0	<20.0	<10.0	<4.0	<1.0	<4.0	<0.80	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<2.0	<0.40	<10.0	<10.0	<20.0	<800	<100
Xylene (Total)	10000	<1500	<30.0	<3.0	<30.0	<120	<30.0	<150	<150	<150	<150	<75.0	<30.0	<3.0	<30.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<15.0	<3.0	<75.0	<75.0	<150	NA*	<750
cis-1,2-Dichloroethene	50	**46100**	**16.6**	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	**5.8**	<10.0	**8.8**	**1.8**	**89.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.9**	**1.3**	<1.0	**11.5**	<5.0	**8.7**	<25.0	<25.0	<50.0	<2000	**3,250**
cis-1,3-Dichloropropene	NL	<2000	<40.0	<4.0	<40.0	<200	<50.0	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
n-Butylbenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
n-Propylbenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
p-Isopropyltoluene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
sec-Butylbenzene	NL	<500	<10.0	<1.0	<10.0	<200	<50.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
tert-Butylbenzene	NL	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
trans-1,2-Dichloroethene	100	<500	<10.0	<1.0	<10.0	<40.0	<10.0	<50.0	<50.0	<50.0	<50.0	<25.0	<10.0	<1.0	<10.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
trans-1,3-Dichloropropene	NL	<2000	<40.0	<4.0	<40.0	<800	<200	<200	<200	<200	<200	<100	<40.0	<4.0	<40.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<2.0	<50.0	<50.0	<100	NA*	<500
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled
[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	3/3/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/2009	9/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<5.0	<10.0	<80.0	<40.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,1-Trichloroethane	9000	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	1.6	<20.0	<2.0	<1.0	**4.1**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	**2.9**	<20.0	<100	<250	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichloroethane	3	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichlorotrifluoroethane	200000	**7.3**	**37.9**	**128**	**104**	<200	**72.1**	**426**	**364**	**251**	**69.6**	**384**	**302**	**328**	**41.8**	**87.9**	**25.6**	**136**	**16.0**	**43.5**	**3.1**	**23.8**	**41.5**	**110**	**212**	**199**	<25.0	**356**	**997**	**673**	**305**	**1,270**	**1,620**	NA*
1,1-Dichloroethane	70	**8.2**	<10.0	<80.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1-Dichloroethene	6	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	1.4	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
1,1-Dichloropropene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichlorobenzene	NL	<20.0	<10.0	<20.0	<10.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichloropropane	40	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<10.0	<20.0	<10.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<10.0	<20.0	**16**	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dibromo-3-chloropropane	NL	<50.0	<40.0	<200	<100	<200	<50.0	<200	<200	<100	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichlorobenzene	600	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloroethane	4	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloropropane	5	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<25.0	<50.0	<50.0	**1.3**	<20.0	<100	<250	NA*
1,3,5-Trimethylbenzene	100	<5.0	<10.0	<20.0	**11.2**	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichlorobenzene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichloropropane	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,4-Dichlorobenzene	10	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
2,2-Dichloropropane	NL	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
2-Butanone (MEK)	4000	**55.6**	<50.0	<100	<50.0	<800	<200	<250	<250	<50.0	<50.0	<125	<500	<5.0	<100	<10.0	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
2-Chlorotoluene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Chlorotoluene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Methyl-2-pentanone (MIBK)	300	<25.0	<50.0	<100	<50.0	<800	<200	<250	<250	<50.0	<50.0	<125	<500	<5.0	<100	<10.0	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Acetone	700	<100	<200	<400	<200	<800	<200	<1000	<1000	<500	<200	<500	<2000	<20.0	<400	<40.0	<20.0	<20.0	<25.0	<25.0	<25.0	<50.0	<125	<250	<250	<25.0	<625	<500	<500	<10.0	<200	<1000	<2500	NA*
Allyl chloride	30	<20.0	<40.0	<80.0	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Benzene	2	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromobenzene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromochloromethane	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromodichloromethane	6	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromoform	40	<20.0	<40.0	<200	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<200	<400	<400	<8.0	<160	<800	<2000	NA*
Bromomethane	10	<20.0	<40.0	<80.0	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<250	<200	<200	<4.0	<80.0	<400	<1000	NA*
Carbon tetrachloride	3	<5.0	<10.0	<80.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
Chlorobenzene	100	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroethane	300	<5.0	<10.0	<80.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<400	<1.0	<20.0	<2.0	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroform	30	<5.0	<10.0	<20.0	<10.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	**3.8**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	**3.1**	<25.0	<50.0	<50.0	**3.7**	<20.0	<100	<250	NA*
Chloromethane	NL	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Dibromochloromethane	10	<20.0	<10.0	<80.0	<10.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dibromomethane	NL	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<20.0	<100	<250	NA*
Dichlorodifluoromethane	1000	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dichlorofluoromethane	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<40.0	<80.0	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Ethylbenzene	700	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Hexachloro-1,3-butadiene	1	<20.0	<10.0	<80.0	<40.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<25.0	<50.0	<50.0	<5.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Isopropylbenzene (Cumene)	300	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Methyl-tert-butyl ether	70	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Methylene Chloride	5	<20.0	<40.0	<80.0	<40.0	<40.0	<10.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Naphthalene	300	<20.0	<40.0	<80.0	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Styrene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Tetrachloroethene (PCE)	5	**220**	**522**	**1,260**	**1260**	**4230**	**1280**	**7,680**	**10300**	**5130**	**1100**	**6200**	**7330**	**6800**	**1840**	**1720**	**184**	**7100**	**140**	**746**	**39.0**	**206**	**511**	**890**	**2080**	**1680**	**2,990**	**4,690**	**12,100**	**5,800**	**2,710**	**10,600**	**32,000**	**38,200**
Tetrahydrofuran	100	<50.0	<100	<200	<100	<200	<50.0	<500	<500	<100	<100	<250	<1000	<10.0	<200	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<50.0	<100	<100	<10.0	<250	<500	<500	<10.0	<200	<1000	<2500	NA*
Toluene	1000	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**58.6**	**8.1**	<8.0	<4.0	<40.0	<10.0	<20.0	<20.0	<4.0	<4.0	<10.0	<40.0	**6.1**	<8.0	**1.5**	**0.45**	**12.7**	<1.0	**1.6**	<1.0	<2.0	<5.0	<10.0	<10.0	**2.2**	<25.0	<50.0	<50.0	**7.5**	<20.0	<100	<250	<500
Trichlorofluoromethane	2000	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Vinyl chloride	0.2	**800**	**57.3**	<8.0	<4.0	<40.0	<10.0	<20.0	<20.0	<4.0	<4.0	<10.0	<40.0	<1.0	<8.0	<0.80	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<2.0	<4.0	<4.0	<0.40	<10.0	<20.0	<20.0	<0.40	<8.0	<40.0	<100	<200
Xylene (Total)	10000	<15.0	<30.0	<60.0	<30.0	<120	<30.0	<30.0	<30.0	<30.0	<30.0	<75.0	<300	<3.0	<60.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<15.0	<30.0	<30.0	<3.0	<75.0	<150	<150	<3.0	<60.0	<300	<750	NA*
cis-1,2-Dichloroethene	50	**669**	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	**18.4**	**11.4**	<25.0	<100	**11.0**	<20.0	**2.5**	<1.0	**67.8**	<1.0	**1.8**	<1.0	<2.0	<5.0	<10.0	<10.0	**5.5**	<25.0	<50.0	<50.0	**25.8**	<20.0	<100	<250	<500
cis-1,3-Dichloropropene	NL	<20.0	<40.0	<80.0	<40.0	<200	<50.0	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
n-Butylbenzene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
n-Propylbenzene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
p-Isopropyltoluene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
sec-Butylbenzene	NL	<5.0	<10.0	<20.0	<10.0	<200	<50.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
tert-Butylbenzene	NL	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
trans-1,2-Dichloroethene	100	<5.0	<10.0	<20.0	<10.0	<40.0	<10.0	<50.0	<50.0	<10.0	<10.0	<25.0	<100	<1.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<40.0	<40.0	<4.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
trans-1,3-Dichloropropene	NL	<20.0	<40.0	<80.0	<40.0	<800	<200	<200	<200	<40.0	<40.0	<100	<400	<4.0	<80.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<20.0	<20.0	<2.0	<50.0	<100	<100	<2.0	<40.0	<200	<500	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled
[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<25.0	<20.0	<80.0	<80.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	**5.5**	<100	<50.0	<50.0	**4.9**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,1-Trichloroethane	9000	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	**33.7**	<100	<50.0	<50.0	**38.7**	<1.0	**4.2**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2,2-Tetrachloroethane	2	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichloroethane	3	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	**2.1**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichlorotrifluoroethane	200000	**531**	**530**	**99**	**64.9**	<1000	**105**	**2890**	**2560**	**2110**	**2800**	**3370**	**2040**	**3650**	**1330**	**664**	**686**	**6020**	**15.8**	**232**	**2.7**	**414**	**251**	**787**	**348**	**343**	**1030**	**78.8**	**2,260**	**49.5**	**67.1**	**1,920**	**843**	NA*
1,1-Dichloroethane	70	<25.0	<20.0	<80.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	**1.0**	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1-Dichloroethene	6	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	**13.5**	<100	<50.0	<50.0	**2.0**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	<500
1,1-Dichloropropene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichlorobenzene	NL	<100	<20.0	<20.0	<20.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichloropropane	40	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trichlorobenzene	NL	<25.0	<20.0	<20.0	<20.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trimethylbenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dibromo-3-chloropropane	NL	<250	<80.0	<200	<200	<1000	<50.0	<800	<800	<2000	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
1,2-Dibromoethane (EDB)	.004	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichlorobenzene	600	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloroethane	4	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloropropane	5	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	**11.3**	<400	<200	<200	**10.0**	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3,5-Trimethylbenzene	100	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichlorobenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichloropropane	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,4-Dichlorobenzene	10	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
2,2-Dichloropropane	NL	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<10.0	<800	<200	NA*
2-Butanone (MEK)	4000	**176**	<100	<100	<100	<4000	<200	<1000	<1000	<1000	<500	<250	<500	<5.0	<500	<250	<250	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
2-Chlorotoluene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	**2.3**	<100	<50.0	<50.0	**4.2**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
4-Chlorotoluene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
4-Methyl-2-pentanone (MIBK)	300	<125	<100	<100	<100	<4000	<200	<1000	<1000	<1000	<500	<250	<500	<5.0	<500	<250	<250	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Acetone	700	<500	<400	<400	<400	<4000	<200	<4000	<4000	<10000	<2000	<1000	<2000	<20.0	<2000	<1000	<1000	<40.0	**104**	<25.0	<25.0	<500	<250	<625	<625	<500	<250	<100	<200	<10.0	<100	<2000	<2000	NA*
Allyl chloride	30	<100	<80.0	<80.0	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Benzene	2	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromobenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromochloromethane	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromodichloromethane	6	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromoform	40	<100	<80.0	<200	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<80.0	<80.0	<160	<8.0	<80.0	<1600	<1600	NA*
Bromomethane	10	<100	<80.0	<80.0	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Carbon tetrachloride	3	<25.0	<20.0	<80.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<40.0	<40.0	<80.0	<4.0	<10.0	<800	<200	NA*
Chlorobenzene	100	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroethane	300	<25.0	<20.0	<80.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<400	<1.0	<100	<50.0	<50.0	<8.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroform	30	<25.0	<20.0	<20.0	<20.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	**15.7**	<100	<50.0	<50.0	**14.6**	<1.0	**2.6**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloromethane	NL	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	**272**	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Dibromochloromethane	10	<100	<20.0	<80.0	<20.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Dibromomethane	NL	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<10.0	<200	<200	NA*
Dichlorodifluoromethane	1000	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Dichlorofluoromethane	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Diethyl ether (Ethyl ether)	1000	<100	<80.0	<80.0	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Ethylbenzene	700	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Hexachloro-1,3-butadiene	1	<100	<20.0	<80.0	<80.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<10.0	<5.0	<5.0	<5.0	<100	<50.0	<125	<125	<100	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Isopropylbenzene (Cumene)	300	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Methyl-tert-butyl ether	70	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Methylene Chloride	5	<100	<80.0	<80.0	<80.0	<200	<10.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Naphthalene	300	<100	<80.0	<80.0	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Styrene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Tetrachloroethene (PCE)	5	**3,010**	**4690**	**2,590**	**2,510**	**19600**	**2960**	**37,300**	**30800**	**21200**	**30800**	**36300**	**21200**	**53800**	**20000**	**10200**	**6980**	**61800**	**264**	**5670**	**74.8**	**3690**	**1010**	**5310**	**4260**	**3220**	**12,700**	**1,450**	**20,400**	**2,240**	**806**	**34,600**	**20,300**	**152,000**
Tetrahydrofuran	100	<250	<200	<200	<200	<1000	<50.0	<2000	<2000	<2000	<1000	<500	<1000	<10.0	<1000	<500	<500	<20.0	<10.0	<10.0	<10.0	<200	<100	<250	<250	<200	<100	<100	<200	**10.9**	<100	<2000	<2000	NA*
Toluene	1000	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**66.1**	**38.4**	<8.0	<8.0	<200	<10.0	<80.0	<80.0	<80.0	<40.0	**40.7**	<40.0	**72.6**	<40.0	<20.0	<20.0	**68.2**	<1.0	**10.4**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	**12.3**	<10.0	**22.8**	<1.0	<10.0	<200	<200	<500
Trichlorofluoromethane	2000	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Vinyl chloride	0.2	**240**	**143**	<8.0	<8.0	<200	<10.0	<80.0	<80.0	<80.0	<40.0	<20.0	<40.0	<1.0	<40.0	<20.0	<20.0	<0.80	<0.40	<0.40	<0.40	<8.0	<4.0	<10.0	<10.0	<8.0	<4.0	<4.0	<8.0	<0.40	<4.0	<80.0	<80.0	<200
Xylene (Total)	10000	<75.0	<60.0	<60.0	<60.0	<600	<30.0	<600	<600	<600	<300	<150	<300	<3.0	<300	<150	<150	<6.0	<3.0	<3.0	<3.0	<60.0	<30.0	<75.0	<75.0	<60.0	<30.0	<30.0	<60.0	<3.0	<30.0	<600	<600	NA*
cis-1,2-Dichloroethene	50	**1170**	**37.5**	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	**50.2**	<100	**124**	<100	<50.0	<50.0	**90.2**	<1.0	**25.0**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	**19.6**	<10.0	**59.2**	**2.6**	<10.0	<200	<200	**1,090**
cis-1,3-Dichloropropene	NL	<100	<80.0	<80.0	<80.0	<1000	<50.0	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
n-Butylbenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
n-Propylbenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
p-Isopropyltoluene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
sec-Butylbenzene	NL	<25.0	<20.0	<20.0	<20.0	<1000	<50.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
tert-Butylbenzene	NL	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
trans-1,2-Dichloroethene	100	<25.0	<20.0	<20.0	<20.0	<200	<10.0	<200	<200	<200	<100	<50.0	<100	<1.0	<100	<50.0	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<100	<100	<80.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	<500
trans-1,3-Dichloropropene	NL	<100	<80.0	<80.0	<80.0	<4000	<200	<800	<800	<800	<400	<200	<400	<4.0	<400	<200	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<40.0	<20.0	<50.0	<50.0	<40.0	<20.0	<20.0	<40.0	<2.0	<20.0	<400	<400	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled
[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/04	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<25.0	<10.0	<20.0	<20.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,1-Trichloroethane	9000	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	**7.6**	<1.0	**1.1**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2,2-Tetrachloroethane	2	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichloroethane	3	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**221**	**102**	**21.8**	**29.1**	**484**	**47.9**	**663**	**739**	**1000**	**482**	**610**	**541**	**342**	**355**	**234**	**144**	**449**	**28.8**	**141**	**9.7**	**9.5**	**54.4**	**99.7**	**93.8**	**60.2**	**127**	**39.4**	**181**	**48.1**	**41.9**	**464**	**339**	NA*
1,1-Dichloroethane	70	<25.0	<10.0	<20.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1-Dichloroethene	6	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	<500
1,1-Dichloropropene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichlorobenzene	NL	<100	<10.0	<5.0	<5.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichloropropane	40	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trichlorobenzene	NL	<25.0	<10.0	<5.0	<5.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trimethylbenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dibromo-3-chloropropane	NL	<250	<40.0	<50.0	<50.0	<250	<25.0	<400	<200	<500	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
1,2-Dibromoethane (EDB)	.004	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichlorobenzene	600	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloroethane	4	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloropropane	5	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3,5-Trimethylbenzene	100	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichlorobenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichloropropane	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,4-Dichlorobenzene	10	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
2,2-Dichloropropane	NL	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<5.0	<200	<50.0	NA*
2-Butanone (MEK)	4000	**195**	<50.0	<25.0	<25.0	<1000	<100	<500	<250	<250	<250	<125	<250	<250	<250	<50.0	<50.0	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
2-Chlorotoluene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Chlorotoluene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<125	<50.0	<25.0	<25.0	<1000	<100	<500	<250	<250	<250	<125	<250	<250	<250	<50.0	<50.0	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Acetone	700	**733**	<200	<100	<100	<1000	<100	<2000	<1000	<2500	<1000	<500	<1000	<1000	<1000	<200	<200	<40.0	**40.9**	<25.0	<25.0	<50.0	<125	<125	<125	<50.0	<250	<100	<50.0	<10.0	<50.0	<500	<500	NA*
Allyl chloride	30	<100	<40.0	<20.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Benzene	2	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromobenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromochloromethane	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromodichloromethane	6	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromoform	40	<100	<40.0	<50.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<80.0	<80.0	<40.0	<8.0	<40.0	<400	<400	NA*
Bromomethane	10	<100	<40.0	<20.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<100	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Carbon tetrachloride	3	<25.0	<10.0	<20.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<40.0	<40.0	<20.0	<4.0	<5.0	<200	<50.0	NA*
Chlorobenzene	100	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroethane	300	<25.0	<10.0	<20.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<200	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroform	30	<25.0	<10.0	<5.0	<5.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	**7.1**	<1.0	**1.3**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloromethane	NL	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	**451**	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Dibromochloromethane	10	<100	<10.0	<20.0	<5.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dibromomethane	NL	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<5.0	<50.0	<50.0	NA*
Dichlorodifluoromethane	1000	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dichlorofluoromethane	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Diethyl ether (Ethyl ether)	1000	<100	<40.0	<20.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Ethylbenzene	700	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Hexachloro-1,3-butadiene	1	<100	<10.0	<20.0	<20.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0	<10.0	<25.0	<25.0	<25.0	<10.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Isopropylbenzene (Cumene)	300	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Methyl-tert-butyl ether	70	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Methylene Chloride	5	<100	<40.0	<20.0	<20.0	<50.0	<5.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Naphthalene	300	<100	<40.0	<20.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Styrene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Tetrachloroethene (PCE)	5	**2,450**	**670**	**400**	**724**	**6170**	**1040**	**6,900**	**14900**	**11800**	**5090**	**11100**	**9670**	**8320**	**8860**	**6850**	**982**	**13700**	**219**	**1410**	**187**	**223**	**830**	**763**	**771**	**367**	**1,160**	**1,100**	**2,600**	**357**	**429**	**5,040**	**7,340**	**35,600**
Tetrahydrofuran	100	<250	<100	<50.0	<50.0	<250	<25.0	<1000	<500	<500	<500	<250	<500	<500	<500	<100	<100	<20.0	<10.0	<10.0	<10.0	<20.0	<50.0	<50.0	<50.0	<20.0	<100	<100	<50.0	<10.0	<50.0	<500	<500	NA*
Toluene	1000	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**283**	**41.5**	<2.0	<2.0	<50.0	<5.0	<40.0	<20.0	<20.0	<20.0	**11.7**	<20.0	<50.0	<20.0	**5.4**	<4.0	**19.5**	<1.0	**2.2**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	**7.1**	<1.0	<5.0	<50.0	<50.0	<500
Trichlorofluoromethane	2000	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Vinyl chloride	0.2	**197**	**121**	<2.0	<2.0	<50.0	<5.0	<40.0	<20.0	<20.0	<20.0	<10.0	<20.0	<50.0	<20.0	<4.0	<4.0	<0.80	<0.40	<0.40	<0.40	<0.80	<2.0	<2.0	<2.0	<0.80	<4.0	<4.0	<2.0	<0.40	<2.0	<20.0	<20.0	<200
Xylene (Total)	10000	<75.0	<30.0	<15.0	<15.0	<150	<15.0	<300	<150	<150	<150	<75.0	<150	<150	<150	<30.0	<30.0	<6.0	<3.0	<3.0	<3.0	<6.0	<15.0	<15.0	<15.0	<6.0	<30.0	<30.0	<15.0	<3.0	<15.0	<150	<150	NA*
cis-1,2-Dichloroethene	50	**497**	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	**24.4**	<1.0	**5.1**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	**20.7**	**1.1**	<5.0	<50.0	<50.0	<500
cis-1,3-Dichloropropene	NL	<100	<40.0	<20.0	<20.0	<250	<25.0	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
n-Butylbenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
n-Propylbenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
p-Isopropyltoluene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
sec-Butylbenzene	NL	<25.0	<10.0	<5.0	<5.0	<250	<25.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
tert-Butylbenzene	NL	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
trans-1,2-Dichloroethene	100	<25.0	<10.0	<5.0	<5.0	<50.0	<5.0	<100	<50.0	<50.0	<50.0	<25.0	<50.0	<50.0	<50.0	<10.0	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<20.0	<20.0	<8.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	<500
trans-1,3-Dichloropropene	NL	<100	<40.0	<20.0	<20.0	<1000	<100	<400	<200	<200	<200	<100	<200	<200	<200	<40.0	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<10.0	<10.0	<4.0	<20.0	<20.0	<10.0	<2.0	<10.0	<100	<100	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled
[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<5.0	<20.0	<4.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,1-Trichloroethane	9000	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	**21.9**	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichloroethane	3	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	2.2	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<5.0	<20.0	**2.4**	**13.2**	<10.0	**19.7**	**63.3**	**597**	**50.6**	**20.1**	**34.3**	**19.4**	**30.2**	**9.9**	**37.4**	**7.0**	**48.0**	<1.0	**13.4**	**1.2**	<1.0	**2.2**	**3.0**	<1.0	**5.2**	**13.9**	<1.0	**11.5**	**16.9**	**19.4**	**498**	**37.9**	NA*
1,1-Dichloroethane	70	<5.0	<20.0	<4.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1-Dichloroethene	6	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	**5.5**	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
1,1-Dichloropropene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<20.0	<20.0	<1.0	<2.0	<10.0	<5.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichloropropane	40	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<20.0	<1.0	<2.0	<10.0	<5.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<50.0	<80.0	<10.0	<8.0	<10.0	<5.0	<8.0	<8.0	<20.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichlorobenzene	600	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloroethane	4	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloropropane	5	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	**8.9**	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichloropropane	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,4-Dichlorobenzene	10	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
2,2-Dichloropropane	NL	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
2-Butanone (MEK)	4000	**597**	**210**	<5.0	<10.0	<40.0	<20.0	<10.0	<10.0	<10.0	<100	<125	<10.0	<5.0	<10.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
2-Chlorotoluene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Chlorotoluene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<25.0	<100	<5.0	<10.0	<40.0	<20.0	<10.0	<10.0	<10.0	<100	<125	<10.0	<5.0	<10.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Acetone	700	<100	<400	<20.0	**111**	<40.0	<20.0	<40.0	<40.0	<100	<400	<500	<40.0	<20.0	<40.0	<20.0	<20.0	<20.0	**107**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Allyl chloride	30	<20.0	<80.0	<4.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Benzene	2	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromobenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromochloromethane	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromodichloromethane	6	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromoform	40	<20.0	<80.0	<10.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<40.0	<80.0	<80.0	NA*
Bromomethane	10	<20.0	<80.0	<4.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Carbon tetrachloride	3	<5.0	<20.0	<4.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<8.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
Chlorobenzene	100	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroethane	300	<5.0	<20.0	<4.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<8.0	<1.0	<2.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroform	30	<5.0	<20.0	<1.0	<8.0	<10.0	<5.0	<2.0	**11.8**	<2.0	<20.0	<25.0	**2.9**	<1.0	<2.0	**2.5**	<1.0	**1.7**	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloromethane	NL	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	<8.0	<8.0	<80.0	<100	**16.4**	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Dibromochloromethane	10	<20.0	<20.0	<4.0	<2.0	<10.0	<5.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dibromomethane	NL	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<10.0	<10.0	NA*
Dichlorodifluoromethane	1000	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dichlorofluoromethane	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<80.0	<4.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Ethylbenzene	700	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Hexachloro-1,3-butadiene	1	<20.0	<20.0	<4.0	<2.0	<10.0	<5.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Isopropylbenzene (Cumene)	300	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Methyl-tert-butyl ether	70	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Methylene Chloride	5	<20.0	<80.0	<4.0	<8.0	<2.0	<1.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.2**	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Naphthalene	300	<20.0	<80.0	<4.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Styrene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Tetrachloroethene (PCE)	5	**12.4**	**124**	**85**	**152**	**148**	**209**	**263**	**17900**	**288**	**174**	**2280**	**1670**	**135**	**209**	**740**	**29.5**	**405**	**30.9**	**74.1**	**16.4**	**11.1**	**69.5**	**51.2**	<1.0	**67.2**	**339**	**21.6**	**124**	**205**	**486**	**1,450**	**875**	**1,340**
Tetrahydrofuran	100	<50.0	<200	<10.0	<20.0	<10.0	<5.0	<20.0	<20.0	<20.0	<200	<250	<20.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Toluene	1000	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	<2.0	<8.0	<0.40	<0.80	<2.0	<1.0	<0.80	**67.8**	<0.80	<8.0	**10.4**	**7.2**	<1.0	<0.80	**1.8**	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
Trichlorofluoromethane	2000	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Vinyl chloride	0.2	**12.6**	<4.0	<0.40	<0.80	<2.0	<1.0	<0.80	<0.80	<0.80	<8.0	<10.0	<0.80	<1.0	<0.80	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<4.0	<4.0	<4.0
Xylene (Total)	10000	<15.0	<60.0	<3.0	<6.0	<6.0	<3.0	<6.0	<3.0	<6.0	<60.0	<75.0	<6.0	<3.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<30.0	<30.0	NA*
cis-1,2-Dichloroethene	50	**21.2**	<20.0	<1.0	<2.0	<2.0	**1.9**	**3.1**	**276**	**3.2**	<20.0	**91.3**	**55.4**	<1.0	<2.0	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	**1.3**	**1.8**	<5.0	<10.0	<10.0	<10.0
cis-1,3-Dichloropropene	NL	<20.0	<80.0	<4.0	<8.0	<10.0	<5.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
n-Butylbenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
n-Propylbenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
p-Isopropyltoluene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
sec-Butylbenzene	NL	<5.0	<20.0	<1.0	<2.0	<10.0	<5.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
tert-Butylbenzene	NL	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
trans-1,2-Dichloroethene	100	<5.0	<20.0	<1.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0	<20.0	<25.0	<2.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	NL	<20.0	<80.0	<4.0	<8.0	<40.0	<20.0	<8.0	<8.0	<8.0	<80.0	<100	<8.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<20.0	<20.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	4/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	**1.6**	**1.8**	<1.0	**1.8**	**1.1**	<1.0	<1.0	**2.4**	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	**3.5**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	NA*
2-Butanone (MEK)	4000	**800**	**112**	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	**862**	**62.5**	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<5.0	<5.0	<1.0	**1.1**	<1.0	**1.1**	**1.1**	**1.1**	<1.0	<1.0	<1.0	**1.3**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**	**1.1**	**1.2**	**1.0**	**1.1**	**1.6**	**1.6**	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**7.3**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**2.6**	**1.3**	**2.4**	**51.2**	**5.8**	**17**	**67.8**	**65.9**	**138**	**5.2**	**24.6**	**25.0**	**17.4**	**12.9**	**107**	**4.0**	**6.2**	**19.8**	**10.9**	**4.6**	<1.0	**44.8**	**1.9**	**7.7**	**23.4**	**3.9**	**77.1**	**21.7**	**14.6**	**57.8**	**104**	**79.3**	**188**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**0.92**	<0.40	<0.40	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	**1.9**	**0.32**	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<2.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	MA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from5 ug/L to 0.4 ug/L in 2015

BOLD Detected above lab RL
BOLD Detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	**1.4**	**1.5**	**1.3**	**1.9**	**4.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.8**	**1.8**	<1.0	**2.2**	**11.9**	**4.0**	**2.7**	**9.8**	**1.6**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	NA*
2-Butanone (MEK)	4000	**200**	**303**	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	**37.6**	**21.2**	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<5.0	<5.0	<1.0	<1.0	<1.0	**1.1**	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**2.3**	**2.3**	<1.0	**1.3**	**1.3**	**1.2**	**1.1**	**1.3**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	**8.1**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	**1.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.6**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**8.0**	**10.0**	**5.3**	**37.9**	**3.4**	**29.1**	**146**	**127**	**233**	**14.0**	**48.5**	**44.2**	**6.9**	**5.8**	**2.0**	<1.0	**1.6**	**8.0**	**3.7**	<1.0	<1.0	**27.8**	<1.0	**26.9**	**15.9**	**7.1**	**23.2**	**189**	**25.7**	**7.3**	**55.2**	**5.2**	**22.3**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**4.4**	**1.3**	<0.40	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<1.0	<0.40	<1.0	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	**15.4**	**3.6**	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**22.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from5 ug/L to 0.4 ug/L in 2015

BOLD Detected above lab RL
BOLD Detected above MDH HRL

TABLE 3

DPE WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	12/22/10	8/18/10	5/13/10	2/22/10	11/17/09	9/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<20.0	<40.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	**1.5**	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	**45.8**	**87.9**	**39.6**	<20.0	**174**	**151**	**123**	**14.9**	**75.7**	**141**	**235**	**267**	**104**	**36.4**	**237**	NS	NS	NS	NS	NS	**62.0**	**32.4**	**77.9**	**48.7**	**33.5**	**5.9**	**2.2**	**3.8**	**34.2**	**43.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
1,1-Dichloropropene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<50.0	<100	<25.0	<20.0	<100	<100	<10.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
2-Butanone (MEK)	4000	**192**	**162**	<25.0	<50.0	<100	<80.0	<125	<125	<5.0	<10.0	<5.0	<5.0	<5.0	<100	<125	<10.0	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	**24.1**	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<25.0	<50.0	<100	<80.0	<125	<125	<5.0	<10.0	<5.0	<5.0	<5.0	<100	<125	<10.0	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Acetone	700	**224**	**124**	<100	<200	<100	<80.0	<500	<500	<50.0	<40.0	<20.0	<20.0	<20.0	<400	<500	<40.0	<100	NS	NS	NS	NS	NS	<125	<50.0	<125	<50.0	<10.0	<10.0	<10.0	**12.9**	<100	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromoform	40	<4.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<16.0	<8.0	<8.0	<8.0	<8.0	<80.0	<16.0	NA*
Bromomethane	10	<10.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<20.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<8.0	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroethane	300	<4.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<4.0	<1.0	<20.0	<100	<2.0	<20.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroform	30	<1.0	<1.0	<5.0	<10.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloromethane	NL	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	**15.4**	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<20.0	<10.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dibromomethane	NL	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<1.0	<10.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<5.0	<40.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<25.0	NS	NS	NS	NS	NS	<25.0	<10.0	<25.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<20.0	<40.0	<5.0	<4.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Naphthalene	300	<4.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Styrene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Tetrachloroethene (PCE)	5	**8.8**	**6.4**	**429**	**808**	**503**	**288**	**2700**	**2350**	**2980**	**221**	**1230**	**1130**	**5610**	**2390**	**2450**	**291**	**4240**	NS	NS	NS	NS	NS	**389**	**700**	**698**	**415**	**262**	**131**	**66.9**	**90.3**	**1,480**	**1,850**	**14,200**
Tetrahydrofuran	100	<10.0	<10.0	<50.0	<100	<25.0	<20.0	<250	<250	<10.0	<20.0	<10.0	<10.0	**17.4**	<200	<250	<20.0	**112**	NS	NS	NS	NS	NS	<50.0	<20.0	<50.0	<20.0	<10.0	<10.0	<10.0	**18.4**	<100	**46.1**	NA*
Toluene	1000	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**1.4**	<0.40	<2.0	<4.0	<5.0	<4.0	<10.0	<10.0	**3.1**	**0.84**	**1.8**	**2.0**	**4.1**	<8.0	<25.0	<0.80	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
Trichlorofluoromethane	2000	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Vinyl chloride	0.2	**40.8**	**4.0**	<5.0	<4.0	<5.0	<4.0	<10.0	<10.0	<0.40	<0.80	<0.40	<0.40	<1.0	<8.0	<10.0	<0.80	<2.0	NS	NS	NS	NS	NS	<2.0	<0.80	<2.0	<0.80	<0.40	<0.40	<0.40	<0.40	<4.0	<0.80	<40.0
Xylene (Total)	10000	<3.0	<3.0	<15.0	<30.0	<15.0	<12.0	<75.0	<3.0	<3.0	<6.0	<3.0	<3.0	<3.0	<60.0	<75.0	<6.0	<15.0	NS	NS	NS	NS	NS	<15.0	<6.0	<15.0	<6.0	<3.0	<3.0	<3.0	<3.0	<30.0	<6.0	NA*
cis-1,2-Dichloroethene	50	**6.4**	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	**2.3**	<2.0	<1.0	**1.7**	**1.7**	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<20.0	<40.0	<25.0	<20.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<25.0	<20.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<5.0	<10.0	<5.0	<4.0	<25.0	<25.0	<1.0	<2.0	<1.0	<1.0	<1.0	<20.0	<25.0	<2.0	<5.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<20.0	<40.0	<100	<80.0	<100	<100	<4.0	<8.0	<4.0	<4.0	<4.0	<80.0	<100	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	<10.0	<4.0	<10.0	<4.0	<2.0	<2.0	<2.0	<2.0	<20.0	<4.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NS	NS	NS	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from5 ug/L to 0.4 ug/L in 2015

BOLD Detected above lab RL
BOLD Detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	3/3/15	11/19/14	8/21/14	4/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/21/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/23/10	11/16/09	10/1/09	12/3/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**39.8**	**154**	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	**6.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	**694**	**43.3**	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	**50.3**	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<5.0	<5.0	**1.8**	**1.4**	**2.0**	**1.6**	**2.2**	**1.5**	**1.9**	**2.2**	**1.6**	**2.3**	**3.5**	**2.0**	**2.1**	**1.6**	**1.4**	**1.2**	**1.4**	**1.6**	**1.9**	**2.3**	**3.5**	**3.0**	**4.1**	**3.2**	**2.7**	**3.7**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**14.2**	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	**3.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**7.2**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**6.5**	**1.6**	**1.1**	**35.7**	**2.8**	**11.1**	**88.3**	**4.1**	**60.4**	**244**	**2.9**	**1.4**	**5.7**	**3.1**	**1.5**	**1.2**	**2.2**	<1.0	**1.3**	<1.0	<1.0	<1.0	**1.5**	**1.5**	**5.0**	**4.8**	**6.6**	**1.8**	**3.1**	**3.0**	**7.1**	**4.2**	**30.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**3.6**	<0.40	<0.40	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	**0.49**	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	**0.45**	<0.20	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**3.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	3/3/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/22/10	11/16/09	10/1/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	**1.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	**2.0**	<1.0	**1.5**	**3.3**	**6.4**	**6.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	<1.0	NA*
2-Butanone (MEK)	4000	**15.8**	**13.3**	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.1**	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**2.8**	**1.2**	**1.8**	<1.0	**1.3**	**1.4**	**2.2**	**2.2**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.4**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**1.8**	**1.6**	**3.6**	**26.4**	**1.1**	**11.9**	**194**	**1.8**	**101**	**85.2**	<1.0	<1.0	**1.6**	<1.0	<1.0	<1.0	**3.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<1.0	<1.0	**3.3**	**1.3**	**2.8**	**5.7**	**9.5**	**15.7**	**104**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	<0.40	<0.40	<0.40	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	**1.2**	<0.20	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**12.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/22/10	11/16/09	10/1/09	12/3/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,1-Trichloroethane	9000	**28.7**	**42.6**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	**10.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichloroethane	3	<5.0	**6.6**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**526**	**2010**	**3.8**	**32.5**	**38.9**	**21.5**	**150**	**332**	**60.7**	**83.5**	**237**	**382**	**78.9**	**28.1**	**25.6**	**33.0**	**1050**	<1.0	**7.3**	**1.3**	<1.0	<1.0	**3.1**	**19.7**	**43.6**	**23.0**	**127**	**63.8**	**39.3**	**261**	**1,390**	**779**	NA*
1,1-Dichloroethane	70	**9.0**	**4.9**	<4.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1-Dichloroethene	6	**82.4**	**17.7**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
1,1-Dichloropropene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<5.0	<1.0	<1.0	<10.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichloropropane	40	<20.0	<4.0	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<1.0	<1.0	<10.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<50.0	<4.0	<10.0	<40.0	<25.0	<10.0	<100	<100	<250	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichlorobenzene	600	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloroethane	4	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloropropane	5	**26.4**	**17.6**	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichloropropane	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,4-Dichlorobenzene	10	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
2,2-Dichloropropane	NL	<20.0	<4.0	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
2-Butanone (MEK)	4000	**106**	**46.1**	<5.0	<50.0	<100	<40.0	**828**	<125	<125	<25.0	<125	<25.0	<5.0	<25.0	<25.0	<25.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
2-Chlorotoluene	NL	<5.0	**1.1**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Chlorotoluene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<25.0	<5.0	<5.0	<50.0	<100	<40.0	<125	<125	<125	<25.0	<125	<25.0	<5.0	<25.0	<25.0	<25.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Acetone	700	<100	<20.0	<20.0	<200	<100	<40.0	<500	<500	<1250	<100	<500	<100	<20.0	<100	<100	<100	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Allyl chloride	30	<20.0	<4.0	<4.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Benzene	2	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromobenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromochloromethane	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromodichloromethane	6	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromoform	40	<20.0	<4.0	<10.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<16.0	<40.0	<40.0	<80.0	<400	<2000	<80.0	NA*
Bromomethane	10	<50.0	<4.0	<4.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<20.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Carbon tetrachloride	3	<5.0	<1.0	<4.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
Chlorobenzene	100	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroethane	300	<20.0	<1.0	<4.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroform	30	**13.4**	**25.3**	<1.0	<40.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	**4.5**	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloromethane	NL	<20.0	<4.0	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	**456**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Dibromochloromethane	10	<20.0	<1.0	<4.0	<10.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dibromomethane	NL	<20.0	<4.0	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<250	<10.0	NA*
Dichlorodifluoromethane	1000	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dichlorofluoromethane	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<4.0	<4.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Ethylbenzene	700	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<1.0	<4.0	<10.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<10.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Isopropylbenzene (Cumene)	300	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Methyl-tert-butyl ether	70	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Methylene Chloride	5	<20.0	<4.0	<4.0	<40.0	<5.0	<2.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Naphthalene	300	<20.0	<4.0	<4.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Styrene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Tetrachloroethene (PCE)	5	**303**	**25200**	**92.2**	**452**	**461**	**290**	**1490**	**2790**	**2650**	**963**	**2350**	**1780**	**2530**	**413**	**432**	**469**	**7450**	**8.0**	**128**	**21.8**	**7.8**	**16.1**	**75.0**	**590**	**1310**	**322**	**2120**	**696**	**815**	**4,390**	**21,000**	**6,890**	**14,100**
Tetrahydrofuran	100	<50.0	<10.0	<10.0	<100	<25.0	<10.0	<250	<250	<250	<50.0	<250	<50.0	<10.0	<50.0	<50.0	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<20.0	<20.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Toluene	1000	<5.0	**1.3**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**341**	**159**	<0.40	<4.0	<5.0	<2.0	<10.0	<10.0	<10.0	**2.5**	<10.0	**3.9**	**3.4**	<2.0	<2.0	<2.0	**25.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	**2.0**	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	**35.0**
Trichlorofluoromethane	2000	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Vinyl chloride	0.2	**179**	**5.2**	<0.40	<4.0	<5.0	<2.0	<10.0	<10.0	<10.0	<2.0	<10.0	<2.0	<1.0	<2.0	<2.0	<2.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<0.80	<0.80	<2.0	<2.0	<4.0	<20.0	<100	<4.0	<0.40
Xylene (Total)	10000	<15.0	<3.0	<3.0	<30.0	<15.0	<6.0	<75.0	<3.0	<75.0	<15.0	<75.0	<15.0	<3.0	<15.0	<15.0	<15.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0	<6.0	<15.0	<15.0	<30.0	<150	<750	<30.0	NA*
cis-1,2-Dichloroethene	50	**91500**	**456**	<1.0	<10.0	<5.0	**2.3**	<25.0	<25.0	<25.0	**8.7**	<25.0	**11.2**	**6.2**	<5.0	<5.0	<5.0	**91.8**	<1.0	**1.7**	<1.0	<1.0	<1.0	**1.0**	**7.3**	**4.1**	**2.6**	**12.6**	<5.0	<10.0	<50.0	<250	**24.0**	**133**
cis-1,3-Dichloropropene	NL	<20.0	<4.0	<4.0	<40.0	<25.0	<10.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
n-Butylbenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
n-Propylbenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
p-Isopropyltoluene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
sec-Butylbenzene	NL	<5.0	<1.0	<1.0	<10.0	<25.0	<10.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
tert-Butylbenzene	NL	<5.0	<1.0	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
trans-1,2-Dichloroethene	100	**107**	**1.1**	<1.0	<10.0	<5.0	<2.0	<25.0	<25.0	<25.0	<5.0	<25.0	<5.0	<1.0	<5.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<8.0	<8.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
trans-1,3-Dichloropropene	NL	<20.0	<4.0	<4.0	<40.0	<100	<40.0	<100	<100	<100	<20.0	<100	<20.0	<4.0	<20.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<10.0	<10.0	<20.0	<100	<500	<20.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/12	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/22/10	11/16/09	10/1/09	12/3/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<50.0	**18.2**	**37.6**	**58.0**	**26.1**	**12.9**	**20.1**	**23.7**	**13.4**	**5.5**	**4.2**	**10.8**	**32.8**	**7.0**	<1.0	**2.0**	**6.3**	**6.6**	**11.5**	**6.5**	**15.8**	**21.6**	**25.1**	**25.4**	**46.8**	**76.2**	**199**	**249**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<4.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<50.0	<10.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<50.0	<10.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<50.0	<10.0	<20.0	<20.0	<10.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	**50.7**	**224**	<5.0	<5.0	<200	<40.0	<25.0	<25.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<200	<40.0	<25.0	<25.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<20.0	**31.2**	<20.0	<20.0	<200	<40.0	<100	<100	<50.0	<20.0	<40.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<4.0	<4.0	<10.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<4.0	<1.0	<4.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<50.0	<10.0	<5.0	<5.0	<1.0	**1.5**	<2.0	**1.3**	<1.0	**1.3**	**1.2**	**2.0**	**1.2**	**1.3**	**1.1**	**1.1**	**1.6**	**1.2**	**1.4**	<1.0	**1.1**	**1.4**	**1.8**	**2.5**	<5.0	<5.0	<5.0	**2.4**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	**6.1**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<50.0	<10.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<4.0	<1.0	<50.0	<10.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<10.0	<2.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.1**	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene (PCE)	5	**4.0**	**47.3**	**9.2**	**227**	**877**	**329**	**1,010**	**1060**	**433**	**70.4**	**227**	**244**	**94.7**	**54.8**	**69.9**	**95.5**	**215**	**49.9**	**22.0**	**23.3**	**37.1**	**47.1**	**106**	**107**	**109**	**145**	**209**	**174**	**412**	**639**	**1,100**	**803**	**363**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<50.0	<50.0	<10.0	<10.0	<20.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	**0.61**	**1.5**	<0.40	<0.40	<10.0	<2.0	<2.0	**3.3**	<0.40	<0.40	**0.89**	**1.1**	<1.0	<0.40	<0.40	**0.42**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Vinyl chloride	0.2	**1.7**	**0.45**	<0.40	<0.40	<10.0	<2.0	<2.0	<2.0	<0.40	<0.40	<0.80	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<2.0	<2.0	<0.80	<2.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<30.0	<6.0	<15.0	<3.0	<3.0	<3.0	<6.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<15.0	<15.0	<6.0	NA*
cis-1,2-Dichloroethene	50	**14.4**	**3.8**	<1.0	<1.0	<10.0	**2.0**	<5.0	**9.8**	<1.0	**1.2**	**3.2**	**3.7**	<1.0	<1.0	<1.0	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.3**	**1.0**	**1.8**	**2.2**	**2.4**	<5.0	**5.4**	**7.9**	**4.8**	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<50.0	<10.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<50.0	<10.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<5.0	<5.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<200	<40.0	<20.0	<20.0	<4.0	<4.0	<8.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<10.0	<4.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/18/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/22/10	11/16/09	10/1/09	12/3/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<25.0	<5.0	**6.3**	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	<1.0	**2.7**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<25.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<5.0	<100	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<100	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<20.0	<20.0	<20.0	<20.0	<100	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	**12.2**	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	<4.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	**20.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<5.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**7.2**	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**6.1**	**6.7**	**1.6**	**121**	**522**	**156**	**952**	**2.1**	**340**	**2.3**	**1.3**	**3.0**	**15.7**	**2.0**	**1.6**	**1.5**	**1.2**	**2.3**	<1.0	**1.8**	**1.5**	**2.9**	**3.6**	**3.6**	**3.6**	**4.8**	**8.6**	**8.4**	**26.0**	**96.8**	**130**	**250**	**257**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<25.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	<0.40	<0.40	<0.40	<0.40	<5.0	<1.0	**1.1**	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	**2.1**	**2.6**	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.20	<0.20	<1.0	<0.40	<5.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<15.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<25.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<25.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<100	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/23/10	11/16/09	9/24/09	12/3/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	**1.1**	**5.4**	<5.0	**5.3**	**9.5**	**3.1**	**8.0**	**1.2**	<1.0	**1.2**	**2.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	**2.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	NA*
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.5**	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.3**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**10.4**	<4.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.2**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene (PCE)	5	**1.8**	**1.8**	**1.8**	**54.2**	**35.4**	**36.1**	**139**	**55.7**	**203**	**50.1**	**5.3**	**3.7**	**4.7**	**11.7**	**2.1**	**1.7**	**3.0**	<1.0	**1.4**	<1.0	**1.1**	**2.2**	**2.7**	**2.9**	**4.7**	**4.8**	**4.8**	**4.2**	**7.2**	**12.9**	**13.6**	**17.4**	**2.4**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.20	<0.20	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**3.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 4

MONITORING WELL GROUNDWATER ANALYTICAL RESULTS (ug/L)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Sample ID	MDH Health Risk Limits	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Collected Date and Time	5/09	1/30/17	11/29/16	8/10/16	5/17/16	2/23/16	1/11/16	12/14/15	8/18/15	6/15/15	2/25/15	11/19/14	8/21/14	5/20/14	2/17/14	12/10/13	8/26/13	5/23/13	2/25/13	12/19/12	9/26/12	5/17/12	2/16/12	11/21/11	8/28/11	5/19/11	3/1/11	11/18/10	8/18/10	5/12/10	2/23/10	11/16/09	10/1/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	**1.3**	<1.0	<1.0	<5.0	<5.0	**17.6**	**14.4**	**12.5**	**5.5**	**2.8**	**2.5**	**6.5**	**9.1**	**6.4**	**9.3**	**18.0**	**1.4**	**1.3**	**1.3**	**1.5**	**2.1**	**2.5**	<1.0	**2.3**	**8.6**	**2.7**	**2.8**	**11.2**	**20.9**	**37.4**	**33.5**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<10.0	<4.0	<10.0	<4.0	<5.0	<5.0	<4.0	<4.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	**15.2**	**45.5**	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<5.0	<20.0	<20.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<20.0	**21.9**	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<50.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<20.0	<20.0	<20.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<16.0	<16.0	<16.0	<8.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<4.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**21.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	**8.6**	<8.0	<4.0	NA*
Dibromochloromethane	10	<4.0	<1.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<2.0	<2.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.2**	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene (PCE)	5	<1.0	**2.1**	**3.6**	**23.2**	**62.0**	**27.5**	**177**	**762**	**172**	**47.1**	**20.4**	**12.7**	**46.9**	**106**	**81.4**	**45.5**	**198**	**50.2**	**40.8**	**17.4**	**28.7**	**41.8**	**32.5**	**12.2**	**16.8**	**211**	**50.9**	**74.7**	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**36.1**	<20.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Trichloroethene (TCE)	0.4 (5)[1]	<0.40	**1.1**	<0.40	<0.40	<1.0	<1.0	<0.40	**1.0**	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.9**	<2.0	<2.0	<1.0	<5.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Vinyl chloride	0.2	**58.0**	**7.7**	<1.0	<0.40	<1.0	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<1.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<0.80	<0.80	<0.40	<2.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0	<6.0	<3.0	NA*
cis-1,2-Dichloroethene	50	**69.4**	**647**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<2.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
m&p-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	NA*
o-Xylene	NL	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed
NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

Table 5
Methane and Lower Explosive Limit Field Data
MN BioBusiness Center
221 First Avenue SW
Rochester, MN

Monitoring Location	Date Measured	Methane (CH4) Reading	Lower Explosive Limit (LEL) Reading	Pressure Readings (Inches of Water)
LSG-7	9/14/2016	NR	NR	-0.165
LSG-7	9/22/2016	0.0	0.0	NR
LSG-7	9/29/2016	0.0	0.0	NR
LSG-7	10/5/2016	0.0	0.0	NR
LSG-7	10/13/2016	0.0	0.0	NR
LSG-7	10/20/2016	0.0	0.0	NR
LSG-7	11/18/2016	0.0	0.0	NR
LSG-7	11/29/2016	0.0	0.0	NR
LSG-7	12/21/2016	0.0	0.0	NR
LSG-7	1/4/2017	0.0	0.0	NR
LSG-7	1/17/2017	0.0	0.0	NR
LSG-7	1/30/2017	0.0	0.0	NR
LSG-7	2/28/2017	0.0	0.0	-0.101
LSG-8	9/14/2016	NR	NR	-0.481
LSG-8	9/22/2016	0.0	0.0	NR
LSG-8	9/29/2016	0.0	0.0	NR
LSG-8	10/5/2016	0.0	0.0	NR
LSG-8	10/13/2016	0.0	0.0	NR
LSG-8	10/20/2016	0.0	0.0	NR
LSG-8	11/18/2016	0.0	0.0	NR
LSG-8	11/29/2016	0.0	0.0	NR
LSG-8	12/21/2016	0.0	0.0	NR
LSG-8	1/4/2017	0.0	0.0	NR
LSG-8	1/17/2017	0.0	0.0	NR
LSG-8	1/30/2017	0.0	0.0	NR
LSG-8	2/28/2017	0.0	0.0	-0.405
LSG-9	9/14/2016	NR	NR	-0.845
LSG-9	9/22/2016	0.0	0.0	NR
LSG-9	9/29/2016	0.0	0.0	NR
LSG-9	10/5/2016	0.0	0.0	NR
LSG-9	10/13/2016	0.0	0.0	NR

Table 5
Methane and Lower Explosive Limit Field Data
MN BioBusiness Center
221 First Avenue SW
Rochester, MN

Monitoring Location	Date Measured	Methane (CH4) Reading	Lower Explosive Limit (LEL) Reading	Pressure Readings (Inches of Water)
LSG-9	10/20/2016	0.0	0.0	NR
LSG-9	11/18/2016	0.0	0.0	NR
LSG-9	11/29/2016	0.0	0.0	NR
LSG-9	12/21/2016	0.0	0.0	NR
LSG-9	1/4/2017	0.0	0.0	NR
LSG-9	1/17/2017	0.0	0.0	NR
LSG-9	1/30/2017	0.0	0.0	NR
LSG-9	2/28/2017	0.0	0.0	-0.754
LSG-10	9/14/2016	NR	NR	-0.839
LSG-10	9/22/2016	0.0	0.0	NR
LSG-10	9/29/2016	0.0	0.0	NR
LSG-10	10/5/2016	0.0	0.0	NR
LSG-10	10/13/2016	0.0	0.0	NR
LSG-10	10/20/2016	0.0	0.0	NR
LSG-10	11/18/2016	0.0	0.0	NR
LSG-10	11/29/2016	0.0	0.0	NR
LSG-10	12/21/2016	0.0	0.0	NR
LSG-10	1/4/2017	0.0	0.0	NR
LSG-10	1/17/2017	0.0	0.0	NR
LSG-10	1/30/2017	0.0	0.0	NR
LSG-10	2/28/2017	0.0	0.0	-0.781
V-1	9/14/2016	NR	NR	-1.561
V-1	9/22/2016	0.0	0.0	NR
V-1	9/29/2016	0.0	0.0	NR
V-1	10/5/2016	0.0	0.0	NR
V-1	10/13/2016	0.0	0.0	NR
V-1	10/20/2016	0.0	0.0	NR
V-1	11/18/2016	0.0	0.0	NR
V-1	11/29/2016	0.0	0.0	NR
V-1	12/21/2016	0.0	0.0	NR
V-1	1/4/2017	0.0	0.0	NR

Table 5
Methane and Lower Explosive Limit Field Data
MN BioBusiness Center
221 First Avenue SW
Rochester, MN

Monitoring Location	Date Measured	Methane (CH4) Reading	Lower Explosive Limit (LEL) Reading	Pressure Readings (Inches of Water)
V-1	1/17/2017	0.0	0.0	NR
V-1	1/30/2017	0.0	0.0	NR
V-1	2/28/2017	0.0	0.0	-1.491
V-2	9/14/2016	NR	NR	-1.508
V-2	9/22/2016	0.0	0.0	NR
V-2	9/29/2016	0.0	0.0	NR
V-2	10/5/2016	0.0	0.0	NR
V-2	10/13/2016	0.0	0.0	NR
V-2	10/20/2016	0.0	0.0	NR
V-2	11/18/2016	0.0	0.0	NR
V-2	11/29/2016	0.0	0.0	NR
V-2	12/21/2016	0.0	0.0	NR
V-2	1/4/2017	0.0	0.0	NR
V-2	1/17/2017	0.0	0.0	NR
V-2	1/30/2017	0.0	0.0	NR
V-2	2/28/2017	0.0	0.0	-1.421
V-3	9/14/2016	NR	NR	-1.668
V-3	9/22/2016	0.0	0.0	NR
V-3	9/29/2016	0.0	0.0	NR
V-3	10/5/2016	NR	NR	NR
V-3	10/13/2016	NR	NR	NR
V-3	10/20/2016	0.0	0.0	NR
V-3	11/18/2016	NR	NR	NR
V-3	11/29/2016	0.0	0.0	NR
V-3	12/21/2016	NR	NR	NR
V-3	1/4/2017	NR	NR	NR
V-3	1/17/2017	NR	NR	NR
V-3	1/30/2017	0.0	0.0	NR
V-3	2/28/2017	0.0	0.0	-1.581
V-4	9/14/2016	NR	NR	-2.007
V-4	9/22/2016	0.0	0.0	NR

Table 5
Methane and Lower Explosive Limit Field Data
MN BioBusiness Center
221 First Avenue SW
Rochester, MN

Monitoring Location	Date Measured	Methane (CH4) Reading	Lower Explosive Limit (LEL) Reading	Pressure Readings (Inches of Water)
V-4	9/29/2016	0.0	0.0	NR
V-4	10/5/2016	NR	NR	NR
V-4	10/13/2016	NR	NR	NR
V-4	10/20/2016	0.0	0.0	NR
V-4	11/18/2016	NR	NR	NR
V-4	11/29/2016	0.0	0.0	NR
V-4	12/21/2016	NR	NR	NR
V-4	1/4/2017	NR	NR	NR
V-4	1/17/2017	NR	NR	NR
V-4	1/30/2017	0.0	0.0	NR
V-4	2/28/2017	0.0	0.0	-1.955
SP-1	9/14/2016	NR	NR	NR
SP-1	9/22/2016	0.0	0.0	NR
SP-1	9/29/2016	0.0	0.0	NR
SP-1	10/5/2016	NR	NR	NR
SP-1	10/13/2016	NR	NR	NR
SP-1	10/20/2016	0.0	0.0	NR
SP-1	11/18/2016	NR	NR	NR
SP-1	11/29/2016	0.0	0.0	NR
SP-1	12/21/2016	NR	NR	NR
SP-1	1/4/2017	NR	NR	NR
SP-1	1/17/2017	NR	NR	NR
SP-1	1/30/2017	0.0	0.0	NR
SP-1	2/28/2017	0.0	0.0	-0.298
SP-2	9/14/2016	0.0	0.0	NR
SP-2	9/22/2016	0.0	0.0	NR
SP-2	9/29/2016	0.0	0.0	NR
SP-2	10/5/2016	0.0	0.0	NR
SP-2	10/13/2016	0.0	0.0	NR
SP-2	10/20/2016	0.0	0.0	NR
SP-2	11/18/2016	0.0	0.0	NR

Table 5
Methane and Lower Explosive Limit Field Data
MN BioBusiness Center
221 First Avenue SW
Rochester, MN

Monitoring Location	Date Measured	Methane (CH4) Reading	Lower Explosive Limit (LEL) Reading	Pressure Readings (Inches of Water)
SP-2	11/29/2016	0.0	0.0	NR
SP-2	12/21/2016	0.0	0.0	NR
SP-2	1/4/2017	0.0	0.0	NR
SP-2	1/17/2017	0.0	0.0	NR
SP-2	1/30/2017	0.0	0.0	NR
SP-2	2/28/2017	0.0	0.0	-0.001

TABLE 6

PCE, TCE, CIS-1,2 DCE, VC Groundwater Concentration Data
MN Bio Buisness Center
221 First Avenue SW
Rochester, Minneosta

Parameter	DPE-1 1/30/17	DPE-1 11/29/16	DPE-1 8/10/16	DPE-2 1/30/17	DPE-2 11/29/16	DPE-2 8/10/16	DPE-3 1/30/17	DPE-3 11/29/16	DPE-3 8/10/16	DPE-4 1/30/17	DPE-4 11/29/16	DPE-4 8/10/16	DPE-5 1/30/17	DPE-5 11/29/16	DPE-5 8/10/16
Tetrachloroethene	**1480**	**261**	**207**	**220**	**522**	**1,260**	**3,010**	**4690**	**2,590**	**2,450**	**670**	**400**	**12.4**	**124**	**85**
Trichloroethene	**605**	**16.5**	<0.40	**58.6**	**8.1**	<8.0	**66.1**	**38.4**	<8.0	**283**	**41.5**	<2.0	<2.0	<8.0	<0.40
Vinyl chloride	**289**	**68.1**	<0.40	**800**	**57.3**	<8.0	**240**	**143**	<8.0	**197**	**121**	<2.0	**12.6**	<4.0	<0.40
cis-1,2-Dichloroethene	**46100**	**16.6**	<1.0	**669**	<10.0	<20.0	**1170**	**37.5**	<20.0	**497**	<10.0	<5.0	**21.2**	<20.0	<1.0

Parameter	DPE-6 1/30/17	DPE-6 11/29/16	DPE-6 8/10/16	DPE-7 1/30/17	DPE-7 11/29/16	DPE-7 8/10/16	DPE-8 1/30/17	DPE-8 11/29/16	DPE-8 8/10/16	MW-14 1/30/17	MW-14 11/29/16	MW-14 8/10/16	MW-15 1/30/17	MW-15 11/29/16	MW-15 8/10/16
Tetrachloroethene	**2.6**	**1.3**	**2.4**	**8.0**	**10.0**	**5.3**	**8.8**	**6.4**	**429**	**6.5**	**1.6**	**1.1**	**1.8**	**1.6**	**3.6**
Trichloroethene	**0.92**	<0.40	<0.40	**4.4**	**1.3**	<0.40	**1.4**	<0.40	<2.0	**3.6**	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl chloride	**1.9**	**0.32**	<1.0	**15.4**	**3.6**	<1.0	**40.8**	**4.0**	<5.0	**0.45**	<0.20	<1.0	**1.2**	<0.20	<1.0
cis-1,2-Dichloroethene	**1.7**	<1.0	<1.0	**22.7**	<1.0	<1.0	**6.4**	<1.0	<5.0	**3.0**	<1.0	<1.0	**12.3**	<1.0	<1.0

Parameter	MW-16 1/30/17	MW-16 11/29/16	MW-16 8/10/16	MW-17 1/30/17	MW-17 11/29/16	MW-17 8/10/16	MW-18 1/30/17	MW-18 11/29/16	MW-18 8/10/16	MW-19 1/30/17	MW-19 11/29/16	MW-19 8/10/16	MW-20 1/30/17	MW-20 11/29/16	MW-20 8/10/16
Tetrachloroethene	**303**	**25200**	**92.2**	**4.0**	**47.3**	**9.2**	**6.1**	**6.7**	**1.6**	**1.8**	**1.8**	**1.8**	<1.0	**2.1**	**3.6**
Trichloroethene	**341**	**159**	<0.40	**0.61**	**1.5**	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	**1.1**	<0.40
Vinyl chloride	**179**	**5.2**	<0.40	**1.7**	**0.45**	<0.40	<0.20	<0.20	<1.0	<0.20	<0.20	<1.0	**58.0**	**7.7**	<1.0
cis-1,2-Dichloroethene	**91500**	**456**	<1.0	**14.4**	**3.8**	<1.0	<1.0	<1.0	<1.0	**3.6**	<1.0	<1.0	**69.4**	**647**	<1.0

Notes:

NL: No Limit

NA*: Not Analyzed

NS: Not Sampled

[1] MDH Health Risk Limit for TCE changed from 5 ug/L to 0.4 ug/L in 2015

BOLD detected above lab RL

BOLD detected above MDH HRL

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-14	12/3/2008	989.50	10.82	978.68	pre-system installation
MW-14	6/8/2009	989.50	12.40	977.10	pre-system startup
MW-14	7/9/2009	989.50	12.90	976.60	DPE system on DPE-1
MW-14	7/9/2009	989.50	12.51	976.99	DPE system temporarily off
MW-14	9/4/2009	989.50	12.63	976.87	DPE system on
MW-14	9/4/2009	989.50	12.57	976.93	DPE system on after replacing inlet screen
MW-14	9/4/2009	989.50	12.65	976.85	DPE system on after replacing inlet filter
MW-14	10/15/2009	989.50	12.47	977.03	DPE system on DPE-1
MW-14	10/23/2009	989.50	11.33	978.17	DPE system off
MW-14	11/16/2009	989.50	11.87	977.63	DPE System on all wells
MW-14	12/17/2009	989.50	11.66	977.84	DPE System on all wells
MW-14	1/14/2010	989.50	12.14	977.36	DPE System on all wells
MW-14	2/22/2010	989.50	12.51	976.99	DPE System on all wells
MW-14	3/25/2010	989.50	11.90	977.60	DPE System on all wells
MW-14	4/16/2010	989.50	12.21	977.29	DPE System on all wells
MW-14	5/12/2010	989.50	12.68	976.82	DPE System on all wells
MW-14	6/17/2010	989.50	13.01	976.49	DPE System on all wells
MW-14	8/18/2010	989.50	13.28	976.22	DPE System on all wells
MW-14	9/27/2010	989.50	10.85	978.65	DPE System on all wells
MW-14	11/18/2010	989.50	11.16	978.34	DPE System not operating
MW-14	12/22/2010	989.50	11.56	977.94	DPE System restarted
MW-14	1/6/2011	989.50	10.82	978.68	DPE System on all wells
MW-14	1/20/2011	989.50	11.18	978.32	DPE System on all wells
MW-14	2/28/2011	989.50	11.18	978.32	DPE System on all wells
MW-14	3/7/2011	989.50	11.60	977.90	DPE System on all wells
MW-14	3/18/2011	989.50	11.47	978.03	DPE System on all wells
MW-14	3/23/2011	989.50	10.84	978.66	DPE System on all wells
MW-14	4/22/2011	989.50	12.70	976.80	DPE System on all wells
MW-14	5/19/2011	989.50	10.96	978.54	DPE System on all wells
MW-14	6/16/2011	989.50	11.13	978.37	DPE System on all wells
MW-14	7/25/2011	989.50	10.72	978.78	DPE System on all wells
MW-14	8/28/2011	989.50	12.11	977.39	DPE System on all wells
MW-14	9/29/2011	989.50	12.26	977.24	DPE-1,2,3,4
MW-14	10/18/2011	989.50	11.18	978.32	DPE-1,2,3,4
MW-14	10/27/2011	989.50	12.30	977.20	DPE-1,2,3,4
MW-14	11/21/2011	989.50	12.77	976.73	DPE-1,2,3,4
MW-14	1/20/2012	989.50	12.29	977.21	DPE-1,2,3,4
MW-14	1/27/2012	989.50	13.06	976.44	DPE-1,2,3,4
MW-14	2/16/2012	989.50	13.14	976.36	DPE-1,2,3,4
MW-14	3/16/2012	989.50	13.56	975.94	DPE-1,2,3,4
MW-14	3/27/2012	989.50	12.46	977.04	DPE-1,2,3,4
MW-14	4/17/2012	989.50	13.00	976.50	DPE-1,2,3,4
MW-14	5/17/2012	989.50	12.88	976.62	DPE-1,2,3,4
MW-14	5/31/2012	989.50	12.64	976.86	DPE-1,2,3,4
MW-14	6/14/2012	989.50	13.35	976.15	DPE-1,2,3,4
MW-14	7/19/2012	989.50	13.80	975.70	DPE-3
MW-14	8/23/2012	989.50	13.20	976.30	DPE-3
MW-14	9/26/2012	989.50	13.47	976.03	DPE-3
MW-14	10/26/2012	989.50	13.43	976.07	DPE-3
MW-14	12/19/2012	989.50	12.53	976.97	DPE-3; Before restarting the system
MW-14	12/21/2012	989.50	13.29	976.21	DPE-3; After restarting the system
MW-14	1/30/2013	989.50	13.42	976.08	DPE-1,2,3,4
MW-14	2/26/2013	989.50	13.41	976.09	DPE-1,2,3,4
MW-14	3/21/2013	989.50	13.47	976.03	DPE-1,2,3,4
MW-14	5/23/2013	989.50	8.56	980.94	DPE-1,2,3,4
MW-14	6/26/2013	989.50	10.01	979.49	DPE-1,2,3,4
MW-14	8/26/2013	989.50	11.54	977.96	DPE-1,2,3,4
MW-14	12/10/2013	989.50	11.26	978.24	System Off
MW-14	2/17/2014	989.50	11.66	977.84	System Off
MW-14	4/20/2014	989.50	10.52	978.98	System Off
MW-14	8/21/2014	989.50	11.67	977.83	System Off
MW-14	11/19/2014	989.50	10.91	978.59	System Off
MW-14	2/25/2015	989.50	11.79	977.71	System Off
MW-14	6/15/2015	989.50	10.70	978.80	System Off
MW-14	8/17/2015	989.50	11.74	977.76	System Off
MW-14	9/10/2015	989.50	11.51	977.99	System Off
MW-14	10/12/2015	989.50	13.27	976.23	System Off
MW-14	12/14/2015	989.50	11.30	978.20	DPE System on all wells
MW-14	1/11/2016	989.50	11.60	977.90	DPE System on all wells
MW-14	2/23/2016	989.50	10.97	978.53	DPE System on all wells
MW-14	4/20/2016	989.50	10.89	978.61	DPE System on all wells
MW-14	5/17/2016	989.50	10.91	978.59	DPE System on all wells
MW-14	8/10/2016	989.50	12.15	977.35	DPE System on all wells
MW-14	11/29/2016	989.50	7.85	981.65	DPE System Off
MW-14	1/30/2017	989.50	7.62	981.88	DPE System Off
MW-14	2/28/2017	989.50	7.39	982.11	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-15	12/3/2008	991.50	13.11	978.39	pre-system installation
MW-15	6/8/2009	991.50	15.58	975.92	pre-system startup
MW-15	7/9/2009	991.50	15.94	975.56	DPE system on DPE-1
MW-15	7/9/2009	991.50	16.51	974.99	DPE system temporarily off
MW-15	9/4/2009	991.50	15.73	975.77	DPE system on
MW-15	9/4/2009	991.50	15.90	975.60	DPE system on after replacing inlet screen
MW-15	9/4/2009	991.50	16.01	975.49	DPE system on after replacing inlet filter
MW-15	10/15/2009	991.50	15.38	976.12	DPE system on DPE-1
MW-15	10/23/2009	991.50	14.14	977.36	DPE system off
MW-15	11/16/2009	991.50	13.78	977.72	DPE System on all wells
MW-15	12/17/2009	991.50	14.25	977.25	DPE System on all wells
MW-15	1/14/2010	991.50	14.33	977.17	DPE System on all wells
MW-15	2/22/2010	991.50	15.72	975.78	DPE System on all wells
MW-15	3/25/2010	991.50	14.57	976.93	DPE System on all wells
MW-15	4/16/2010	991.50	14.72	976.78	DPE System on all wells
MW-15	5/12/2010	991.50	15.44	976.06	DPE System on all wells
MW-15	6/17/2010	991.50	16.28	975.22	DPE System on all wells
MW-15	8/18/2010	991.50	16.24	975.26	DPE System on all wells
MW-15	9/27/2010	991.50	13.68	977.82	DPE System on all wells
MW-15	11/18/2010	991.50	13.79	977.71	DPE System not operating
MW-15	12/22/2010	991.50	14.03	977.47	DPE System restarted
MW-15	1/6/2011	991.50	13.53	977.97	DPE System on all wells
MW-15	1/20/2011	991.50	13.55	977.95	DPE System on all wells
MW-15	2/28/2011	991.50	13.71	977.79	DPE System on all wells
MW-15	3/7/2011	991.50	14.01	977.49	DPE System on all wells
MW-15	3/18/2011	991.50	14.08	977.42	DPE System on all wells
MW-15	3/23/2011	991.50	12.79	978.71	DPE System on all wells
MW-15	4/22/2011	991.50	13.40	978.10	DPE System on all wells
MW-15	5/19/2011	991.50	13.38	978.12	DPE System on all wells
MW-15	6/16/2011	991.50	13.62	977.88	DPE System on all wells
MW-15	7/25/2011	991.50	13.08	978.42	DPE System on all wells
MW-15	8/28/2011	991.50	14.76	976.74	DPE System on all wells
MW-15	9/29/2011	991.50	15.28	976.22	DPE-1,2,3,4
MW-15	10/18/2011	991.50	13.79	977.71	DPE-1,2,3,4
MW-15	10/27/2011	991.50	15.56	975.94	DPE-1,2,3,4
MW-15	11/21/2011	991.50	15.89	975.61	DPE-1,2,3,4
MW-15	1/20/2012	991.50	14.92	976.58	DPE-1,2,3,4
MW-15	1/27/2012	991.50	15.91	975.59	DPE-1,2,3,4
MW-15	2/16/2012	991.50	15.78	975.72	DPE-1,2,3,4
MW-15	3/16/2012	991.50	15.81	975.69	DPE-1,2,3,4
MW-15	3/27/2012	991.50	15.19	976.31	DPE-1,2,3,4
MW-15	4/17/2012	991.50	15.49	976.01	DPE-1,2,3,4
MW-15	5/17/2012	991.50	15.90	975.60	DPE-1,2,3,4
MW-15	5/31/2012	991.50	15.26	976.24	DPE-1,2,3,4
MW-15	6/14/2012	991.50	15.93	975.57	DPE-1,2,3,4
MW-15	7/19/2012	991.50	16.63	974.87	DPE-3
MW-15	8/23/2012	991.50	16.04	975.46	DPE-3
MW-15	9/26/2012	991.50	16.32	975.18	DPE-3
MW-15	10/26/2012	991.50	16.26	975.24	DPE-3
MW-15	12/19/2012	991.50	15.14	976.36	DPE-3; Before restarting the system
MW-15	12/21/2012	991.50	16.42	975.08	DPE-3; After restarting the system
MW-15	1/30/2013	991.50	16.72	974.78	DPE-1,2,3,4
MW-15	2/26/2013	991.50	15.96	975.54	DPE-1,2,3,4
MW-15	3/21/2013	991.50	16.79	974.71	DPE-1,2,3,4
MW-15	5/23/2013	991.50	11.07	980.43	DPE-1,2,3,4
MW-15	6/26/2013	991.50	12.37	979.13	DPE-1,2,3,4
MW-15	8/26/2013	991.50	14.06	977.44	DPE-1,2,3,4
MW-15	12/10/2013	991.50	13.80	977.70	System Off
MW-15	2/17/2014	991.50	14.11	977.39	System Off
MW-15	4/20/2014	991.50	12.92	978.58	System Off
MW-15	8/21/2014	991.50	14.49	977.01	System Off
MW-15	11/19/2014	991.50	13.54	977.96	System Off
MW-15	2/25/2015	991.50	14.20	977.30	System Off
MW-15	6/15/2015	991.50	12.69	978.81	System Off
MW-15	8/17/2015	991.50	14.19	977.31	System Off
MW-15	9/10/2015	991.50	13.91	977.59	System Off
MW-15	10/12/2015	991.50	15.42	976.08	System Off
MW-15	12/14/2015	991.50	13.65	977.85	DPE System on all wells
MW-15	1/11/2016	991.50	13.81	977.69	DPE System on all wells
MW-15	2/23/2016	991.50	13.29	978.21	DPE System on all wells
MW-15	4/20/2016	991.50	13.64	977.86	DPE System on all wells
MW-15	5/17/2016	991.50	13.04	978.46	DPE System on all wells
MW-15	8/10/2016	991.50	13.97	977.53	DPE System on all wells
MW-15	11/29/2016	991.50	10.98	980.52	DPE System Off
MW-15	1/30/2017	991.50	11.33	980.17	DPE System Off
MW-15	2/28/2017	991.50	11.25	980.25	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-16	12/3/2008	989.44	12.32	977.12	pre-system installation
MW-16	6/8/2009	989.44	14.82	974.62	pre-system startup
MW-16	7/9/2009	989.44	14.23	975.21	DPE system on DPE-1
MW-16	7/9/2009	989.44	13.19	976.25	DPE system temporarily off
MW-16	9/4/2009	989.44	13.70	975.74	DPE system on
MW-16	9/4/2009	989.44	14.25	975.19	DPE system on after replacing inlet screen
MW-16	9/4/2009	989.44	14.58	974.86	DPE system on after replacing inlet filter
MW-16	10/15/2009	989.44	13.61	975.83	DPE system on DPE-1
MW-16	10/23/2009	989.44	11.89	977.55	DPE system off
MW-16	11/16/2009	989.44	11.44	978.00	DPE System on all wells
MW-16	12/17/2009	989.44	14.17	975.27	DPE System on all wells
MW-16	1/14/2010	989.44	12.57	976.87	DPE System on all wells
MW-16	2/22/2010	989.44	13.68	975.76	DPE System on all wells
MW-16	3/25/2010	989.44	12.50	976.94	DPE System on all wells
MW-16	4/16/2010	989.44	12.72	976.72	DPE System on all wells
MW-16	5/12/2010	989.44	13.41	976.03	DPE System on all wells
MW-16	6/17/2010	989.44	13.96	975.48	DPE System on all wells
MW-16	8/18/2010	989.44	13.91	975.53	DPE System on all wells
MW-16	9/27/2010	989.44	11.37	978.07	DPE System on all wells
MW-16	11/18/2010	989.44	11.61	977.83	DPE System not operating
MW-16	12/22/2010	989.44	12.63	976.81	DPE System restarted
MW-16	1/6/2011	989.44	11.30	978.14	DPE System on all wells
MW-16	1/20/2011	989.44	11.91	977.53	DPE System on all wells
MW-16	2/28/2011	989.44	11.77	977.67	DPE System on all wells
MW-16	3/7/2011	989.44	12.27	977.17	DPE System on all wells
MW-16	3/18/2011	989.44	12.38	977.06	DPE System on all wells
MW-16	3/23/2011	989.44	11.13	978.31	DPE System on all wells
MW-16	4/22/2011	989.44	11.92	977.52	DPE System on all wells
MW-16	5/19/2011	989.44	11.88	977.56	DPE System on all wells
MW-16	6/16/2011	989.44	11.97	977.47	DPE System on all wells
MW-16	7/25/2011	989.44	11.31	978.13	DPE System on all wells
MW-16	8/28/2011	989.44	12.59	976.85	DPE System on all wells
MW-16	9/29/2011	989.44	13.09	976.35	DPE-1,2,3,4
MW-16	10/18/2011	989.44	11.59	977.85	DPE-1,2,3,4
MW-16	10/27/2011	989.44	12.88	976.56	DPE-1,2,3,4
MW-16	11/21/2011	989.44	13.68	975.76	DPE-1,2,3,4
MW-16	1/20/212	989.44	12.73	976.71	DPE-1,2,3,4
MW-16	1/27/2012	989.44	13.88	975.56	DPE-1,2,3,4
MW-16	2/16/2012	989.44	13.99	975.45	DPE-1,2,3,4
MW-16	3/16/2012	989.44	14.14	975.30	DPE-1,2,3,4
MW-16	3/27/2012	989.44	13.34	976.10	DPE-1,2,3,4
MW-16	4/17/2012	989.44	13.88	975.56	DPE-1,2,3,4
MW-16	5/17/2012	989.44	13.80	975.64	DPE-1,2,3,4
MW-16	5/31/2012	989.44	13.26	976.18	DPE-1,2,3,4
MW-16	6/14/2012	989.44	14.21	975.23	DPE-1,2,3,4
MW-16	7/19/2012	989.44	14.51	974.93	DPE-3
MW-16	8/23/2012	989.44	13.99	975.45	DPE-3
MW-16	9/26/2012	989.44	14.32	975.12	DPE-3
MW-16	10/26/2012	989.44	14.16	975.28	DPE-3
MW-16	12/19/2012	989.44	13.02	976.42	DPE-3; Before restarting the system
MW-16	12/21/2012	989.44	14.12	975.32	DPE-3; After restarting the system
MW-16	1/30/2013	989.44	14.46	974.98	DPE-1,2,3,4
MW-16	2/26/2013	989.44	14.04	975.40	DPE-1,2,3,4
MW-16	3/21/2013	989.44	14.69	974.75	DPE-1,2,3,4
MW-16	5/23/2013	989.44	8.92	980.52	DPE-1,2,3,4
MW-16	6/26/2013	989.44	10.91	978.53	DPE-1,2,3,4
MW-16	8/26/2013	989.44	12.54	976.90	DPE-1,2,3,4
MW-16	12/10/2013	989.44	11.73	977.71	System Off
MW-16	2/17/2014	989.44	12.09	977.35	System Off
MW-16	4/20/2014	989.44	10.86	978.58	System Off
MW-16	8/21/2014	989.44	11.94	977.50	System Off
MW-16	11/19/2014	989.44	11.29	978.15	System Off
MW-16	2/25/2015	989.44	12.13	977.31	System Off
MW-16	6/15/2015	989.44	10.88	978.56	System Off
MW-16	8/17/2015	989.44	12.06	977.38	System Off
MW-16	9/10/2015	989.44	11.83	977.61	System Off
MW-16	10/12/2015	989.44	13.21	976.23	System Off
MW-16	12/14/2015	989.44	11.64	977.80	DPE System on all wells
MW-16	1/11/2016	989.44	11.99	977.45	DPE System on all wells
MW-16	2/23/2016	989.44	11.27	978.17	DPE System on all wells
MW-16	4/20/2016	989.44	11.28	978.16	DPE System on all wells
MW-16	5/17/2016	989.44	11.38	978.06	DPE System on all wells
MW-16	8/10/2016	989.44	12.56	976.88	DPE System on all wells
MW-16	11/29/2016	989.44	7.36	982.08	DPE System Off
MW-16	1/30/2017	989.44	8.20	981.24	DPE System Off
MW-16	2/28/2017	989.44	7.71	981.73	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-17	12/3/2008	989.53	12.81	976.72	pre-system installation
MW-17	6/8/2009	989.53	13.69	975.84	pre-system startup
MW-17	7/9/2009	989.53	14.44	975.09	DPE system on DPE-1
MW-17	7/9/2009	989.53	14.35	975.18	DPE system temporarily off
MW-17	9/4/2009	989.53	14.31	975.22	DPE system on
MW-17	9/4/2009	989.53	14.33	975.20	DPE system on after replacing inlet screen
MW-17	9/4/2009	989.53	14.39	975.14	DPE system on after replacing inlet filter
MW-17	10/15/2009	989.53	14.00	975.53	DPE system on DPE-1
MW-17	10/23/2009	989.53	13.13	976.40	DPE system off
MW-17	11/16/2009	989.53	12.76	976.77	DPE System on all wells
MW-17	12/17/2009	989.53	13.04	976.49	DPE System on all wells
MW-17	1/14/2010	989.53	13.22	976.31	DPE System on all wells
MW-17	2/22/2010	989.53	14.37	975.16	DPE System on all wells
MW-17	3/25/2010	989.53	12.78	976.75	DPE System on all wells
MW-17	4/16/2010	989.53	13.19	976.34	DPE System on all wells
MW-17	5/12/2010	989.53	13.84	975.69	DPE System on all wells
MW-17	6/17/2010	989.53	14.13	975.40	DPE System on all wells
MW-17	8/18/2010	989.53	15.08	974.45	DPE System on all wells
MW-17	9/27/2010	989.53	12.68	976.85	DPE System on all wells
MW-17	11/18/2010	989.53	12.68	976.85	DPE System not operating
MW-17	12/22/2010	989.53	12.50	977.03	DPE System restarted
MW-17	1/6/2011	989.53	12.17	977.36	DPE System on all wells
MW-17	1/20/2011	989.53	12.25	977.28	DPE System on all wells
MW-17	2/28/2011	989.53	12.20	977.33	DPE System on all wells
MW-17	3/7/2011	989.53	12.41	977.12	DPE System on all wells
MW-17	3/18/2011	989.53	12.44	977.09	DPE System on all wells
MW-17	3/23/2011	989.53	11.41	978.12	DPE System on all wells
MW-17	4/22/2011	989.53	11.64	977.89	DPE System on all wells
MW-17	5/19/2011	989.53	11.96	977.57	DPE System on all wells
MW-17	6/16/2011	989.53	12.21	977.32	DPE System on all wells
MW-17	7/25/2011	989.53	12.02	977.51	DPE System on all wells
MW-17	8/28/2011	989.53	13.41	976.12	DPE System on all wells
MW-17	9/29/2011	989.53	13.04	976.49	DPE-1,2,3,4
MW-17	10/18/2011	989.53	12.66	976.87	DPE-1,2,3,4
MW-17	10/27/2011	989.53	13.08	976.45	DPE-1,2,3,4
MW-17	11/21/2011	989.53	13.48	976.05	DPE-1,2,3,4
MW-17	1/20/2012	989.53	13.72	975.81	DPE-1,2,3,4
MW-17	1/27/2012	989.53	13.99	975.54	DPE-1,2,3,4
MW-17	2/16/2012	989.53	14.04	975.49	DPE-1,2,3,4
MW-17	3/16/2012	989.53	14.11	975.42	DPE-1,2,3,4
MW-17	3/27/2012	989.53	13.59	975.94	DPE-1,2,3,4
MW-17	4/17/2012	989.53	13.83	975.70	DPE-1,2,3,4
MW-17	5/17/2012	989.53	13.91	975.62	DPE-1,2,3,4
MW-17	5/31/2012	989.53	13.99	975.54	DPE-1,2,3,4
MW-17	6/14/2012	989.53	14.48	975.05	DPE-1,2,3,4
MW-17	7/19/2012	989.53	15.29	974.24	DPE-3
MW-17	8/23/2012	989.53	14.68	974.85	DPE-3
MW-17	9/26/2012	989.53	14.88	974.65	DPE-3
MW-17	10/26/2012	989.53	14.68	974.85	DPE-3
MW-17	12/19/2012	989.53	13.86	975.67	DPE-3; Before restarting the system
MW-17	12/21/2012	989.53	14.21	975.32	DPE-3; After restarting the system
MW-17	1/30/2013	989.53	13.92	975.61	DPE-1,2,3,4
MW-17	2/26/2013	989.53	14.28	975.25	DPE-1,2,3,4
MW-17	3/21/2013	989.53	14.30	975.23	DPE-1,2,3,4
MW-17	5/23/2013	989.53	10.19	979.34	DPE-1,2,3,4
MW-17	6/26/2013	989.53	10.71	978.82	DPE-1,2,3,4
MW-17	8/26/2013	989.53	12.56	976.97	DPE-1,2,3,4
MW-17	12/10/2013	989.53	12.70	976.83	System Off
MW-17	2/17/2014	989.53	12.86	976.67	System Off
MW-17	4/20/2014	989.53	11.84	977.69	System Off
MW-17	8/21/2014	989.53	13.13	976.40	System Off
MW-17	11/19/2014	989.53	12.13	977.40	System Off
MW-17	2/25/2015	989.53	12.89	976.64	System Off
MW-17	6/15/2015	989.53	11.91	977.62	System Off
MW-17	8/17/2015	989.53	13.08	976.45	System Off
MW-17	9/10/2015	989.53	12.82	976.71	System Off
MW-17	10/12/2015	989.53	13.07	976.46	System Off
MW-17	12/14/2015	989.53	12.39	977.14	DPE System on all wells
MW-17	1/11/2016	989.53	12.25	977.28	DPE System on all wells
MW-17	2/23/2016	989.53	11.92	977.61	DPE System on all wells
MW-17	4/20/2016	989.53	11.44	978.09	DPE System on all wells
MW-17	5/17/2016	989.53	11.31	978.22	DPE System on all wells
MW-17	8/10/2016	989.53	12.05	977.48	DPE System on all wells
MW-17	11/29/2016	989.53	10.44	979.09	DPE System Off
MW-17	1/30/2017	989.53	10.68	978.85	DPE System Off
MW-17	2/28/2017	989.53	10.55	978.98	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-18	12/3/2008	989.50	13.82	975.68	pre-system installation
MW-18	6/8/2009	989.50	14.22	975.28	pre-system startup
MW-18	7/9/2009	989.50	16.61	972.89	DPE system on DPE-1
MW-18	7/9/2009	989.50	15.61	973.89	DPE system temporarily off
MW-18	9/4/2009	989.50	15.37	974.13	DPE system on
MW-18	9/4/2009	989.50	15.38	974.12	DPE system on after replacing inlet screen
MW-18	9/4/2009	989.50	15.40	974.10	DPE system on after replacing inlet filter
MW-18	10/15/2009	989.50	15.18	974.32	DPE system on DPE-1
MW-18	10/23/2009	989.50	14.28	975.22	DPE system off
MW-18	11/16/2009	989.50	13.83	975.67	DPE System on all wells
MW-18	12/17/2009	989.50	13.85	975.65	DPE System on all wells
MW-18	1/14/2010	989.50	13.96	975.54	DPE System on all wells
MW-18	2/22/2010	989.50	15.49	974.01	DPE System on all wells
MW-18	3/25/2010	989.50	13.24	976.26	DPE System on all wells
MW-18	4/16/2010	989.50	13.83	975.67	DPE System on all wells
MW-18	5/12/2010	989.50	14.60	974.90	DPE System on all wells
MW-18	6/17/2010	989.50	15.14	974.36	DPE System on all wells
MW-18	8/18/2010	989.50	16.53	972.97	DPE System on all wells
MW-18	9/27/2010	989.50	13.79	975.71	DPE System on all wells
MW-18	11/18/2010	989.50	13.54	975.96	DPE System not operating
MW-18	12/22/2010	989.50	13.20	976.30	DPE System restarted
MW-18	1/6/2011	989.50	13.03	976.47	DPE System on all wells
MW-18	1/20/2011	989.50	12.88	976.62	DPE System on all wells
MW-18	2/28/2011	989.50	12.79	976.71	DPE System on all wells
MW-18	3/7/2011	989.50	13.21	976.29	DPE System on all wells
MW-18	3/18/2011	989.50	12.99	976.51	DPE System on all wells
MW-18	3/23/2011	989.50	12.08	977.42	DPE System on all wells
MW-18	4/22/2011	989.50	12.27	977.23	DPE System on all wells
MW-18	5/19/2011	989.50	12.80	976.70	DPE System on all wells
MW-18	6/16/2011	989.50	13.19	976.31	DPE System on all wells
MW-18	7/25/2011	989.50	13.00	976.50	DPE System on all wells
MW-18	8/28/2011	989.50	14.52	974.98	DPE System on all wells
MW-18	9/29/2011	989.50	13.67	975.83	DPE-1,2,3,4
MW-18	10/18/2011	989.50	13.44	976.06	DPE-1,2,3,4
MW-18	10/27/2011	989.50	13.56	975.94	DPE-1,2,3,4
MW-18	11/21/2011	989.50	13.88	975.62	DPE-1,2,3,4
MW-18	1/20/2012	989.50	14.42	975.08	DPE-1,2,3,4
MW-18	1/27/2012	989.50	14.53	974.97	DPE-1,2,3,4
MW-18	2/16/2012	989.50	14.63	974.87	DPE-1,2,3,4
MW-18	3/16/2012	989.50	14.71	974.79	DPE-1,2,3,4
MW-18	3/27/2012	989.50	14.22	975.28	DPE-1,2,3,4
MW-18	4/17/2012	989.50	14.26	975.24	DPE-1,2,3,4
MW-18	5/17/2012	989.50	14.88	974.62	DPE-1,2,3,4
MW-18	5/31/2012	989.50	14.96	974.54	DPE-1,2,3,4
MW-18	6/14/2012	989.50	15.47	974.03	DPE-1,2,3,4
MW-18	7/19/2012	989.50	16.70	972.80	DPE-3
MW-18	8/23/2012	989.50	16.02	973.48	DPE-3
MW-18	9/26/2012	989.50	16.06	973.44	DPE-3
MW-18	10/26/2012	989.50	15.82	973.68	DPE-3
MW-18	12/19/2012	989.50	14.53	974.97	DPE-3; Before restarting the system
MW-18	12/21/2012	989.50	14.80	974.70	DPE-3; After restarting the system
MW-18	1/30/2013	989.50	14.25	975.25	DPE-1,2,3,4
MW-18	2/26/2013	989.50	14.84	974.66	DPE-1,2,3,4
MW-18	3/21/2013	989.50	14.83	974.67	DPE-1,2,3,4
MW-18	5/23/2013	989.50	11.09	978.41	DPE-1,2,3,4
MW-18	6/26/2013	989.50	11.34	978.16	DPE-1,2,3,4
MW-18	8/26/2013	989.50	13.39	976.11	DPE-1,2,3,4
MW-18	12/10/2013	989.50	13.38	976.12	System Off
MW-18	2/17/2014	989.50	13.35	976.15	System Off
MW-18	4/20/2014	989.50	12.62	976.88	System Off
MW-18	8/21/2014	989.50	14.10	975.40	System Off
MW-18	11/19/2014	989.50	12.88	976.62	System Off
MW-18	2/25/2015	989.50	13.35	976.15	System Off
MW-18	6/15/2015	989.50	12.27	977.23	System Off
MW-18	8/17/2015	989.50	14.08	975.42	System Off
MW-18	9/10/2015	989.50	13.81	975.69	System Off
MW-18	10/12/2015	989.50	13.49	976.01	System Off
MW-18	12/14/2015	989.50	12.94	976.56	DPE System on all wells
MW-18	1/11/2016	989.50	12.64	976.86	DPE System on all wells
MW-18	2/23/2016	989.50	12.20	977.30	DPE System on all wells
MW-18	4/20/2016	989.50	11.67	977.83	DPE System on all wells
MW-18	5/17/2016	989.50	11.26	978.24	DPE System on all wells
MW-18	8/10/2016	989.50	12.55	976.95	DPE System on all wells
MW-18	11/29/2016	989.50	10.41	979.09	DPE System Off
MW-18	1/30/2017	989.50	10.75	978.75	DPE System Off
MW-18	2/28/2017	989.50	10.62	978.88	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-19	12/3/2008	991.13	12.45	978.68	pre-system installation
MW-19	6/8/2009	991.13	13.40	977.73	pre-system startup
MW-19	7/9/2009	991.13	14.75	976.38	DPE system on DPE-1
MW-19	7/9/2009	991.13	14.58	976.55	DPE system temporarily off
MW-19	9/4/2009	991.13	14.68	976.45	DPE system on
MW-19	9/4/2009	991.13	14.61	976.52	DPE system on after replacing inlet screen
MW-19	9/4/2009	991.13	14.66	976.47	DPE system on after replacing inlet filter
MW-19	10/15/2009	991.13	14.47	976.66	DPE system on DPE-1
MW-19	10/23/2009	991.13	13.28	977.85	DPE system off
MW-19	11/16/2009	991.13	12.85	978.28	DPE System on all wells
MW-19	12/17/2009	991.13	13.69	977.44	DPE System on all wells
MW-19	1/14/2010	991.13	13.78	977.35	DPE System on all wells
MW-19	2/22/2010	991.13	14.62	976.51	DPE System on all wells
MW-19	3/25/2010	991.13	13.81	977.32	DPE System on all wells
MW-19	4/16/2010	991.13	14.21	976.92	DPE System on all wells
MW-19	5/12/2010	991.13	14.84	976.29	DPE System on all wells
MW-19	6/17/2010	991.13	15.01	976.12	DPE System on all wells
MW-19	8/18/2010	991.13	15.71	975.42	DPE System on all wells
MW-19	9/27/2010	991.13	12.94	978.19	DPE System on all wells
MW-19	11/18/2010	991.13	13.26	977.87	DPE System not operating
MW-19	12/22/2010	991.13	13.69	977.44	DPE System restarted
MW-19	1/6/2011	991.13	13.06	978.07	DPE System on all wells
MW-19	1/20/2011	991.13	13.41	977.72	DPE System on all wells
MW-19	2/28/2011	991.13	13.92	977.21	DPE System on all wells
MW-19	3/7/2011	991.13	13.18	977.95	DPE System on all wells
MW-19	3/18/2011	991.13	13.56	977.57	DPE System on all wells
MW-19	3/23/2011	991.13	12.09	979.04	DPE System on all wells
MW-19	4/22/2011	991.13	12.42	978.71	DPE System on all wells
MW-19	5/19/2011	991.13	12.84	978.29	DPE System on all wells
MW-19	6/16/2011	991.13	13.05	978.08	DPE System on all wells
MW-19	7/25/2011	991.13	12.42	978.71	DPE System on all wells
MW-19	8/28/2011	991.13	14.29	976.84	DPE System on all wells
MW-19	9/29/2011	991.13	14.05	977.08	DPE-1,2,3,4
MW-19	10/18/2011	991.13	13.33	977.80	DPE-1,2,3,4
MW-19	10/27/2011	991.13	14.32	976.81	DPE-1,2,3,4
MW-19	11/21/2011	991.13	14.74	976.39	DPE-1,2,3,4
MW-19	1/20/2012	991.13	14.76	976.37	DPE-1,2,3,4
MW-19	1/27/2012	991.13	15.43	975.70	DPE-1,2,3,4
MW-19	2/16/2012	991.13	15.46	975.67	DPE-1,2,3,4
MW-19	3/16/2012	991.13	15.59	975.54	DPE-1,2,3,4
MW-19	3/27/2012	991.13	14.60	976.53	DPE-1,2,3,4
MW-19	4/17/2012	991.13	15.37	975.76	DPE-1,2,3,4
MW-19	5/17/2012	991.13	15.03	976.10	DPE-1,2,3,4
MW-19	5/31/2012	991.13	14.79	976.34	DPE-1,2,3,4
MW-19	6/14/2012	991.13	15.56	975.57	DPE-1,2,3,4
MW-19	7/19/2012	991.13	16.06	975.07	DPE-3
MW-19	8/23/2012	991.13	15.38	975.75	DPE-3
MW-19	9/26/2012	991.13	15.77	975.36	DPE-3
MW-19	10/26/2012	991.13	15.89	975.24	DPE-3
MW-19	12/19/2012	991.13	14.91	976.22	DPE-3; Before restarting the system
MW-19	12/21/2012	991.13	15.32	975.81	DPE-3; After restarting the system
MW-19	1/30/2013	991.13	15.39	975.74	DPE-1,2,3,4
MW-19	2/26/2013	991.13	15.78	975.35	DPE-1,2,3,4
MW-19	3/21/2013	991.13	15.70	975.43	DPE-1,2,3,4
MW-19	5/23/2013	991.13	9.74	981.39	DPE-1,2,3,4
MW-19	6/26/2013	991.13	10.93	980.20	DPE-1,2,3,4
MW-19	8/26/2013	991.13	12.82	978.31	DPE-1,2,3,4
MW-19	12/10/2013	991.13	13.13	978.00	System Off
MW-19	2/17/2014	991.13	13.98	977.15	System Off
MW-19	4/20/2014	991.13	12.52	978.61	System Off
MW-19	8/21/2014	991.13	14.11	977.02	System Off
MW-19	11/19/2014	991.13	13.11	978.02	System Off
MW-19	2/25/2015	991.13	14.04	977.09	System Off
MW-19	6/15/2015	991.13	12.56	978.57	System Off
MW-19	8/17/2015	991.13	13.88	977.25	System Off
MW-19	9/10/2015	991.13	13.58	977.55	System Off
MW-19	10/12/2015	991.13	14.41	976.72	System Off
MW-19	12/14/2015	991.13	13.10	978.03	DPE System on all wells
MW-19	1/11/2016	991.13	13.63	977.50	DPE System on all wells
MW-19	2/23/2016	991.13	13.10	978.03	DPE System on all wells
MW-19	4/20/2016	991.13	12.77	978.36	DPE System on all wells
MW-19	5/17/2016	991.13	12.50	978.63	DPE System on all wells
MW-19	8/10/2016	991.13	13.03	978.10	DPE System on all wells
MW-19	11/29/2016	991.13	10.57	980.56	DPE System Off
MW-19	1/30/2017	991.13	10.99	980.14	DPE System Off
MW-19	2/28/2017	991.13	10.82	980.31	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-20	12/3/2008	991.50	12.40	979.10	pre-system installation
MW-20	6/8/2009	991.50	11.93	979.57	pre-system startup
MW-20	7/9/2009	991.50	12.19	979.31	DPE system on DPE-1
MW-20	7/9/2009	991.50	12.24	979.26	DPE system temporarily off
MW-20	9/4/2009	991.50	12.53	978.97	DPE system on
MW-20	9/4/2009	991.50	12.47	979.03	DPE system on after replacing inlet screen
MW-20	9/4/2009	991.50	12.49	979.01	DPE system on after replacing inlet filter
MW-20	10/15/2009	991.50	12.16	979.34	DPE system on DPE-1
MW-20	10/23/2009	991.50	11.33	980.17	DPE system off
MW-20	11/16/2009	991.50	11.02	980.48	DPE System on all wells
MW-20	12/17/2009	991.50	12.31	979.19	DPE System on all wells
MW-20	1/14/2010	991.50	12.34	979.16	DPE System on all wells
MW-20	2/22/2010	991.50	12.78	978.72	DPE System on all wells
MW-20	3/25/2010	991.50	12.54	978.96	DPE System on all wells
MW-20	4/16/2010	991.50	12.76	978.74	DPE System on all wells
MW-20	5/12/2010	991.50	13.18	978.32	DPE System on all wells
MW-20	6/17/2010	991.50	12.99	978.51	DPE System on all wells
MW-20	8/18/2010	991.50	12.71	978.79	DPE System on all wells
MW-20	9/27/2010	991.50	10.17	981.33	DPE System on all wells
MW-20	11/18/2010	991.50	11.68	979.82	DPE System not operating
MW-20	12/22/2010	991.50	12.15	979.35	DPE System restarted
MW-20	1/6/2011	991.50	11.99	979.51	DPE System on all wells
MW-20	1/20/2011	991.50	12.45	979.05	DPE System on all wells
MW-20	2/28/2011	991.50	12.69	978.81	DPE System on all wells
MW-20	3/7/2011	991.50	12.26	979.24	DPE System on all wells
MW-20	3/18/2011	991.50	12.62	978.88	DPE System on all wells
MW-20	3/23/2011	991.50	11.19	980.31	DPE System on all wells
MW-20	4/22/2011	991.50	11.22	980.28	DPE System on all wells
MW-20	5/19/2011	991.50	11.26	980.24	DPE System on all wells
MW-20	6/16/2011	991.50	11.69	979.81	DPE System on all wells
MW-20	7/25/2011	991.50	10.13	981.37	DPE System on all wells
MW-20	8/28/2011	991.50	12.32	979.18	DPE System on all wells
MW-20	9/29/2011	991.50	12.48	979.02	DPE-1,2,3,4
MW-20	10/18/2011	991.50	12.31	979.19	DPE-1,2,3,4
MW-20	10/27/2011	991.50	12.98	978.52	DPE-1,2,3,4
MW-20	11/21/2011	991.50	13.46	978.04	DPE-1,2,3,4
MW-20	1/20/2012	991.50	13.71	977.79	DPE-1,2,3,4
MW-20	1/27/2012	991.50	13.96	977.54	DPE-1,2,3,4
MW-20	2/16/2012	991.50	14.08	977.42	DPE-1,2,3,4
MW-20	3/16/2012	991.50	14.20	977.30	DPE-1,2,3,4
MW-20	3/27/2012	991.50	13.64	977.86	DPE-1,2,3,4
MW-20	4/17/2012	991.50	14.03	977.47	DPE-1,2,3,4
MW-20	5/17/2012	991.50	13.59	977.91	DPE-1,2,3,4
MW-20	5/31/2012	991.50	13.38	978.12	DPE-1,2,3,4
MW-20	6/14/2012	991.50	13.81	977.69	DPE-1,2,3,4
MW-20	7/19/2012	991.50	13.71	977.79	DPE-3
MW-20	8/23/2012	991.50	13.13	978.37	DPE-3
MW-20	9/26/2012	991.50	13.88	977.62	DPE-3
MW-20	10/26/2012	991.50	14.09	977.41	DPE-3
MW-20	12/19/2012	991.50	13.79	977.71	DPE-3; Before restarting the system
MW-20	12/21/2012	991.50	13.84	977.66	DPE-3; After restarting the system
MW-20	1/30/2013	991.50	14.09	977.41	DPE-1,2,3,4
MW-20	2/26/2013	991.50	14.26	977.24	DPE-1,2,3,4
MW-20	3/21/2013	991.50	13.83	977.67	DPE-1,2,3,4
MW-20	5/23/2013	991.50	7.39	984.11	DPE-1,2,3,4
MW-20	6/26/2013	991.50	9.62	981.88	DPE-1,2,3,4
MW-20	8/26/2013	991.50	11.70	979.80	DPE-1,2,3,4
MW-20	12/10/2013	991.50	12.71	978.79	System Off
MW-20	2/17/2014	991.50	13.33	978.17	System Off
MW-20	4/20/2014	991.50	10.94	980.56	System Off
MW-20	8/21/2014	991.50	12.06	979.44	System Off
MW-20	11/19/2014	991.50	12.22	979.28	System Off
MW-20	2/25/2015	991.50	13.30	978.20	System Off
MW-20	6/15/2015	991.50	10.92	980.58	System Off
MW-20	8/17/2015	991.50	12.32	979.18	System Off
MW-20	9/10/2015	991.50	11.75	979.75	System Off
MW-20	10/12/2015	991.50	13.01	978.49	System Off
MW-20	12/14/2015	991.50	12.41	979.09	DPE System on all wells
MW-20	1/11/2016	991.50	12.56	978.94	DPE System on all wells
MW-20	2/23/2016	991.50	12.55	978.95	DPE System on all wells
MW-20	4/20/2016	991.50	11.97	979.53	DPE System on all wells
MW-20	5/17/2016	991.50	11.51	979.99	DPE System on all wells
MW-20	8/10/2016	991.50	11.41	980.09	DPE System on all wells
MW-20	11/29/2016	991.50	8.32	983.18	DPE System Off
MW-20	1/30/2017	991.50	8.17	983.33	DPE System Off
MW-20	2/28/2017	991.50	8.65	982.85	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-1	12/3/2008	991.46	13.66	977.80	pre-system installation
DPE-1	6/8/2009	992.40	18.78	973.62	pre-system startup
DPE-1	7/9/2009	992.40	20.51	971.89	DPE system on DPE-1
DPE-1	7/9/2009	992.40	16.38	976.02	DPE system temporarily off
DPE-1	9/4/2009	992.40	NR		DPE system on DPE-1
DPE-1	9/4/2009	992.40	NR		DPE-1 on after replacing inlet screen
DPE-1	9/4/2009	992.40	17.86	974.54	DPE-1 on after replacing inlet filter
DPE-1	10/15/2009	992.40	NR		DPE system on DPE-1
DPE-1	10/23/2009	992.40	14.88	977.52	DPE system off
DPE-1	11/16/2009	992.40	14.45	977.95	DPE System on all wells
DPE-1	12/17/2009	992.40	15.13	977.27	DPE System on all wells
DPE-1	1/14/2010	992.40	15.53	976.87	DPE System on all wells
DPE-1	2/22/2010	992.40	12.22	980.18	DPE System on all wells
DPE-1	3/25/2010	992.40	15.72	976.68	DPE System on all wells
DPE-1	4/16/2010	992.40	15.88	976.52	DPE System on all wells
DPE-1	5/12/2010	992.40	16.48	975.92	DPE System on all wells
DPE-1	6/17/2010	992.40	16.62	975.78	DPE System on all wells
DPE-1	8/18/2010	992.40	16.80	975.60	DPE System on all wells
DPE-1	9/27/2010	992.40	14.60	977.80	DPE System on all wells
DPE-1	11/18/2010	992.40	14.99	977.41	DPE System not operating
DPE-1	12/22/2010	992.40	15.72	976.68	DPE System restarted
DPE-1	1/6/2011	992.40	14.04	978.36	DPE System on all wells
DPE-1	1/20/2011	992.40	16.80	975.60	DPE System on all wells
DPE-1	2/28/2011	992.40	15.33	977.07	DPE System on all wells
DPE-1	3/7/2011	992.40	17.27	975.13	DPE System on all wells
DPE-1	3/18/2011	992.40	17.80	974.60	DPE System on all wells
DPE-1	3/23/2011	992.40	15.92	976.48	DPE System on all wells
DPE-1	4/22/2011	992.40	16.61	975.79	DPE System on all wells
DPE-1	5/19/2011	992.40	14.59	977.81	DPE System on all wells
DPE-1	6/16/2011	992.40	15.12	977.28	DPE System on all wells
DPE-1	7/25/2011	992.40	14.35	978.05	DPE System on all wells
DPE-1	8/28/2011	992.40	13.04	979.36	DPE System on all wells. Appears to be a data outlier.
DPE-1	9/29/2011	992.40	15.89	976.51	DPE-1,2,3,4
DPE-1	10/18/2011	992.40	14.89	977.51	DPE-1,2,3,4
DPE-1	10/27/2011	992.40	16.65	975.75	DPE-1,2,3,4
DPE-1	11/21/2011	992.40	17.40	975.00	DPE-1,2,3,4
DPE-1	1/20/2012	992.40	15.39	977.01	DPE-1,2,3,4
DPE-1	1/27/2012	992.40	17.19	975.21	DPE-1,2,3,4
DPE-1	2/16/2012	992.40	18.28	974.12	DPE-1,2,3,4
DPE-1	3/16/2012	992.40	19.30	973.10	DPE-1,2,3,4
DPE-1	3/27/2012	992.40	17.95	974.45	DPE-1,2,3,4
DPE-1	4/17/2012	992.40	16.67	975.73	DPE-1,2,3,4
DPE-1	5/17/2012	992.40	16.93	975.47	DPE-1,2,3,4
DPE-1	5/31/2012	992.40	15.79	976.61	DPE-1,2,3,4
DPE-1	6/14/2012	992.40	17.05	975.35	DPE-1,2,3,4
DPE-1	7/19/2012	992.40	17.54	974.86	DPE-3
DPE-1	8/23/2012	992.40	16.68	975.72	DPE-3
DPE-1	9/26/2012	992.40	16.41	975.99	DPE-3
DPE-1	10/26/2012	992.40	16.75	975.65	DPE-3
DPE-1	12/19/2012	992.40	15.84	976.56	DPE-3; Before restarting the system
DPE-1	12/21/2012	992.40	21.82	970.58	DPE-3; After restarting the system
DPE-1	1/30/2013	992.40	17.86	974.54	DPE-1,2,3,4
DPE-1	2/26/2013	992.40	16.94	975.46	DPE-1,2,3,4
DPE-1	3/21/2013	992.40	18.40	974.00	DPE-1,2,3,4
DPE-1	5/23/2013	992.40	11.34	981.06	DPE-1,2,3,4
DPE-1	6/26/2013	992.40	13.84	978.56	DPE-1,2,3,4
DPE-1	8/26/2013	992.40	15.68	976.72	DPE-1,2,3,4
DPE-1	12/10/2013	992.40	14.40	978.00	System Off
DPE-1	2/17/2014	992.40	14.90	977.50	System Off
DPE-1	4/20/2014	992.40	13.54	978.86	System Off
DPE-1	8/21/2014	992.40	15.80	976.60	System Off
DPE-1	11/19/2014	992.40	14.06	978.34	System Off
DPE-1	2/25/2015	992.40	14.84	977.56	System Off
DPE-1	6/15/2015	992.40	15.58	976.82	System Off
DPE-1	8/17/2015	992.40	17.06	975.34	System Off
DPE-1	9/10/2015	992.40	16.83	975.57	System Off
DPE-1	10/12/2015	992.40	16.30	976.10	System Off
DPE-1	12/14/2015	992.40	14.55	977.85	DPE System on all wells
DPE-1	1/11/2016	992.40	15.79	976.61	DPE System on all wells
DPE-1	2/23/2016	992.40	13.98	978.42	DPE System on all wells
DPE-1	4/20/2016	992.40	14.15	978.25	DPE System on all wells
DPE-1	5/17/2016	992.40	13.80	978.60	DPE System on all wells
DPE-1	8/10/2016	992.40	15.15	977.25	DPE System on all wells
DPE-1	11/29/2016	992.40	9.92	982.48	DPE System Off
DPE-1	1/30/2017	992.40	11.96	980.44	DPE System Off
DPE-1	2/28/2017	992.40	11.97	980.43	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-2	12/3/2008	991.46	13.60	977.86	pre-system installation
DPE-2	6/8/2009	992.80	17.45	975.35	pre-system startup
DPE-2	7/9/2009	992.80	17.61	975.19	DPE system on DPE-1
DPE-2	7/9/2009	992.80	16.83	975.97	DPE system temporarily off
DPE-2	9/4/2009	992.80	17.18	975.62	DPE system on DPE-1
DPE-2	9/4/2009	992.80	17.26	975.54	DPE-1 on after replacing inlet screen
DPE-2	9/4/2009	992.80	17.54	975.26	DPE-1 on after replacing inlet filter
DPE-2	10/15/2009	992.80	16.96	975.84	DPE system on DPE-1
DPE-2	10/23/2009	992.80	15.53	977.27	DPE system off
DPE-2	11/16/2009	992.80	15.19	977.61	DPE System on all wells
DPE-2	12/17/2009	992.80	15.69	977.11	DPE System on all wells
DPE-2	1/14/2010	992.80	16.04	976.76	DPE System on all wells
DPE-2	2/22/2010	992.80	14.19	978.61	DPE System on all wells
DPE-2	3/25/2010	992.80	15.50	977.30	DPE System on all wells
DPE-2	4/16/2010	992.80	16.31	976.49	DPE System on all wells
DPE-2	5/12/2010	992.80	16.31	976.49	DPE System on all wells
DPE-2	6/17/2010	992.80	17.09	975.71	DPE System on all wells
DPE-2	8/18/2010	992.80	17.58	975.22	DPE System on all wells
DPE-2	9/27/2010	992.80	14.92	977.88	DPE System on all wells
DPE-2	11/18/2010	992.80	14.79	978.01	DPE System not operating
DPE-2	12/22/2010	992.80	15.72	977.08	DPE System restarted
DPE-2	1/6/2011	992.80	14.42	978.38	DPE System on all wells
DPE-2	1/20/2011	992.80	14.98	977.82	DPE System on all wells
DPE-2	2/28/2011	992.80	14.88	977.92	DPE System on all wells
DPE-2	3/7/2011	992.80	15.22	977.58	DPE System on all wells
DPE-2	3/18/2011	992.80	15.41	977.39	DPE System on all wells
DPE-2	3/23/2011	992.80	13.62	979.18	DPE System on all wells
DPE-2	4/22/2011	992.80	14.51	978.29	DPE System on all wells
DPE-2	5/19/2011	992.80	14.78	978.02	DPE System on all wells
DPE-2	6/16/2011	992.80	15.00	977.80	DPE System on all wells
DPE-2	7/25/2011	992.80	14.83	977.97	DPE System on all wells
DPE-2	8/28/2011	992.80	17.81	974.99	DPE System on all wells
DPE-2	9/29/2011	992.80	15.78	977.02	DPE-1,2,3,4
DPE-2	10/18/2011	992.80	14.78	978.02	DPE-1,2,3,4
DPE-2	10/27/2011	992.80	15.94	976.86	DPE-1,2,3,4
DPE-2	11/21/2011	992.80	16.49	976.31	DPE-1,2,3,4
DPE-2	1/20/2012	992.80	15.94	976.86	DPE-1,2,3,4
DPE-2	1/27/2012	992.80	16.98	975.82	DPE-1,2,3,4
DPE-2	2/16/2012	992.80	17.06	975.74	DPE-1,2,3,4
DPE-2	3/16/2012	992.80	17.04	975.76	DPE-1,2,3,4
DPE-2	3/27/2012	992.80	16.29	976.51	DPE-1,2,3,4
DPE-2	4/17/2012	992.80	16.76	976.04	DPE-1,2,3,4
DPE-2	5/17/2012	992.80	16.63	976.17	DPE-1,2,3,4
DPE-2	5/31/2012	992.80	16.34	976.46	DPE-1,2,3,4
DPE-2	6/14/2012	992.80	17.10	975.70	DPE-1,2,3,4
DPE-2	7/19/2012	992.80	17.79	975.01	DPE-3
DPE-2	8/23/2012	992.80	16.90	975.90	DPE-3
DPE-2	9/26/2012	992.80	16.99	975.81	DPE-3
DPE-2	10/26/2012	992.80	17.01	975.79	DPE-3
DPE-2	12/19/2012	992.80	16.13	976.67	DPE-3; Before restarting the system
DPE-2	12/21/2012	992.80	18.80	974.00	DPE-3; After restarting the system
DPE-2	1/30/2013	992.80	17.41	975.39	DPE-1,2,3,4
DPE-2	2/26/2013	992.80	17.20	975.60	DPE-1,2,3,4
DPE-2	3/21/2013	992.80	17.33	975.47	DPE-1,2,3,4
DPE-2	5/23/2013	992.80	12.15	980.65	DPE-1,2,3,4
DPE-2	6/26/2013	992.80	13.81	978.99	DPE-1,2,3,4
DPE-2	8/26/2013	992.80	15.42	977.38	DPE-1,2,3,4
DPE-2	12/10/2013	992.80	14.90	977.90	System Off
DPE-2	2/17/2014	992.80	15.14	977.66	System Off
DPE-2	4/20/2014	992.80	13.96	978.84	System Off
DPE-2	8/21/2014	992.80	15.56	977.24	System Off
DPE-2	11/19/2014	992.80	14.41	978.39	System Off
DPE-2	2/25/2015	992.80	15.24	977.56	System Off
DPE-2	6/15/2015	992.80	13.69	979.11	System Off
DPE-2	8/17/2015	992.80	15.19	977.61	System Off
DPE-2	9/10/2015	992.80	15.05	977.75	System Off
DPE-2	10/12/2015	992.80	16.44	976.36	System Off
DPE-2	12/14/2015	992.80	14.71	978.09	DPE System on all wells
DPE-2	1/11/2016	992.80	14.91	977.89	DPE System on all wells
DPE-2	2/23/2016	992.80	14.29	978.51	DPE System on all wells
DPE-2	4/20/2016	992.80	14.34	978.46	DPE System on all wells
DPE-2	5/17/2016	992.80	14.42	978.38	DPE System on all wells
DPE-2	8/10/2016	992.80	15.12	977.68	DPE System on all wells
DPE-2	11/29/2016	992.80	10.91	981.89	DPE System Off
DPE-2	1/30/2017	992.80	10.93	981.87	DPE System Off
DPE-2	2/28/2017	992.80	10.22	982.58	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-3	12/3/2008	991.50	10.30	981.20	pre-system installation
DPE-3	6/8/2009	992.48	13.64	978.84	pre-system startup
DPE-3	7/9/2009	992.48	13.98	978.50	DPE system on DPE-1
DPE-3	7/9/2009	992.48	14.06	978.42	DPE system temporarily off
DPE-3	9/4/2009	992.48	14.48	978.00	DPE system on DPE-1
DPE-3	9/4/2009	992.48	14.49	977.99	DPE-1 on after replacing inlet screen
DPE-3	9/4/2009	992.48	14.50	977.98	DPE-1 on after replacing inlet filter
DPE-3	10/15/2009	992.48	14.87	977.61	DPE system on DPE-1
DPE-3	10/23/2009	992.48	14.76	977.72	DPE system off
DPE-3	11/16/2009	992.48	14.59	977.89	DPE System on all wells
DPE-3	12/17/2009	992.48	15.28	977.20	DPE System on all wells
DPE-3	1/14/2010	992.48	16.52	975.96	DPE System on all wells
DPE-3	2/22/2010	992.48	15.29	977.19	DPE System on all wells
DPE-3	3/25/2010	992.48	15.68	976.80	DPE System on all wells
DPE-3	4/16/2010	992.48	15.80	976.68	DPE System on all wells
DPE-3	5/12/2010	992.48	16.26	976.22	DPE System on all wells
DPE-3	6/17/2010	992.48	16.43	976.05	DPE System on all wells
DPE-3	8/18/2010	992.48	17.20	975.28	DPE System on all wells
DPE-3	9/27/2010	992.48	14.29	978.19	DPE System on all wells
DPE-3	11/18/2010	992.48	14.62	977.86	DPE System not operating
DPE-3	12/22/2010	992.48	15.62	976.86	DPE System restarted
DPE-3	1/6/2011	992.48	14.50	977.98	DPE System on all wells
DPE-3	1/20/2011	992.48	14.99	977.49	DPE System on all wells
DPE-3	2/28/2011	992.48	15.22	977.26	DPE System on all wells
DPE-3	3/7/2011	992.48	15.20	977.28	DPE System on all wells
DPE-3	3/18/2011	992.48	15.57	976.91	DPE System on all wells
DPE-3	3/23/2011	992.48	13.88	978.60	DPE System on all wells
DPE-3	4/22/2011	992.48	14.51	977.97	DPE System on all wells
DPE-3	5/19/2011	992.48	14.96	977.52	DPE System on all wells
DPE-3	6/16/2011	992.48	15.83	976.65	DPE System on all wells
DPE-3	7/25/2011	992.48	14.11	978.37	DPE System on all wells
DPE-3	8/28/2011	992.48	15.88	976.60	DPE System on all wells
DPE-3	9/29/2011	992.48	16.56	975.92	DPE-1,2,3,4
DPE-3	10/18/2011	992.48	14.89	977.59	DPE-1,2,3,4
DPE-3	10/27/2011	992.48	16.82	975.66	DPE-1,2,3,4
DPE-3	11/21/2011	992.48	16.51	975.97	DPE-1,2,3,4
DPE-3	1/20/2012	992.48	16.15	976.33	DPE-1,2,3,4
DPE-3	1/27/2012	992.48	17.60	974.88	DPE-1,2,3,4
DPE-3	2/16/2012	992.48	17.90	974.58	DPE-1,2,3,4
DPE-3	3/16/2012	992.48	17.51	974.97	DPE-1,2,3,4
DPE-3	3/27/2012	992.48	16.38	976.10	DPE-1,2,3,4
DPE-3	4/17/2012	992.48	17.28	975.20	DPE-1,2,3,4
DPE-3	5/17/2012	992.48	17.08	975.40	DPE-1,2,3,4
DPE-3	5/31/2012	992.48	16.82	975.66	DPE-1,2,3,4
DPE-3	6/14/2012	992.48	17.42	975.06	DPE-1,2,3,4
DPE-3	7/19/2012	992.48	16.61	975.87	DPE-3
DPE-3	8/23/2012	992.48	17.20	975.28	DPE-3
DPE-3	9/26/2012	992.48	17.02	975.46	DPE-3
DPE-3	10/26/2012	992.48	17.29	975.19	DPE-3
DPE-3	12/19/2012	992.48	16.36	976.12	DPE-3; Before restarting the system
DPE-3	12/21/2012	992.48	17.56	974.92	DPE-3; After restarting the system
DPE-3	1/30/2013	992.48	18.33	974.15	DPE-1,2,3,4
DPE-3	2/26/2013	992.48	18.14	974.34	DPE-1,2,3,4
DPE-3	3/21/2013	992.48	17.78	974.70	DPE-1,2,3,4
DPE-3	5/23/2013	992.48	11.68	980.80	DPE-1,2,3,4
DPE-3	6/26/2013	992.48	14.99	977.49	DPE-1,2,3,4
DPE-3	8/26/2013	992.48	15.51	976.97	DPE-1,2,3,4
DPE-3	12/10/2013	992.48	14.98	977.50	System Off
DPE-3	2/17/2014	992.48	15.41	977.07	System Off
DPE-3	4/20/2014	992.48	14.00	978.48	System Off
DPE-3	8/21/2014	992.48	15.33	977.15	System Off
DPE-3	11/19/2014	992.48	14.58	977.90	System Off
DPE-3	2/25/2015	992.48	15.41	977.07	System Off
DPE-3	6/15/2015	992.48	13.76	978.72	System Off
DPE-3	8/17/2015	992.48	15.17	977.31	System Off
DPE-3	9/10/2015	992.48	NR		Well taken apart/being fixed
DPE-3	10/12/2015	992.48	16.23	976.25	System Off
DPE-3	12/14/2015	992.48	14.89	977.59	DPE System on all wells
DPE-3	1/11/2016	992.48	15.29	977.19	DPE System on all wells
DPE-3	2/23/2016	992.48	14.40	978.08	DPE System on all wells
DPE-3	4/20/2016	992.48	14.72	977.76	DPE System on all wells
DPE-3	5/17/2016	992.48	14.01	978.47	DPE System on all wells
DPE-3	8/10/2016	992.48	15.03	977.45	DPE System on all wells
DPE-3	11/29/2016	992.48	9.81	982.67	DPE System Off
DPE-3	1/30/2017	992.48	9.58	982.90	DPE System Off
DPE-3	2/28/2017	992.48	8.93	983.55	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-4	12/3/2008	991.39	14.20	977.19	pre-system installation
DPE-4	6/8/2009	992.40	15.30	977.10	pre-system startup
DPE-4	7/9/2009	992.40	16.95	975.45	DPE system on DPE-1
DPE-4	7/9/2009	992.40	16.08	976.32	DPE system temporarily off
DPE-4	9/4/2009	992.40	15.94	976.46	DPE system on DPE-1
DPE-4	9/4/2009	992.40	15.91	976.49	DPE-1 on after replacing inlet screen
DPE-4	9/4/2009	992.40	15.99	976.41	DPE-1 on after replacing inlet filter
DPE-4	10/15/2009	992.40	15.83	976.57	DPE system on DPE-1
DPE-4	10/23/2009	992.40	14.81	977.59	DPE system off
DPE-4	11/16/2009	992.40	14.48	977.92	DPE System on all wells
DPE-4	12/17/2009	992.40	15.44	976.96	DPE System on all wells
DPE-4	1/14/2010	992.40	16.08	976.32	DPE System on all wells
DPE-4	2/22/2010	992.40	16.08	976.32	DPE System on all wells
DPE-4	3/25/2010	992.40	16.22	976.18	DPE System on all wells
DPE-4	4/16/2010	992.40	16.21	976.19	DPE System on all wells
DPE-4	5/12/2010	992.40	16.86	975.54	DPE System on all wells
DPE-4	6/17/2010	992.40	16.83	975.57	DPE System on all wells
DPE-4	8/18/2010	992.40	16.74	975.66	DPE System on all wells
DPE-4	9/27/2010	992.40	14.74	977.66	DPE System on all wells
DPE-4	11/18/2010	992.40	14.93	977.47	DPE System not operating
DPE-4	12/22/2010	992.40	14.89	977.51	DPE System restarted
DPE-4	1/6/2011	992.40	14.61	977.79	DPE System on all wells
DPE-4	1/20/2011	992.40	15.15	977.25	DPE System on all wells
DPE-4	2/28/2011	992.40	15.30	977.10	DPE System on all wells
DPE-4	3/7/2011	992.40	15.62	976.78	DPE System on all wells
DPE-4	3/18/2011	992.40	15.62	976.78	DPE System on all wells
DPE-4	3/23/2011	992.40	14.04	978.36	DPE System on all wells
DPE-4	4/22/2011	992.40	14.64	977.76	DPE System on all wells
DPE-4	5/19/2011	992.40	15.80	976.60	DPE System on all wells
DPE-4	6/16/2011	992.40	15.02	977.38	DPE System on all wells
DPE-4	7/25/2011	992.40	14.49	977.91	DPE System on all wells
DPE-4	8/28/2011	992.40	16.58	975.82	DPE System on all wells
DPE-4	9/29/2011	992.40	16.42	975.98	DPE-1,2,3,4
DPE-4	10/18/2011	992.40	14.98	977.42	DPE-1,2,3,4
DPE-4	10/27/2011	992.40	16.64	975.76	DPE-1,2,3,4
DPE-4	11/21/2011	992.40	17.11	975.29	DPE-1,2,3,4
DPE-4	1/20/2012	992.40	16.08	976.32	DPE-1,2,3,4
DPE-4	1/27/2012	992.40	17.49	974.91	DPE-1,2,3,4
DPE-4	2/16/2012	992.40	17.76	974.64	DPE-1,2,3,4
DPE-4	3/16/2012	992.40	17.70	974.70	DPE-1,2,3,4
DPE-4	3/27/2012	992.40	16.29	976.11	DPE-1,2,3,4
DPE-4	4/17/2012	992.40	17.61	974.79	DPE-1,2,3,4
DPE-4	5/17/2012	992.40	18.44	973.96	DPE-1,2,3,4
DPE-4	5/31/2012	992.40	17.71	974.69	DPE-1,2,3,4
DPE-4	6/14/2012	992.40	18.41	973.99	DPE-1,2,3,4
DPE-4	7/19/2012	992.40	18.08	974.32	DPE-3
DPE-4	8/23/2012	992.40	17.12	975.28	DPE-3
DPE-4	9/26/2012	992.40	17.14	975.26	DPE-3
DPE-4	10/26/2012	992.40	17.24	975.16	DPE-3
DPE-4	12/19/2012	992.40	16.38	976.02	DPE-3; Before restarting the system
DPE-4	12/21/2012	992.40	17.54	974.86	DPE-3; After restarting the system
DPE-4	1/30/2013	992.40	17.73	974.67	DPE-1,2,3,4
DPE-4	2/26/2013	992.40	17.69	974.71	DPE-1,2,3,4
DPE-4	3/21/2013	992.40	17.76	974.64	DPE-1,2,3,4
DPE-4	5/23/2013	992.40	12.22	980.18	DPE-1,2,3,4
DPE-4	6/26/2013	992.40	14.46	977.94	DPE-1,2,3,4
DPE-4	8/26/2013	992.40	15.59	976.81	DPE-1,2,3,4
DPE-4	12/10/2013	992.40	15.07	977.33	System Off
DPE-4	2/17/2014	992.40	15.46	976.94	System Off
DPE-4	4/20/2014	992.40	14.22	978.18	System Off
DPE-4	8/21/2014	992.40	15.44	976.96	System Off
DPE-4	11/19/2014	992.40	14.64	977.76	System Off
DPE-4	2/25/2015	992.40	15.49	976.91	System Off
DPE-4	6/15/2015	992.40	13.94	978.46	System Off
DPE-4	8/17/2015	992.40	15.38	977.02	System Off
DPE-4	9/10/2015	992.40	13.11	979.29	System Off
DPE-4	10/12/2015	992.40	16.29	976.11	System Off
DPE-4	12/14/2015	992.40	14.91	977.49	DPE System on all wells
DPE-4	1/11/2016	992.40	15.17	977.23	DPE System on all wells
DPE-4	2/23/2016	992.40	14.49	977.91	DPE System on all wells
DPE-4	4/20/2016	992.40	14.58	977.82	DPE System on all wells
DPE-4	5/17/2016	992.40	14.23	978.17	DPE System on all wells
DPE-4	8/10/2016	992.40	15.08	977.32	DPE System on all wells
DPE-4	11/29/2016	992.40	9.77	982.63	DPE System Off
DPE-4	1/30/2017	992.40	10.61	981.79	DPE System Off
DPE-4	2/28/2017	992.40	10.21	982.19	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-5	12/3/2008	991.47	12.44	979.03	pre-system installation
DPE-5	6/8/2009	992.46	14.48	977.98	pre-system startup
DPE-5	7/9/2009	992.46	16.28	976.18	DPE system on DPE-1
DPE-5	7/9/2009	992.46	15.31	977.15	DPE system temporarily off
DPE-5	9/4/2009	992.46	15.08	977.38	DPE system on DPE-1
DPE-5	9/4/2009	992.46	15.04	977.42	DPE-1 on after replacing inlet screen
DPE-5	9/4/2009	992.46	15.03	977.43	DPE-1 on after replacing inlet filter
DPE-5	10/15/2009	992.46	14.99	977.47	DPE system on DPE-1
DPE-5	10/23/2009	992.46	13.78	978.68	DPE system off
DPE-5	11/16/2009	992.46	13.43	979.03	DPE System on all wells
DPE-5	12/17/2009	992.46	NR		DPE System on all wells
DPE-5	1/14/2010	992.46	15.00	977.46	DPE System on all wells
DPE-5	2/22/2010	992.46	15.01	977.45	DPE System on all wells
DPE-5	3/25/2010	992.46	16.42	976.04	DPE System on all wells
DPE-5	4/16/2010	992.46	15.54	976.92	DPE System on all wells
DPE-5	5/12/2010	992.46	15.98	976.48	DPE System on all wells
DPE-5	6/17/2010	992.46	17.21	975.25	DPE System on all wells
DPE-5	8/18/2010	992.46	16.55	975.91	DPE System on all wells
DPE-5	9/27/2010	992.46	13.73	978.73	DPE System on all wells
DPE-5	11/18/2010	992.46	14.19	978.27	DPE System not operating
DPE-5	12/22/2010	992.46	15.41	977.05	DPE System restarted
DPE-5	1/6/2011	992.46	14.14	978.32	DPE System on all wells
DPE-5	1/20/2011	992.46	15.38	977.08	DPE System on all wells
DPE-5	2/28/2011	992.46	15.38	977.08	DPE System on all wells
DPE-5	3/7/2011	992.46	16.81	975.65	DPE System on all wells
DPE-5	3/18/2011	992.46	15.03	977.43	DPE System on all wells
DPE-5	3/23/2011	992.46	13.08	979.38	DPE System on all wells
DPE-5	4/22/2011	992.46	16.26	976.20	DPE System on all wells
DPE-5	5/19/2011	992.46	14.32	978.14	DPE System on all wells
DPE-5	6/16/2011	992.46	14.73	977.73	DPE System on all wells
DPE-5	7/25/2011	992.46	13.59	978.87	DPE System on all wells
DPE-5	8/28/2011	992.46	16.28	976.18	DPE System on all wells
DPE-5	9/29/2011	992.46	15.35	977.11	DPE-1,2,3,4
DPE-5	10/18/2011	992.46	14.24	978.22	DPE-1,2,3,4
DPE-5	10/27/2011	992.46	16.46	976.00	DPE-1,2,3,4
DPE-5	11/21/2011	992.46	17.18	975.28	DPE-1,2,3,4
DPE-5	1/20/2012	992.46	15.39	977.07	DPE-1,2,3,4
DPE-5	1/27/2012	992.46	16.44	976.02	DPE-1,2,3,4
DPE-5	2/16/2012	992.46	17.42	975.04	DPE-1,2,3,4
DPE-5	3/16/2012	992.46	17.41	975.05	DPE-1,2,3,4
DPE-5	3/27/2012	992.46	15.62	976.84	DPE-1,2,3,4
DPE-5	4/17/2012	992.46	17.08	975.38	DPE-1,2,3,4
DPE-5	5/17/2012	992.46	16.65	975.81	DPE-1,2,3,4
DPE-5	5/31/2012	992.46	15.58	976.88	DPE-1,2,3,4
DPE-5	6/14/2012	992.46	16.95	975.51	DPE-1,2,3,4
DPE-5	7/19/2012	992.46	17.22	975.24	DPE-3
DPE-5	8/23/2012	992.46	16.22	976.24	DPE-3
DPE-5	9/26/2012	992.46	16.31	976.15	DPE-3
DPE-5	10/26/2012	992.46	16.41	976.05	DPE-3
DPE-5	12/19/2012	992.46	15.74	976.72	DPE-3; Before restarting the system
DPE-5	12/21/2012	992.46	17.58	974.88	DPE-3; After restarting the system
DPE-5	1/30/2013	992.46	17.21	975.25	DPE-1,2,3,4
DPE-5	2/26/2013	992.46	16.81	975.65	DPE-1,2,3,4
DPE-5	3/21/2013	992.46	17.48	974.98	DPE-1,2,3,4
DPE-5	5/23/2013	992.46	11.18	981.28	DPE-1,2,3,4
DPE-5	6/26/2013	992.46	14.90	977.56	DPE-1,2,3,4
DPE-5	8/26/2013	992.46	15.79	976.67	DPE-1,2,3,4
DPE-5	12/10/2013	992.46	14.41	978.05	System Off
DPE-5	2/17/2014	992.46	14.99	977.47	System Off
DPE-5	4/20/2014	992.46	13.61	978.85	System Off
DPE-5	8/21/2014	992.46	14.91	977.55	System Off
DPE-5	11/19/2014	992.46	14.12	978.34	System Off
DPE-5	2/25/2015	992.46	15.08	977.38	System Off
DPE-5	6/15/2015	992.46	14.25	978.21	System Off
DPE-5	8/17/2015	992.46	14.88	977.58	System Off
DPE-5	9/10/2015	992.46	14.61	977.85	System Off
DPE-5	10/12/2015	992.46	16.11	976.35	System Off
DPE-5	12/14/2015	992.46	14.49	977.97	DPE System on all wells
DPE-5	1/11/2016	992.46	16.11	976.35	DPE System on all wells
DPE-5	2/23/2016	992.46	14.30	978.16	DPE System on all wells
DPE-5	4/20/2016	992.46	15.76	976.70	DPE System on all wells
DPE-5	5/17/2016	992.46	13.54	978.92	DPE System on all wells
DPE-5	8/10/2016	992.46	15.58	976.88	DPE System on all wells
DPE-5	11/29/2016	992.46	8.92	983.54	DPE System Off
DPE-5	1/30/2017	992.46	10.25	982.21	DPE System Off
DPE-5	2/28/2017	992.46	10.78	981.68	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-6	12/3/2008	991.44	12.93	978.51	pre-system installation
DPE-6	6/8/2009	992.40	16.19	976.21	pre-system startup
DPE-6	7/9/2009	992.40	16.54	975.86	DPE system on DPE-1
DPE-6	7/9/2009	992.40	15.92	976.48	DPE system temporarily off
DPE-6	9/4/2009	992.40	15.68	976.72	DPE system on DPE-1
DPE-6	9/4/2009	992.40	15.65	976.75	DPE-1 on after replacing inlet screen
DPE-6	9/4/2009	992.40	15.81	976.59	DPE-1 on after replacing inlet filter
DPE-6	10/15/2009	992.40	15.94	976.46	DPE system on DPE-1
DPE-6	10/23/2009	992.40	14.56	977.84	DPE system off
DPE-6	11/16/2009	992.40	14.24	978.16	DPE System on all wells
DPE-6	12/17/2009	992.40	14.89	977.51	DPE System on all wells
DPE-6	1/14/2010	992.40	15.14	977.26	DPE System on all wells
DPE-6	2/22/2010	992.40	15.61	976.79	DPE System on all wells
DPE-6	3/25/2010	992.40	15.24	977.16	DPE System on all wells
DPE-6	4/16/2010	992.40	15.48	976.92	DPE System on all wells
DPE-6	5/12/2010	992.40	16.02	976.38	DPE System on all wells
DPE-6	6/17/2010	992.40	15.98	976.42	DPE System on all wells
DPE-6	8/18/2010	992.40	16.56	975.84	DPE System on all wells
DPE-6	9/27/2010	992.40	13.98	978.42	DPE System on all wells
DPE-6	11/18/2010	992.40	14.24	978.16	DPE System not operating
DPE-6	12/22/2010	992.40	14.89	977.51	DPE System restarted
DPE-6	1/6/2011	992.40	13.96	978.44	DPE System on all wells
DPE-6	1/20/2011	992.40	14.20	978.20	DPE System on all wells
DPE-6	2/28/2011	992.40	14.31	978.09	DPE System on all wells
DPE-6	3/7/2011	992.40	14.80	977.60	DPE System on all wells
DPE-6	3/18/2011	992.40	14.87	977.53	DPE System on all wells
DPE-6	3/23/2011	992.40	14.08	978.32	DPE System on all wells
DPE-6	4/22/2011	992.40	13.52	978.88	DPE System on all wells
DPE-6	5/19/2011	992.40	14.09	978.31	DPE System on all wells
DPE-6	6/16/2011	992.40	14.30	978.10	DPE System on all wells
DPE-6	7/25/2011	992.40	14.64	977.76	DPE System on all wells
DPE-6	8/28/2011	992.40	15.38	977.02	DPE System on all wells
DPE-6	9/29/2011	992.40	15.57	976.83	DPE-1,2,3,4
DPE-6	10/18/2011	992.40	14.20	978.20	DPE-1,2,3,4
DPE-6	10/27/2011	992.40	15.64	976.76	DPE-1,2,3,4
DPE-6	11/21/2011	992.40	15.81	976.59	DPE-1,2,3,4
DPE-6	1/20/2012	992.40	15.39	977.01	DPE-1,2,3,4
DPE-6	1/27/2012	992.40	16.29	976.11	DPE-1,2,3,4
DPE-6	2/16/2012	992.40	16.28	976.12	DPE-1,2,3,4
DPE-6	3/16/2012	992.40	16.40	976.00	DPE-1,2,3,4
DPE-6	3/27/2012	992.40	15.68	976.72	DPE-1,2,3,4
DPE-6	4/17/2012	992.40	16.19	976.21	DPE-1,2,3,4
DPE-6	5/17/2012	992.40	16.09	976.31	DPE-1,2,3,4
DPE-6	5/31/2012	992.40	15.56	976.84	DPE-1,2,3,4
DPE-6	6/14/2012	992.40	16.51	975.89	DPE-1,2,3,4
DPE-6	7/19/2012	992.40	16.96	975.44	DPE-3
DPE-6	8/23/2012	992.40	16.51	975.89	DPE-3
DPE-6	9/26/2012	992.40	16.36	976.04	DPE-3
DPE-6	10/26/2012	992.40	16.42	975.98	DPE-3
DPE-6	12/19/2012	992.40	15.66	976.74	DPE-3; Before restarting the system
DPE-6	12/21/2012	992.40	16.00	976.40	DPE-3; After restarting the system
DPE-6	1/30/2013	992.40	16.63	975.77	DPE-1,2,3,4
DPE-6	2/26/2013	992.40	16.59	975.81	DPE-1,2,3,4
DPE-6	3/21/2013	992.40	16.61	975.79	DPE-1,2,3,4
DPE-6	5/23/2013	992.40	11.44	980.96	DPE-1,2,3,4
DPE-6	6/26/2013	992.40	13.18	979.22	DPE-1,2,3,4
DPE-6	8/26/2013	992.40	14.86	977.54	DPE-1,2,3,4
DPE-6	12/10/2013	992.40	14.39	978.01	System Off
DPE-6	2/17/2014	992.40	14.81	977.59	System Off
DPE-6	4/20/2014	992.40	13.59	978.81	System Off
DPE-6	8/21/2014	992.40	15.04	977.36	System Off
DPE-6	11/19/2014	992.40	13.01	979.39	System Off
DPE-6	2/25/2015	992.40	14.87	977.53	System Off
DPE-6	6/15/2015	992.40	13.45	978.95	System Off
DPE-6	8/17/2015	992.40	14.75	977.65	System Off
DPE-6	9/10/2015	992.40	14.57	977.83	System Off
DPE-6	10/12/2015	992.40	15.21	977.19	System Off
DPE-6	12/14/2015	992.40	14.35	978.05	DPE System on all wells
DPE-6	1/11/2016	992.40	14.67	977.73	DPE System on all wells
DPE-6	2/23/2016	992.40	14.09	978.31	DPE System on all wells
DPE-6	4/20/2016	992.40	13.93	978.47	DPE System on all wells
DPE-6	5/17/2016	992.40	14.28	978.12	DPE System on all wells
DPE-6	8/10/2016	992.40	15.02	977.38	DPE System on all wells
DPE-6	11/29/2016	992.40	8.95	983.45	DPE System Off
DPE-6	1/30/2017	992.40	9.14	983.26	DPE System Off
DPE-6	2/28/2017	992.40	8.59	983.81	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-7	12/3/2008	991.47	12.96	978.51	pre-system installation
DPE-7	6/8/2009	993.48	16.78	976.70	pre-system startup
DPE-7	7/9/2009	993.48	17.76	975.72	DPE system on DPE-1
DPE-7	7/9/2009	993.48	17.16	976.32	DPE system temporarily off
DPE-7	9/4/2009	993.48	17.03	976.45	DPE system on DPE-1
DPE-7	9/4/2009	993.48	17.00	976.48	DPE-1 on after replacing inlet screen
DPE-7	9/4/2009	993.48	17.18	976.30	DPE-1 on after replacing inlet filter
DPE-7	10/15/2009	993.48	16.80	976.68	DPE system on DPE-1
DPE-7	10/23/2009	993.48	15.68	977.80	DPE system off
DPE-7	11/16/2009	993.48	15.44	978.04	DPE System on all wells
DPE-7	12/17/2009	993.48	16.03	977.45	DPE System on all wells
DPE-7	1/14/2010	993.48	16.26	977.22	DPE System on all wells
DPE-7	2/22/2010	993.48	16.98	976.50	DPE System on all wells
DPE-7	3/25/2010	993.48	16.65	976.83	DPE System on all wells
DPE-7	4/16/2010	993.48	16.71	976.77	DPE System on all wells
DPE-7	5/12/2010	993.48	17.41	976.07	DPE System on all wells
DPE-7	6/17/2010	993.48	17.50	975.98	DPE System on all wells
DPE-7	8/18/2010	993.48	17.98	975.50	DPE System on all wells
DPE-7	9/27/2010	993.48	15.36	978.12	DPE System on all wells
DPE-7	11/18/2010	993.48	15.59	977.89	DPE System not operating
DPE-7	12/22/2010	993.48	16.02	977.46	DPE System restarted
DPE-7	1/6/2011	993.48	15.20	978.28	DPE System on all wells
DPE-7	1/20/2011	993.48	15.31	978.17	DPE System on all wells
DPE-7	2/28/2011	993.48	15.61	977.87	DPE System on all wells
DPE-7	3/7/2011	993.48	16.08	977.40	DPE System on all wells
DPE-7	3/18/2011	993.48	16.08	977.40	DPE System on all wells
DPE-7	3/23/2011	993.48	14.83	978.65	DPE System on all wells
DPE-7	4/22/2011	993.48	15.60	977.88	DPE System on all wells
DPE-7	5/19/2011	993.48	15.33	978.15	DPE System on all wells
DPE-7	6/16/2011	993.48	15.58	977.90	DPE System on all wells
DPE-7	7/25/2011	993.48	14.64	978.84	DPE System on all wells
DPE-7	8/28/2011	993.48	16.96	976.52	DPE System on all wells
DPE-7	9/29/2011	993.48	17.35	976.13	DPE-1,2,3,4
DPE-7	10/18/2011	993.48	16.25	977.23	DPE-1,2,3,4
DPE-7	10/27/2011	993.48	17.46	976.02	DPE-1,2,3,4
DPE-7	11/21/2011	993.48	17.14	976.34	DPE-1,2,3,4
DPE-7	1/20/2012	993.48	16.68	976.80	DPE-1,2,3,4
DPE-7	1/27/2012	993.48	17.64	975.84	DPE-1,2,3,4
DPE-7	2/16/2012	993.48	17.69	975.79	DPE-1,2,3,4
DPE-7	3/16/2012	993.48	17.71	975.77	DPE-1,2,3,4
DPE-7	3/27/2012	993.48	17.08	976.40	DPE-1,2,3,4
DPE-7	4/17/2012	993.48	17.41	976.07	DPE-1,2,3,4
DPE-7	5/17/2012	993.48	17.62	975.86	DPE-1,2,3,4
DPE-7	5/31/2012	993.48	17.11	976.37	DPE-1,2,3,4
DPE-7	6/14/2012	993.48	17.83	975.65	DPE-1,2,3,4
DPE-7	7/19/2012	993.48	18.41	975.07	DPE-3
DPE-7	8/23/2012	993.48	18.21	975.27	DPE-3
DPE-7	9/26/2012	993.48	17.81	975.67	DPE-3
DPE-7	10/26/2012	993.48	17.88	975.60	DPE-3
DPE-7	12/19/2012	993.48	17.02	976.46	DPE-3; Before restarting the system
DPE-7	12/21/2012	993.48	17.59	975.89	DPE-3; After restarting the system
DPE-7	1/30/2013	993.48	17.86	975.62	DPE-1,2,3,4
DPE-7	2/26/2013	993.48	17.66	975.82	DPE-1,2,3,4
DPE-7	3/21/2013	993.48	18.03	975.45	DPE-1,2,3,4
DPE-7	5/23/2013	993.48	13.00	980.48	DPE-1,2,3,4
DPE-7	6/26/2013	993.48	14.40	979.08	DPE-1,2,3,4
DPE-7	8/26/2013	993.48	16.04	977.44	DPE-1,2,3,4
DPE-7	12/10/2013	993.48	15.64	977.84	System Off
DPE-7	2/17/2014	993.48	16.04	977.44	System Off
DPE-7	4/20/2014	993.48	14.84	978.64	System Off
DPE-7	8/21/2014	993.48	15.71	977.77	System Off
DPE-7	11/19/2014	993.48	15.27	978.21	System Off
DPE-7	2/25/2015	993.48	16.11	977.37	System Off
DPE-7	6/15/2015	993.48	15.43	978.05	System Off
DPE-7	8/17/2015	993.48	16.05	977.43	System Off
DPE-7	9/10/2015	993.48	15.79	977.69	System Off
DPE-7	10/12/2015	993.48	NR		Well was dry
DPE-7	12/14/2015	993.48	15.61	977.87	DPE System on all wells
DPE-7	1/11/2016	993.48	15.85	977.63	DPE System on all wells
DPE-7	2/23/2016	993.48	15.21	978.27	DPE System on all wells
DPE-7	4/20/2016	993.48	14.82	978.66	DPE System on all wells
DPE-7	5/17/2016	993.48	15.87	977.61	DPE System on all wells
DPE-7	8/10/2016	993.48	16.02	977.46	DPE System on all wells
DPE-7	11/29/2016	993.48	9.08	984.40	DPE System Off
DPE-7	1/30/2017	993.48	8.89	984.59	DPE System Off
DPE-7	2/28/2017	993.48	8.95	984.53	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-8	12/3/2008	991.48	12.56	978.92	pre-system installation
DPE-8	6/8/2009	992.84	14.50	978.34	pre-system startup
DPE-8	7/9/2009	992.84	14.57	978.27	DPE system on DPE-1
DPE-8	7/9/2009	992.84	14.49	978.35	DPE system temporarily off
DPE-8	9/4/2009	992.84	14.29	978.55	DPE system on DPE-1
DPE-8	9/4/2009	992.84	14.31	978.53	DPE-1 on after replacing inlet screen
DPE-8	9/4/2009	992.84	14.28	978.56	DPE-1 on after replacing inlet filter
DPE-8	10/15/2009	992.84	14.01	978.83	DPE system on DPE-1
DPE-8	10/23/2009	992.84	13.18	979.66	DPE system off
DPE-8	11/16/2009	992.84	13.30	979.54	DPE System on all wells
DPE-8	12/17/2009	992.84	15.31	977.53	DPE System on all wells
DPE-8	1/14/2010	992.84	16.58	976.26	DPE System on all wells
DPE-8	2/22/2010	992.84	14.19	978.65	DPE System on all wells
DPE-8	3/25/2010	992.84	15.72	977.12	DPE System on all wells
DPE-8	4/16/2010	992.84	16.20	976.64	DPE System on all wells
DPE-8	5/12/2010	992.84	16.61	976.23	DPE System on all wells
DPE-8	6/17/2010	992.84	16.92	975.92	DPE System on all wells
DPE-8	8/18/2010	992.84	17.21	975.63	DPE System on all wells
DPE-8	9/27/2010	992.84	14.75	978.09	DPE System on all wells
DPE-8	11/18/2010	992.84	15.37	977.47	DPE System not operating
DPE-8	12/22/2010	992.84	15.40	977.44	DPE System restarted
DPE-8	1/6/2011	992.84	15.18	977.66	DPE System on all wells
DPE-8	1/20/2011	992.84	16.15	976.69	DPE System on all wells
DPE-8	2/28/2011	992.84	16.78	976.06	DPE System on all wells
DPE-8	3/7/2011	992.84	15.81	977.03	DPE System on all wells
DPE-8	3/18/2011	992.84	15.71	977.13	DPE System on all wells
DPE-8	3/23/2011	992.84	14.20	978.64	DPE System on all wells
DPE-8	4/22/2011	992.84	14.61	978.23	DPE System on all wells
DPE-8	5/19/2011	992.84	15.18	977.66	DPE System on all wells
DPE-8	6/16/2011	992.84	15.48	977.36	DPE System on all wells
DPE-8	7/25/2011	992.84	14.41	978.43	DPE System on all wells
DPE-8	8/28/2011	992.84	16.91	975.93	DPE System on all wells
DPE-8	9/29/2011	992.84	16.37	976.47	DPE-1,2,3,4
DPE-8	10/18/2011	992.84	15.41	977.43	DPE-1,2,3,4
DPE-8	10/27/2011	992.84	16.82	976.02	DPE-1,2,3,4
DPE-8	11/21/2011	992.84	17.11	975.73	DPE-1,2,3,4
DPE-8	1/20/2012	992.84	16.74	976.10	DPE-1,2,3,4
DPE-8	1/27/2012	992.84	17.43	975.41	DPE-1,2,3,4
DPE-8	2/16/2012	992.84	DRY		DPE-1,2,3,4
DPE-8	3/16/2012	992.84	17.50	975.34	DPE-1,2,3,4
DPE-8	3/27/2012	992.84	16.78	976.06	DPE-1,2,3,4
DPE-8	4/17/2012	992.84	17.49	975.35	DPE-1,2,3,4
DPE-8	5/17/2012	992.84	DRY		DPE-1,2,3,4
DPE-8	5/31/2012	992.84	16.99	975.85	DPE-1,2,3,4
DPE-8	6/14/2012	992.84	DRY		DPE-1,2,3,4
DPE-8	7/19/2012	992.84	DRY		DPE-3
DPE-8	8/23/2012	992.84	DRY		DPE-3
DPE-8	9/26/2012	992.84	DRY		DPE-3
DPE-8	10/26/2012	992.84	DRY		DPE-3
DPE-8	12/19/2012	992.84	17.02	975.82	DPE-3; Before restarting the system
DPE-8	12/21/2012	992.84	DRY		DPE-3; After restarting the system
DPE-8	1/30/2013	992.84	DRY		DPE-1,2,3,4
DPE-8	2/26/2013	992.84	DRY		DPE-1,2,3,4
DPE-8	3/21/2013	992.84	DRY		DPE-1,2,3,4
DPE-8	5/23/2013	992.84	12.19	980.65	DPE-1,2,3,4
DPE-8	6/26/2013	992.84	14.00	978.84	DPE-1,2,3,4
DPE-8	8/26/2013	992.84	15.49	977.35	DPE-1,2,3,4
DPE-8	12/10/2013	992.84	15.62	977.22	System Off
DPE-8	2/17/2014	992.84	16.00	976.84	System Off
DPE-8	4/20/2014	992.84	14.46	978.38	System Off
DPE-8	8/21/2014	992.84	16.00	976.84	System Off
DPE-8	11/19/2014	992.84	15.04	977.80	System Off
DPE-8	2/25/2015	992.84	16.04	976.80	System Off
DPE-8	6/15/2015	992.84	14.29	978.55	System Off
DPE-8	8/17/2015	992.84	15.74	977.10	System Off
DPE-8	9/10/2015	992.84	15.52	977.32	System Off
DPE-8	10/12/2015	992.84	16.45	976.39	System Off
DPE-8	12/14/2015	992.84	15.43	977.41	DPE System on all wells
DPE-8	1/11/2016	992.84	15.68	977.16	DPE System on all wells
DPE-8	2/23/2016	992.84	15.08	977.76	DPE System on all wells
DPE-8	4/20/2016	992.84	14.95	977.89	DPE System on all wells
DPE-8	5/17/2016	992.84	14.23	978.61	DPE System on all wells
DPE-8	8/10/2016	992.84	14.99	977.85	DPE System on all wells
DPE-8	11/29/2016	992.84	5.72	987.12	DPE System Off
DPE-8	1/30/2017	992.84	7.71	985.13	DPE System Off
DPE-8	2/28/2017	992.84	8.66	984.18	DPE System Off

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
Elevator Draintile Sump	6/8/2009	989.58	7.00	982.58	pre-system startup
Elevator Draintile Sump	6/25/2009	990.20	6.34	983.86	pre-system startup
Elevator Draintile Sump	7/9/2009	990.20	6.38	983.82	DPE system on DPE-1
Elevator Draintile Sump	9/4/2009	990.20	6.29	983.91	DPE system on DPE-1
Elevator Draintile Sump	10/15/2009	990.20	6.18	984.02	DPE system on DPE-1
Elevator Draintile Sump	10/23/2009	990.20	6.08	984.12	DPE system off
Elevator Draintile Sump	11/16/2009	990.20	5.72	984.48	DPE System on all wells
Elevator Draintile Sump	12/17/2009	990.20	6.48	983.72	DPE System on all wells
Elevator Draintile Sump	1/14/2010	990.20	6.46	983.74	DPE System on all wells
Elevator Draintile Sump	2/22/2010	990.20	6.81	983.39	DPE System on all wells
Elevator Draintile Sump	3/25/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	4/16/2010	990.20	6.91	983.29	DPE System on all wells
Elevator Draintile Sump	5/12/2010	990.20	7.01	983.19	DPE System on all wells
Elevator Draintile Sump	6/17/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	8/18/2010	990.20	6.72	983.48	DPE System on all wells
Elevator Draintile Sump	9/27/2010	990.20	6.02	984.18	DPE System on all wells
Elevator Draintile Sump	11/18/2010	990.20	6.59	983.61	DPE System not operating
Elevator Draintile Sump	12/22/2010	990.20	6.48	983.72	DPE System restarted
Elevator Draintile Sump	1/6/2011	990.20	NA		DPE System on all wells
Elevator Draintile Sump	1/20/2011	990.20	6.84	983.36	DPE System on all wells
Elevator Draintile Sump	2/28/2011	990.20	7.03	983.17	DPE System on all wells
Elevator Draintile Sump	3/7/2011	990.20	6.91	983.29	DPE System on all wells
Elevator Draintile Sump	3/18/2011	990.20	6.97	983.23	DPE System on all wells
Elevator Draintile Sump	3/23/2011	990.20	6.76	983.44	DPE System on all wells
Elevator Draintile Sump	4/22/2011	990.20	6.52	983.68	DPE System on all wells
Elevator Draintile Sump	5/19/2011	990.20	6.27	983.93	DPE System on all wells
Elevator Draintile Sump	6/16/2011	990.20	6.52	983.68	DPE System on all wells
Elevator Draintile Sump	7/25/2011	990.20	5.58	984.62	DPE System on all wells
Elevator Draintile Sump	8/28/2011	990.20	6.56	983.64	DPE System on all wells
Elevator Draintile Sump	9/29/2011	990.20	6.97	983.23	DPE-1,2,3,4
Elevator Draintile Sump	10/18/2011	990.20	6.68	983.52	DPE-1,2,3,4
Elevator Draintile Sump	10/27/2011	990.20	7.01	983.19	DPE-1,2,3,4
Elevator Draintile Sump	11/21/2011	990.20	7.31	982.89	DPE-1,2,3,4
Elevator Draintile Sump	1/20/2012	990.20	7.33	982.87	DPE-1,2,3,4
Elevator Draintile Sump	1/27/2012	990.20	7.38	982.82	DPE-1,2,3,4
Elevator Draintile Sump	2/16/2012	990.20	7.44	982.76	DPE-1,2,3,4
Elevator Draintile Sump	3/16/2012	990.20	7.61	982.59	DPE-1,2,3,4
Elevator Draintile Sump	4/17/2012	990.20	7.97	982.23	DPE-1,2,3,4
Elevator Draintile Sump	5/17/2012	990.20	DRY		DPE-1,2,3,4
Elevator Draintile Sump	5/31/2012	990.20	6.99	983.21	DPE-1,2,3,4
Elevator Draintile Sump	6/14/2012	990.20	7.11	983.09	DPE-1,2,3,4
Elevator Draintile Sump	7/19/2012	990.20	7.09	983.11	DPE-3
Elevator Draintile Sump	8/23/2012	990.20	6.88	983.32	DPE-3
Elevator Draintile Sump	9/26/2012	990.20	7.19	983.01	DPE-3
Elevator Draintile Sump	10/26/2012	990.20	7.41	982.79	DPE-3
Elevator Draintile Sump	12/19/2012	990.20	7.33	982.87	DPE-3; Before restarting the system
Elevator Draintile Sump	12/21/2012	990.20	7.36	982.84	DPE-3; After restarting the system
Elevator Draintile Sump	1/30/2013	990.20	7.48	982.72	DPE-1,2,3,4
Elevator Draintile Sump	2/26/2013	990.20	7.70	982.50	DPE-1,2,3,4
Elevator Draintile Sump	3/21/2013	990.20	7.18	983.02	DPE-1,2,3,4
Elevator Draintile Sump	5/23/2013	990.20	4.07	986.13	DPE-1,2,3,4
Elevator Draintile Sump	6/26/2013	990.20	5.54	984.66	DPE-1,2,3,4
Elevator Draintile Sump	8/26/2013	990.20	6.66	983.54	DPE-1,2,3,4
Elevator Draintile Sump	12/10/2013	990.20	6.89	983.31	System Off
Elevator Draintile Sump	2/17/2014	990.20	6.94	983.26	System Off
Elevator Draintile Sump	4/20/2014	990.20	5.92	984.28	System Off
Elevator Draintile Sump	8/21/2014	990.20	7.71	982.49	System Off
Elevator Draintile Sump	11/19/2014	990.20	6.58	983.62	System Off
Elevator Draintile Sump	2/25/2015	990.20	7.13	983.07	System Off
Elevator Draintile Sump	6/15/2015	990.20	NR		System Off
Elevator Draintile Sump	8/17/2015	990.20	NR		System Off
Elevator Draintile Sump	10/12/2015	990.20	6.68	983.52	System Off
Elevator Draintile Sump	1/11/2016	990.20	6.81	983.39	DPE System on all wells
Elevator Draintile Sump	2/23/2016	990.20	NR		DPE System on all wells
Elevator Draintile Sump	4/20/2016	990.20	NR		DPE System on all wells
Elevator Draintile Sump	8/10/2016	990.20	NR		DPE System on all wells
Elevator Draintile Sump	11/29/2016	990.20	4.67	985.53	DPE System Off
Elevator Draintile Sump	1/30/2017	990.20	4.69	985.51	DPE System Off
Elevator Draintile Sump	2/28/2017	990.20	4.57	985.63	DPE System Off

Notes:
NR: Not Recorded

1. Monitoring well top of casing elevations were surveyed by Adolfson and Peterson on 4/22/08.
2. DPE well top of casing elevations changed during DPE well head installation and were estimated from a basement floor elevation of 989.5 ft and include the distance from the floor to the top of the well seal cover and the distance from the well seal cover to the top of the PVC stickup for collecting water level readings.
3. Elevations are in feet above mean sea level.

TABLE 8
Vapor Mitigation Systems Monitoring Results
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Date	Active Venting On/Off	VMS-1 (north)	VMS-2 (middle)	VMS-3 (south)	V-1	V-2	V-3	V-4	LSG-7	LSG-8	LSG-9	LSG-10	SP-1	SP-2
Venting System Monitoring during Soil Vapor Sampling														
8/22/2014	**Passive ON**	NA	NA	NA	0.059	0.063	0.067	NR	0.066	0.051	0.045	0.048	0.024	0.00
2/26/2015	**ON**	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
9/8/2015	**OFF**	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1/12/2016	**OFF**	NA	NA	NA	NR	NR	NR	NR	0.068	0.092	0.068	0.089	NR	NR
2/23/2016	**OFF**	NA	NA	NA	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
8/10/2016	**ON**	-2.01	-1.78	-1.74	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2/28/2017	**ON**	-2.03	-1.75	-1.73	-1.491	-1.421	-1.581	-1.955	-0.101	-0.405	-0.754	-0.781	-0.298	-0.001
Pre-Mitigation Diagnostic Testing (ACTIVE VENTING SYSTEM)														
3/23/2015	**ACTIVE ON**	-1.5	NA	NA	-0.17	0	-0.015	NR	0.027	0.002	-0.116	-0.01	NR	NR
3/23/2015	**ACTIVE ON**	NA	-1.5	NA	-0.907	-0.025	-1.023	NR	0.007	-0.018	-0.110	-0.199	NR	NR
3/23/2015	**ACTIVE ON**	NA	NA	-1.5	-0.07	-1.194	-0.046	NR	0.001	-0.095	-0.158	-0.183	NR	NR
Post-Mitigation Diagnostic Testing and Monitoring (ACTIVE VENTING SYSTEM)														
9/14/2015	**ACTIVE ON**	-2.06	NR	-1.68	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
9/21/2015	**ACTIVE ON**	-2.05	NR	-1.66	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
9/30/2015	**ACTIVE ON**	-2.09	NR	-1.69	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
10/13/2015	**ACTIVE ON**	-2.06	-2.02	-1.68	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
12/15/2015	**ACTIVE ON/OFF**	-2.05	-1.97	-2.28	-1.532	-1.474	-1.324	NR	-0.098	-0.378	-0.732	-0.683	NR	NR
5/17/2016	**ACTIVE OFF/ON**	-2.02	-1.67	-0.51	-1.277	-0.167	-1.379	-1.941	-0.032	-0.120	-0.382	-0.291	NR	NR
6/23/2016	**ACTIVE ON**	-2.03	-1.76	-1.75	-1.542	-1.485	-1.625	-1.826	-0.103	-0.425	-0.831	-0.823	NR	NR
9/14/2016	**ACTIVE ON**	-2.05	-1.79	-1.76	-1.561	-1.508	-1.668	-2.007	-0.165	-0.481	-0.845	-0.839	NR	NR

Notes:
VMS-1 is the north system connected to V-4.
VMS-2 is the middle system connected to V-1 & V-3.
VMS-3 is the south system connected to V-2.
NA: Not applicable.
NR: Not recorded.
***VMS-3 (south) digital meter appears to not be working on 5/17/2016 because the readings were very low and fluctuating a lot**
***It was determined that the fan at VMS-3 (south) was powered off. It was powered back on on 6/23/16. Moisture was also in the tubing that lead to the digital manometer so that was fixed as well.**

Table 9
Soil Vapor Sampling Results
MN Bio Business Center
Rochester, MN
(ug/m^3)

Parameter	MPCA Commercial 10X ISV	MPCA Residential 10X ISV	LSG-7 2/28/2017 Legend	LSG-7 8/10/2016 Legend	LSG-7 6/23/2016 Legend	LSG-7 2/24/2016 Legend	LSG-7 1/12/2016 Legend	LSG-7 9/8/2015 Legend	LSG-7 2/26/2015 Legend	LSG-7 8/22/2014 Pace	LSG-7 2/18/2014 Legend	LSG-7 10/18/2013 Legend	LSG-7 12/21/2012 Legend	LSG-8 2/28/2017 Legend	LSG-8 8/10/2016 Legend	LSG-8 6/23/2016 Legend	LSG-8 2/24/2016 Legend	LSG-8 1/12/2016 Legend	LSG-8 9/8/2015 Legend	LSG -8 2/26/2015 Legend	LSG-8 8/22/2014 Pace	LSG-8 2/18/2014 Legend	LSG-8 10/18/2013 Legend	LSG-8 12/21/2012 Legend
1,1,1-Trichloroethane	100000	50000	<2.7	<2.7	<2.7	<2.7	<2.7	<8.1	<2.7	<2.3	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.8	<2.7	<2.7	<2.7
1,1,2,2-Tetrachloroethane	10	2	<3.4	<3.4	<3.4	<3.4	<3.4	<10	<3.4	<1.5	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<1.8	<3.4	<3.4	<3.4
1,1,2-Trichloroethane	20	6	<2.7	<2.7	<2.7	<2.7	<2.7	<8.1	<2.7	<1.2	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<1.4	<2.7	<2.7	<2.7
1,1-Dichloroethane	10000	5000	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.1	<2.0	<2.0	<2.0
1,1-Dichloroethene	6000	2000	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
1,2,4-Trichlorobenzene	100	40	<3.7	<3.7	<3.7	<3.7	<3.7	<11	<3.7	<3.2	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	**5.0**	<3.7	<3.8	<3.7	<3.7	<3.7
1,2,4-Trimethylbenzene	200	70	**1.5**	**1.2**	**1.6**	<1.0	**2.2**	**15**	**26**	**3.6**	**1.1**	**1.1**	**6.1**	**1.5**	**1.4**	**1.7**	**1.1**	**1.6**	**6.5**	**25**	**288**	<1.0	**1.2**	**5.5**
1,2-Dibromoethane	1	0.2	<3.8	<3.8	<3.8	<3.8	<3.8	<11	<3.8	<3.3	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.9	<3.8	<3.8	<3.8
1,2-Dichlorobenzene	6000	2000	<3.0	<3.0	<3.0	<3.0	<3.0	<9.0	<3.0	<2.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0
1,2-Dichloroethane	10	4	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<0.86	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<2.0
1,2-Dichloropropane	100	40	<2.3	<2.3	<2.3	<2.3	<2.3	<6.9	<2.3	<2.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.4	<2.3	<2.3	<2.3
1,3,5-Trimethylbenzene	200	60	<1.0	<1.0	<1.0	<1.0	<1.0	**3.7**	**4.9**	**2.9**	<1.0	<1.0	**2.1**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	**4.6**	**98.5**	<1.0	<1.0	**2.1**
1,3-Butadiene	27	3	<1.1	<1.1	**1.2**	<1.1	<1.1	<3.3	<1.1	<0.94	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1
1,3-Dichlorobenzene	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<9.0	<3.0	<2.6	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	<3.0	<3.0	<3.0
1,4-Dichlorobenzene	2000	600	<3.0	<3.0	<3.0	<3.0	<3.0	<9.0	<3.0	<2.6	**8.3**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.1	**7**	<3.0	<3.0
2-Butanone	100000	50000	**2.3**	**3.1**	**3.1**	**5.9**	**6.9**	**34**	<1.5	**2.3**	**1.6**	<1.5	**5.4**	**3.0**	**6.3**	**2.1**	**4.0**	**8.4**	**29**	<1.5	**42.7**	<1.5	<1.5	**5.4**
4-Ethyltoluene	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<7.5	**4.5**	**3.8**	<2.5	<2.5	**3.1**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.1**	**97.7**	<2.5	<2.5	**2.8**
Acetone	870000	310000	**32**	**61**	**51**	**64**	**31**	**57**	**11**	<5.1	**15**	**7.8**	**55**	**29**	**72**	**21**	**33**	**45**	**16**	**11**	**176**	**8.4**	**13**	**49**
Benzene	450	46	**1.9**	<0.64	**5.4**	**0.78**	**0.85**	**2.4**	**1.1**	**1.2**	**0.85**	**2**	<0.64	<0.64	<0.64	<0.64	<0.64	**1.1**	<0.64	**0.7**	**19.8**	<0.64	<0.64	<0.64
Benzyl chloride	30	10	<2.6	<2.6	<2.6	<2.6	<2.6	<7.8	<2.6	<2.2	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6
Bromodichloromethane	NA	NA	<3.4	<3.4	<3.4	<3.4	<3.4	<10	<3.4	<2.9	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4
Bromoform	300	90	<5.2	<5.2	<5.2	<5.2	<5.2	<16	<5.2	<11.0	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<13.2	<5.2	<5.2	<5.2
Bromomethane	100	50	<1.9	<1.9	<1.9	<1.9	<1.9	<5.7	<1.9	<1.7	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.0	<1.9	<1.9	<1.9
Carbon disulfide	20000	7000	<1.6	<1.6	<1.6	<1.6	<1.6	<4.8	<1.6	<1.3	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	**2.2**	<1.6	<1.6	<1.6
Carbon tetrachloride	160	17	<3.1	<3.1	<3.1	<3.1	<3.1	<9.3	<3.1	<1.3	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<1.6	<3.1	<3.1	<3.1
Chlorobenzene	1000	500	<2.3	<2.3	<2.3	<2.3	<2.3	<6.9	<2.3	<2.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.4	<2.3	<2.3	<2.3
Chloroethane	300000	100000	<1.3	<1.3	<1.3	<1.3	<1.3	<3.9	<1.3	<1.1	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.4	<1.3	<1.3	<1.3
Chloroform	3000	1000	<2.4	<2.4	<2.4	<2.4	<2.4	<7.2	<2.4	**1.3**	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.2	<2.4	<2.4	<2.4
Chloromethane	3000	900	<1.0	**1.2**	**1.2**	<1.0	<1.0	<3.0	<1.0	<0.88	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.1	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	NA	NA	**3.7**	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	<2.0	**2.5**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
cis-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<6.9	<2.3	<4.8	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.8	<2.3	<2.3	<2.3
Cyclohexane	200000	60000	<1.7	<1.7	<1.7	<1.7	<1.7	<5.1	<1.7	<3.7	<1.7	**1.8**	**14**	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	**231**	<1.7	<1.7	**7.9**
Dibromochloromethane	NA	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<13	<4.3	<3.6	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.4	<4.3	<4.3	<4.3
Dichlorodifluoromethane	NA	NA	<2.5	**3.5**	**2.7**	**3.1**	<2.5	<7.5	<2.5	<5.3	<2.5	<2.5	<2.5	<2.5	**4.7**	**3.3**	**3.1**	**2.7**	<2.5	<2.5	<6.3	<2.5	<2.5	<2.5
Dichlorotetrafluoroethane	NA	NA	<3.5	<3.5	<3.5	<3.5	<3.5	<10	<3.5	<3.0	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.6	<3.5	<3.5	<3.5
Ethanol	420000	150000	**540**	**380**	**1200**	**340**	**650**	**320**	**170**	**24.9**	**97**	**24**	**490**	**380**	**190**	**210**	**280**	**1200**	**9.9**	**130**	**23.7**	**180**	**36**	**470**
Ethyl acetate	80000	30000	<1.8	<1.8	**2.0**	**3.7**	**3.8**	<5.4	<1.8	<1.5	<1.8	<1.8	<1.8	<1.8	<1.8	**4.7**	**2.3**	**4.3**	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Ethylbenzene	390	41	**1.1**	<0.87	**0.99**	**1.8**	**2.0**	**8.0**	**3.2**	**2.5**	**2.2**	<0.87	**4.5**	**1.1**	<0.87	**0.92**	**1.4**	**1.7**	**2.4**	**2.7**	**91.3**	**1.2**	<0.87	**4**
Hexachlorobutadiene	10	5	<5.3	<5.3	<5.3	<5.3	<5.3	<16	<5.3	<4.6	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.5	<5.3	<5.3	<5.3
Isopropyl alcohol	200000	70000	**280**	**520**	**540**	**300**	**190**	**64**	**35**	**66.6**	**14**	**21**	**13**	**290**	**330**	**110**	**210**	**300**	**39**	**38**	**33.9**	**14**	**29**	**18**
m,p-Xylene	3000	1000	**3.3**	**2.1**	**3.3**	**6.9**	**7.0**	**23**	**13**	**4.5**	**11**	**2**	**3.6**	**3.8**	**2.7**	**3.6**	**5.2**	**6.0**	**9.8**	**11**	**304**	**4.3**	<1.7	**2**
Methyl butyl ketone (2-Hexanone)	1110	310	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	**2.1**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**6.7**	<2.0	<2.0	<2.0
Methyl isobutyl ketone	80000	30000	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**7.7**	<2.0	<2.0	<2.0
Methyl tert-butyl ether	80000	30000	<1.8	<1.8	<1.8	<1.8	<1.8	<5.4	<1.8	<1.5	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	**12.6**	<1.8	<1.8	<1.8
Methylene chloride (Dichloromethane)	21,000	6,300	<1.7	**21**	**2.4**	**2.2**	<1.7	<5.1	<1.7	<7.4	<1.7	**3.3**	**4**	<1.7	**65**	**1.8**	<1.7	**5.0**	<1.7	**1.8**	**76.2**	<1.7	**6.3**	<1.7
Naphthalene	300	90	<2.6	<2.6	<2.6	<2.6	<2.6	**9.6**	**4.3**	<5.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	**3.9**	**4.5**	**36.3**	<2.6	<2.6	<2.6
n-Heptane	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<6..0	**45**	<1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**29**	**32.3**	<2.0	<2.0	<2.0
n-Hexane	60000	20000	<1.8	**12**	<1.8	**2.6**	**2.3**	<5.4	**1.9**	**3.3**	**2.8**	**4.2**	**38**	<1.8	**58**	<1.8	<1.8	**2.8**	<1.8	<1.8	**63.6**	<1.8	**2.2**	**8.3**
o-Xylene	3000	1000	**1.0**	<0.87	**1.2**	**2.4**	**2.0**	**6.3**	**5.6**	**2.7**	**4.1**	<0.87	**1.8**	**1.2**	**1.1**	**1.3**	**1.9**	**1.9**	**4.1**	**4.9**	**33.7**	**1.3**	<0.87	<0.87
Propylene	80000	30000	<0.86	<0.86	<0.86	<0.86	<0.86	<2.6	<0.86	<1.8	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	**4.6**	<0.86	<0.86	<0.86
Styrene	30000	10000	<2.1	<2.1	<2.1	<2.1	<2.1	<6.3	<2.1	<4.5	<2.1	<2.1	**14**	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<5.4	<2.1	<2.1	**23**
Tetrachloroethene	330	33	<3.4	<3.4	<3.4	**87**	**17**	**15**	**720**	**21.2**	**440**	**18**	**26**	<3.4	<3.4	<3.4	**880**	**15**	**14**	**490**	**17.1**	**1300**	**17**	**20**
Tetrahydrofuran	NA	NA	<1.5	<1.5	<1.5	**5.3**	**5.1**	<4.5	<1.5	<1.3	<1.5	**3.4**	**3.8**	**1.6**	**2.2**	<1.5	**4.0**	**5.1**	<1.5	<1.5	<1.5	<1.5	**4.4**	**3.5**
Toluene	100000	50000	**14**	**7.2**	**13**	**54**	**12**	**34**	**59**	**38.5**	**15**	**94**	**3900**	**9.8**	**6.9**	**6.1**	**24**	**11**	**26**	**32**	**55.2**	**3.4**	**49**	**970**
trans-1,2-Dichloroethene	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<6.0	<2.0	<1.7	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**5.5**	<2.0	**10.4**	<2.0	**6.5**	<2.0
trans-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<6.9	<2.3	<4.8	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.8	<2.3	<2.3	<2.3
Trichloroethene	70	21	**3.4**	<1.1	<1.1	<1.1	<1.1	<3.3	**5.8**	<1.2	<1.1	**27**	<2.7	<1.1	<1.1	<1.1	**1.5**	<1.1	<1.1	**1.5**	<1.4	**1.6**	**7**	<2.7
Trichlorofluoromethane	20000	7000	<2.8	<2.8	<2.8	<2.8	<2.8	<8.4	<2.8	<2.4	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.9	<2.8	<2.8	<2.8
Trichlorotrifluoroethane	800000	300000	<3.8	<3.8	<3.8	**56**	**4.7**	<11	**8.4**	<3.4	**11**	<3.8	<3.8	<3.8	<3.8	<3.8	**33**	<3.8	<3.8	**4.2**	<4.0	**3700**	<3.8	<3.8
Vinyl acetate	6000	2000	<1.8	<1.8	<1.8	<1.8	<1.8	<5.4	<1.8	<1.5	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8
Vinyl chloride	220	32	<0.51	<0.51	<0.51	<0.51	<0.51	<1.5	<0.51	<0.55	<0.51	<0.51	<1.3	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.66	<0.51	<0.51	<1.3

Notes:
BOLD: exceeds laboratory method detection.
[ ] exceeds applicable MPCA 10X Commercial/Industrial ISV.
Interim MPCA ISVs, May 25, 2016.

F:\PROJECTS\Crc-City of Rochester\data tables\
Soil Vapor Analytical Data

5/22/20173:47 PM

Table 9
Soil Vapor Sampling Results
MN Bio Business Center
Rochester, MN
(ug/m^3)

Parameter	MPCA Commercial 10X ISV	MPCA Residential 10X ISV	LSG-9 2/28/2017 Legend	LSG-9 8/10/2016 Legend	LSG-9 6/23/2016 Legend	LSG-9 2/24/2016 Legend	LSG-9 1/12/2016 Legend	LSG-9 9/8/2015 Legend	LSG-9 2/26/2015 Legend	LSG-9 8/22/2014 Pace	LSG-9 2/18/2014 Legend	LSG-9 10/18/2013 Legend	LSG-9 12/21/2012 Legend	LSG-10 2/28/2017 Legend	LSG-10 8/10/2016 Legend	LSG-10 6/23/2016 Legend	LSG-10 2/24/2016 Legend	LSG-10 1/12/2016 Legend	LSG-10 9/8/2015 Legend	LSG-10 2/26/2015 Legend	LSG-10 8/22/2014 Pace	LSG-10 2/18/2014 Legend	LSG-10 10/18/2013 Legend	LSG-10 12/21/2012 Legend
1,1,1-Trichloroethane	100000	50000	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	**3.8**	<3.5	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.5	<2.7	<2.7	<2.7
1,1,2,2-Tetrachloroethane	10	2	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<2.2	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<1.6	<3.4	<3.4	<3.4
1,1,2-Trichloroethane	20	6	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<1.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<1.3	<2.7	<2.7	<2.7
1,1-Dichloroethane	10000	5000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0
1,1-Dichloroethene	6000	2000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0
1,2,4-Trichlorobenzene	100	40	<3.7	<3.7	<3.7	<3.7	<3.7	**4.9**	<3.7	<4.8	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	**4.9**	<3.7	<3.5	<3.7	<3.7	<3.7
1,2,4-Trimethylbenzene	200	70	**2.0**	**1.2**	**1.1**	**1.2**	**1.7**	**6.4**	**22**	**4.5**	**2.1**	<1.0	**1.5**	**2.0**	**1.4**	**2.2**	<1.0	**2.1**	**5.7**	**22**	**3.5**	**1.1**	<1.0	**3.4**
1,2-Dibromoethane	1	0.2	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<4.9	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.6	<3.8	<3.8	<3.8
1,2-Dichlorobenzene	6000	2000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	<3.0	<3.0	<3.0
1,2-Dichloroethane	10	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.3	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.94	<2.0	<2.0	<2.0
1,2-Dichloropropane	100	40	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<3.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.3	<2.3	<2.3
1,3,5-Trimethylbenzene	200	60	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	**4.3**	**4**	<1.0	<1.0	<0.98	<1.0	<1.0	<1.0	<1.0	<1.0	**1.8**	**4.3**	**3.2**	<1.0	<1.0	**1.4**
1,3-Butadiene	27	3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.4	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1
1,3-Dichlorobenzene	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	<3.0	<3.0	<3.0
1,4-Dichlorobenzene	2000	600	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.9	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	**8.1**	<3.0	<3.0
2-Butanone	100000	50000	**3.0**	**2.7**	**2.0**	**6.6**	**8.2**	**29**	<1.5	**3.6**	**8.3**	**1.7**	**6.1**	**3.4**	**5.0**	**3.6**	**4.0**	**6.5**	**7.8**	**2.6**	<1.4	**1.7**	**3.2**	**11**
4-Ethyltoluene	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**3.8**	<3.2	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	**4.2**	**3.8**	<2.5	<2.5	<2.5
Acetone	870000	310000	**34**	**36**	**35**	**43**	**33**	**12**	**12**	**32.8**	**97**	**8.6**	**35**	**45**	**64**	**74**	**64**	**28**	**45**	**35**	**25.1**	**13**	**32**	**390**
Benzene	450	46	1.0	<0.64	<0.64	**0.88**	**0.96**	**0.96**	**1.3**	**1.2**	**1.1**	<0.64	<0.64	<0.64	<0.64	<0.64	**0.75**	**0.84**	<0.64	**1.4**	<0.74	<0.64	<0.64	**0.72**
Benzyl chloride	30	10	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<3.3	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.4	<2.6	<2.6	<2.6
Bromodichloromethane	NA	NA	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<4.3	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.1	<3.4	<3.4	<3.4
Bromoform	300	90	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<16.6	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<12.0	<5.2	<5.2	<5.2
Bromomethane	100	50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.5	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.8	<1.9	<1.9	<1.9
Carbon disulfide	20000	7000	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<2.0	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.4	<1.6	<1.6	<1.6
Carbon tetrachloride	160	17	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<2.0	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<1.5	<3.1	<3.1	<3.1
Chlorobenzene	1000	500	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<3.0	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.3	<2.3	<2.3
Chloroethane	300000	100000	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.7	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.2	<1.3	<1.3	<1.3
Chloroform	3000	1000	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.6	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.1	<2.4	<2.4	<2.4
Chloromethane	3000	900	**1.1**	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.3	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<0.96	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	NA	NA	**13**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	**6.0**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0
cis-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<7.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.3	<2.3	<2.3	<2.3
Cyclohexane	200000	60000	<1.7	<1.7	<1.7	<1.7	<1.7	**6.2**	**2.2**	<5.5	**10**	<1.7	**11**	<1.7	<1.7	**1.8**	<1.7	<1.7	**7.8**	**11**	**14.5**	**1.8**	**11**	**47**
Dibromochloromethane	NA	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<5.5	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.0	<4.3	<4.3	<4.3
Dichlorodifluoromethane	NA	NA	<2.5	<2.5	**4.1**	**2.9**	**2.7**	<2.5	<2.5	<7.9	<2.5	<2.5	<2.5	**2.7**	**3.3**	<2.5	**2.8**	**2.8**	<2.5	<2.5	<5.7	<2.5	<2.5	<2.5
Dichlorotetrafluoroethane	NA	NA	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<4.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.3	<3.5	<3.5	<3.5
Ethanol	420000	150000	**540**	**330**	**1600**	**640**	**890**	**18**	**210**	**4.5**	**310**	**35**	**240**	**630**	**390**	**1100**	**330**	**590**	**35**	**190**	**22.8**	**120**	**85**	**1700**
Ethyl acetate	80000	30000	<1.8	<1.8	<1.8	**6.4**	**4.0**	<1.8	<1.8	<2.3	**6.9**	<1.8	<1.8	<1.8	<1.8	<1.8	**2.2**	**3.3**	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8
Ethylbenzene	390	41	**2.8**	<0.87	**1.2**	**2.6**	**1.7**	**3.8**	**3.4**	**3.7**	**2.5**	<0.87	**0.96**	**1.7**	<0.87	**1.7**	**1.8**	**2.1**	**2.7**	**3.4**	**2.8**	**1.6**	<0.87	**3.2**
Hexachlorobutadiene	10	5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<7.0	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.0	<5.3	<5.3	<5.3
Isopropyl alcohol	200000	70000	**500**	**610**	**890**	**450**	**250**	**40**	**39**	**9**	**76**	**40**	**20**	**390**	**710**	**530**	**290**	**170**	**45**	**33**	**37.8**	**11**	**80**	**26**
m,p-Xylene	3000	1000	**9.0**	**2.6**	**5.9**	**9.2**	**6.4**	**16**	**14**	**5.6**	**5.9**	<1.7	<1.7	**5.3**	**2.7**	**9.2**	**6.8**	**7.4**	**11**	**14**	**5**	**6.3**	<1.7	**3.2**
Methyl butyl ketone (2-Hexanone)	1110	310	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	**2.3**
Methyl isobutyl ketone	80000	30000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	**2.6**
Methyl tert-butyl ether	80000	30000	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<2.3	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8
Methylene chloride (Dichloromethane)	21,000	6,300	<1.7	**11**	<1.7	<1.7	<1.7	**2.5**	<1.7	<11.2	**9.3**	<1.7	**2.6**	<1.7	**15**	**2.2**	**6.0**	<1.7	<1.7	<1.7	**22.8**	<1.7	<1.7	**2.1**
Naphthalene	300	90	<2.6	<2.6	<2.6	<2.6	<2.6	**3.5**	**4.5**	<8.4	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	**3.4**	**3.8**	<6.1	<2.6	<2.6	<2.6
n-Heptane	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**61**	<2.6	**2.1**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**56**	**1.9**	<2.0	<2.0	<2.0
n-Hexane	60000	20000	<1.8	**7.9**	<1.8	<1.8	<1.8	**10**	**2.1**	**6.8**	**32**	<1.8	**4.6**	**2.3**	**4.6**	**3.7**	**5.8**	**3.5**	**15**	**23**	**43.2**	**2.5**	**37**	**220**
o-Xylene	3000	1000	**2.7**	**1.0**	**3.1**	**3.1**	**1.9**	**5.9**	**5.8**	**4.1**	<0.87	<0.87	<0.87	**1.8**	**1.0**	**5.1**	**2.2**	**2.1**	**4.3**	**5.9**	**3.2**	**2.1**	<0.87	**1.6**
Propylene	80000	30000	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<2.8	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<2.0	<0.86	<0.86	<0.86
Styrene	30000	10000	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<6.8	**7.3**	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<4.9	<2.1	<2.1	**6.8**
Tetrachloroethene	330	33	**4.3**	<3.4	**32**	**9.3**	**15**	**90**	**3200**	**85.3**	**11**	**31**	**150**	**5.6**	**12**	<3.4	**85**	**16**	**24**	**1500**	**35.7**	**970**	**21**	**36**
Tetrahydrofuran	NA	NA	**1.9**	<1.5	<1.5	**5.5**	**5.4**	**1.6**	<1.5	<1.9	**5.1**	**6.1**	**6.9**	**1.8**	<1.5	<1.5	**4.1**	**4.8**	<1.5	<1.5	<1.4	<1.5	**6.9**	**3.7**
Toluene	100000	50000	**30**	**5.4**	**2.6**	**31**	**12**	**30**	**11**	**18.3**	**200**	**1.7**	**21**	**51**	**6.2**	**32**	**62**	**12**	**55**	**150**	**175**	**6.4**	**110**	**3900**
trans-1,2-Dichloroethene	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.6	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0
trans-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<7.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.3	<2.3	<2.3	<2.3
Trichloroethene	70	21	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	**4.3**	<1.7	**3.2**	<1.1	<2.7	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	**1.7**	<1.3	**1.4**	<1.1	<2.7
Trichlorofluoromethane	20000	7000	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<3.6	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.6	<2.8	<2.8	<2.8
Trichlorotrifluoroethane	800000	300000	**22**	<3.8	<3.8	**15**	**61**	**6.3**	**1500**	**32**	<3.8	<3.8	**1300**	**7.5**	<3.8	<3.8	**190**	**13**	<3.8	**29**	<3.7	**42**	<3.8	**6.9**
Vinyl acetate	6000	2000	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<2.3	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.6	<1.8	<1.8	<1.8
Vinyl chloride	220	32	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.82	<0.51	<0.51	<1.3	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.60	<0.51	<0.51	<1.3

Notes:
BOLD: exceeds laboratory method detection.
☐ exceeds applicable MPCA 10X Commercial/Industrial ISV.
Interim MPCA ISVs, May 25, 2016.

Table 9
Soil Vapor Sampling Results
MN Bio Business Center
Rochester, MN
(ug/m^3)

Parameter	MPCA Commercial 10X ISV	MPCA Residential 10X ISV	SP-1 2/28/2017 Legend	SP-1 6/23/2016 Legend	SP-1 2/24/2016 Legend	SP-1 1/12/2016 Legend	SP-1 9/8/2015 Legend	SP-1 2/26/2015 Legend	SP-1 8/22/2014 Pace	SP-1 3/14/2014 Legend	SP-1 10/18/2013 Legend	SP-1 12/21/2012 Legend	SP-2 2/28/2017 Legend	SP-2 6/23/2016 Legend	SP-2 2/24/2016 Legend	SP-2 1/12/2016 Legend	SP-2 9/8/2015 Legend	SP-2 2/26/2015 Legend	SP-2 8/22/2014 Pace	SP-2 3/14/2014 Legend	SP-2 10/18/2013 Legend	SP-2 12/21/2012 Legend
1,1,1-Trichloroethane	100000	50000	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.5	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<3.3	**3.3**	<2.7	<2.7
1,1,2,2-Tetrachloroethane	10	2	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<1.6	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<2.1	<3.4	<3.4	<3.4
1,1,2-Trichloroethane	20	6	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<1.3	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<2.7	<1.6	<2.7	<2.7	<2.7
1,1-Dichloroethane	10000	5000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0	<2.0
1,1-Dichloroethene	6000	2000	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	**7.6**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.4	<2.0	<2.0	<2.0
1,2,4-Trichlorobenzene	100	40	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.5	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	<3.7	**4.9**	<3.7	<4.5	<3.7	<3.7	<3.7
1,2,4-Trimethylbenzene	200	70	**4.4**	**1.1**	<1.0	**1.5**	**6.0**	**16**	**4.8**	**4.6**	<1.0	<0.98	**3.5**	<1.0	<1.0	<1.0	**3.8**	**15**	<3.0	**4.8**	<1.0	<0.98
1,2-Dibromoethane	1	0.2	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.6	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<3.8	<4.6	<3.8	<3.8	<3.8
1,2-Dichlorobenzene	6000	2000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.6	<3.0	<3.0	<3.0
1,2-Dichloroethane	10	4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<0.94	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.2	<2.0	<2.0	<2.0
1,2-Dichloropropane	100	40	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.8	<2.3	<2.3	<2.3
1,3,5-Trimethylbenzene	200	60	**1.4**	<1.0	<1.0	<1.0	**1.8**	**2.4**	**3.5**	**1.2**	<1.0	<0.98	**1.1**	<1.0	<1.0	<1.0	**1.2**	**2.6**	<3.0	<1.0	<1.0	<0.98
1,3-Butadiene	27	3	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.0	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.1	<1.3	<1.1	<1.1	<1.1
1,3-Dichlorobenzene	NA	NA	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.6	<3.0	<3.0	<3.0
1,4-Dichlorobenzene	2000	600	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<2.8	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.6	<3.0	<3.0	<3.0
2-Butanone	100000	50000	**5.8**	**1.8**	**3.7**	**3.8**	**56**	**1.9**	**3**	**6.3**	<1.5	<1.5	**9.1**	<1.5	**4.0**	**2.7**	**32**	<1.5	**7.5**	**8.4**	2.3	**3.1**
4-Ethyltoluene	NA	NA	<2.5	<2.5	<2.5	<2.5	<2.5	**3**	**4.3**	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<3.0	<2.5	<2.5	<2.5
Acetone	870000	310000	**30**	**34**	**43**	**35**	**45**	**12**	**17.5**	**32**	**23**	**5.3**	**97**	**43**	**37**	**17**	**42**	**9.2**	**17.7**	**45**	**35**	**4.7**
Benzene	450	46	**1.1**	**0.73**	**0.74**	**0.91**	**0.66**	**0.86**	**0.96**	**1.2**	<0.64	<0.64	**1.1**	<0.64	**0.71**	**0.75**	<0.64	**0.89**	<0.97	**1.2**	<0.64	**0.73**
Benzyl chloride	30	10	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.4	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	<3.1	<2.6	<2.6	<2.6
Bromodichloromethane	NA	NA	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.1	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<3.4	<4.0	<3.4	<3.4	<3.4
Bromoform	300	90	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<12.0	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<5.2	<15.6	<5.2	<5.2	<5.2
Bromomethane	100	50	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.8	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<1.9	<2.3	<1.9	<1.9	<1.9
Carbon disulfide	20000	7000	<1.6	<1.6	<1.6	**2.8**	<1.6	<1.6	<1.4	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.9	<1.6	<1.6	<1.6
Carbon tetrachloride	160	17	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<1.5	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<3.1	<1.9	<3.1	<3.1	<3.1
Chlorobenzene	1000	500	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.2	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.8	<2.3	<2.3	<2.3
Chloroethane	300000	100000	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.2	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.3	<1.6	<1.3	<1.3	<1.3
Chloroform	3000	1000	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.1	**2.5**	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<2.4	<1.5	<2.4	<2.4	<2.4
Chloromethane	3000	900	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<0.96	<1.0	<1.0	<1.0	**1.2**	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.2	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	NA	NA	**13**	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	**2.4**	<2.0	<2.0	**1800**	<2.0	<2.0	<2.0	<2.0	**3.1**	<2.4	**7**	<2.0	<2.0
cis-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<6.8	<2.3	<2.3	<2.3
Cyclohexane	200000	60000	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<4.0	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<1.7	<5.2	<1.7	<1.7	<1.7
Dibromochloromethane	NA	NA	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.0	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<4.3	<5.1	<4.3	<4.3	<4.3
Dichlorodifluoromethane	NA	NA	<2.5	<2.5	**3.2**	**3.7**	<2.5	<2.5	<5.7	**2.6**	<2.5	<2.5	<2.5	<2.5	**2.9**	**2.8**	<2.5	<2.5	<7.5	**2.6**	<2.5	<2.5
Dichlorotetrafluoroethane	NA	NA	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.3	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<4.2	<3.5	<3.5	<3.5
Ethanol	420000	150000	**610**	**1500**	**440**	**320**	**66**	**100**	**6**	**180**	**230**	**7.9**	**790**	**730**	**350**	**480**	**18**	**60**	**16.2**	**220**	**130**	**12**
Ethyl acetate	80000	30000	<1.8	<1.8	**2.3**	**2.4**	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.8	**2.5**	<1.8	<1.8	<1.8	**4.1**	**2.1**	<1.8	<1.8
Ethylbenzene	390	41	**3.5**	<0.87	**1.8**	**1.5**	**3.5**	**2.2**	**2.8**	**3.9**	<0.87	<0.87	**2.2**	<0.87	**1.8**	**1.6**	**1.7**	**1.6**	<2.6	**2.6**	<0.87	<0.87
Hexachlorobutadiene	10	5	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.0	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<5.3	<6.5	<5.3	<5.3	<5.3
Isopropyl alcohol	200000	70000	**400**	**670**	**380**	**110**	**43**	**40**	**26.9**	**420**	**240**	**3.8**	**550**	**690**	**330**	**130**	**16**	**19**	<3.7	**790**	**170**	**4.8**
m,p-Xylene	3000	1000	**9.9**	**2.2**	**6.9**	**5.2**	**13**	**8.1**	**6.5**	**21**	<1.7	<1.7	**6.7**	<1.7	**6.8**	**5.4**	**6.8**	**6.1**	<5.2	**9**	<1.7	<1.7
Methyl butyl ketone (2-Hexanone)	1110	310	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.5	<2.0	<2.0	<2.0
Methyl isobutyl ketone	80000	30000	**5.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	**4.3**	<2.0	<2.0	**5.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.5	**5**	<2.0	<2.0
Methyl tert-butyl ether	80000	30000	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.7	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	**2.7**	<1.8	<1.8	<1.8
Methylene chloride (Dichloromethane)	21,000	6,300	<1.7	**5.1**	<1.7	**51**	**3.7**	<1.7	<8.1	<1.7	**2.6**	**2.6**	<1.7	**2.9**	<1.7	<1.7	**4.5**	**3.7**	**18.1**	<1.7	**2.1**	**2.2**
Naphthalene	300	90	<2.6	<2.6	<2.6	<2.6	**3.1**	**3.1**	<6.1	**3.1**	<2.6	<2.6	<2.6	<2.6	<2.6	<2.6	**3.5**	**3.7**	<7.9	**3.3**	<2.6	<2.6
n-Heptane	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	**21**	<1.9	**4.3**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**13**	<2.5	<2.0	<2.0	<2.0
n-Hexane	60000	20000	**2.1**	<1.8	<1.8	**18**	<1.8	<1.8	**2.2**	**2.1**	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	**2.2**	**5.9**	<1.8	<1.8	**2.8**
o-Xylene	3000	1000	**3.1**	<0.87	**2.2**	**1.6**	**4.7**	**3.8**	**3.2**	**6.9**	<0.87	<0.87	**2.4**	<0.87	**2.3**	**1.4**	**2.6**	**2.8**	<2.6	**3.1**	<0.87	<0.87
Propylene	80000	30000	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<2.0	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<0.86	<2.6	<0.86	<0.86	<0.86
Styrene	30000	10000	**3.9**	<2.1	<2.1	<2.1	<2.1	<2.1	<4.9	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<2.1	<6.4	<2.1	<2.1	<2.1
Tetrachloroethene	330	33	**9.9**	<3.4	**72**	**130**	**59**	**380**	**14.9**	**250**	**9**	**47**	**16**	**360**	**83**	**14**	**3300**	**2300**	**480**	**120**	**10000**	**39**
Tetrahydrofuran	NA	NA	**3.4**	<1.5	**3.8**	**2.9**	**18**	<1.5	<1.4	**6**	**3.9**	<1.5	**5.4**	<1.5	**4.3**	**2.6**	**54**	<1.5	**4.2**	**7.6**	<1.5	**2.1**
Toluene	100000	50000	**22**	**2.9**	**68**	**9.5**	**28**	**21**	**6.1**	**13**	**1.8**	<0.75	**12**	**2.9**	**48**	**4.5**	**10**	**13**	**2.7**	**8.3**	**1.2**	**1.2**
trans-1,2-Dichloroethene	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<1.9	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	**2.1**	<2.0	<2.0	<2.4	<2.0	<2.0	<2.0
trans-1,3-Dichloropropene	600	200	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<5.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<2.3	<6.8	<2.3	<2.3	<2.3
Trichloroethene	70	21	**1.3**	<1.1	<1.1	<1.1	<1.1	<1.1	<1.3	**1.9**	<1.1	<2.7	**3.3**	<1.1	<1.1	<1.1	**3.0**	**4**	<1.6	**1.8**	**3.3**	<2.7
Trichlorofluoromethane	20000	7000	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.6	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<3.4	<2.8	<2.8	<2.8
Trichlorotrifluoroethane	800000	300000	**13**	<3.8	**1000**	**640**	**61**	**16**	**4.1**	**95**	<3.8	**75**	**150**	**62**	**45**	<3.8	**450**	**650**	**206**	**1600**	**900**	**6**
Vinyl acetate	6000	2000	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.6	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<1.8	<2.1	<1.8	<1.8	<1.8
Vinyl chloride	220	32	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.60	<0.51	<0.51	<1.3	**19**	<0.51	<0.51	<0.51	<0.51	<0.51	<0.77	<0.51	<0.51	<1.3

Notes:
BOLD: exceeds laboratory method detection.
☐ exceeds applicable MPCA 10X Commercial/Industrial ISV.
Interim MPCA ISVs, May 25, 2016.

Table 10

Soil Vapor and Venting System Field Monitoring Results
MN Bio Business Cenetr
221 1st Avenue SW
Rochester, Minnesota

	Date	Time	Static Pressure (+/-) Inch in WC	PID (ppm)	Methane (CH4)	Lower Explosive Limit	Oxygen	Hydrogen Sulfide	Carbon Monoxide
LSG-7	8/22/2014	1138	0.066	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	927	NR	1.0	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	0.0	0.0	20.9	0.0	0.0
	1/12/2016	1208	0.068	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1700	NR	0.0	NR	NR	NR	NR	NR
	6/23/2016	1245	-0.103	0.0	0.0	0.0	20.9	0.0	0.0
	8/10/2016	1452	NR	0.0	NR	NR	NR	NR	NR
	2/28/2017	1550	-0.101	0.0	0.0	0.0	NR	NR	NR
LSG-8	8/22/2014	1155	0.051	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	944	NR	0.1	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	0.0	0.0	20.5	0.0	0.0
	1/12/2016	1115	0.092	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1723	NR	0.0	NR	NR	NR	NR	NR
	6/23/2016	1259	-0.425	0.0	0.0	0.0	20.9	0.0	0.0
	8/10/2016	1503	NR	0.0	NR	NR	NR	NR	NR
	2/28/2017	1434	-0.405	0.0	0.0	0.0	NR	NR	NR
LSG-9	8/22/2014	1106	0.045	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	856	NR	2.8	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	0.0	0.0	20.9	0.0	0.0
	1/12/2016	1132	0.068	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1603	NR	0.0	NR	NR	NR	NR	NR
	6/23/2016	1206	-0.831	0.0	0.0	0.0	20.9	0.0	0.0
	8/10/2016	1418	NR	0.0	NR	NR	NR	NR	NR
	2/28/2017	1305	-0.754	0.0	0.0	0.0	NR	NR	NR
LSG-10	8/22/2014	1122	0.048	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	908	NR	0.3	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	0.0	0.0	20.9	0.0	0.0
	1/12/2016	1147	0.089	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1632	NR	0.0	NR	NR	NR	NR	NR
	6/23/2016	1222	-0.823	0.0	0.0	0.0	20.9	0.0	0.0
	8/10/2016	1435	NR	0.0	NR	NR	NR	NR	NR
	2/28/2017	1510	-0.781	0.0	0.0	0.0	NR	NR	NR
SP-1	8/22/2014	1210	0.024	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	956	NR	0.2	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	NR	NR	NR	NR	NR
	1/12/2016	1253	NR	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1620	NR	1.1	NR	NR	NR	NR	NR
	6/23/2016	1316	NR	0.0	0.0	0.0	20.9	0.0	0.0
	2/28/2017	1411	-0.298	0.0	0.0	0.0	NR	NR	NR
SP-2	8/22/2014	1220	0.000	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	1009	NR	0.7	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	NR	NR	NR	NR	NR
	1/12/2016	1236	NR	0.0	0.0	0.0	20.9	0.0	0.0
	2/23/2016	1711	NR	0.0	NR	NR	NR	NR	NR
	6/23/2016	1122	NR	0.0	0.0	0.0	20.9	0.0	0.0
	2/28/2017	1610	-0.001	0.0	0.0	0.0	NR	NR	NR
PV-1	8/22/2014	NR	0.059	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	NR	NR	0.0	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	0.0	NR	NR	NR	NR	NR
	1/12/2016	NR	NR	NR	NR	NR	NR	NR	NR
	2/28/2017	NR	-1.491	0.0	0.0	0.0	NR	NR	NR
PV-2	8/22/2014	NR	0.063	0.0	0.0	0.0	20.9	0.0	0.0
	2/26/2015	NR	NR	0.0	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	0.9	NR	NR	NR	NR	NR
	1/12/2016	NR	NR	NR	NR	NR	NR	NR	NR
	2/28/2017	NR	-1.421	0.0	0.0	0.0	NR	NR	NR
PV-3	8/22/2014	NR	0.067	0.2	0.0	0.0	20.9	0.0	0.0
	2/26/2015	NR	NR	0.0	NR	NR	NR	NR	NR
	9/8/2015	NR	NR	NR	NR	NR	NR	NR	NR
	1/12/2016	NR	NR	NR	NR	NR	NR	NR	NR
	2/28/2017	NR	-1.581	0.0	0.0	0.0	NR	NR	NR

Notes:
NR: Not recorded.
NA: Not analyzed

Attachments

Attachment 1

City of Rochester
Bioremediation Injection Photo Log
Minnesota BioBusiness Center
221 First Avenue SW
Rochester, Minnesota
September 12-17, 2016

View of Orin's piping connected to DPE-3 well.

View of injection occurring at DPE-1.

View of vegetable oil mixture injection occurring at DPE-2.

View of injecting occurring at DPE-3.

View of injection hoses used for injection. The main hose was snaked through the DPE exhaust pipe and into the basement of the building.

View of injecting occurring at DPE-4. Up to 4 wells could be injected into at once.

City of Rochester
Bioremediation Injection Photo Log
Minnesota BioBusiness Center
221 First Avenue SW
Rochester, Minnesota
September 12-17, 2016

View of inflatable air packer used the last few days of the project to speed up injection.

View of inflatable air packer being used at DPE-3 during injection.

View of inflatable air packer being used to inject chemicals at DPE-2.

View of injection occurring at DPE-8.

Another view of DPE-2 during injection. A portable air tank was used to keep the inflatable air packers inflated during injection.

View of inflatable air packer being used to inject into DPE-7.

Bioaugmentation Injection Photo Log
Minnesota BioBusiness Center
221 First Avenue SW
Rochester, Minnesota
October 20, 2016

View of dehalogenating bacteria being injected into the DPE-4 well.

View of bacteria being measured out prior to injection.

The work consisted of injecting RTB-1TM, a mixture of living Dehalococcoides genus bacteria, into the DPE wells.

Nitrogen was used to inject the live bacteria into the DPE wells.

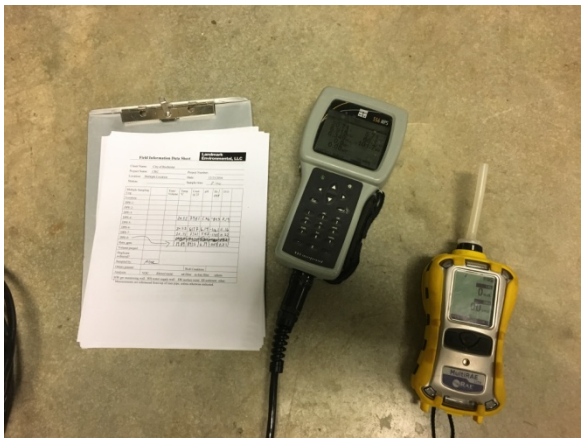
Approximately 3.5-liters of bacteria were injected into wells DPE-2 and DPE-3. 2-liters were injected into the 6 remaining DPE wells.

View of bacteria being injected into the DPE-3 well.

Methane and Lower Explosive Limit Monitoring Photo Log
Minnesota BioBusiness Center
221 First Avenue SW
Rochester, Minnesota
December 21, 2016

View of water quality monitoring with a YSI instrument being conducted at all of the monitoring wells and DPE wells.

View of methane and lower explosive limit (LEL) monitoring being conducted at soil gas ports (LSG-7 through LSG-10).



Ambient methane monitoring was conducted as well.

View of methane monitoring being conducted at all of the venting system riser pipes.

Attachment 2

Landmark

MN BioBusiness Center - Rochester, MN

Injection Summary Table 1

Injection Point	Date	Time On	Time Off	ABC Concentration	Injection Pressure (psi)	Flow Rate (gpm)	Gallons Injected	Comments
DPE-1	9/12/16			-	12	3.4	112	Water test with compression fitting
	9/13/16			-	8	3.1	25	Water test
	9/13/16	10:24	13:11	10%	8	0.3	52	Compression fitting leaked. Resealed and continued.
		14:30	16:16	10%	16	2.1	213	
	9/14/16	7:22	11:14	10%	22	0.9	210	Reinforced compression fitting with hose clamps, cable ties, and duct tape.
		11:55	17:08	10%	16	0.5	150	
	9/15/16	16:40	18:00	10%	38	0.78	120	Used an inflatable packer.
	9/16/16	7:00	13:25	10%	18	0.69	268	Used an inflatable packer.
							1150	**Total Gallons**

Table 1 Cont.

Injection Point	Date	Time On	Time Off	ABC Concentration	Injection Pressure (psi)	Flow Rate (gpm)	Gallons Injected	Comments
DPE-2	9/13/16	10:59	11:14	10%	15	2.0	28	Fitting blew off from pressure. Roughed up edges on pipe and resealed.
		11:47	13:11	10%	12	0.3	30	
		13:15	14:24	10%	-	0.3	25	Gravity feed
		14:30	16:16	10%	14	1.1	110	
		16:20	17:32	10%	18	1.5	127	
	9/14/16	7:22	11:14	10%	18	0.9	210	Reinforced fitting with hose clamps, cable ties, and duct tape.
		11:55	17:08	10%	20	0.53	157	
	9/15/16	13:32	14:06	10%	56	1.6	53	Used inflatable packer. Came up around well inside casing.
		16:06	16:32	10%	18	0.21	6	
	9/16/16	9:47	17:27	10%	18	1.40	404	
							1150	**Total Gallons**

Table 1 Cont.

Injection Point	Date	Time On	Time Off	ABC Concentration	Injection Pressure (psi)	Flow Rate (gpm)	Gallons Injected	Comments
DPE-3	9/13/16			-	17	2.8	105	Water Test
	9/13/16	10:24	10:40	10%	17	2.8	45	Fitting blew off from pressure. Made a lip with duct tape and resealed fitting.
		11:57	12:18	10%	22	1.5	31	
	9/13/16	13:15	14:24	10%	-	0.3	25	Gravity feed
		14:30	15:23	10%	18	1.5	70	Fitting blew off from pressure. Made a lip with duct tape and resealed fitting.
		16:20	16:36	10%	18	3.0	45	
	9/14/16	7:22	9:30	10%	16	1.3	155	Fitting blew off. Reinforced fitting with hose clamps, cable ties, and duct tape.
		10:20	11:14	10%	18	1.3	80	
		11:55	17:08	10%	24	0.93	248	
	9/15/16	14:25	18:00	10%	38	1.19	249	Used an inflatable packer.
	9/16/16	7:00	9:38	10%	44	0.80	97	Finished with well.
	9/17/16	7:32	12:43	10%	22	0.67	200	Added extra volume to source area well.
							1350	**Total Gallons**

Table 1 Cont.

Injection Point	Date	Time On	Time Off	ABC Concentration	Injection Pressure (psi)	Flow Rate (gpm)	Gallons Injected	Comments
DPE-4	9/13/16	14:30	16:16	10%	10	1.5	157	
	9/14/16	7:22	11:14	10%	18	0.9	210	
	9/15/16	7:10	13:30	10%	-	0.6	230	Gravity feed
	9/17/16	7:32	9:56	10%	20	1.4	208	Used inflatable packer.
							1150	**Total Gallons**
DPE-5	9/15/16	17:24	18:00	10%	45	1.5	45	Used inflatable packer.
	9/16/16	7:00	12:10	10%	26	3.5	1105	
							1150	**Total Gallons**
DPE-6	9/15/16	17:03	18:00	10%	14	3.3	195	Used inflatable packer.
	9/16/16	7:00	10:02	10%	14	5.3	955	
							1150	**Total Gallons**

Table 1 Cont.

Injection Point	Date	Time On	Time Off	ABC Concentration	Injection Pressure (psi)	Flow Rate (gpm)	Gallons Injected	Comments
DPE-7	9/16/16	16:04	17:32	10%	26	2.3	200	Used inflatable packer.
	9/17/16	7:32	12:43	10%	34	2.4	750	Connected with DPE-5 and DPE-6.
								200 gallons short went into DPE-3
							950	**Total Gallons**
DPE-8	9/16/16	11:31	12:30	10%	18	1.80	105	Reinforced fitting blew off.
		14:00	17:27	10%	24	5.0	1045	Used inflatable packer.
							1150	**Total Gallons**

Attachment 3

SiREM
Leading Science · Lasting Solutions

130 Stone Rd. W
Guelph, ON N1G 3Z2
(519) 822-2265

Certificate of Analysis: Gene-Trac® *Dehalococcoides* Assay

Customer: Aaron Kuck, Landmark Environmental LLC
Project: CrC
Customer Reference: Not Provided

SiREM Reference: S-4205
Report Date: 8-Feb-17
Data Files: iQ5B-DHC-TM-QPCR-1414
iQ5B-DB-DHC-TM-QPCR-0755

Table 1a: Test Results

Sample ID	*Dehalococcoides* (*Dhc*)	
	Percent Dhc[(1)]	**Enumeration/Liter[(2)]**
MW-14	0.0004 - 0.001 %	5×10^4
MW-15	0.0001 - 0.0004 %	3×10^4
MW-16	0.001 - 0.004 %	7×10^5
MW-17	0.003 - 0.009 %	6×10^4
MW-18	0.001 - 0.004 %	4×10^3
MW-19	0.00005 - 0.0002 %	3×10^3 J
MW-20	4 - 11 %	6×10^8
DPE-1	16 - 40 %	4×10^9
DPE-3	49 - 94 %	4×10^{10}

See final page for notes.

Analyst: Kela Bartle
Kela Bartle, B.Sc.
Laboratory Technician

Approved: Ximena Druar
Ximena Druar, B.Sc.
Genetic Testing Coordinator

SiREM
Leading Science · Lasting Solutions

130 Stone Rd. W
Guelph, ON N1G 3Z2
(519) 822-2265

Certificate of Analysis: Gene-Trac® Functional Gene Assay

Customer: Aaron Kuck, Landmark Environmental LLC
Project: CrC
Customer Reference: Not Provided

SiREM Reference: S-4205
Report Date: 8-Feb-17
Data Files: iQ5-FGA-QPCR-0924
iQ5-DB-FGA-QPCR-0627

Table 1b: Test Results

Sample ID	VC Reductase (*vcrA*)		BAV1 VC Reductase (*bvcA*)		TCE Reductase (*tceA*)	
	Percent *vcrA* [3]	Gene Copies/Liter	Percent *bvcA* [3]	Gene Copies/Liter	Percent *tceA* [3]	Gene Copies/Liter
MW-14	0.0002 - 0.0005 %	2×10^4	NA	2×10^4 U	0.00002 - 0.00006 %	3×10^3 J
MW-15	0.00007 - 0.0002 %	1×10^4 J	NA	3×10^4 U	0.000008 - 0.00002 %	2×10^3 J
MW-16	0.0006 - 0.002 %	3×10^5	NA	1×10^4 U	0.0001 - 0.0004 %	6×10^4
MW-17	0.001 - 0.003 %	2×10^4	NA	3×10^3 U	0.0001 - 0.0003 %	2×10^3 J
MW-18	0.0008 - 0.002 %	2×10^3 J	NA	3×10^3 U	NA	3×10^3 U
MW-19	0.00003 - 0.00008 %	1×10^3 J	NA	4×10^3 U	NA	4×10^3 U
MW-20	1 - 4 %	2×10^8	NA	6×10^3 U	0.8 - 2 %	1×10^8
DPE-1	5 - 14 %	1×10^9	NA	1×10^4 U	3 - 10 %	9×10^8
DPE-3	27 - 61 %	2×10^{10}	NA	3×10^4 U	18 - 46 %	1×10^{10}

See final page for notes.

Analyst: Kela Bartle
Kela Bartle, B.Sc.
Laboratory Technician

Approved: Ximena Druar
Ximena Druar, B.Sc.
Genetic Testing Coordinator

Table 2.1: Detailed Test Parameters, Gene-Trac Test Reference S-4205

Customer Sample ID	MW-14	MW-15	MW-16	MW-17	MW-18
SiREM Dhc Sample ID	DHC-13838	DHC-13839	DHC-13840	DHC-13841	DHC-13842
SiREM FGA Sample ID	FGA-7433	FGA-7434	FGA-7435	FGA-7436	FGA-7437
Date Sampled[(4)]	30-Jan-17	30-Jan-17	30-Jan-17	30-Jan-17	30-Jan-17
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Date Received [(4)]	31-Jan-17	31-Jan-17	31-Jan-17	31-Jan-17	31-Jan-17
Sample Temperature	0.1 ºC	0.1 ºC	0.1 ºC	0.1 ºC	0.1 ºC
Filtration Date [(4)]	1-Feb-17	1-Feb-17	1-Feb-17	1-Feb-17	1-Feb-17
Volume Used for DNA Extraction	60 mL	50 mL	100 mL	500 mL	500 mL
DNA Extraction Date	2-Feb-17	2-Feb-17	2-Feb-17	2-Feb-17	2-Feb-17
DNA Concentration in Sample (extractable)	26600 ng/L	40635 ng/L	96225 ng/L	4250 ng/L	600 ng/L (U)
PCR Amplifiable DNA	Detected	Detected	Detected	Detected	Detected
Dhc qPCR Date Analyzed	3-Feb-17	3-Feb-17	3-Feb-17	3-Feb-17	3-Feb-17
FGA qPCR Date Analyzed	6-Feb-17	6-Feb-17	6-Feb-17	6-Feb-17	6-Feb-17
Laboratory Controls (see Tables 3 & 4)	Passed	Passed	Passed	Passed	Passed
Comments	- -	- -	- -	- -	- -

See final page for notes.

Table 2.2: Detailed Test Parameters, Gene-Trac Test Reference S-4205

Customer Sample ID	MW-19	MW-20	DPE-1	DPE-3
SiREM Dhc Sample ID	DHC-13843	DHC-13844	DHC-13845	DHC-13846
SiREM FGA Sample ID	FGA-7438	FGA-7439	FGA-7440	FGA-7441
Date Sampled[(4)]	30-Jan-17	30-Jan-17	30-Jan-17	30-Jan-17
Matrix	Groundwater	Groundwater	Groundwater	Groundwater
Date Received [(4)]	31-Jan-17	31-Jan-17	31-Jan-17	31-Jan-17
Sample Temperature	0.1 ºC	0.1 ºC	0.1 ºC	0.1 ºC
Filtration Date [(4)]	1-Feb-17	1-Feb-17	1-Feb-17	1-Feb-17
Volume Used for DNA Extraction	300 mL	200 mL	100 mL	50 mL
DNA Extraction Date	2-Feb-17	2-Feb-17	2-Feb-17	2-Feb-17
DNA Concentration in Sample (extractable)	9540 ng/L	33255 ng/L	49515 ng/L	128445 ng/L
PCR Amplifiable DNA	Detected	Detected	Detected	Detected
Dhc qPCR Date Analyzed	3-Feb-17	3-Feb-17	3-Feb-17	3-Feb-17
FGA qPCR Date Analyzed	6-Feb-17	6-Feb-17	6-Feb-17	6-Feb-17
Laboratory Controls (see Tables 3 & 4)	Passed	Passed	Passed	Passed
Comments	- -	- -	- -	- -

See final page for notes.

Table 3: Gene-Trac Dhc Control Results, Test Reference S-4205

Laboratory Control	Analysis Date	Control Description	Spiked Dhc 16S rRNA Gene Copies per Liter	Recovered Dhc 16S rRNA Gene Copies per Liter	Comments
Positive Control Low Concentration	3-Feb-17	Genomic DNA (CSLD-1052)	1.3×10^{7}	1.4×10^{7}	Passed
Positive Control High Concentration	3-Feb-17	Genomic DNA (CSHD-1052)	2.2×10^{9}	1.7×10^{8} (5)	See Note 5
Extraction Control	3-Feb-17	Extraction Control (KB-0535)	2.9×10^{11}	2.7×10^{11}	Passed
DNA Extraction Blank	3-Feb-17	Sterile Water (FB-2774)	0	2.6×10^{3} U	Passed
Negative Control	3-Feb-17	Reagent Blank (TBD-1011)	0	2.6×10^{3} U	Passed

See final page for notes.

Table 4: Gene-Trac FGA Control Results, Test Reference S-4205

Laboratory Control	Analysis Date	Control Description	*vcrA*		*bvcA*		*tceA*		Comments
			Spiked Gene Copies per Reaction	Recovered Gene Copies per Reaction	Spiked Gene Copies per Reaction	Recovered Gene Copies per Reaction	Spiked Gene Copies per Reaction	Recovered Gene Copies per Reaction	
Positive Control Low Concentration	6-Feb-17	Genomic DNA (CSLF-0792)	2.7×10^4	2.1×10^4	2.2×10^4	1.7×10^4	2.0×10^4	2.4×10^4	Passed
Positive Control High Concentration	6-Feb-17	Genomic DNA (CSHF-0792)	2.7×10^6	3.4×10^6	1.9×10^6	5.9×10^6 (5)	3.5×10^6	5.5×10^6 (5)	See Note 5
DNA Extraction Blank	6-Feb-17	Sterile Water (FB-2774)	0	2.0×10^1 U	0	2.0×10^1 U	0	2.0×10^1 U	Passed
Negative Control	6-Feb-17	Reagent Blank (TBF-0763)	0	2.0×10^1 U	0	2.0×10^1 U	0	2.0×10^1 U	Passed

See final page for notes.

Notes:

Dhc = *Dehalococcoides*

vcrA = VC reductase

bvcA = BAV1 VC reductase

tceA = TCE reductase

FGA = functional gene assay

J The associated value is an estimated quantity between the method detection limit and quantitation limit.

U Not detected, associated value is the quantitation limit.

B Analyte was detected in the method blank within an order of magnitude of the test sample.

E Extracted genomic DNA was not detected in the sample.

I Sample inhibited the test reaction based on inability to PCR amplify extracted DNA with universal primers.

ng/L = nanograms per liter

mL = milliliter

NA = not applicable

ND = not detected

DNA = deoxyribonucleic acid

16S rRNA = 16S ribosomal ribonucleic acid

PCR = polymerase chain reaction

qPCR = quantitative PCR

°C = degrees Celsius

[1] Percent *Dehalococcoides* (Dhc) in microbial population. This value is calculated by dividing the number of Dhc 16S ribosomal ribonucleic acid (rRNA) gene copies by the total number of bacteria as estimated by the mass of DNA extracted from the sample. Range represents normal variation in Dhc enumeration.

[2] Based on quantification of Dhc 16S rRNA gene copies. Dhc are generally reported to contain one 16S rRNA gene copy per cell; therefore, this number is often interpreted to represent the number of Dhc cells present in the sample.

[3] Percent of functional gene in microbial population. This value is calculated by dividing the functional gene copies quantified by the total number of estimated prokaryotes in the sample (based on the total quantity of DNA extracted from the sample). A value of 100% would suggest that all microbes in the sample contain the gene.

[4]Samples are stabilized by freezing at -80 °C upon sample reception (field filters) or in-lab filtration (groundwater). Hold time not exceeded if sampling date is within 14 days of date received or filtration date.

[5]Control was outside recovery limit guidelines (+/- 50%), however, test results are deemed acceptable if one of two positive controls falls within the recovery limit guidelines.

SiREM

Chain-of-Custody Form

siremlab.com

180A Market Place Blvd.
Knoxville, TN 37922
(865) 330-0037

Lab # SK-0440

S-4205

Project Name	Cr6
Project #	
Project Manager	Aaron Kuck
Email	aKuck@landmarkenv.com
Company	Landmark Environmental, LLC
Address	2042 W. 98th Street
	Bloomington, MN
Phone #	612-750-9601
Sampler's Signature	
Sampler's Printed Name	Aaron Kuck

Analysis

Preservative	0	0	0	0								
	Gene-Trac DHC	Gene-Trac VC	Gene-Trac tceA	Gene-Trac bvcA								

Preservative Key
0. None
1. HCL
2. Other _____
3. Other _____
4. Other _____
5. Other _____
6. Other _____

Client Sample ID	Lab ID	Sampling Date	Sampling Time	Matrix	# of Containers	Other Information
MW-14		1/30/17	12:30	GW	1	
MW-15			1:25	GW	1	
MW-16			11:30	GW	1	
MW-17			11:00	GW	1	
MW-18			10:15	GW	1	
MW-19			12:50	GW	1	
MW-20			1:15	GW	1	
DPE-1			1:45	GW	1	
DPE-3		↓	2:00	GW	1	

Sample Receipt

Cooler Condition: Good

Cooler Temperature: 0.1 °C

Custody Seals: Yes ☐ No ☒

Invoice Information

P.O. #

Bill To: Sharon Paradise

sparadise@landmarkenv.com

For Lab Use Only

Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature	Signature	Signature	Signature	Signature	Signature
Printed Name: Aaron Kuck	Printed Name: Jacques Smith	Printed Name	Printed Name	Printed Name	Printed Name
Firm: Landmark Environmental	Firm: SiREM	Firm	Firm	Firm	Firm
Date/Time: 1/30/17 4:45 PM	Date/Time: 31-1-17 0920	Date/Time	Date/Time	Date/Time	Date/Time

Distribution: White - Return to Originator: Yellow - Lab Copy: Pink - Retained by Client

In the absence of an executed agreement, submission of samples to SiREM implies consent for performance of analyses specified on this Chain-of-Custody form and agreement with the terms and conditions of the SiREM Laboratory Services Agreement. The entity submitting samples shall be responsible for payment in full for said analyses.

Attachment 4

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

December 07, 2016

Mr. Jason Skramstad
Landmark Environmental
2042 W. 98th. St.
Minneapolis, MN 55431

RE: Project: C&C
Pace Project No.: 10371561

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on November 29, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Chris Bremer
chris.bremer@pacelabs.com
Project Manager

Enclosures

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: C&C
Pace Project No.: 10371561

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: C&C
Pace Project No.: 10371561

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10371561001	**MW15**	Water	11/29/16 10:45	11/29/16 16:25
10371561002	**MW16**	Water	11/29/16 11:00	11/29/16 16:25
10371561003	**MW17**	Water	11/29/16 11:15	11/29/16 16:25
10371561004	**MW18**	Water	11/29/16 11:30	11/29/16 16:25
10371561005	**MW19**	Water	11/29/16 11:45	11/29/16 16:25
10371561006	**MW20**	Water	11/29/16 11:55	11/29/16 16:25
10371561007	**DPE-1**	Water	11/29/16 12:10	11/29/16 16:25
10371561008	**DPE-2**	Water	11/29/16 12:20	11/29/16 16:25
10371561009	**DPE-3**	Water	11/29/16 12:40	11/29/16 16:25
10371561010	**DPE-4**	Water	11/29/16 13:00	11/29/16 16:25
10371561011	**DPE-5**	Water	11/29/16 13:20	11/29/16 16:25
10371561012	**DPE-6**	Water	11/29/16 13:40	11/29/16 16:25
10371561013	**DPE-7**	Water	11/29/16 14:00	11/29/16 16:25
10371561014	**DPE-8**	Water	11/29/16 14:20	11/29/16 16:25
10371561015	**MW14**	Water	11/29/16 10:30	11/29/16 16:25
10371561016	**Trip Blank**	Water	11/29/16 00:00	11/29/16 16:25

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: C&C
Pace Project No.: 10371561

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10371561001	**MW15**	EPA 8260B	EMC	70
10371561002	**MW16**	EPA 8260B	EMC, PRD	70
10371561003	**MW17**	EPA 8260B	PRD	70
10371561004	**MW18**	EPA 8260B	EMC	70
10371561005	**MW19**	EPA 8260B	EMC	70
10371561006	**MW20**	EPA 8260B	EMC, PRD	70
10371561007	**DPE-1**	EPA 8260B	EMC	70
10371561008	**DPE-2**	EPA 8260B	EMC	70
10371561009	**DPE-3**	EPA 8260B	EMC	70
10371561010	**DPE-4**	EPA 8260B	EMC	70
10371561011	**DPE-5**	EPA 8260B	EMC	70
10371561012	**DPE-6**	EPA 8260B	PRD	70
10371561013	**DPE-7**	EPA 8260B	PRD	70
10371561014	**DPE-8**	EPA 8260B	PRD	70
10371561015	**MW14**	EPA 8260B	PRD	70
10371561016	**Trip Blank**	EPA 8260B	EMC	70

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW15 **Lab ID: 10371561001** Collected: 11/29/16 10:45 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/01/16 14:06	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 14:06	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 14:06	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 14:06	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 14:06	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 14:06	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 14:06	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 14:06	74-83-9	CL
2-Butanone (MEK)	**13.3**	ug/L	5.0	1		12/01/16 14:06	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 14:06	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 14:06	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/01/16 14:06	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 14:06	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 14:06	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 14:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 14:06	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 14:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 14:06	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 14:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 14:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/01/16 14:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 14:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/01/16 14:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 14:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 14:06	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 14:06	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 14:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 14:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 14:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 14:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 14:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 14:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 14:06	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 14:06	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 14:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 14:06	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 14:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 14:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 14:06	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW15 **Lab ID: 10371561001** Collected: 11/29/16 10:45 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 14:06	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 14:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 14:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 14:06	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.0	1		12/01/16 14:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 14:06	109-99-9	
Toluene	ND	ug/L	1.0	1		12/01/16 14:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/01/16 14:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/01/16 14:06	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/01/16 14:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 14:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 14:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/01/16 14:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 14:06	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		12/01/16 14:06	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 14:06	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%.	75-125	1		12/01/16 14:06	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		12/01/16 14:06	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		12/01/16 14:06	460-00-4	

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW16 **Lab ID: 10371561002** Collected: 11/29/16 11:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/01/16 15:23	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 15:23	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 15:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 15:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 15:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 15:23	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 15:23	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 15:23	74-83-9	CL
2-Butanone (MEK)	**46.1**	ug/L	5.0	1		12/01/16 15:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 15:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 15:23	75-00-3	
Chloroform	**25.3**	ug/L	1.0	1		12/01/16 15:23	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 15:23	74-87-3	
2-Chlorotoluene	**1.1**	ug/L	1.0	1		12/01/16 15:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 15:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 15:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 15:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 15:23	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 15:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 15:23	75-71-8	
1,1-Dichloroethane	**4.9**	ug/L	1.0	1		12/01/16 15:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 15:23	107-06-2	
1,1-Dichloroethene	**17.7**	ug/L	1.0	1		12/01/16 15:23	75-35-4	
cis-1,2-Dichloroethene	**456**	ug/L	50.0	50		12/02/16 17:45	156-59-2	
trans-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		12/01/16 15:23	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 15:23	75-43-4	
1,2-Dichloropropane	**17.6**	ug/L	4.0	1		12/01/16 15:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 15:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 15:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 15:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 15:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 15:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 15:23	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 15:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 15:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 15:23	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 15:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 15:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 15:23	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW16 **Lab ID: 10371561002** Collected: 11/29/16 11:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 15:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 15:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 15:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 15:23	79-34-5	
Tetrachloroethene	**25200**	ug/L	50.0	50		12/02/16 17:45	127-18-4	E,P2
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 15:23	109-99-9	
Toluene	**1.3**	ug/L	1.0	1		12/01/16 15:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 15:23	120-82-1	
1,1,1-Trichloroethane	**42.6**	ug/L	1.0	1		12/01/16 15:23	71-55-6	
1,1,2-Trichloroethane	**6.6**	ug/L	1.0	1		12/01/16 15:23	79-00-5	
Trichloroethene	**159**	ug/L	0.40	1		12/01/16 15:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 15:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 15:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	**2010**	ug/L	50.0	50		12/02/16 17:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 15:23	108-67-8	
Vinyl chloride	**5.2**	ug/L	0.20	1		12/01/16 15:23	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 15:23	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		12/01/16 15:23	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		12/01/16 15:23	2037-26-5	
4-Bromofluorobenzene (S)	92	%.	75-125	1		12/01/16 15:23	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW17 **Lab ID: 10371561003** Collected: 11/29/16 11:15 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**31.2**	ug/L	20.0	1		12/02/16 15:57	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/02/16 15:57	107-05-1	
Benzene	ND	ug/L	1.0	1		12/02/16 15:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/02/16 15:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/02/16 15:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/02/16 15:57	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/02/16 15:57	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/02/16 15:57	74-83-9	CL
2-Butanone (MEK)	**224**	ug/L	5.0	1		12/02/16 15:57	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/02/16 15:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/16 15:57	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/02/16 15:57	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/02/16 15:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 15:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 15:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/02/16 15:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/02/16 15:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/02/16 15:57	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/02/16 15:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/02/16 15:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/02/16 15:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/02/16 15:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/02/16 15:57	75-35-4	
cis-1,2-Dichloroethene	**3.8**	ug/L	1.0	1		12/02/16 15:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 15:57	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 15:57	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 15:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/02/16 15:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 15:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/02/16 15:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 15:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 15:57	10061-02-6	L3
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/02/16 15:57	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/02/16 15:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/02/16 15:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/02/16 15:57	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/02/16 15:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/02/16 15:57	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/02/16 15:57	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW17 **Lab ID: 10371561003** Collected: 11/29/16 11:15 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/02/16 15:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	103-65-1	
Styrene	ND	ug/L	1.0	1		12/02/16 15:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 15:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 15:57	79-34-5	
Tetrachloroethene	**47.3**	ug/L	1.0	1		12/02/16 15:57	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/02/16 15:57	109-99-9	
Toluene	ND	ug/L	1.0	1		12/02/16 15:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 15:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/02/16 15:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/02/16 15:57	79-00-5	
Trichloroethene	**1.5**	ug/L	0.40	1		12/02/16 15:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 15:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/02/16 15:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/02/16 15:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 15:57	108-67-8	
Vinyl chloride	**0.45**	ug/L	0.20	1		12/02/16 15:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/02/16 15:57	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%.	75-125	1		12/02/16 15:57	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		12/02/16 15:57	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	1		12/02/16 15:57	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW18 **Lab ID: 10371561004** Collected: 11/29/16 11:30 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/01/16 13:05	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 13:05	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 13:05	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 13:05	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 13:05	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 13:05	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 13:05	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 13:05	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/01/16 13:05	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 13:05	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 13:05	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/01/16 13:05	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 13:05	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 13:05	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 13:05	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 13:05	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 13:05	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 13:05	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 13:05	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 13:05	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/01/16 13:05	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 13:05	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:05	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:05	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:05	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 13:05	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 13:05	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 13:05	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 13:05	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 13:05	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 13:05	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 13:05	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 13:05	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 13:05	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 13:05	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 13:05	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 13:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 13:05	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 13:05	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW18 **Lab ID: 10371561004** Collected: 11/29/16 11:30 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 13:05	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 13:05	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 13:05	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 13:05	79-34-5	
Tetrachloroethene	**6.7**	ug/L	1.0	1		12/01/16 13:05	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 13:05	109-99-9	
Toluene	ND	ug/L	1.0	1		12/01/16 13:05	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:05	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/01/16 13:05	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/01/16 13:05	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/01/16 13:05	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 13:05	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 13:05	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/01/16 13:05	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 13:05	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		12/01/16 13:05	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 13:05	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	1		12/01/16 13:05	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		12/01/16 13:05	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		12/01/16 13:05	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW19 **Lab ID: 10371561005** Collected: 11/29/16 11:45 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/01/16 13:35	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 13:35	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 13:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 13:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 13:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 13:35	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 13:35	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 13:35	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/01/16 13:35	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 13:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 13:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/01/16 13:35	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 13:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 13:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 13:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 13:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 13:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 13:35	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 13:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 13:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/01/16 13:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 13:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 13:35	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 13:35	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 13:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 13:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 13:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 13:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 13:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 13:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 13:35	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 13:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 13:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 13:35	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 13:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 13:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 13:35	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW19 **Lab ID: 10371561005** Collected: 11/29/16 11:45 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 13:35	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 13:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 13:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 13:35	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		12/01/16 13:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 13:35	109-99-9	
Toluene	ND	ug/L	1.0	1		12/01/16 13:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 13:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/01/16 13:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/01/16 13:35	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/01/16 13:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 13:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 13:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/01/16 13:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 13:35	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		12/01/16 13:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 13:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	96	%.	75-125	1		12/01/16 13:35	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		12/01/16 13:35	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		12/01/16 13:35	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW20 **Lab ID: 10371561006** Collected: 11/29/16 11:55 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**21.9**	ug/L	20.0	1		12/01/16 14:22	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 14:22	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 14:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 14:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 14:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 14:22	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 14:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 14:22	74-83-9	CL
2-Butanone (MEK)	**45.5**	ug/L	5.0	1		12/01/16 14:22	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 14:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 14:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/01/16 14:22	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 14:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 14:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 14:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 14:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 14:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 14:22	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 14:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 14:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/01/16 14:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 14:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/01/16 14:22	75-35-4	
cis-1,2-Dichloroethene	**647**	ug/L	20.0	20		12/02/16 18:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 14:22	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 14:22	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 14:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 14:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 14:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 14:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 14:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 14:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 14:22	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 14:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 14:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 14:22	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 14:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 14:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 14:22	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW20 **Lab ID: 10371561006** Collected: 11/29/16 11:55 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 14:22	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 14:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 14:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 14:22	79-34-5	
Tetrachloroethene	**2.1**	ug/L	1.0	1		12/01/16 14:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 14:22	109-99-9	
Toluene	ND	ug/L	1.0	1		12/01/16 14:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 14:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/01/16 14:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/01/16 14:22	79-00-5	
Trichloroethene	**1.1**	ug/L	0.40	1		12/01/16 14:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 14:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 14:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.3**	ug/L	1.0	1		12/01/16 14:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 14:22	108-67-8	
Vinyl chloride	**7.7**	ug/L	0.20	1		12/01/16 14:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 14:22	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%.	75-125	1		12/01/16 14:22	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		12/01/16 14:22	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	75-125	1		12/01/16 14:22	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-1 **Lab ID: 10371561007** Collected: 11/29/16 12:10 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**426**	ug/L	200	10		12/01/16 17:26	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		12/01/16 17:26	107-05-1	
Benzene	ND	ug/L	10.0	10		12/01/16 17:26	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		12/01/16 17:26	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		12/01/16 17:26	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		12/01/16 17:26	75-27-4	
Bromoform	ND	ug/L	40.0	10		12/01/16 17:26	75-25-2	
Bromomethane	ND	ug/L	40.0	10		12/01/16 17:26	74-83-9	CL
2-Butanone (MEK)	**804**	ug/L	50.0	10		12/01/16 17:26	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	10		12/01/16 17:26	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	108-90-7	
Chloroethane	ND	ug/L	10.0	10		12/01/16 17:26	75-00-3	
Chloroform	ND	ug/L	10.0	10		12/01/16 17:26	67-66-3	
Chloromethane	ND	ug/L	40.0	10		12/01/16 17:26	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 17:26	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 17:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		12/01/16 17:26	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		12/01/16 17:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		12/01/16 17:26	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		12/01/16 17:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		12/01/16 17:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	10		12/01/16 17:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		12/01/16 17:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		12/01/16 17:26	75-35-4	
cis-1,2-Dichloroethene	**16.6**	ug/L	10.0	10		12/01/16 17:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		12/01/16 17:26	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 17:26	75-43-4	
1,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 17:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		12/01/16 17:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 17:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		12/01/16 17:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 17:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 17:26	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		12/01/16 17:26	60-29-7	
Ethylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		12/01/16 17:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		12/01/16 17:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		12/01/16 17:26	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		12/01/16 17:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		12/01/16 17:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		12/01/16 17:26	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-1 **Lab ID: 10371561007** Collected: 11/29/16 12:10 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	40.0	10		12/01/16 17:26	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	103-65-1	
Styrene	ND	ug/L	10.0	10		12/01/16 17:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 17:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 17:26	79-34-5	
Tetrachloroethene	**261**	ug/L	10.0	10		12/01/16 17:26	127-18-4	
Tetrahydrofuran	ND	ug/L	100	10		12/01/16 17:26	109-99-9	
Toluene	ND	ug/L	10.0	10		12/01/16 17:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		12/01/16 17:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		12/01/16 17:26	79-00-5	
Trichloroethene	**16.5**	ug/L	4.0	10		12/01/16 17:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 17:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	10		12/01/16 17:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	**25.1**	ug/L	10.0	10		12/01/16 17:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 17:26	108-67-8	
Vinyl chloride	**68.1**	ug/L	2.0	10		12/01/16 17:26	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		12/01/16 17:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	92	%.	75-125	10		12/01/16 17:26	17060-07-0	D3
Toluene-d8 (S)	99	%.	75-125	10		12/01/16 17:26	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	75-125	10		12/01/16 17:26	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-2 **Lab ID: 10371561008** Collected: 11/29/16 12:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	200	10		12/01/16 16:40	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		12/01/16 16:40	107-05-1	
Benzene	ND	ug/L	10.0	10		12/01/16 16:40	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		12/01/16 16:40	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		12/01/16 16:40	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		12/01/16 16:40	75-27-4	
Bromoform	ND	ug/L	40.0	10		12/01/16 16:40	75-25-2	
Bromomethane	ND	ug/L	40.0	10		12/01/16 16:40	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	50.0	10		12/01/16 16:40	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	10		12/01/16 16:40	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	108-90-7	
Chloroethane	ND	ug/L	10.0	10		12/01/16 16:40	75-00-3	
Chloroform	ND	ug/L	10.0	10		12/01/16 16:40	67-66-3	
Chloromethane	ND	ug/L	40.0	10		12/01/16 16:40	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 16:40	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 16:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		12/01/16 16:40	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		12/01/16 16:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		12/01/16 16:40	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		12/01/16 16:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		12/01/16 16:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	10		12/01/16 16:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		12/01/16 16:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		12/01/16 16:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		12/01/16 16:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		12/01/16 16:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 16:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 16:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		12/01/16 16:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 16:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		12/01/16 16:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 16:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 16:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		12/01/16 16:40	60-29-7	
Ethylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		12/01/16 16:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		12/01/16 16:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		12/01/16 16:40	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		12/01/16 16:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		12/01/16 16:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		12/01/16 16:40	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-2 **Lab ID: 10371561008** Collected: 11/29/16 12:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	40.0	10		12/01/16 16:40	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	103-65-1	
Styrene	ND	ug/L	10.0	10		12/01/16 16:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 16:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 16:40	79-34-5	
Tetrachloroethene	**522**	ug/L	10.0	10		12/01/16 16:40	127-18-4	
Tetrahydrofuran	ND	ug/L	100	10		12/01/16 16:40	109-99-9	
Toluene	ND	ug/L	10.0	10		12/01/16 16:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 16:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		12/01/16 16:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		12/01/16 16:40	79-00-5	
Trichloroethene	**8.1**	ug/L	4.0	10		12/01/16 16:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 16:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	10		12/01/16 16:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**37.9**	ug/L	10.0	10		12/01/16 16:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 16:40	108-67-8	
Vinyl chloride	**57.3**	ug/L	2.0	10		12/01/16 16:40	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		12/01/16 16:40	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	10		12/01/16 16:40	17060-07-0	D3
Toluene-d8 (S)	103	%.	75-125	10		12/01/16 16:40	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	10		12/01/16 16:40	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-3 **Lab ID: 10371561009** Collected: 11/29/16 12:40 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	400	20		12/01/16 16:56	67-64-1	
Allyl chloride	ND	ug/L	80.0	20		12/01/16 16:56	107-05-1	
Benzene	ND	ug/L	20.0	20		12/01/16 16:56	71-43-2	
Bromobenzene	ND	ug/L	20.0	20		12/01/16 16:56	108-86-1	
Bromochloromethane	ND	ug/L	20.0	20		12/01/16 16:56	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	20		12/01/16 16:56	75-27-4	
Bromoform	ND	ug/L	80.0	20		12/01/16 16:56	75-25-2	
Bromomethane	ND	ug/L	80.0	20		12/01/16 16:56	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	100	20		12/01/16 16:56	78-93-3	
n-Butylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	104-51-8	
sec-Butylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	135-98-8	
tert-Butylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	20		12/01/16 16:56	56-23-5	
Chlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	108-90-7	
Chloroethane	ND	ug/L	20.0	20		12/01/16 16:56	75-00-3	
Chloroform	ND	ug/L	20.0	20		12/01/16 16:56	67-66-3	
Chloromethane	ND	ug/L	80.0	20		12/01/16 16:56	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	20		12/01/16 16:56	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	20		12/01/16 16:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	80.0	20		12/01/16 16:56	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	20		12/01/16 16:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	20		12/01/16 16:56	106-93-4	
Dibromomethane	ND	ug/L	80.0	20		12/01/16 16:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	20		12/01/16 16:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	20		12/01/16 16:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	20.0	20		12/01/16 16:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	20.0	20		12/01/16 16:56	75-35-4	
cis-1,2-Dichloroethene	**37.5**	ug/L	20.0	20		12/01/16 16:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	20		12/01/16 16:56	156-60-5	
Dichlorofluoromethane	ND	ug/L	20.0	20		12/01/16 16:56	75-43-4	
1,2-Dichloropropane	ND	ug/L	80.0	20		12/01/16 16:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	20		12/01/16 16:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	80.0	20		12/01/16 16:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	20		12/01/16 16:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	80.0	20		12/01/16 16:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	80.0	20		12/01/16 16:56	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	80.0	20		12/01/16 16:56	60-29-7	
Ethylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	20		12/01/16 16:56	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	20.0	20		12/01/16 16:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	20.0	20		12/01/16 16:56	99-87-6	
Methylene Chloride	ND	ug/L	80.0	20		12/01/16 16:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	20		12/01/16 16:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	20		12/01/16 16:56	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-3 **Lab ID: 10371561009** Collected: 11/29/16 12:40 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	80.0	20		12/01/16 16:56	91-20-3	
n-Propylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	103-65-1	
Styrene	ND	ug/L	20.0	20		12/01/16 16:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	20		12/01/16 16:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	20		12/01/16 16:56	79-34-5	
Tetrachloroethene	**4690**	ug/L	20.0	20		12/01/16 16:56	127-18-4	
Tetrahydrofuran	ND	ug/L	200	20		12/01/16 16:56	109-99-9	
Toluene	ND	ug/L	20.0	20		12/01/16 16:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	20		12/01/16 16:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	20		12/01/16 16:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	20		12/01/16 16:56	79-00-5	
Trichloroethene	**38.4**	ug/L	8.0	20		12/01/16 16:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		12/01/16 16:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	80.0	20		12/01/16 16:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	**530**	ug/L	20.0	20		12/01/16 16:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	20.0	20		12/01/16 16:56	108-67-8	
Vinyl chloride	**143**	ug/L	4.0	20		12/01/16 16:56	75-01-4	
Xylene (Total)	ND	ug/L	60.0	20		12/01/16 16:56	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	20		12/01/16 16:56	17060-07-0	
Toluene-d8 (S)	110	%.	75-125	20		12/01/16 16:56	2037-26-5	
4-Bromofluorobenzene (S)	99	%.	75-125	20		12/01/16 16:56	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-4 **Lab ID: 10371561010** Collected: 11/29/16 13:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	200	10		12/01/16 17:11	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		12/01/16 17:11	107-05-1	
Benzene	ND	ug/L	10.0	10		12/01/16 17:11	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		12/01/16 17:11	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		12/01/16 17:11	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		12/01/16 17:11	75-27-4	
Bromoform	ND	ug/L	40.0	10		12/01/16 17:11	75-25-2	
Bromomethane	ND	ug/L	40.0	10		12/01/16 17:11	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	50.0	10		12/01/16 17:11	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	10		12/01/16 17:11	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	108-90-7	
Chloroethane	ND	ug/L	10.0	10		12/01/16 17:11	75-00-3	
Chloroform	ND	ug/L	10.0	10		12/01/16 17:11	67-66-3	
Chloromethane	ND	ug/L	40.0	10		12/01/16 17:11	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 17:11	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		12/01/16 17:11	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		12/01/16 17:11	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		12/01/16 17:11	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		12/01/16 17:11	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		12/01/16 17:11	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		12/01/16 17:11	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	10		12/01/16 17:11	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		12/01/16 17:11	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		12/01/16 17:11	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		12/01/16 17:11	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		12/01/16 17:11	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 17:11	75-43-4	
1,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 17:11	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		12/01/16 17:11	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		12/01/16 17:11	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		12/01/16 17:11	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 17:11	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		12/01/16 17:11	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		12/01/16 17:11	60-29-7	
Ethylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		12/01/16 17:11	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		12/01/16 17:11	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		12/01/16 17:11	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		12/01/16 17:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		12/01/16 17:11	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		12/01/16 17:11	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-4 **Lab ID: 10371561010** Collected: 11/29/16 13:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	40.0	10		12/01/16 17:11	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	103-65-1	
Styrene	ND	ug/L	10.0	10		12/01/16 17:11	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 17:11	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		12/01/16 17:11	79-34-5	
Tetrachloroethene	**670**	ug/L	10.0	10		12/01/16 17:11	127-18-4	
Tetrahydrofuran	ND	ug/L	100	10		12/01/16 17:11	109-99-9	
Toluene	ND	ug/L	10.0	10		12/01/16 17:11	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		12/01/16 17:11	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		12/01/16 17:11	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		12/01/16 17:11	79-00-5	
Trichloroethene	**41.5**	ug/L	4.0	10		12/01/16 17:11	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		12/01/16 17:11	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	10		12/01/16 17:11	96-18-4	
1,1,2-Trichlorotrifluoroethane	**102**	ug/L	10.0	10		12/01/16 17:11	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		12/01/16 17:11	108-67-8	
Vinyl chloride	**121**	ug/L	2.0	10		12/01/16 17:11	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		12/01/16 17:11	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	10		12/01/16 17:11	17060-07-0	D3
Toluene-d8 (S)	105	%.	75-125	10		12/01/16 17:11	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125	10		12/01/16 17:11	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-5 **Lab ID: 10371561011** Collected: 11/29/16 13:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	400	20		12/01/16 17:42	67-64-1	
Allyl chloride	ND	ug/L	80.0	20		12/01/16 17:42	107-05-1	
Benzene	ND	ug/L	20.0	20		12/01/16 17:42	71-43-2	
Bromobenzene	ND	ug/L	20.0	20		12/01/16 17:42	108-86-1	
Bromochloromethane	ND	ug/L	20.0	20		12/01/16 17:42	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	20		12/01/16 17:42	75-27-4	
Bromoform	ND	ug/L	80.0	20		12/01/16 17:42	75-25-2	
Bromomethane	ND	ug/L	80.0	20		12/01/16 17:42	74-83-9	CL
2-Butanone (MEK)	**210**	ug/L	100	20		12/01/16 17:42	78-93-3	
n-Butylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	104-51-8	
sec-Butylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	135-98-8	
tert-Butylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	20		12/01/16 17:42	56-23-5	
Chlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	108-90-7	
Chloroethane	ND	ug/L	20.0	20		12/01/16 17:42	75-00-3	
Chloroform	ND	ug/L	20.0	20		12/01/16 17:42	67-66-3	
Chloromethane	ND	ug/L	80.0	20		12/01/16 17:42	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	20		12/01/16 17:42	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	20		12/01/16 17:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	80.0	20		12/01/16 17:42	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	20		12/01/16 17:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	20		12/01/16 17:42	106-93-4	
Dibromomethane	ND	ug/L	80.0	20		12/01/16 17:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	20		12/01/16 17:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	20		12/01/16 17:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	20.0	20		12/01/16 17:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	20.0	20		12/01/16 17:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	20.0	20		12/01/16 17:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	20		12/01/16 17:42	156-60-5	
Dichlorofluoromethane	ND	ug/L	20.0	20		12/01/16 17:42	75-43-4	
1,2-Dichloropropane	ND	ug/L	80.0	20		12/01/16 17:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	20		12/01/16 17:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	80.0	20		12/01/16 17:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	20		12/01/16 17:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	80.0	20		12/01/16 17:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	80.0	20		12/01/16 17:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	80.0	20		12/01/16 17:42	60-29-7	
Ethylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	20		12/01/16 17:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	20.0	20		12/01/16 17:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	20.0	20		12/01/16 17:42	99-87-6	
Methylene Chloride	ND	ug/L	80.0	20		12/01/16 17:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	20		12/01/16 17:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	20		12/01/16 17:42	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-5 **Lab ID: 10371561011** Collected: 11/29/16 13:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	80.0	20		12/01/16 17:42	91-20-3	
n-Propylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	103-65-1	
Styrene	ND	ug/L	20.0	20		12/01/16 17:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	20		12/01/16 17:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	20		12/01/16 17:42	79-34-5	
Tetrachloroethene	**124**	ug/L	20.0	20		12/01/16 17:42	127-18-4	
Tetrahydrofuran	ND	ug/L	200	20		12/01/16 17:42	109-99-9	
Toluene	ND	ug/L	20.0	20		12/01/16 17:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	20		12/01/16 17:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	20		12/01/16 17:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	20		12/01/16 17:42	79-00-5	
Trichloroethene	ND	ug/L	8.0	20		12/01/16 17:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		12/01/16 17:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	80.0	20		12/01/16 17:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	20.0	20		12/01/16 17:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	20.0	20		12/01/16 17:42	108-67-8	
Vinyl chloride	ND	ug/L	4.0	20		12/01/16 17:42	75-01-4	
Xylene (Total)	ND	ug/L	60.0	20		12/01/16 17:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	75-125	20		12/01/16 17:42	17060-07-0	D3
Toluene-d8 (S)	103	%.	75-125	20		12/01/16 17:42	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	75-125	20		12/01/16 17:42	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-6 **Lab ID: 10371561012** Collected: 11/29/16 13:40 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**62.5**	ug/L	20.0	1		12/02/16 13:24	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/02/16 13:24	107-05-1	
Benzene	ND	ug/L	1.0	1		12/02/16 13:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/02/16 13:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/02/16 13:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/02/16 13:24	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/02/16 13:24	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/02/16 13:24	74-83-9	CL
2-Butanone (MEK)	**112**	ug/L	5.0	1		12/02/16 13:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/02/16 13:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/16 13:24	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/02/16 13:24	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/02/16 13:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/02/16 13:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/02/16 13:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/02/16 13:24	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/02/16 13:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/02/16 13:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/02/16 13:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/02/16 13:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:24	10061-02-6	L3
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/02/16 13:24	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/02/16 13:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/02/16 13:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/02/16 13:24	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/02/16 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/02/16 13:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/02/16 13:24	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-6 **Lab ID: 10371561012** Collected: 11/29/16 13:40 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/02/16 13:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	103-65-1	
Styrene	ND	ug/L	1.0	1		12/02/16 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:24	79-34-5	
Tetrachloroethene	**1.3**	ug/L	1.0	1		12/02/16 13:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/02/16 13:24	109-99-9	
Toluene	ND	ug/L	1.0	1		12/02/16 13:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:24	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/02/16 13:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/02/16 13:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/02/16 13:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:24	108-67-8	
Vinyl chloride	**0.32**	ug/L	0.20	1		12/02/16 13:24	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/02/16 13:24	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	91	%.	75-125	1		12/02/16 13:24	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		12/02/16 13:24	2037-26-5	
4-Bromofluorobenzene (S)	90	%.	75-125	1		12/02/16 13:24	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-7 **Lab ID: 10371561013** Collected: 11/29/16 14:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**21.2**	ug/L	20.0	1		12/02/16 13:39	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/02/16 13:39	107-05-1	
Benzene	ND	ug/L	1.0	1		12/02/16 13:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/02/16 13:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/02/16 13:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/02/16 13:39	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/02/16 13:39	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/02/16 13:39	74-83-9	CL
2-Butanone (MEK)	**303**	ug/L	5.0	1		12/02/16 13:39	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/02/16 13:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/16 13:39	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/02/16 13:39	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/02/16 13:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/02/16 13:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/02/16 13:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/02/16 13:39	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/02/16 13:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	106-46-7	
Dichlorodifluoromethane	**1.8**	ug/L	1.0	1		12/02/16 13:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:39	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:39	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/02/16 13:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/02/16 13:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:39	10061-02-6	L3
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/02/16 13:39	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/02/16 13:39	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/02/16 13:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/02/16 13:39	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/02/16 13:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/02/16 13:39	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/02/16 13:39	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-7 **Lab ID: 10371561013** Collected: 11/29/16 14:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/02/16 13:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	103-65-1	
Styrene	ND	ug/L	1.0	1		12/02/16 13:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:39	79-34-5	
Tetrachloroethene	**10**	ug/L	1.0	1		12/02/16 13:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/02/16 13:39	109-99-9	
Toluene	ND	ug/L	1.0	1		12/02/16 13:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:39	79-00-5	
Trichloroethene	**1.3**	ug/L	0.40	1		12/02/16 13:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/02/16 13:39	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/02/16 13:39	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:39	108-67-8	
Vinyl chloride	**3.6**	ug/L	0.20	1		12/02/16 13:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/02/16 13:39	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	90	%.	75-125	1		12/02/16 13:39	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		12/02/16 13:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		12/02/16 13:39	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-8 **Lab ID: 10371561014** Collected: 11/29/16 14:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**124**	ug/L	20.0	1		12/02/16 13:55	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/02/16 13:55	107-05-1	
Benzene	ND	ug/L	1.0	1		12/02/16 13:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/02/16 13:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/02/16 13:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/02/16 13:55	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/02/16 13:55	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/02/16 13:55	74-83-9	
2-Butanone (MEK)	**162**	ug/L	5.0	1		12/02/16 13:55	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/02/16 13:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/16 13:55	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/02/16 13:55	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/02/16 13:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 13:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/02/16 13:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/02/16 13:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/02/16 13:55	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/02/16 13:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/02/16 13:55	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/02/16 13:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 13:55	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:55	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/02/16 13:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 13:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/02/16 13:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 13:55	10061-02-6	L3
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/02/16 13:55	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/02/16 13:55	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/02/16 13:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/02/16 13:55	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/02/16 13:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/02/16 13:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/02/16 13:55	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: DPE-8 **Lab ID: 10371561014** Collected: 11/29/16 14:20 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/02/16 13:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	103-65-1	
Styrene	ND	ug/L	1.0	1		12/02/16 13:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 13:55	79-34-5	
Tetrachloroethene	**6.4**	ug/L	1.0	1		12/02/16 13:55	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/02/16 13:55	109-99-9	
Toluene	ND	ug/L	1.0	1		12/02/16 13:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 13:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/02/16 13:55	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/02/16 13:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 13:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/02/16 13:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/02/16 13:55	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 13:55	108-67-8	
Vinyl chloride	**4.0**	ug/L	0.20	1		12/02/16 13:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/02/16 13:55	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	93	%.	75-125	1		12/02/16 13:55	17060-07-0	
Toluene-d8 (S)	106	%.	75-125	1		12/02/16 13:55	2037-26-5	
4-Bromofluorobenzene (S)	96	%.	75-125	1		12/02/16 13:55	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW14 **Lab ID: 10371561015** Collected: 11/29/16 10:30 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/02/16 14:10	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/02/16 14:10	107-05-1	
Benzene	ND	ug/L	1.0	1		12/02/16 14:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/02/16 14:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/02/16 14:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/02/16 14:10	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/02/16 14:10	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/02/16 14:10	74-83-9	CL
2-Butanone (MEK)	**43.3**	ug/L	5.0	1		12/02/16 14:10	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/02/16 14:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/02/16 14:10	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/02/16 14:10	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/02/16 14:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 14:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/02/16 14:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/02/16 14:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/02/16 14:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/02/16 14:10	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/02/16 14:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	106-46-7	
Dichlorodifluoromethane	**3.0**	ug/L	1.0	1		12/02/16 14:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/02/16 14:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/02/16 14:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/02/16 14:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 14:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/02/16 14:10	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 14:10	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 14:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/02/16 14:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/02/16 14:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/02/16 14:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 14:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/02/16 14:10	10061-02-6	L3
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/02/16 14:10	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/02/16 14:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/02/16 14:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/02/16 14:10	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/02/16 14:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/02/16 14:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/02/16 14:10	1634-04-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: MW14 **Lab ID: 10371561015** Collected: 11/29/16 10:30 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/02/16 14:10	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	103-65-1	
Styrene	ND	ug/L	1.0	1		12/02/16 14:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 14:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/02/16 14:10	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.0	1		12/02/16 14:10	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/02/16 14:10	109-99-9	
Toluene	ND	ug/L	1.0	1		12/02/16 14:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/02/16 14:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/02/16 14:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/02/16 14:10	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/02/16 14:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/02/16 14:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/02/16 14:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	**154**	ug/L	1.0	1		12/02/16 14:10	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/02/16 14:10	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		12/02/16 14:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/02/16 14:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	1		12/02/16 14:10	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		12/02/16 14:10	2037-26-5	
4-Bromofluorobenzene (S)	101	%.	75-125	1		12/02/16 14:10	460-00-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: Trip Blank **Lab ID: 10371561016** Collected: 11/29/16 00:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		12/01/16 11:33	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		12/01/16 11:33	107-05-1	
Benzene	ND	ug/L	1.0	1		12/01/16 11:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		12/01/16 11:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		12/01/16 11:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		12/01/16 11:33	75-27-4	
Bromoform	ND	ug/L	4.0	1		12/01/16 11:33	75-25-2	
Bromomethane	ND	ug/L	4.0	1		12/01/16 11:33	74-83-9	CL
2-Butanone (MEK)	ND	ug/L	5.0	1		12/01/16 11:33	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		12/01/16 11:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		12/01/16 11:33	75-00-3	
Chloroform	ND	ug/L	1.0	1		12/01/16 11:33	67-66-3	
Chloromethane	ND	ug/L	4.0	1		12/01/16 11:33	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 11:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		12/01/16 11:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		12/01/16 11:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		12/01/16 11:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		12/01/16 11:33	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		12/01/16 11:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		12/01/16 11:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		12/01/16 11:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		12/01/16 11:33	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		12/01/16 11:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 11:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		12/01/16 11:33	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 11:33	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 11:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		12/01/16 11:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		12/01/16 11:33	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		12/01/16 11:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 11:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		12/01/16 11:33	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		12/01/16 11:33	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		12/01/16 11:33	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		12/01/16 11:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		12/01/16 11:33	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		12/01/16 11:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		12/01/16 11:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		12/01/16 11:33	1634-04-4	

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ANALYTICAL RESULTS

Project: C&C
Pace Project No.: 10371561

Sample: Trip Blank **Lab ID: 10371561016** Collected: 11/29/16 00:00 Received: 11/29/16 16:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		12/01/16 11:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	103-65-1	
Styrene	ND	ug/L	1.0	1		12/01/16 11:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 11:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		12/01/16 11:33	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		12/01/16 11:33	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		12/01/16 11:33	109-99-9	
Toluene	ND	ug/L	1.0	1		12/01/16 11:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		12/01/16 11:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		12/01/16 11:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		12/01/16 11:33	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		12/01/16 11:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		12/01/16 11:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		12/01/16 11:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		12/01/16 11:33	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		12/01/16 11:33	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		12/01/16 11:33	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		12/01/16 11:33	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	75-125	1		12/01/16 11:33	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		12/01/16 11:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%.	75-125	1		12/01/16 11:33	460-00-4	

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

QC Batch: 449666 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10371561001, 10371561002, 10371561004, 10371561005, 10371561006, 10371561007, 10371561008, 10371561009, 10371561010, 10371561011, 10371561016

METHOD BLANK: 2462563 Matrix: Water
Associated Lab Samples: 10371561001, 10371561002, 10371561004, 10371561005, 10371561006, 10371561007, 10371561008, 10371561009, 10371561010, 10371561011, 10371561016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1-Dichloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,1-Dichloroethene	ug/L	ND	1.0	12/01/16 11:02	
1,1-Dichloropropene	ug/L	ND	1.0	12/01/16 11:02	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
1,2,3-Trichloropropane	ug/L	ND	4.0	12/01/16 11:02	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/01/16 11:02	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	12/01/16 11:02	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/01/16 11:02	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
1,2-Dichloroethane	ug/L	ND	1.0	12/01/16 11:02	
1,2-Dichloropropane	ug/L	ND	4.0	12/01/16 11:02	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/01/16 11:02	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
1,3-Dichloropropane	ug/L	ND	1.0	12/01/16 11:02	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
2,2-Dichloropropane	ug/L	ND	4.0	12/01/16 11:02	
2-Butanone (MEK)	ug/L	ND	5.0	12/01/16 11:02	
2-Chlorotoluene	ug/L	ND	1.0	12/01/16 11:02	
4-Chlorotoluene	ug/L	ND	1.0	12/01/16 11:02	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/01/16 11:02	
Acetone	ug/L	ND	20.0	12/01/16 11:02	
Allyl chloride	ug/L	ND	4.0	12/01/16 11:02	
Benzene	ug/L	ND	1.0	12/01/16 11:02	
Bromobenzene	ug/L	ND	1.0	12/01/16 11:02	
Bromochloromethane	ug/L	ND	1.0	12/01/16 11:02	
Bromodichloromethane	ug/L	ND	1.0	12/01/16 11:02	
Bromoform	ug/L	ND	4.0	12/01/16 11:02	
Bromomethane	ug/L	ND	4.0	12/01/16 11:02	CL
Carbon tetrachloride	ug/L	ND	1.0	12/01/16 11:02	
Chlorobenzene	ug/L	ND	1.0	12/01/16 11:02	
Chloroethane	ug/L	ND	1.0	12/01/16 11:02	
Chloroform	ug/L	ND	1.0	12/01/16 11:02	
Chloromethane	ug/L	ND	4.0	12/01/16 11:02	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/01/16 11:02	

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

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

METHOD BLANK: 2462563 Matrix: Water

Associated Lab Samples: 10371561001, 10371561002, 10371561004, 10371561005, 10371561006, 10371561007, 10371561008, 10371561009, 10371561010, 10371561011, 10371561016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	4.0	12/01/16 11:02	
Dibromochloromethane	ug/L	ND	1.0	12/01/16 11:02	
Dibromomethane	ug/L	ND	4.0	12/01/16 11:02	
Dichlorodifluoromethane	ug/L	ND	1.0	12/01/16 11:02	
Dichlorofluoromethane	ug/L	ND	1.0	12/01/16 11:02	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	12/01/16 11:02	
Ethylbenzene	ug/L	ND	1.0	12/01/16 11:02	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/01/16 11:02	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/01/16 11:02	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/01/16 11:02	
Methylene Chloride	ug/L	ND	4.0	12/01/16 11:02	
n-Butylbenzene	ug/L	ND	1.0	12/01/16 11:02	
n-Propylbenzene	ug/L	ND	1.0	12/01/16 11:02	
Naphthalene	ug/L	ND	4.0	12/01/16 11:02	
p-Isopropyltoluene	ug/L	ND	1.0	12/01/16 11:02	
sec-Butylbenzene	ug/L	ND	1.0	12/01/16 11:02	
Styrene	ug/L	ND	1.0	12/01/16 11:02	
tert-Butylbenzene	ug/L	ND	1.0	12/01/16 11:02	
Tetrachloroethene	ug/L	ND	1.0	12/01/16 11:02	
Tetrahydrofuran	ug/L	ND	10.0	12/01/16 11:02	
Toluene	ug/L	ND	1.0	12/01/16 11:02	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/01/16 11:02	
trans-1,3-Dichloropropene	ug/L	ND	4.0	12/01/16 11:02	
Trichloroethene	ug/L	ND	0.40	12/01/16 11:02	
Trichlorofluoromethane	ug/L	ND	1.0	12/01/16 11:02	
Vinyl chloride	ug/L	ND	0.20	12/01/16 11:02	
Xylene (Total)	ug/L	ND	3.0	12/01/16 11:02	
1,2-Dichloroethane-d4 (S)	%.	115	75-125	12/01/16 11:02	
4-Bromofluorobenzene (S)	%.	97	75-125	12/01/16 11:02	
Toluene-d8 (S)	%.	99	75-125	12/01/16 11:02	

LABORATORY CONTROL SAMPLE & LCSD: 2462564 2462585

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.1	22.2	105	111	75-125	5	20	
1,1,1-Trichloroethane	ug/L	20	17.5	20.4	88	102	73-125	15	20	
1,1,2,2-Tetrachloroethane	ug/L	20	18.5	19.0	92	95	75-128	3	20	
1,1,2-Trichloroethane	ug/L	20	21.9	22.9	110	114	75-129	4	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	16.2	17.8	81	89	69-125	10	20	
1,1-Dichloroethane	ug/L	20	18.1	20.4	91	102	75-131	12	20	
1,1-Dichloroethene	ug/L	20	16.5	18.4	83	92	72-125	10	20	
1,1-Dichloropropene	ug/L	20	18.8	20.8	94	104	74-125	10	20	
1,2,3-Trichlorobenzene	ug/L	20	18.8	20.9	94	104	68-127	11	20	

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REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

LABORATORY CONTROL SAMPLE & LCSD: 2462564 2462585

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	20	20.8	23.1	104	115	75-125	11	20	
1,2,4-Trichlorobenzene	ug/L	20	18.3	20.2	92	101	70-125	9	20	
1,2,4-Trimethylbenzene	ug/L	20	19.3	21.3	97	107	75-130	10	20	
1,2-Dibromo-3-chloropropane	ug/L	50	50.9	53.6	102	107	74-125	5	20	
1,2-Dibromoethane (EDB)	ug/L	20	20.5	23.5	103	117	75-125	13	20	
1,2-Dichlorobenzene	ug/L	20	19.1	20.9	96	105	75-125	9	20	
1,2-Dichloroethane	ug/L	20	17.2	20.6	86	103	72-129	18	20	
1,2-Dichloropropane	ug/L	20	18.0	19.7	90	98	71-129	9	20	
1,3,5-Trimethylbenzene	ug/L	20	19.7	21.1	99	105	75-127	7	20	
1,3-Dichlorobenzene	ug/L	20	19.0	20.4	95	102	75-125	7	20	
1,3-Dichloropropane	ug/L	20	20.8	23.8	104	119	75-125	13	20	
1,4-Dichlorobenzene	ug/L	20	18.8	20.6	94	103	75-125	9	20	
2,2-Dichloropropane	ug/L	20	17.8	20.3	89	102	71-125	13	20	
2-Butanone (MEK)	ug/L	100	92.3	103	92	103	58-150	11	20	
2-Chlorotoluene	ug/L	20	19.6	20.8	98	104	75-125	6	20	
4-Chlorotoluene	ug/L	20	19.3	21.1	96	105	75-130	9	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	119	113	119	72-140	5	20	
Acetone	ug/L	100	98.4	108	98	108	69-137	10	20	
Allyl chloride	ug/L	20	17.4	18.7	87	94	68-132	8	20	
Benzene	ug/L	20	18.4	20.7	92	104	75-125	12	20	
Bromobenzene	ug/L	20	19.0	20.5	95	103	75-125	8	20	
Bromochloromethane	ug/L	20	18.3	20.4	91	102	75-125	11	20	
Bromodichloromethane	ug/L	20	18.0	21.1	90	105	69-128	16	20	
Bromoform	ug/L	20	18.6	20.2	93	101	75-125	8	20	
Bromomethane	ug/L	20	10.0	13.9	50	69	30-150	32	20	CL,R1
Carbon tetrachloride	ug/L	20	17.9	20.1	89	100	74-125	12	20	
Chlorobenzene	ug/L	20	20.5	20.5	102	103	75-125	0	20	
Chloroethane	ug/L	20	17.4	18.9	87	95	60-150	9	20	
Chloroform	ug/L	20	17.4	20.2	87	101	75-126	15	20	
Chloromethane	ug/L	20	16.6	18.5	83	92	46-150	11	20	
cis-1,2-Dichloroethene	ug/L	20	16.6	18.3	83	92	75-126	10	20	
cis-1,3-Dichloropropene	ug/L	20	18.2	20.4	91	102	75-125	11	20	
Dibromochloromethane	ug/L	20	20.9	23.0	105	115	75-125	10	20	
Dibromomethane	ug/L	20	18.3	20.7	92	103	72-127	12	20	
Dichlorodifluoromethane	ug/L	20	19.6	25.2	98	126	58-135	25	20	R1
Dichlorofluoromethane	ug/L	20	16.7	18.2	83	91	68-149	9	20	
Diethyl ether (Ethyl ether)	ug/L	20	15.1	19.1	75	95	66-144	24	20	R1
Ethylbenzene	ug/L	20	21.1	21.7	105	109	75-125	3	20	
Hexachloro-1,3-butadiene	ug/L	20	18.4	19.8	92	99	73-125	7	20	
Isopropylbenzene (Cumene)	ug/L	20	20.4	22.0	102	110	69-140	7	20	
Methyl-tert-butyl ether	ug/L	20	17.1	20.5	86	102	75-126	18	20	
Methylene Chloride	ug/L	20	18.9	19.9	94	99	71-130	5	20	
n-Butylbenzene	ug/L	20	20.3	21.3	102	107	71-129	5	20	
n-Propylbenzene	ug/L	20	19.2	20.9	96	104	71-133	8	20	
Naphthalene	ug/L	20	19.4	21.8	97	109	59-137	11	20	
p-Isopropyltoluene	ug/L	20	19.3	21.0	97	105	74-127	8	20	
sec-Butylbenzene	ug/L	20	19.9	20.9	99	104	66-140	5	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

LABORATORY CONTROL SAMPLE & LCSD: 2462564 2462585

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Styrene	ug/L	20	20.9	22.2	105	111	75-125	6	20	
tert-Butylbenzene	ug/L	20	19.3	20.7	96	104	73-129	7	20	
Tetrachloroethene	ug/L	20	21.8	21.1	109	106	75-125	3	20	
Tetrahydrofuran	ug/L	200	185	211	93	106	71-129	13	20	
Toluene	ug/L	20	20.5	22.9	103	115	75-125	11	20	
trans-1,2-Dichloroethene	ug/L	20	18.9	20.5	94	102	75-125	8	20	
trans-1,3-Dichloropropene	ug/L	20	22.7	24.7	113	123	75-125	8	20	
Trichloroethene	ug/L	20	19.2	21.0	96	105	75-125	9	20	
Trichlorofluoromethane	ug/L	20	15.1	18.6	75	93	74-128	21	20	R1
Vinyl chloride	ug/L	20	20.0	22.2	100	111	71-131	11	20	
Xylene (Total)	ug/L	60	62.1	65.3	103	109	75-125	5	20	
1,2-Dichloroethane-d4 (S)	%.				96	105	75-125			
4-Bromofluorobenzene (S)	%.				99	98	75-125			
Toluene-d8 (S)	%.				110	111	75-125			

MATRIX SPIKE SAMPLE: 2462586

Parameter	Units	10371561004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.1	101	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	19.7	98	71-144	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.3	102	75-131	
1,1,2-Trichloroethane	ug/L	ND	20	20.6	103	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	19.8	98	75-150	
1,1-Dichloroethane	ug/L	ND	20	18.1	90	64-150	
1,1-Dichloroethene	ug/L	ND	20	17.1	85	68-150	
1,1-Dichloropropene	ug/L	ND	20	20.4	102	68-145	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.8	94	57-142	
1,2,3-Trichloropropane	ug/L	ND	20	21.1	105	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.6	98	60-135	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.6	103	67-148	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.0	100	32-137	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.5	102	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.8	99	75-125	
1,2-Dichloroethane	ug/L	ND	20	17.6	88	62-138	
1,2-Dichloropropane	ug/L	ND	20	18.2	91	62-144	
1,3,5-Trimethylbenzene	ug/L	ND	20	20.9	105	67-148	
1,3-Dichlorobenzene	ug/L	ND	20	19.7	98	74-131	
1,3-Dichloropropane	ug/L	ND	20	20.5	103	75-127	
1,4-Dichlorobenzene	ug/L	ND	20	19.5	98	74-126	
2,2-Dichloropropane	ug/L	ND	20	19.4	97	56-146	
2-Butanone (MEK)	ug/L	ND	100	89.6	90	47-150	
2-Chlorotoluene	ug/L	ND	20	21.3	107	74-137	
4-Chlorotoluene	ug/L	ND	20	20.1	101	72-138	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	106	106	60-147	
Acetone	ug/L	ND	100	88.0	87	61-150	

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

MATRIX SPIKE SAMPLE: 2462586

Parameter	Units	10371561004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Allyl chloride	ug/L	ND	20	16.8	84	53-150	
Benzene	ug/L	ND	20	19.2	96	52-147	
Bromobenzene	ug/L	ND	20	20.2	101	75-129	
Bromochloromethane	ug/L	ND	20	17.5	87	72-128	
Bromodichloromethane	ug/L	ND	20	18.8	94	65-137	
Bromoform	ug/L	ND	20	18.1	90	59-133	
Bromomethane	ug/L	ND	20	14.9	74	30-150	CL
Carbon tetrachloride	ug/L	ND	20	20.2	101	73-144	
Chlorobenzene	ug/L	ND	20	19.8	99	75-126	
Chloroethane	ug/L	ND	20	17.7	89	55-150	
Chloroform	ug/L	ND	20	18.5	91	66-143	
Chloromethane	ug/L	ND	20	18.5	93	42-150	
cis-1,2-Dichloroethene	ug/L	ND	20	16.3	81	65-143	
cis-1,3-Dichloropropene	ug/L	ND	20	18.0	90	75-125	
Dibromochloromethane	ug/L	ND	20	20.2	101	75-125	
Dibromomethane	ug/L	ND	20	18.4	92	66-133	
Dichlorodifluoromethane	ug/L	ND	20	23.2	116	74-150	
Dichlorofluoromethane	ug/L	ND	20	17.0	85	68-150	
Diethyl ether (Ethyl ether)	ug/L	ND	20	15.5	78	57-148	
Ethylbenzene	ug/L	ND	20	20.7	103	67-149	
Hexachloro-1,3-butadiene	ug/L	ND	20	19.3	96	65-143	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.9	105	64-150	
Methyl-tert-butyl ether	ug/L	ND	20	17.2	86	71-130	
Methylene Chloride	ug/L	ND	20	17.0	85	67-137	
n-Butylbenzene	ug/L	ND	20	21.3	107	70-138	
n-Propylbenzene	ug/L	ND	20	21.1	106	70-148	
Naphthalene	ug/L	ND	20	21.1	103	39-150	
p-Isopropyltoluene	ug/L	ND	20	20.6	103	74-138	
sec-Butylbenzene	ug/L	ND	20	20.7	104	64-150	
Styrene	ug/L	ND	20	20.6	103	75-132	
tert-Butylbenzene	ug/L	ND	20	20.4	102	75-138	
Tetrachloroethene	ug/L	6.7	20	28.6	110	73-136	
Tetrahydrofuran	ug/L	ND	200	186	93	68-142	
Toluene	ug/L	ND	20	20.2	101	69-139	
trans-1,2-Dichloroethene	ug/L	ND	20	18.1	91	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	22.0	110	66-136	
Trichloroethene	ug/L	ND	20	19.3	95	74-135	
Trichlorofluoromethane	ug/L	ND	20	17.9	89	75-150	
Vinyl chloride	ug/L	ND	20	22.0	110	69-150	
Xylene (Total)	ug/L	ND	60	61.3	102	70-147	
1,2-Dichloroethane-d4 (S)	%.				104	75-125	
4-Bromofluorobenzene (S)	%.				104	75-125	
Toluene-d8 (S)	%.				108	75-125	

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

SAMPLE DUPLICATE: 2462587

Parameter	Units	10371561005 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	CL
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

SAMPLE DUPLICATE: 2462587

Parameter	Units	10371561005 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	1.8	1.9	4	30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%.	96	98	1		
4-Bromofluorobenzene (S)	%.	97	101	4		
Toluene-d8 (S)	%.	104	98	6		

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QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

QC Batch: 449890 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10371561003, 10371561012, 10371561013, 10371561014, 10371561015

METHOD BLANK: 2463893 Matrix: Water
Associated Lab Samples: 10371561003, 10371561012, 10371561013, 10371561014, 10371561015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1,1-Trichloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1,2-Trichloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1-Dichloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,1-Dichloroethene	ug/L	ND	1.0	12/02/16 10:20	
1,1-Dichloropropene	ug/L	ND	1.0	12/02/16 10:20	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
1,2,3-Trichloropropane	ug/L	ND	4.0	12/02/16 10:20	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	12/02/16 10:20	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	12/02/16 10:20	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	12/02/16 10:20	
1,2-Dichlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
1,2-Dichloroethane	ug/L	ND	1.0	12/02/16 10:20	
1,2-Dichloropropane	ug/L	ND	4.0	12/02/16 10:20	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	12/02/16 10:20	
1,3-Dichlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
1,3-Dichloropropane	ug/L	ND	1.0	12/02/16 10:20	
1,4-Dichlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
2,2-Dichloropropane	ug/L	ND	4.0	12/02/16 10:20	
2-Butanone (MEK)	ug/L	ND	5.0	12/02/16 10:20	
2-Chlorotoluene	ug/L	ND	1.0	12/02/16 10:20	
4-Chlorotoluene	ug/L	ND	1.0	12/02/16 10:20	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	12/02/16 10:20	
Acetone	ug/L	ND	20.0	12/02/16 10:20	
Allyl chloride	ug/L	ND	4.0	12/02/16 10:20	
Benzene	ug/L	ND	1.0	12/02/16 10:20	
Bromobenzene	ug/L	ND	1.0	12/02/16 10:20	
Bromochloromethane	ug/L	ND	1.0	12/02/16 10:20	
Bromodichloromethane	ug/L	ND	1.0	12/02/16 10:20	
Bromoform	ug/L	ND	4.0	12/02/16 10:20	
Bromomethane	ug/L	ND	4.0	12/02/16 10:20	CL
Carbon tetrachloride	ug/L	ND	1.0	12/02/16 10:20	
Chlorobenzene	ug/L	ND	1.0	12/02/16 10:20	
Chloroethane	ug/L	ND	1.0	12/02/16 10:20	
Chloroform	ug/L	ND	1.0	12/02/16 10:20	
Chloromethane	ug/L	ND	4.0	12/02/16 10:20	
cis-1,2-Dichloroethene	ug/L	ND	1.0	12/02/16 10:20	
cis-1,3-Dichloropropene	ug/L	ND	4.0	12/02/16 10:20	

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

METHOD BLANK: 2463893 Matrix: Water
Associated Lab Samples: 10371561003, 10371561012, 10371561013, 10371561014, 10371561015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	12/02/16 10:20	
Dibromomethane	ug/L	ND	4.0	12/02/16 10:20	
Dichlorodifluoromethane	ug/L	ND	1.0	12/02/16 10:20	
Dichlorofluoromethane	ug/L	ND	1.0	12/02/16 10:20	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	12/02/16 10:20	
Ethylbenzene	ug/L	ND	1.0	12/02/16 10:20	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	12/02/16 10:20	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	12/02/16 10:20	
Methyl-tert-butyl ether	ug/L	ND	1.0	12/02/16 10:20	
Methylene Chloride	ug/L	ND	4.0	12/02/16 10:20	
n-Butylbenzene	ug/L	ND	1.0	12/02/16 10:20	
n-Propylbenzene	ug/L	ND	1.0	12/02/16 10:20	
Naphthalene	ug/L	ND	4.0	12/02/16 10:20	
p-Isopropyltoluene	ug/L	ND	1.0	12/02/16 10:20	
sec-Butylbenzene	ug/L	ND	1.0	12/02/16 10:20	
Styrene	ug/L	ND	1.0	12/02/16 10:20	
tert-Butylbenzene	ug/L	ND	1.0	12/02/16 10:20	
Tetrachloroethene	ug/L	ND	1.0	12/02/16 10:20	
Tetrahydrofuran	ug/L	ND	10.0	12/02/16 10:20	
Toluene	ug/L	ND	1.0	12/02/16 10:20	
trans-1,2-Dichloroethene	ug/L	ND	1.0	12/02/16 10:20	
trans-1,3-Dichloropropene	ug/L	ND	4.0	12/02/16 10:20	
Trichloroethene	ug/L	ND	0.40	12/02/16 10:20	
Trichlorofluoromethane	ug/L	ND	1.0	12/02/16 10:20	
Vinyl chloride	ug/L	ND	0.20	12/02/16 10:20	
Xylene (Total)	ug/L	ND	3.0	12/02/16 10:20	
1,2-Dichloroethane-d4 (S)	%.	101	75-125	12/02/16 10:20	
4-Bromofluorobenzene (S)	%.	99	75-125	12/02/16 10:20	
Toluene-d8 (S)	%.	104	75-125	12/02/16 10:20	

LABORATORY CONTROL SAMPLE: 2463894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	23.2	116	75-125	
1,1,1-Trichloroethane	ug/L	20	22.1	111	73-125	
1,1,2,2-Tetrachloroethane	ug/L	20	20.6	103	75-128	
1,1,2-Trichloroethane	ug/L	20	24.5	123	75-129	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.1	105	69-125	
1,1-Dichloroethane	ug/L	20	20.9	104	75-131	
1,1-Dichloroethene	ug/L	20	20.2	101	72-125	
1,1-Dichloropropene	ug/L	20	22.2	111	74-125	
1,2,3-Trichlorobenzene	ug/L	20	22.6	113	68-127	
1,2,3-Trichloropropane	ug/L	20	24.3	122	75-125	
1,2,4-Trichlorobenzene	ug/L	20	23.4	117	70-125	

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

LABORATORY CONTROL SAMPLE: 2463894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	22.7	113	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	55.2	110	74-125	
1,2-Dibromoethane (EDB)	ug/L	20	23.0	115	75-125	
1,2-Dichlorobenzene	ug/L	20	23.0	115	75-125	
1,2-Dichloroethane	ug/L	20	19.5	97	72-129	
1,2-Dichloropropane	ug/L	20	22.2	111	71-129	
1,3,5-Trimethylbenzene	ug/L	20	22.2	111	75-127	
1,3-Dichlorobenzene	ug/L	20	23.1	116	75-125	
1,3-Dichloropropane	ug/L	20	23.6	118	75-125	
1,4-Dichlorobenzene	ug/L	20	22.8	114	75-125	
2,2-Dichloropropane	ug/L	20	19.8	99	71-125	
2-Butanone (MEK)	ug/L	100	108	108	58-150	
2-Chlorotoluene	ug/L	20	21.6	108	75-125	
4-Chlorotoluene	ug/L	20	22.9	114	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	123	123	72-140	
Acetone	ug/L	100	116	116	69-137	
Allyl chloride	ug/L	20	21.0	105	68-132	
Benzene	ug/L	20	21.2	106	75-125	
Bromobenzene	ug/L	20	22.0	110	75-125	
Bromochloromethane	ug/L	20	21.2	106	75-125	
Bromodichloromethane	ug/L	20	21.8	109	69-128	
Bromoform	ug/L	20	20.4	102	75-125	
Bromomethane	ug/L	20	9.8	49	30-150	CL
Carbon tetrachloride	ug/L	20	20.2	101	74-125	
Chlorobenzene	ug/L	20	23.1	116	75-125	
Chloroethane	ug/L	20	20.3	102	60-150	
Chloroform	ug/L	20	19.7	99	75-126	
Chloromethane	ug/L	20	16.0	80	46-150	
cis-1,2-Dichloroethene	ug/L	20	19.1	95	75-126	
cis-1,3-Dichloropropene	ug/L	20	20.9	105	75-125	
Dibromochloromethane	ug/L	20	23.1	115	75-125	
Dibromomethane	ug/L	20	21.6	108	72-127	
Dichlorodifluoromethane	ug/L	20	24.1	120	58-135	
Dichlorofluoromethane	ug/L	20	19.5	98	68-149	
Diethyl ether (Ethyl ether)	ug/L	20	20.8	104	66-144	
Ethylbenzene	ug/L	20	22.7	113	75-125	
Hexachloro-1,3-butadiene	ug/L	20	24.1	120	73-125	
Isopropylbenzene (Cumene)	ug/L	20	22.4	112	69-140	
Methyl-tert-butyl ether	ug/L	20	20.5	102	75-126	
Methylene Chloride	ug/L	20	20.9	104	71-130	
n-Butylbenzene	ug/L	20	24.2	121	71-129	
n-Propylbenzene	ug/L	20	22.3	111	71-133	
Naphthalene	ug/L	20	22.4	112	59-137	
p-Isopropyltoluene	ug/L	20	22.3	111	74-127	
sec-Butylbenzene	ug/L	20	23.8	119	66-140	
Styrene	ug/L	20	22.5	112	75-125	
tert-Butylbenzene	ug/L	20	21.9	109	73-129	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

LABORATORY CONTROL SAMPLE: 2463894

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	24.2	121	75-125	
Tetrahydrofuran	ug/L	200	230	115	71-129	
Toluene	ug/L	20	23.6	118	75-125	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	75-125	
trans-1,3-Dichloropropene	ug/L	20	25.7	128	75-125	L0
Trichloroethene	ug/L	20	21.1	106	75-125	
Trichlorofluoromethane	ug/L	20	19.1	96	74-128	
Vinyl chloride	ug/L	20	24.0	120	71-131	
Xylene (Total)	ug/L	60	67.7	113	75-125	
1,2-Dichloroethane-d4 (S)	%.			93	75-125	
4-Bromofluorobenzene (S)	%.			98	75-125	
Toluene-d8 (S)	%.			108	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2463903 2463904

Parameter	Units	10371696003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.6	24.4	103	122	75-125	17	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	19.8	23.6	99	118	71-144	18	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	18.2	22.2	91	111	75-131	20	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.6	25.0	103	125	75-125	20	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	21.9	23.5	109	118	75-150	7	30	
1,1-Dichloroethane	ug/L	ND	20	20	18.6	22.7	93	113	64-150	20	30	
1,1-Dichloroethene	ug/L	ND	20	20	19.4	22.4	97	112	68-150	15	30	
1,1-Dichloropropene	ug/L	ND	20	20	21.2	23.9	106	119	68-145	12	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	12.1	18.2	60	91	57-142	40	30	R1
1,2,3-Trichloropropane	ug/L	ND	20	20	20.2	23.6	101	118	75-125	15	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	14.1	20.9	71	105	60-135	39	30	R1
1,2,4-Trimethylbenzene	ug/L	ND	20	20	18.8	24.5	94	122	67-148	26	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	34.5	52.2	69	104	32-137	41	30	R1
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	19.5	24.0	97	120	75-125	21	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	16.9	23.9	84	120	75-125	35	30	R1
1,2-Dichloroethane	ug/L	ND	20	20	18.9	20.9	95	104	62-138	10	30	
1,2-Dichloropropane	ug/L	ND	20	20	19.8	21.5	99	108	62-144	8	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.5	23.3	103	116	67-148	13	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	18.4	23.3	92	116	74-131	23	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.5	24.3	103	122	75-127	17	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	19.2	22.4	96	112	74-126	15	30	
2,2-Dichloropropane	ug/L	ND	20	20	18.3	21.7	91	109	56-146	17	30	
2-Butanone (MEK)	ug/L	ND	100	100	92.0	98.9	92	99	47-150	7	30	
2-Chlorotoluene	ug/L	ND	20	20	20.2	22.2	101	111	74-137	9	30	
4-Chlorotoluene	ug/L	ND	20	20	18.6	22.5	93	112	72-138	19	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	102	123	102	123	60-147	18	30	
Acetone	ug/L	ND	100	100	102	114	102	114	61-150	11	30	

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(612)607-1700

QUALITY CONTROL DATA

Project: C&C
Pace Project No.: 10371561

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2463903 2463904

Parameter	Units	10371696003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Allyl chloride	ug/L	ND	20	20	19.7	21.2	99	106	53-150	7	30	
Benzene	ug/L	ND	20	20	20.2	23.0	101	115	52-147	13	30	
Bromobenzene	ug/L	ND	20	20	18.8	22.5	94	113	75-129	18	30	
Bromochloromethane	ug/L	ND	20	20	18.9	22.6	95	113	72-128	18	30	
Bromodichloromethane	ug/L	ND	20	20	19.8	20.7	99	104	65-137	5	30	
Bromoform	ug/L	ND	20	20	17.1	21.2	86	106	59-133	21	30	
Bromomethane	ug/L	ND	20	20	11.4	14.4	57	72	30-150	23	30	CL
Carbon tetrachloride	ug/L	ND	20	20	19.6	23.7	98	119	73-144	19	30	
Chlorobenzene	ug/L	ND	20	20	20.3	23.9	102	120	75-126	16	30	
Chloroethane	ug/L	ND	20	20	19.4	22.6	97	113	55-150	15	30	
Chloroform	ug/L	ND	20	20	19.5	22.3	98	111	66-143	13	30	
Chloromethane	ug/L	ND	20	20	19.4	21.0	97	105	42-150	8	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	17.8	20.9	89	105	65-143	16	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.8	21.8	94	109	75-125	15	30	
Dibromochloromethane	ug/L	ND	20	20	20.0	24.8	100	124	75-125	21	30	
Dibromomethane	ug/L	ND	20	20	20.2	22.1	101	110	66-133	9	30	
Dichlorodifluoromethane	ug/L	ND	20	20	25.4	32.0	127	160	74-150	23	30	M1
Dichlorofluoromethane	ug/L	ND	20	20	19.0	21.3	95	106	68-150	11	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	18.3	20.6	92	103	57-148	12	30	
Ethylbenzene	ug/L	ND	20	20	20.6	23.6	103	118	67-149	14	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	15.1	22.6	76	113	65-143	39	30	R1
Isopropylbenzene (Cumene)	ug/L	ND	20	20	19.5	23.6	97	118	64-150	19	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	17.9	21.3	90	107	71-130	17	30	
Methylene Chloride	ug/L	ND	20	20	19.0	22.3	95	112	67-137	16	30	
n-Butylbenzene	ug/L	ND	20	20	19.1	23.1	95	115	70-138	19	30	
n-Propylbenzene	ug/L	ND	20	20	19.5	22.8	97	114	70-148	16	30	
Naphthalene	ug/L	ND	20	20	12.2	18.4	61	92	39-150	41	30	R1
p-Isopropyltoluene	ug/L	ND	20	20	19.2	24.6	96	123	74-138	25	30	
sec-Butylbenzene	ug/L	ND	20	20	19.1	25.0	96	125	64-150	27	30	
Styrene	ug/L	ND	20	20	20.2	25.2	101	126	75-132	22	30	
tert-Butylbenzene	ug/L	ND	20	20	18.7	24.3	93	121	75-138	26	30	
Tetrachloroethene	ug/L	ND	20	20	22.1	27.0	111	135	73-136	20	30	
Tetrahydrofuran	ug/L	ND	200	200	185	220	93	110	68-142	17	30	
Toluene	ug/L	ND	20	20	19.6	26.4	98	132	69-139	30	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.9	24.2	105	121	75-135	14	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	21.2	25.9	106	129	66-136	20	30	
Trichloroethene	ug/L	ND	20	20	19.6	22.6	98	113	74-135	14	30	
Trichlorofluoromethane	ug/L	ND	20	20	20.6	22.8	103	114	75-150	10	30	
Vinyl chloride	ug/L	ND	20	20	25.8	28.0	129	140	69-150	8	30	
Xylene (Total)	ug/L	ND	60	60	60.4	74.9	101	125	70-147	21	30	
1,2-Dichloroethane-d4 (S)	%.						107	97	75-125			
4-Bromofluorobenzene (S)	%.						92	95	75-125			
Toluene-d8 (S)	%.						103	117	75-125			

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(612)607-1700

QUALIFIERS

Project: C&C
Pace Project No.: 10371561

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

BATCH QUALIFIERS

Batch: 449666

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
P2	Re-extraction or re-analysis could not be performed due to insufficient sample amount.
R1	RPD value was outside control limits.

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(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: C&C
Pace Project No.: 10371561

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10371561001	**MW15**	EPA 8260B	449666		
10371561002	**MW16**	EPA 8260B	449666		
10371561003	**MW17**	EPA 8260B	449890		
10371561004	**MW18**	EPA 8260B	449666		
10371561005	**MW19**	EPA 8260B	449666		
10371561006	**MW20**	EPA 8260B	449666		
10371561007	**DPE-1**	EPA 8260B	449666		
10371561008	**DPE-2**	EPA 8260B	449666		
10371561009	**DPE-3**	EPA 8260B	449666		
10371561010	**DPE-4**	EPA 8260B	449666		
10371561011	**DPE-5**	EPA 8260B	449666		
10371561012	**DPE-6**	EPA 8260B	449890		
10371561013	**DPE-7**	EPA 8260B	449890		
10371561014	**DPE-8**	EPA 8260B	449890		
10371561015	**MW14**	EPA 8260B	449890		
10371561016	**Trip Blank**	EPA 8260B	449666		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1 of 2

10371561

Page: of

2147162

Section A Required Client Information:

Company:	Landmark
Address:	
Email To:	akuck@landmarkenv.com
Phone:	Fax:
Requested Due Date/TAT:	Normal

Section B Required Project Information:

Report To:	JASON SKramstad
Copy To:	AARON KUCK
Purchase Order No.:	
Project Name:	CTC
Project Number:	

Section C Invoice Information:

Attention:	Sharm Paradise
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	23027#7

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW15	WT	G	11/29/16	1045				3									✓		001
2	MW16				1100				3									✓		002
3	MW17				1115				3									✓		003
4	MW18				1130				3									✓		004
5	MW19				1145				3									✓		005
6	MW20				1155				3									✓		006
7	DPE-1				1210				3									✓		007
8	DPE-2				1220				3									✓		008
9	DPE-3				1240				3									✓		009
10	DPE-4				1300				3									✓		010
11	DPE-5				1320				3									✓		011
12	DPE-6				1340				3									✓		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		11/29/16	1625		11-29-16	1625	14.6	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Kuck

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 11/29/16

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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

2062

Page: of

2147163

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Landmark	Report To: JASON SKramstad	Attention: Sharon Parwise
Address:	Copy To: AARON Kuck	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: CrC	Pace Project Manager:
Requested Due Date/TAT: Normal	Project Number:	Pace Profile #: 23027#7

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COLLECTED: COMPOSITE START TIME	COLLECTED: COMPOSITE END/GRAB DATE	COLLECTED: COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	~~MW14~~ DPE-7	WT	G	11/29	1400				3										✓		013
2	~~MW18~~ DPE-8	1	1	1	1420				3										✓		014
3	MW14	1	1	1	1030				3										✓		015
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
		11/29/16	16:25		11-29-16	1625	14.6	Y	N	Y

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Kuck

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 11/29/16

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 02Aug2016 Page 1 of 2
	Document No.: **F-MN-L-213-rev.17**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark

Project #: WO# : 10371561

10371561

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace ☐ SpeeDee ☐ Other:

Tracking Number:

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No **Optional:** Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other: **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☑ 151401163 ☐ 151401164 ☐ B88A912167504 ☐ B88A0143310098 **Type of Ice:** ☑ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 14.6 **Cooler Temp Corrected (°C):** 14.6 **Biological Tissue Frozen?** ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** ±0.0 **Date and Initials of Person Examining Contents:** 12/9-16 TL

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

Did samples originate in a quarantine zone within the United States: AL, AR, AZ, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☑ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No	☐ N/A	12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, DRO/8015 (water) DOC	☐ Yes	☐ No	☐ N/A	Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☑ Yes	☐ No	☐ N/A	14.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 103981				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Chris Dun **Date:** 12/7/16

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

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

February 09, 2017

Ms. Sherry Van Duyn
Landmark Environmental
2042 West 98th Street
Bloomington, MN 55431

RE: Project: City of Rochester
Pace Project No.: 10377631

Dear Ms. Van Duyn:
Enclosed are the analytical results for sample(s) received by the laboratory on January 30, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Chris Bremer
chris.bremer@pacelabs.com
Project Manager

Enclosures

cc: Aaron Kuck, Landmark Environmenatl

Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: City of Rochester
Pace Project No.: 10377631

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification UST-107
525 N 8th Street, Salina, KS 67401
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Alabama Certification #40770
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: 8TMS-L
Florida/NELAP Certification #: E87605
Guam Certification #:14-008r
Georgia Certification #: 959
Georgia EPD #: Pace
Idaho Certification #: MN00064
Hawaii Certification #MN00064
Illinois Certification #: 200011
Indiana Certification#C-MN-01
Iowa Certification #: 368
Kansas Certification #: E-10167
Kentucky Dept of Envi. Protection - DW #90062
Kentucky Dept of Envi. Protection - WW #:90062
Louisiana DEQ Certification #: 3086
Louisiana DHH #: LA140001
Maine Certification #: 2013011
Maryland Certification #: 322
Michigan DEPH Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Carolina State Public Health #: 27700
North Dakota Certification #: R-036
Ohio EPA #: 4150
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Saipan (CNMI) #:MP0003
South Carolina #:74003001
Texas Certification #: T104704192
Tennessee Certification #: 02818
Utah Certification #: MN000642013-4
Virginia DGS Certification #: 251
Virginia/VELAP Certification #: Pace
Washington Certification #: C486
West Virginia Certification #: 382
West Virginia DHHR #:9952C
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: City of Rochester
Pace Project No.: 10377631

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10377631001	**MW-14**	Water	01/30/17 12:30	01/30/17 18:58
10377631002	**MW-15**	Water	01/30/17 13:25	01/30/17 18:58
10377631003	**MW-16**	Water	01/30/17 11:30	01/30/17 18:58
10377631004	**MW-17**	Water	01/30/17 11:00	01/30/17 18:58
10377631005	**MW-18**	Water	01/30/17 10:05	01/30/17 18:58
10377631006	**MW-19**	Water	01/30/17 12:50	01/30/17 18:58
10377631007	**MW-20**	Water	01/30/17 13:15	01/30/17 18:58
10377631008	**DPE-1**	Water	01/30/17 13:45	01/30/17 18:58
10377631009	**DPE-2**	Water	01/30/17 16:05	01/30/17 18:58
10377631010	**DPE-3**	Water	01/30/17 14:00	01/30/17 18:58
10377631011	**DPE-4**	Water	01/30/17 14:50	01/30/17 18:58
10377631012	**DPE-5**	Water	01/30/17 16:25	01/30/17 18:58
10377631013	**DPE-6**	Water	01/30/17 15:45	01/30/17 18:58
10377631014	**DPE-7**	Water	01/30/17 15:20	01/30/17 18:58
10377631015	**DPE-8**	Water	01/30/17 16:35	01/30/17 18:58
10377631016	**Trip Blank**	Water	01/30/17 00:00	01/30/17 18:58

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: City of Rochester
Pace Project No.: 10377631

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10377631001	**MW-14**	EPA 8260B	PRD	70
10377631002	**MW-15**	EPA 8260B	PRD	70
10377631003	**MW-16**	EPA 8260B	DJB, PRD	70
10377631004	**MW-17**	EPA 8260B	PRD	70
10377631005	**MW-18**	EPA 8260B	PRD	70
10377631006	**MW-19**	EPA 8260B	PRD	70
10377631007	**MW-20**	EPA 8260B	PRD	70
10377631008	**DPE-1**	EPA 8260B	PRD	70
10377631009	**DPE-2**	EPA 8260B	PRD	70
10377631010	**DPE-3**	EPA 8260B	PRD	70
10377631011	**DPE-4**	EPA 8260B	PRD	70
10377631012	**DPE-5**	EPA 8260B	PRD	70
10377631013	**DPE-6**	EPA 8260B	PRD	70
10377631014	**DPE-7**	EPA 8260B	PRD	70
10377631015	**DPE-8**	EPA 8260B	PRD	70
10377631016	**Trip Blank**	EPA 8260B	PRD	70

REPORT OF LABORATORY ANALYSIS

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Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-14 **Lab ID: 10377631001** Collected: 01/30/17 12:30 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**50.3**	ug/L	20.0	1		01/31/17 17:59	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		01/31/17 17:59	107-05-1	
Benzene	ND	ug/L	1.0	1		01/31/17 17:59	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/31/17 17:59	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/31/17 17:59	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/31/17 17:59	75-27-4	
Bromoform	ND	ug/L	4.0	1		01/31/17 17:59	75-25-2	
Bromomethane	ND	ug/L	10.0	1		01/31/17 17:59	74-83-9	
2-Butanone (MEK)	**694**	ug/L	5.0	1		01/31/17 17:59	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		01/31/17 17:59	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	108-90-7	
Chloroethane	ND	ug/L	4.0	1		01/31/17 17:59	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/31/17 17:59	67-66-3	
Chloromethane	ND	ug/L	4.0	1		01/31/17 17:59	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/31/17 17:59	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/31/17 17:59	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/31/17 17:59	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		01/31/17 17:59	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/31/17 17:59	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		01/31/17 17:59	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/31/17 17:59	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/31/17 17:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/31/17 17:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/31/17 17:59	75-35-4	
cis-1,2-Dichloroethene	**3.0**	ug/L	1.0	1		01/31/17 17:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/31/17 17:59	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/31/17 17:59	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		01/31/17 17:59	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/31/17 17:59	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		01/31/17 17:59	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/31/17 17:59	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		01/31/17 17:59	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		01/31/17 17:59	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		01/31/17 17:59	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/31/17 17:59	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/31/17 17:59	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/31/17 17:59	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		01/31/17 17:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/31/17 17:59	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/31/17 17:59	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-14 **Lab ID: 10377631001** Collected: 01/30/17 12:30 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		01/31/17 17:59	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	103-65-1	
Styrene	ND	ug/L	1.0	1		01/31/17 17:59	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/31/17 17:59	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/31/17 17:59	79-34-5	
Tetrachloroethene	**6.5**	ug/L	1.0	1		01/31/17 17:59	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/31/17 17:59	109-99-9	
Toluene	ND	ug/L	1.0	1		01/31/17 17:59	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/31/17 17:59	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/31/17 17:59	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/31/17 17:59	79-00-5	
Trichloroethene	**3.6**	ug/L	0.40	1		01/31/17 17:59	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/31/17 17:59	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		01/31/17 17:59	96-18-4	
1,1,2-Trichlorotrifluoroethane	**39.8**	ug/L	1.0	1		01/31/17 17:59	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/31/17 17:59	108-67-8	
Vinyl chloride	**0.45**	ug/L	0.20	1		01/31/17 17:59	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/31/17 17:59	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%.	75-125	1		01/31/17 17:59	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		01/31/17 17:59	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1		01/31/17 17:59	460-00-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-15 **Lab ID: 10377631002** Collected: 01/30/17 13:25 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		01/31/17 18:16	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		01/31/17 18:16	107-05-1	
Benzene	ND	ug/L	1.0	1		01/31/17 18:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		01/31/17 18:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		01/31/17 18:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		01/31/17 18:16	75-27-4	
Bromoform	ND	ug/L	4.0	1		01/31/17 18:16	75-25-2	
Bromomethane	ND	ug/L	10.0	1		01/31/17 18:16	74-83-9	
2-Butanone (MEK)	**15.8**	ug/L	5.0	1		01/31/17 18:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		01/31/17 18:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	108-90-7	
Chloroethane	ND	ug/L	4.0	1		01/31/17 18:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		01/31/17 18:16	67-66-3	
Chloromethane	ND	ug/L	4.0	1		01/31/17 18:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		01/31/17 18:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		01/31/17 18:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		01/31/17 18:16	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		01/31/17 18:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		01/31/17 18:16	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		01/31/17 18:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		01/31/17 18:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		01/31/17 18:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		01/31/17 18:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		01/31/17 18:16	75-35-4	
cis-1,2-Dichloroethene	**12.3**	ug/L	1.0	1		01/31/17 18:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		01/31/17 18:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		01/31/17 18:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		01/31/17 18:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		01/31/17 18:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		01/31/17 18:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		01/31/17 18:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		01/31/17 18:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		01/31/17 18:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		01/31/17 18:16	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		01/31/17 18:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		01/31/17 18:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		01/31/17 18:16	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		01/31/17 18:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		01/31/17 18:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		01/31/17 18:16	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-15 **Lab ID: 10377631002** Collected: 01/30/17 13:25 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		01/31/17 18:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	103-65-1	
Styrene	ND	ug/L	1.0	1		01/31/17 18:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		01/31/17 18:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		01/31/17 18:16	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		01/31/17 18:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		01/31/17 18:16	109-99-9	
Toluene	ND	ug/L	1.0	1		01/31/17 18:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		01/31/17 18:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		01/31/17 18:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		01/31/17 18:16	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		01/31/17 18:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		01/31/17 18:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		01/31/17 18:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		01/31/17 18:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		01/31/17 18:16	108-67-8	
Vinyl chloride	**1.2**	ug/L	0.20	1		01/31/17 18:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		01/31/17 18:16	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%.	75-125	1		01/31/17 18:16	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		01/31/17 18:16	2037-26-5	
4-Bromofluorobenzene (S)	104	%.	75-125	1		01/31/17 18:16	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-16 **Lab ID: 10377631003** Collected: 01/30/17 11:30 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	100	5		02/01/17 06:00	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		02/01/17 06:00	107-05-1	
Benzene	ND	ug/L	5.0	5		02/01/17 06:00	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		02/01/17 06:00	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		02/01/17 06:00	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		02/01/17 06:00	75-27-4	
Bromoform	ND	ug/L	20.0	5		02/01/17 06:00	75-25-2	
Bromomethane	ND	ug/L	50.0	5		02/01/17 06:00	74-83-9	
2-Butanone (MEK)	**106**	ug/L	25.0	5		02/01/17 06:00	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		02/01/17 06:00	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	108-90-7	
Chloroethane	ND	ug/L	20.0	5		02/01/17 06:00	75-00-3	
Chloroform	**13.4**	ug/L	5.0	5		02/01/17 06:00	67-66-3	
Chloromethane	ND	ug/L	20.0	5		02/01/17 06:00	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		02/01/17 06:00	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		02/01/17 06:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		02/01/17 06:00	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	5		02/01/17 06:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		02/01/17 06:00	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		02/01/17 06:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		02/01/17 06:00	75-71-8	
1,1-Dichloroethane	**9.0**	ug/L	5.0	5		02/01/17 06:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		02/01/17 06:00	107-06-2	
1,1-Dichloroethene	**82.4**	ug/L	5.0	5		02/01/17 06:00	75-35-4	
cis-1,2-Dichloroethene	**91500**	ug/L	500	500		02/06/17 21:29	156-59-2	
trans-1,2-Dichloroethene	**107**	ug/L	5.0	5		02/01/17 06:00	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		02/01/17 06:00	75-43-4	
1,2-Dichloropropane	**26.4**	ug/L	20.0	5		02/01/17 06:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		02/01/17 06:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		02/01/17 06:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		02/01/17 06:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		02/01/17 06:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		02/01/17 06:00	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		02/01/17 06:00	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		02/01/17 06:00	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		02/01/17 06:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		02/01/17 06:00	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		02/01/17 06:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		02/01/17 06:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		02/01/17 06:00	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-16 **Lab ID: 10377631003** Collected: 01/30/17 11:30 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	20.0	5		02/01/17 06:00	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	103-65-1	
Styrene	ND	ug/L	5.0	5		02/01/17 06:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		02/01/17 06:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		02/01/17 06:00	79-34-5	
Tetrachloroethene	**303**	ug/L	5.0	5		02/01/17 06:00	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		02/01/17 06:00	109-99-9	
Toluene	ND	ug/L	5.0	5		02/01/17 06:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		02/01/17 06:00	120-82-1	
1,1,1-Trichloroethane	**28.7**	ug/L	5.0	5		02/01/17 06:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		02/01/17 06:00	79-00-5	
Trichloroethene	**341**	ug/L	2.0	5		02/01/17 06:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		02/01/17 06:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		02/01/17 06:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	**526**	ug/L	5.0	5		02/01/17 06:00	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		02/01/17 06:00	108-67-8	
Vinyl chloride	**179**	ug/L	1.0	5		02/01/17 06:00	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		02/01/17 06:00	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%.	75-125	5		02/01/17 06:00	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	5		02/01/17 06:00	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	5		02/01/17 06:00	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-17 **Lab ID: 10377631004** Collected: 01/30/17 11:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		02/01/17 03:19	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 03:19	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 03:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 03:19	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 03:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 03:19	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 03:19	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 03:19	74-83-9	
2-Butanone (MEK)	**50.7**	ug/L	5.0	1		02/01/17 03:19	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 03:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 03:19	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 03:19	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 03:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 03:19	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 03:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 03:19	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 03:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 03:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:19	75-35-4	
cis-1,2-Dichloroethene	**14.4**	ug/L	1.0	1		02/01/17 03:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:19	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:19	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 03:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 03:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:19	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 03:19	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 03:19	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 03:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 03:19	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 03:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 03:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 03:19	1634-04-4	

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-17 **Lab ID: 10377631004** Collected: 01/30/17 11:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 03:19	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 03:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:19	79-34-5	
Tetrachloroethene	**4.0**	ug/L	1.0	1		02/01/17 03:19	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 03:19	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 03:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:19	79-00-5	
Trichloroethene	**0.61**	ug/L	0.40	1		02/01/17 03:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 03:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 03:19	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:19	108-67-8	
Vinyl chloride	**1.7**	ug/L	0.20	1		02/01/17 03:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 03:19	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%.	75-125	1		02/01/17 03:19	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	1		02/01/17 03:19	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	1		02/01/17 03:19	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-18 **Lab ID: 10377631005** Collected: 01/30/17 10:05 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		02/01/17 03:35	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 03:35	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 03:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 03:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 03:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 03:35	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 03:35	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 03:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/01/17 03:35	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 03:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 03:35	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 03:35	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 03:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 03:35	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 03:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 03:35	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 03:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 03:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:35	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:35	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 03:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 03:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 03:35	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 03:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 03:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 03:35	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 03:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 03:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 03:35	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-18 **Lab ID: 10377631005** Collected: 01/30/17 10:05 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 03:35	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 03:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:35	79-34-5	
Tetrachloroethene	**6.1**	ug/L	1.0	1		02/01/17 03:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 03:35	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 03:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:35	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		02/01/17 03:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 03:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 03:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:35	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		02/01/17 03:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 03:35	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%.	75-125	1		02/01/17 03:35	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		02/01/17 03:35	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	75-125	1		02/01/17 03:35	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-19 **Lab ID: 10377631006** Collected: 01/30/17 12:50 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		02/01/17 03:51	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 03:51	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 03:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 03:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 03:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 03:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 03:51	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 03:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/01/17 03:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 03:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 03:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 03:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 03:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 03:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 03:51	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 03:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 03:51	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 03:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 03:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 03:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:51	75-35-4	
cis-1,2-Dichloroethene	**3.6**	ug/L	1.0	1		02/01/17 03:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 03:51	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:51	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 03:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 03:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 03:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 03:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 03:51	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 03:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 03:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 03:51	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 03:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 03:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 03:51	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-19 **Lab ID: 10377631006** Collected: 01/30/17 12:50 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 03:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 03:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 03:51	79-34-5	
Tetrachloroethene	**1.8**	ug/L	1.0	1		02/01/17 03:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 03:51	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 03:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 03:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 03:51	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		02/01/17 03:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 03:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 03:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 03:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 03:51	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		02/01/17 03:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 03:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	75-125	1		02/01/17 03:51	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		02/01/17 03:51	2037-26-5	
4-Bromofluorobenzene (S)	111	%.	75-125	1		02/01/17 03:51	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-20 **Lab ID: 10377631007** Collected: 01/30/17 13:15 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		02/01/17 04:09	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 04:09	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 04:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 04:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 04:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 04:09	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 04:09	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 04:09	74-83-9	
2-Butanone (MEK)	**15.2**	ug/L	5.0	1		02/01/17 04:09	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 04:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 04:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 04:09	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 04:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 04:09	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 04:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 04:09	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 04:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 04:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:09	75-35-4	
cis-1,2-Dichloroethene	**69.4**	ug/L	1.0	1		02/01/17 04:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 04:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 04:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 04:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 04:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 04:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 04:09	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 04:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 04:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 04:09	1634-04-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: MW-20 **Lab ID: 10377631007** Collected: 01/30/17 13:15 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 04:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 04:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/01/17 04:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 04:09	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 04:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:09	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		02/01/17 04:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 04:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 04:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:09	108-67-8	
Vinyl chloride	**58.0**	ug/L	0.20	1		02/01/17 04:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 04:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%.	75-125	1		02/01/17 04:09	17060-07-0	
Toluene-d8 (S)	101	%.	75-125	1		02/01/17 04:09	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	1		02/01/17 04:09	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-1 **Lab ID: 10377631008** Collected: 01/30/17 13:45 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	10000	500		02/07/17 23:12	67-64-1	
Allyl chloride	ND	ug/L	2000	500		02/07/17 23:12	107-05-1	
Benzene	ND	ug/L	500	500		02/07/17 23:12	71-43-2	
Bromobenzene	ND	ug/L	500	500		02/07/17 23:12	108-86-1	
Bromochloromethane	ND	ug/L	500	500		02/07/17 23:12	74-97-5	
Bromodichloromethane	ND	ug/L	500	500		02/07/17 23:12	75-27-4	
Bromoform	ND	ug/L	2000	500		02/07/17 23:12	75-25-2	
Bromomethane	ND	ug/L	2000	500		02/07/17 23:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	2500	500		02/07/17 23:12	78-93-3	
n-Butylbenzene	ND	ug/L	500	500		02/07/17 23:12	104-51-8	
sec-Butylbenzene	ND	ug/L	500	500		02/07/17 23:12	135-98-8	
tert-Butylbenzene	ND	ug/L	500	500		02/07/17 23:12	98-06-6	
Carbon tetrachloride	ND	ug/L	500	500		02/07/17 23:12	56-23-5	
Chlorobenzene	ND	ug/L	500	500		02/07/17 23:12	108-90-7	
Chloroethane	ND	ug/L	500	500		02/07/17 23:12	75-00-3	
Chloroform	ND	ug/L	500	500		02/07/17 23:12	67-66-3	
Chloromethane	ND	ug/L	2000	500		02/07/17 23:12	74-87-3	
2-Chlorotoluene	ND	ug/L	500	500		02/07/17 23:12	95-49-8	
4-Chlorotoluene	ND	ug/L	500	500		02/07/17 23:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	5000	500		02/07/17 23:12	96-12-8	
Dibromochloromethane	ND	ug/L	2000	500		02/07/17 23:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	500	500		02/07/17 23:12	106-93-4	
Dibromomethane	ND	ug/L	2000	500		02/07/17 23:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	500	500		02/07/17 23:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	500	500		02/07/17 23:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	500	500		02/07/17 23:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	500	500		02/07/17 23:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	500	500		02/07/17 23:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	500	500		02/07/17 23:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	500	500		02/07/17 23:12	75-35-4	
cis-1,2-Dichloroethene	**46100**	ug/L	500	500		02/07/17 23:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	500	500		02/07/17 23:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	500	500		02/07/17 23:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	2000	500		02/07/17 23:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	500	500		02/07/17 23:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	2000	500		02/07/17 23:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	500	500		02/07/17 23:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	2000	500		02/07/17 23:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	2000	500		02/07/17 23:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	2000	500		02/07/17 23:12	60-29-7	
Ethylbenzene	ND	ug/L	500	500		02/07/17 23:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2000	500		02/07/17 23:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	500	500		02/07/17 23:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	500	500		02/07/17 23:12	99-87-6	
Methylene Chloride	ND	ug/L	2000	500		02/07/17 23:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	2500	500		02/07/17 23:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	500	500		02/07/17 23:12	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-1 **Lab ID: 10377631008** Collected: 01/30/17 13:45 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	2000	500		02/07/17 23:12	91-20-3	
n-Propylbenzene	ND	ug/L	500	500		02/07/17 23:12	103-65-1	
Styrene	ND	ug/L	500	500		02/07/17 23:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	500	500		02/07/17 23:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	500	500		02/07/17 23:12	79-34-5	
Tetrachloroethene	**1480**	ug/L	500	500		02/07/17 23:12	127-18-4	
Tetrahydrofuran	ND	ug/L	5000	500		02/07/17 23:12	109-99-9	
Toluene	ND	ug/L	500	500		02/07/17 23:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2000	500		02/07/17 23:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	500	500		02/07/17 23:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	500	500		02/07/17 23:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	500	500		02/07/17 23:12	79-00-5	
Trichloroethene	**605**	ug/L	200	500		02/07/17 23:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	500	500		02/07/17 23:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2000	500		02/07/17 23:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	500	500		02/07/17 23:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	500	500		02/07/17 23:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	500	500		02/07/17 23:12	108-67-8	
Vinyl chloride	**289**	ug/L	100	500		02/07/17 23:12	75-01-4	
Xylene (Total)	ND	ug/L	1500	500		02/07/17 23:12	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	500		02/07/17 23:12	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	500		02/07/17 23:12	2037-26-5	
4-Bromofluorobenzene (S)	102	%.	75-125	500		02/07/17 23:12	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-2 **Lab ID: 10377631009** Collected: 01/30/17 16:05 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	100	5		02/07/17 22:25	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		02/07/17 22:25	107-05-1	
Benzene	ND	ug/L	5.0	5		02/07/17 22:25	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		02/07/17 22:25	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		02/07/17 22:25	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		02/07/17 22:25	75-27-4	
Bromoform	ND	ug/L	20.0	5		02/07/17 22:25	75-25-2	
Bromomethane	ND	ug/L	20.0	5		02/07/17 22:25	74-83-9	
2-Butanone (MEK)	**55.6**	ug/L	25.0	5		02/07/17 22:25	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		02/07/17 22:25	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		02/07/17 22:25	108-90-7	
Chloroethane	ND	ug/L	5.0	5		02/07/17 22:25	75-00-3	
Chloroform	ND	ug/L	5.0	5		02/07/17 22:25	67-66-3	
Chloromethane	ND	ug/L	20.0	5		02/07/17 22:25	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		02/07/17 22:25	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		02/07/17 22:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		02/07/17 22:25	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	5		02/07/17 22:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		02/07/17 22:25	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		02/07/17 22:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		02/07/17 22:25	75-71-8	
1,1-Dichloroethane	**8.2**	ug/L	5.0	5		02/07/17 22:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		02/07/17 22:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		02/07/17 22:25	75-35-4	
cis-1,2-Dichloroethene	**669**	ug/L	5.0	5		02/07/17 22:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		02/07/17 22:25	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		02/07/17 22:25	75-43-4	
1,2-Dichloropropane	ND	ug/L	20.0	5		02/07/17 22:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		02/07/17 22:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		02/07/17 22:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		02/07/17 22:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		02/07/17 22:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		02/07/17 22:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		02/07/17 22:25	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	5		02/07/17 22:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		02/07/17 22:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		02/07/17 22:25	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		02/07/17 22:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		02/07/17 22:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		02/07/17 22:25	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-2 **Lab ID: 10377631009** Collected: 01/30/17 16:05 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	20.0	5		02/07/17 22:25	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	103-65-1	
Styrene	ND	ug/L	5.0	5		02/07/17 22:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		02/07/17 22:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		02/07/17 22:25	79-34-5	
Tetrachloroethene	**220**	ug/L	5.0	5		02/07/17 22:25	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		02/07/17 22:25	109-99-9	
Toluene	ND	ug/L	5.0	5		02/07/17 22:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	5		02/07/17 22:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		02/07/17 22:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		02/07/17 22:25	79-00-5	
Trichloroethene	**58.6**	ug/L	2.0	5		02/07/17 22:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		02/07/17 22:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		02/07/17 22:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	**7.3**	ug/L	5.0	5		02/07/17 22:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		02/07/17 22:25	108-67-8	
Vinyl chloride	**800**	ug/L	1.0	5		02/07/17 22:25	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		02/07/17 22:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%.	75-125	5		02/07/17 22:25	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	5		02/07/17 22:25	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	5		02/07/17 22:25	460-00-4	

REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-3 **Lab ID: 10377631010** Collected: 01/30/17 14:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	500	25		02/07/17 22:56	67-64-1	
Allyl chloride	ND	ug/L	100	25		02/07/17 22:56	107-05-1	
Benzene	ND	ug/L	25.0	25		02/07/17 22:56	71-43-2	
Bromobenzene	ND	ug/L	25.0	25		02/07/17 22:56	108-86-1	
Bromochloromethane	ND	ug/L	25.0	25		02/07/17 22:56	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	25		02/07/17 22:56	75-27-4	
Bromoform	ND	ug/L	100	25		02/07/17 22:56	75-25-2	
Bromomethane	ND	ug/L	100	25		02/07/17 22:56	74-83-9	
2-Butanone (MEK)	**176**	ug/L	125	25		02/07/17 22:56	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	25		02/07/17 22:56	56-23-5	
Chlorobenzene	ND	ug/L	25.0	25		02/07/17 22:56	108-90-7	
Chloroethane	ND	ug/L	25.0	25		02/07/17 22:56	75-00-3	
Chloroform	ND	ug/L	25.0	25		02/07/17 22:56	67-66-3	
Chloromethane	ND	ug/L	100	25		02/07/17 22:56	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	25		02/07/17 22:56	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	25		02/07/17 22:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	25		02/07/17 22:56	96-12-8	
Dibromochloromethane	ND	ug/L	100	25		02/07/17 22:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	25		02/07/17 22:56	106-93-4	
Dibromomethane	ND	ug/L	100	25		02/07/17 22:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	25		02/07/17 22:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	25		02/07/17 22:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	25		02/07/17 22:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	25		02/07/17 22:56	75-35-4	
cis-1,2-Dichloroethene	**1170**	ug/L	25.0	25		02/07/17 22:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	25		02/07/17 22:56	156-60-5	
Dichlorofluoromethane	ND	ug/L	25.0	25		02/07/17 22:56	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	25		02/07/17 22:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	25		02/07/17 22:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	25		02/07/17 22:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	25		02/07/17 22:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	25		02/07/17 22:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	25		02/07/17 22:56	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	100	25		02/07/17 22:56	60-29-7	
Ethylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	25		02/07/17 22:56	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	25		02/07/17 22:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	25		02/07/17 22:56	99-87-6	
Methylene Chloride	ND	ug/L	100	25		02/07/17 22:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	25		02/07/17 22:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	25		02/07/17 22:56	1634-04-4	

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(612)607-1700

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-3 **Lab ID: 10377631010** Collected: 01/30/17 14:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	100	25		02/07/17 22:56	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	103-65-1	
Styrene	ND	ug/L	25.0	25		02/07/17 22:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	25		02/07/17 22:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	25		02/07/17 22:56	79-34-5	
Tetrachloroethene	**3010**	ug/L	25.0	25		02/07/17 22:56	127-18-4	
Tetrahydrofuran	ND	ug/L	250	25		02/07/17 22:56	109-99-9	
Toluene	ND	ug/L	25.0	25		02/07/17 22:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	25		02/07/17 22:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	25		02/07/17 22:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	25		02/07/17 22:56	79-00-5	
Trichloroethene	**66.1**	ug/L	10.0	25		02/07/17 22:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		02/07/17 22:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	25		02/07/17 22:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	**531**	ug/L	25.0	25		02/07/17 22:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	25		02/07/17 22:56	108-67-8	
Vinyl chloride	**240**	ug/L	5.0	25		02/07/17 22:56	75-01-4	
Xylene (Total)	ND	ug/L	75.0	25		02/07/17 22:56	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	25		02/07/17 22:56	17060-07-0	
Toluene-d8 (S)	99	%.	75-125	25		02/07/17 22:56	2037-26-5	
4-Bromofluorobenzene (S)	105	%.	75-125	25		02/07/17 22:56	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-4 **Lab ID: 10377631011** Collected: 01/30/17 14:50 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**733**	ug/L	500	25		02/07/17 22:41	67-64-1	
Allyl chloride	ND	ug/L	100	25		02/07/17 22:41	107-05-1	
Benzene	ND	ug/L	25.0	25		02/07/17 22:41	71-43-2	
Bromobenzene	ND	ug/L	25.0	25		02/07/17 22:41	108-86-1	
Bromochloromethane	ND	ug/L	25.0	25		02/07/17 22:41	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	25		02/07/17 22:41	75-27-4	
Bromoform	ND	ug/L	100	25		02/07/17 22:41	75-25-2	
Bromomethane	ND	ug/L	100	25		02/07/17 22:41	74-83-9	
2-Butanone (MEK)	**195**	ug/L	125	25		02/07/17 22:41	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	25		02/07/17 22:41	56-23-5	
Chlorobenzene	ND	ug/L	25.0	25		02/07/17 22:41	108-90-7	
Chloroethane	ND	ug/L	25.0	25		02/07/17 22:41	75-00-3	
Chloroform	ND	ug/L	25.0	25		02/07/17 22:41	67-66-3	
Chloromethane	ND	ug/L	100	25		02/07/17 22:41	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	25		02/07/17 22:41	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	25		02/07/17 22:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	250	25		02/07/17 22:41	96-12-8	
Dibromochloromethane	ND	ug/L	100	25		02/07/17 22:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	25		02/07/17 22:41	106-93-4	
Dibromomethane	ND	ug/L	100	25		02/07/17 22:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	25		02/07/17 22:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	25		02/07/17 22:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	25		02/07/17 22:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	25		02/07/17 22:41	75-35-4	
cis-1,2-Dichloroethene	**497**	ug/L	25.0	25		02/07/17 22:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	25.0	25		02/07/17 22:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	25.0	25		02/07/17 22:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	25		02/07/17 22:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	25		02/07/17 22:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	25		02/07/17 22:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	25		02/07/17 22:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	25		02/07/17 22:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	25		02/07/17 22:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	100	25		02/07/17 22:41	60-29-7	
Ethylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	25		02/07/17 22:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	25		02/07/17 22:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	25		02/07/17 22:41	99-87-6	
Methylene Chloride	ND	ug/L	100	25		02/07/17 22:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	125	25		02/07/17 22:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	25		02/07/17 22:41	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-4 **Lab ID: 10377631011** Collected: 01/30/17 14:50 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	100	25		02/07/17 22:41	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	103-65-1	
Styrene	ND	ug/L	25.0	25		02/07/17 22:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	25		02/07/17 22:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	25		02/07/17 22:41	79-34-5	
Tetrachloroethene	**2450**	ug/L	25.0	25		02/07/17 22:41	127-18-4	
Tetrahydrofuran	ND	ug/L	250	25		02/07/17 22:41	109-99-9	
Toluene	ND	ug/L	25.0	25		02/07/17 22:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	100	25		02/07/17 22:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	25		02/07/17 22:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	25		02/07/17 22:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	25		02/07/17 22:41	79-00-5	
Trichloroethene	**283**	ug/L	10.0	25		02/07/17 22:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		02/07/17 22:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	25		02/07/17 22:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	**221**	ug/L	25.0	25		02/07/17 22:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	25		02/07/17 22:41	108-67-8	
Vinyl chloride	**197**	ug/L	5.0	25		02/07/17 22:41	75-01-4	
Xylene (Total)	ND	ug/L	75.0	25		02/07/17 22:41	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%.	75-125	25		02/07/17 22:41	17060-07-0	
Toluene-d8 (S)	97	%.	75-125	25		02/07/17 22:41	2037-26-5	
4-Bromofluorobenzene (S)	103	%.	75-125	25		02/07/17 22:41	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-5 **Lab ID: 10377631012** Collected: 01/30/17 16:25 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	100	5		02/07/17 22:09	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		02/07/17 22:09	107-05-1	
Benzene	ND	ug/L	5.0	5		02/07/17 22:09	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		02/07/17 22:09	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		02/07/17 22:09	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		02/07/17 22:09	75-27-4	
Bromoform	ND	ug/L	20.0	5		02/07/17 22:09	75-25-2	
Bromomethane	ND	ug/L	20.0	5		02/07/17 22:09	74-83-9	
2-Butanone (MEK)	**597**	ug/L	25.0	5		02/07/17 22:09	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		02/07/17 22:09	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		02/07/17 22:09	108-90-7	
Chloroethane	ND	ug/L	5.0	5		02/07/17 22:09	75-00-3	
Chloroform	ND	ug/L	5.0	5		02/07/17 22:09	67-66-3	
Chloromethane	ND	ug/L	20.0	5		02/07/17 22:09	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		02/07/17 22:09	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		02/07/17 22:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	50.0	5		02/07/17 22:09	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	5		02/07/17 22:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		02/07/17 22:09	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		02/07/17 22:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		02/07/17 22:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		02/07/17 22:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		02/07/17 22:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		02/07/17 22:09	75-35-4	
cis-1,2-Dichloroethene	**21.2**	ug/L	5.0	5		02/07/17 22:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		02/07/17 22:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		02/07/17 22:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	20.0	5		02/07/17 22:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		02/07/17 22:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		02/07/17 22:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		02/07/17 22:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		02/07/17 22:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		02/07/17 22:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		02/07/17 22:09	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	5		02/07/17 22:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		02/07/17 22:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		02/07/17 22:09	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		02/07/17 22:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		02/07/17 22:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		02/07/17 22:09	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-5 **Lab ID: 10377631012** Collected: 01/30/17 16:25 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	20.0	5		02/07/17 22:09	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	103-65-1	
Styrene	ND	ug/L	5.0	5		02/07/17 22:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		02/07/17 22:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		02/07/17 22:09	79-34-5	
Tetrachloroethene	**12.4**	ug/L	5.0	5		02/07/17 22:09	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		02/07/17 22:09	109-99-9	
Toluene	ND	ug/L	5.0	5		02/07/17 22:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	5		02/07/17 22:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		02/07/17 22:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		02/07/17 22:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		02/07/17 22:09	79-00-5	
Trichloroethene	ND	ug/L	2.0	5		02/07/17 22:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		02/07/17 22:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		02/07/17 22:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	5.0	5		02/07/17 22:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		02/07/17 22:09	108-67-8	
Vinyl chloride	**12.6**	ug/L	1.0	5		02/07/17 22:09	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		02/07/17 22:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%.	75-125	5		02/07/17 22:09	17060-07-0	D3
Toluene-d8 (S)	100	%.	75-125	5		02/07/17 22:09	2037-26-5	
4-Bromofluorobenzene (S)	106	%.	75-125	5		02/07/17 22:09	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-6 **Lab ID: 10377631013** Collected: 01/30/17 15:45 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**862**	ug/L	20.0	1		02/01/17 04:25	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 04:25	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 04:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 04:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 04:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 04:25	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 04:25	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 04:25	74-83-9	
2-Butanone (MEK)	**800**	ug/L	5.0	1		02/01/17 04:25	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 04:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 04:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 04:25	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 04:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 04:25	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 04:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 04:25	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 04:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 04:25	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:25	75-35-4	
cis-1,2-Dichloroethene	**1.7**	ug/L	1.0	1		02/01/17 04:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:25	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:25	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 04:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 04:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 04:25	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 04:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 04:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 04:25	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 04:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 04:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 04:25	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-6 **Lab ID: 10377631013** Collected: 01/30/17 15:45 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 04:25	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 04:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:25	79-34-5	
Tetrachloroethene	**2.6**	ug/L	1.0	1		02/01/17 04:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 04:25	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 04:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:25	79-00-5	
Trichloroethene	**0.92**	ug/L	0.40	1		02/01/17 04:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 04:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 04:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:25	108-67-8	
Vinyl chloride	**1.9**	ug/L	0.20	1		02/01/17 04:25	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 04:25	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	75-125	1		02/01/17 04:25	17060-07-0	
Toluene-d8 (S)	104	%.	75-125	1		02/01/17 04:25	2037-26-5	
4-Bromofluorobenzene (S)	108	%.	75-125	1		02/01/17 04:25	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-7 **Lab ID: 10377631014** Collected: 01/30/17 15:20 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**37.6**	ug/L	20.0	1		02/01/17 05:12	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 05:12	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 05:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 05:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 05:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 05:12	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 05:12	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 05:12	74-83-9	
2-Butanone (MEK)	**200**	ug/L	5.0	1		02/01/17 05:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 05:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 05:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 05:12	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 05:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 05:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 05:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 05:12	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 05:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 05:12	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 05:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 05:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 05:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 05:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 05:12	75-35-4	
cis-1,2-Dichloroethene	**22.7**	ug/L	1.0	1		02/01/17 05:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 05:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 05:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 05:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 05:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 05:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 05:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 05:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 05:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 05:12	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 05:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 05:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 05:12	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 05:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 05:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 05:12	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-7 **Lab ID: 10377631014** Collected: 01/30/17 15:20 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 05:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 05:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 05:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 05:12	79-34-5	
Tetrachloroethene	**8.0**	ug/L	1.0	1		02/01/17 05:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 05:12	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 05:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 05:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 05:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 05:12	79-00-5	
Trichloroethene	**4.4**	ug/L	0.40	1		02/01/17 05:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 05:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 05:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	**3.7**	ug/L	1.0	1		02/01/17 05:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 05:12	108-67-8	
Vinyl chloride	**15.4**	ug/L	0.20	1		02/01/17 05:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 05:12	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		02/01/17 05:12	17060-07-0	
Toluene-d8 (S)	102	%.	75-125	1		02/01/17 05:12	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	1		02/01/17 05:12	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-8 **Lab ID: 10377631015** Collected: 01/30/17 16:35 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	**224**	ug/L	20.0	1		02/01/17 04:41	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 04:41	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 04:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 04:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 04:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 04:41	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 04:41	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 04:41	74-83-9	
2-Butanone (MEK)	**192**	ug/L	5.0	1		02/01/17 04:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 04:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 04:41	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 04:41	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 04:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 04:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 04:41	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 04:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 04:41	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 04:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 04:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 04:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:41	75-35-4	
cis-1,2-Dichloroethene	**6.4**	ug/L	1.0	1		02/01/17 04:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 04:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 04:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 04:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 04:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 04:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 04:41	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 04:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 04:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 04:41	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 04:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 04:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 04:41	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: DPE-8 **Lab ID: 10377631015** Collected: 01/30/17 16:35 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 04:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 04:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 04:41	79-34-5	
Tetrachloroethene	**8.8**	ug/L	1.0	1		02/01/17 04:41	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 04:41	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 04:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 04:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 04:41	79-00-5	
Trichloroethene	**1.4**	ug/L	0.40	1		02/01/17 04:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 04:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 04:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 04:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 04:41	108-67-8	
Vinyl chloride	**40.8**	ug/L	0.20	1		02/01/17 04:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 04:41	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%.	75-125	1		02/01/17 04:41	17060-07-0	
Toluene-d8 (S)	100	%.	75-125	1		02/01/17 04:41	2037-26-5	
4-Bromofluorobenzene (S)	109	%.	75-125	1		02/01/17 04:41	460-00-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: Trip Blank **Lab ID: 10377631016** Collected: 01/30/17 00:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Acetone	ND	ug/L	20.0	1		02/01/17 01:58	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		02/01/17 01:58	107-05-1	
Benzene	ND	ug/L	1.0	1		02/01/17 01:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		02/01/17 01:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		02/01/17 01:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		02/01/17 01:58	75-27-4	
Bromoform	ND	ug/L	4.0	1		02/01/17 01:58	75-25-2	
Bromomethane	ND	ug/L	10.0	1		02/01/17 01:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		02/01/17 01:58	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		02/01/17 01:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	108-90-7	
Chloroethane	ND	ug/L	4.0	1		02/01/17 01:58	75-00-3	
Chloroform	ND	ug/L	1.0	1		02/01/17 01:58	67-66-3	
Chloromethane	ND	ug/L	4.0	1		02/01/17 01:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 01:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		02/01/17 01:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	10.0	1		02/01/17 01:58	96-12-8	
Dibromochloromethane	ND	ug/L	4.0	1		02/01/17 01:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		02/01/17 01:58	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		02/01/17 01:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		02/01/17 01:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		02/01/17 01:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		02/01/17 01:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		02/01/17 01:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 01:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		02/01/17 01:58	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 01:58	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 01:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		02/01/17 01:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		02/01/17 01:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		02/01/17 01:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 01:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		02/01/17 01:58	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		02/01/17 01:58	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		02/01/17 01:58	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		02/01/17 01:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		02/01/17 01:58	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		02/01/17 01:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		02/01/17 01:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		02/01/17 01:58	1634-04-4	

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ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10377631

Sample: Trip Blank **Lab ID: 10377631016** Collected: 01/30/17 00:00 Received: 01/30/17 18:58 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260B VOC	Analytical Method: EPA 8260B							
Naphthalene	ND	ug/L	4.0	1		02/01/17 01:58	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	103-65-1	
Styrene	ND	ug/L	1.0	1		02/01/17 01:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 01:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		02/01/17 01:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		02/01/17 01:58	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		02/01/17 01:58	109-99-9	
Toluene	ND	ug/L	1.0	1		02/01/17 01:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		02/01/17 01:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		02/01/17 01:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		02/01/17 01:58	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		02/01/17 01:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		02/01/17 01:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		02/01/17 01:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		02/01/17 01:58	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		02/01/17 01:58	108-67-8	
Vinyl chloride	ND	ug/L	0.20	1		02/01/17 01:58	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		02/01/17 01:58	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	104	%.	75-125	1		02/01/17 01:58	17060-07-0	
Toluene-d8 (S)	103	%.	75-125	1		02/01/17 01:58	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	75-125	1		02/01/17 01:58	460-00-4	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

QC Batch: 457999 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10377631001, 10377631002

METHOD BLANK: 2506782 Matrix: Water
Associated Lab Samples: 10377631001, 10377631002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1,1-Trichloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1,2-Trichloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1-Dichloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,1-Dichloroethene	ug/L	ND	1.0	01/31/17 14:47	
1,1-Dichloropropene	ug/L	ND	1.0	01/31/17 14:47	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
1,2,3-Trichloropropane	ug/L	ND	4.0	01/31/17 14:47	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	01/31/17 14:47	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	01/31/17 14:47	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	01/31/17 14:47	
1,2-Dichlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
1,2-Dichloroethane	ug/L	ND	1.0	01/31/17 14:47	
1,2-Dichloropropane	ug/L	ND	4.0	01/31/17 14:47	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	01/31/17 14:47	
1,3-Dichlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
1,3-Dichloropropane	ug/L	ND	1.0	01/31/17 14:47	
1,4-Dichlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
2,2-Dichloropropane	ug/L	ND	4.0	01/31/17 14:47	
2-Butanone (MEK)	ug/L	ND	5.0	01/31/17 14:47	
2-Chlorotoluene	ug/L	ND	1.0	01/31/17 14:47	
4-Chlorotoluene	ug/L	ND	1.0	01/31/17 14:47	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	01/31/17 14:47	
Acetone	ug/L	ND	20.0	01/31/17 14:47	
Allyl chloride	ug/L	ND	4.0	01/31/17 14:47	
Benzene	ug/L	ND	1.0	01/31/17 14:47	
Bromobenzene	ug/L	ND	1.0	01/31/17 14:47	
Bromochloromethane	ug/L	ND	1.0	01/31/17 14:47	
Bromodichloromethane	ug/L	ND	1.0	01/31/17 14:47	
Bromoform	ug/L	ND	4.0	01/31/17 14:47	
Bromomethane	ug/L	ND	10.0	01/31/17 14:47	
Carbon tetrachloride	ug/L	ND	1.0	01/31/17 14:47	
Chlorobenzene	ug/L	ND	1.0	01/31/17 14:47	
Chloroethane	ug/L	ND	4.0	01/31/17 14:47	
Chloroform	ug/L	ND	1.0	01/31/17 14:47	
Chloromethane	ug/L	ND	4.0	01/31/17 14:47	
cis-1,2-Dichloroethene	ug/L	ND	1.0	01/31/17 14:47	
cis-1,3-Dichloropropene	ug/L	ND	4.0	01/31/17 14:47	

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

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

METHOD BLANK: 2506782 Matrix: Water
Associated Lab Samples: 10377631001, 10377631002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	4.0	01/31/17 14:47	
Dibromomethane	ug/L	ND	4.0	01/31/17 14:47	
Dichlorodifluoromethane	ug/L	ND	1.0	01/31/17 14:47	
Dichlorofluoromethane	ug/L	ND	1.0	01/31/17 14:47	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	01/31/17 14:47	
Ethylbenzene	ug/L	ND	1.0	01/31/17 14:47	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	01/31/17 14:47	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	01/31/17 14:47	
Methyl-tert-butyl ether	ug/L	ND	1.0	01/31/17 14:47	
Methylene Chloride	ug/L	ND	4.0	01/31/17 14:47	
n-Butylbenzene	ug/L	ND	1.0	01/31/17 14:47	
n-Propylbenzene	ug/L	ND	1.0	01/31/17 14:47	
Naphthalene	ug/L	ND	4.0	01/31/17 14:47	
p-Isopropyltoluene	ug/L	ND	1.0	01/31/17 14:47	
sec-Butylbenzene	ug/L	ND	1.0	01/31/17 14:47	
Styrene	ug/L	ND	1.0	01/31/17 14:47	
tert-Butylbenzene	ug/L	ND	1.0	01/31/17 14:47	
Tetrachloroethene	ug/L	ND	1.0	01/31/17 14:47	
Tetrahydrofuran	ug/L	ND	10.0	01/31/17 14:47	
Toluene	ug/L	ND	1.0	01/31/17 14:47	
trans-1,2-Dichloroethene	ug/L	ND	1.0	01/31/17 14:47	
trans-1,3-Dichloropropene	ug/L	ND	4.0	01/31/17 14:47	
Trichloroethene	ug/L	ND	0.40	01/31/17 14:47	
Trichlorofluoromethane	ug/L	ND	1.0	01/31/17 14:47	
Vinyl chloride	ug/L	ND	0.20	01/31/17 14:47	
Xylene (Total)	ug/L	ND	3.0	01/31/17 14:47	
1,2-Dichloroethane-d4 (S)	%.	104	75-125	01/31/17 14:47	
4-Bromofluorobenzene (S)	%.	107	75-125	01/31/17 14:47	
Toluene-d8 (S)	%.	102	75-125	01/31/17 14:47	

LABORATORY CONTROL SAMPLE & LCSD: 2506783 2507922

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.6	20.3	103	101	75-125	2	20	
1,1,1-Trichloroethane	ug/L	20	19.7	17.6	99	88	73-125	12	20	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	23.3	108	117	75-128	8	20	
1,1,2-Trichloroethane	ug/L	20	20.8	20.4	104	102	75-129	2	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.4	17.5	97	87	69-125	10	20	
1,1-Dichloroethane	ug/L	20	19.8	17.7	99	88	75-131	11	20	
1,1-Dichloroethene	ug/L	20	20.7	18.9	103	95	72-125	9	20	
1,1-Dichloropropene	ug/L	20	19.8	18.2	99	91	74-125	8	20	
1,2,3-Trichlorobenzene	ug/L	20	18.3	20.3	92	101	68-127	10	20	
1,2,3-Trichloropropane	ug/L	20	22.0	22.8	110	114	75-125	3	20	
1,2,4-Trichlorobenzene	ug/L	20	18.8	19.2	94	96	70-125	2	20	

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(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE & LCSD: 2506783 2507922

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.2	19.0	106	95	75-130	11	20	
1,2-Dibromo-3-chloropropane	ug/L	50	46.0	55.5	92	111	74-125	19	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.9	19.2	100	96	75-125	3	20	
1,2-Dichlorobenzene	ug/L	20	20.9	19.5	104	98	75-125	7	20	
1,2-Dichloroethane	ug/L	20	19.1	18.3	96	91	72-129	4	20	
1,2-Dichloropropane	ug/L	20	20.1	18.0	100	90	71-129	11	20	
1,3,5-Trimethylbenzene	ug/L	20	19.9	18.2	100	91	75-127	9	20	
1,3-Dichlorobenzene	ug/L	20	20.4	19.0	102	95	75-125	7	20	
1,3-Dichloropropane	ug/L	20	20.3	20.4	102	102	75-125	0	20	
1,4-Dichlorobenzene	ug/L	20	19.5	18.3	97	91	75-125	6	20	
2,2-Dichloropropane	ug/L	20	18.9	16.9	95	85	71-125	11	20	
2-Butanone (MEK)	ug/L	100	98.7	122	99	122	58-150	21	20	R1
2-Chlorotoluene	ug/L	20	21.0	18.9	105	95	75-125	10	20	
4-Chlorotoluene	ug/L	20	22.1	19.4	110	97	75-130	13	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	107	125	107	125	72-140	16	20	
Acetone	ug/L	100	101	102	101	102	69-137	0	20	
Allyl chloride	ug/L	20	19.3	18.1	96	91	68-132	6	20	
Benzene	ug/L	20	19.0	17.3	95	87	75-125	9	20	
Bromobenzene	ug/L	20	20.7	18.4	103	92	75-125	11	20	
Bromochloromethane	ug/L	20	20.8	19.5	104	98	75-125	6	20	
Bromodichloromethane	ug/L	20	20.5	20.5	103	102	69-128	0	20	
Bromoform	ug/L	20	20.0	19.6	100	98	75-125	2	20	
Bromomethane	ug/L	20	17.9	19.2	90	96	30-150	7	20	
Carbon tetrachloride	ug/L	20	19.9	18.4	100	92	74-125	8	20	
Chlorobenzene	ug/L	20	19.3	18.4	96	92	75-125	4	20	
Chloroethane	ug/L	20	22.8	21.1	114	105	60-150	8	20	
Chloroform	ug/L	20	20.4	18.6	102	93	75-126	9	20	
Chloromethane	ug/L	20	22.0	20.5	110	103	46-150	7	20	
cis-1,2-Dichloroethene	ug/L	20	19.8	18.0	99	90	75-126	10	20	
cis-1,3-Dichloropropene	ug/L	20	20.7	19.7	104	98	75-125	5	20	
Dibromochloromethane	ug/L	20	20.1	19.6	101	98	75-125	2	20	
Dibromomethane	ug/L	20	19.1	19.9	96	99	72-127	4	20	
Dichlorodifluoromethane	ug/L	20	16.9	14.9	84	75	58-135	12	20	
Dichlorofluoromethane	ug/L	20	20.0	18.9	100	95	68-149	6	20	
Diethyl ether (Ethyl ether)	ug/L	20	20.6	19.8	103	99	66-144	4	20	
Ethylbenzene	ug/L	20	19.9	18.0	100	90	75-125	10	20	
Hexachloro-1,3-butadiene	ug/L	20	14.9	18.3	74	91	73-125	21	20	R1
Isopropylbenzene (Cumene)	ug/L	20	19.3	17.6	96	88	69-140	9	20	
Methyl-tert-butyl ether	ug/L	20	21.0	19.9	105	100	75-126	5	20	
Methylene Chloride	ug/L	20	20.7	19.7	104	99	71-130	5	20	
n-Butylbenzene	ug/L	20	21.6	19.9	108	100	71-129	8	20	
n-Propylbenzene	ug/L	20	21.2	18.1	106	90	71-133	16	20	
Naphthalene	ug/L	20	18.2	20.7	91	104	59-137	13	20	
p-Isopropyltoluene	ug/L	20	19.2	18.1	96	91	74-127	6	20	
sec-Butylbenzene	ug/L	20	21.2	19.3	106	97	66-140	9	20	
Styrene	ug/L	20	21.2	19.2	106	96	75-125	10	20	
tert-Butylbenzene	ug/L	20	19.8	17.4	99	87	73-129	13	20	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE & LCSD: 2506783 2507922

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/L	20	17.6	16.3	88	81	75-125	8	20	
Tetrahydrofuran	ug/L	200	184	178	92	89	71-129	3	20	
Toluene	ug/L	20	20.0	18.6	100	93	75-125	7	20	
trans-1,2-Dichloroethene	ug/L	20	20.3	18.8	101	94	75-125	8	20	
trans-1,3-Dichloropropene	ug/L	20	20.9	20.6	104	103	75-125	1	20	
Trichloroethene	ug/L	20	18.4	17.5	92	88	75-125	5	20	
Trichlorofluoromethane	ug/L	20	19.7	18.2	99	91	74-128	8	20	
Vinyl chloride	ug/L	20	20.8	19.2	104	96	71-131	8	20	
Xylene (Total)	ug/L	60	59.4	53.7	99	90	75-125	10	20	
1,2-Dichloroethane-d4 (S)	%.				105	106	75-125			
4-Bromofluorobenzene (S)	%.				106	101	75-125			
Toluene-d8 (S)	%.				103	102	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2507920 2507921

Parameter	Units	10377585004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	1000	1000	1070	1010	107	101	75-125	5	30	
1,1,1-Trichloroethane	ug/L	ND	1000	1000	988	958	99	96	71-144	3	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	1000	1000	1100	1100	110	110	75-131	0	30	
1,1,2-Trichloroethane	ug/L	ND	1000	1000	1010	1000	101	100	75-125	0	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1000	1000	1060	988	106	99	75-150	7	30	
1,1-Dichloroethane	ug/L	ND	1000	1000	960	932	96	93	64-150	3	30	
1,1-Dichloroethene	ug/L	ND	1000	1000	1070	1020	107	102	68-150	5	30	
1,1-Dichloropropene	ug/L	ND	1000	1000	1040	967	104	97	68-145	7	30	
1,2,3-Trichlorobenzene	ug/L	ND	1000	1000	960	904	96	90	57-142	6	30	
1,2,3-Trichloropropane	ug/L	ND	1000	1000	1170	1140	117	114	75-125	2	30	
1,2,4-Trichlorobenzene	ug/L	ND	1000	1000	935	846	93	85	60-135	10	30	
1,2,4-Trimethylbenzene	ug/L	ND	1000	1000	1090	1020	109	102	67-148	7	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	2500	2500	2470	2400	99	96	32-137	3	30	
1,2-Dibromoethane (EDB)	ug/L	ND	1000	1000	995	949	99	95	75-125	5	30	
1,2-Dichlorobenzene	ug/L	ND	1000	1000	1060	1050	106	105	75-125	1	30	
1,2-Dichloroethane	ug/L	ND	1000	1000	908	921	91	92	62-138	2	30	
1,2-Dichloropropane	ug/L	ND	1000	1000	1040	961	104	96	62-144	8	30	
1,3,5-Trimethylbenzene	ug/L	ND	1000	1000	1020	968	102	97	67-148	5	30	
1,3-Dichlorobenzene	ug/L	ND	1000	1000	1040	988	104	99	74-131	5	30	
1,3-Dichloropropane	ug/L	ND	1000	1000	1000	988	100	99	75-127	1	30	
1,4-Dichlorobenzene	ug/L	ND	1000	1000	970	969	97	97	74-126	0	30	
2,2-Dichloropropane	ug/L	ND	1000	1000	967	837	97	84	56-146	14	30	
2-Butanone (MEK)	ug/L	ND	5000	5000	5090	5140	102	103	47-150	1	30	
2-Chlorotoluene	ug/L	ND	1000	1000	1090	1030	109	103	74-137	6	30	
4-Chlorotoluene	ug/L	ND	1000	1000	1070	1070	107	107	72-138	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5000	5000	5540	5620	111	112	60-147	1	30	
Acetone	ug/L	ND	5000	5000	4970	5070	99	101	61-150	2	30	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2507920 2507921

Parameter	Units	10377585004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Allyl chloride	ug/L	ND	1000	1000	927	869	93	87	53-150	6	30	
Benzene	ug/L	ND	1000	1000	928	907	93	91	52-147	2	30	
Bromobenzene	ug/L	ND	1000	1000	1060	966	106	97	75-129	9	30	
Bromochloromethane	ug/L	ND	1000	1000	1030	958	103	96	72-128	7	30	
Bromodichloromethane	ug/L	ND	1000	1000	1070	965	107	97	65-137	10	30	
Bromoform	ug/L	ND	1000	1000	1000	832	100	83	59-133	19	30	
Bromomethane	ug/L	ND	1000	1000	1220	1110	122	111	30-150	9	30	
Carbon tetrachloride	ug/L	ND	1000	1000	1090	1010	109	101	73-144	8	30	
Chlorobenzene	ug/L	ND	1000	1000	951	946	95	95	75-126	1	30	
Chloroethane	ug/L	ND	1000	1000	1110	1180	111	118	55-150	6	30	
Chloroform	ug/L	ND	1000	1000	975	990	98	99	66-143	1	30	
Chloromethane	ug/L	ND	1000	1000	1120	1070	112	107	42-150	5	30	
cis-1,2-Dichloroethene	ug/L	8850	1000	1000	9340	8910	50	6	65-143	5	30	M1
cis-1,3-Dichloropropene	ug/L	ND	1000	1000	1060	968	106	97	75-125	9	30	
Dibromochloromethane	ug/L	ND	1000	1000	974	856	97	86	75-125	13	30	
Dibromomethane	ug/L	ND	1000	1000	1050	981	105	98	66-133	7	30	
Dichlorodifluoromethane	ug/L	ND	1000	1000	1070	965	107	96	74-150	10	30	
Dichlorofluoromethane	ug/L	ND	1000	1000	1100	986	110	99	68-150	11	30	
Diethyl ether (Ethyl ether)	ug/L	ND	1000	1000	983	942	98	94	57-148	4	30	
Ethylbenzene	ug/L	ND	1000	1000	1000	958	100	96	67-149	5	30	
Hexachloro-1,3-butadiene	ug/L	ND	1000	1000	844	787	84	79	65-143	7	30	
Isopropylbenzene (Cumene)	ug/L	ND	1000	1000	960	944	96	94	64-150	2	30	
Methyl-tert-butyl ether	ug/L	ND	1000	1000	1020	983	102	98	71-130	3	30	
Methylene Chloride	ug/L	ND	1000	1000	1020	957	102	96	67-137	6	30	
n-Butylbenzene	ug/L	ND	1000	1000	1080	1030	108	103	70-138	5	30	
n-Propylbenzene	ug/L	ND	1000	1000	1080	1040	108	104	70-148	4	30	
Naphthalene	ug/L	ND	1000	1000	984	957	98	96	39-150	3	30	
p-Isopropyltoluene	ug/L	ND	1000	1000	998	952	100	95	74-138	5	30	
sec-Butylbenzene	ug/L	ND	1000	1000	1090	1000	109	100	64-150	9	30	
Styrene	ug/L	ND	1000	1000	1040	1000	104	100	75-132	4	30	
tert-Butylbenzene	ug/L	ND	1000	1000	984	950	98	95	75-138	4	30	
Tetrachloroethene	ug/L	ND	1000	1000	962	954	94	93	73-136	1	30	
Tetrahydrofuran	ug/L	ND	10000	10000	9840	9760	98	98	68-142	1	30	
Toluene	ug/L	ND	1000	1000	1020	952	101	95	69-139	7	30	
trans-1,2-Dichloroethene	ug/L	ND	1000	1000	1020	954	102	95	75-135	6	30	
trans-1,3-Dichloropropene	ug/L	ND	1000	1000	1040	967	104	97	66-136	7	30	
Trichloroethene	ug/L	41.1	1000	1000	966	939	93	90	74-135	3	30	
Trichlorofluoromethane	ug/L	ND	1000	1000	1130	1090	113	109	75-150	3	30	
Vinyl chloride	ug/L	54.5	1000	1000	1210	1130	115	107	69-150	7	30	
Xylene (Total)	ug/L	ND	3000	3000	2930	2870	98	96	70-147	2	30	
1,2-Dichloroethane-d4 (S)	%.						100	103	75-125			
4-Bromofluorobenzene (S)	%.						105	109	75-125			
Toluene-d8 (S)	%.						101	100	75-125			

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

QC Batch: 458054 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10377631003, 10377631004, 10377631005, 10377631006, 10377631007, 10377631013, 10377631014, 10377631015, 10377631016

METHOD BLANK: 2507147 Matrix: Water
Associated Lab Samples: 10377631003, 10377631004, 10377631005, 10377631006, 10377631007, 10377631013, 10377631014, 10377631015, 10377631016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1-Dichloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,1-Dichloroethene	ug/L	ND	1.0	02/01/17 01:43	
1,1-Dichloropropene	ug/L	ND	1.0	02/01/17 01:43	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
1,2,3-Trichloropropane	ug/L	ND	4.0	02/01/17 01:43	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	02/01/17 01:43	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	02/01/17 01:43	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/01/17 01:43	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
1,2-Dichloroethane	ug/L	ND	1.0	02/01/17 01:43	
1,2-Dichloropropane	ug/L	ND	4.0	02/01/17 01:43	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	02/01/17 01:43	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
1,3-Dichloropropane	ug/L	ND	1.0	02/01/17 01:43	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
2,2-Dichloropropane	ug/L	ND	4.0	02/01/17 01:43	
2-Butanone (MEK)	ug/L	ND	5.0	02/01/17 01:43	
2-Chlorotoluene	ug/L	ND	1.0	02/01/17 01:43	
4-Chlorotoluene	ug/L	ND	1.0	02/01/17 01:43	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/01/17 01:43	
Acetone	ug/L	ND	20.0	02/01/17 01:43	
Allyl chloride	ug/L	ND	4.0	02/01/17 01:43	
Benzene	ug/L	ND	1.0	02/01/17 01:43	
Bromobenzene	ug/L	ND	1.0	02/01/17 01:43	
Bromochloromethane	ug/L	ND	1.0	02/01/17 01:43	
Bromodichloromethane	ug/L	ND	1.0	02/01/17 01:43	
Bromoform	ug/L	ND	4.0	02/01/17 01:43	
Bromomethane	ug/L	ND	10.0	02/01/17 01:43	
Carbon tetrachloride	ug/L	ND	1.0	02/01/17 01:43	
Chlorobenzene	ug/L	ND	1.0	02/01/17 01:43	
Chloroethane	ug/L	ND	4.0	02/01/17 01:43	
Chloroform	ug/L	ND	1.0	02/01/17 01:43	
Chloromethane	ug/L	ND	4.0	02/01/17 01:43	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/01/17 01:43	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

METHOD BLANK: 2507147 Matrix: Water

Associated Lab Samples: 10377631003, 10377631004, 10377631005, 10377631006, 10377631007, 10377631013, 10377631014, 10377631015, 10377631016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
cis-1,3-Dichloropropene	ug/L	ND	4.0	02/01/17 01:43	
Dibromochloromethane	ug/L	ND	4.0	02/01/17 01:43	
Dibromomethane	ug/L	ND	4.0	02/01/17 01:43	
Dichlorodifluoromethane	ug/L	ND	1.0	02/01/17 01:43	
Dichlorofluoromethane	ug/L	ND	1.0	02/01/17 01:43	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	02/01/17 01:43	
Ethylbenzene	ug/L	ND	1.0	02/01/17 01:43	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	02/01/17 01:43	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	02/01/17 01:43	
Methyl-tert-butyl ether	ug/L	ND	1.0	02/01/17 01:43	
Methylene Chloride	ug/L	ND	4.0	02/01/17 01:43	
n-Butylbenzene	ug/L	ND	1.0	02/01/17 01:43	
n-Propylbenzene	ug/L	ND	1.0	02/01/17 01:43	
Naphthalene	ug/L	ND	4.0	02/01/17 01:43	
p-Isopropyltoluene	ug/L	ND	1.0	02/01/17 01:43	
sec-Butylbenzene	ug/L	ND	1.0	02/01/17 01:43	
Styrene	ug/L	ND	1.0	02/01/17 01:43	
tert-Butylbenzene	ug/L	ND	1.0	02/01/17 01:43	
Tetrachloroethene	ug/L	ND	1.0	02/01/17 01:43	
Tetrahydrofuran	ug/L	ND	10.0	02/01/17 01:43	
Toluene	ug/L	ND	1.0	02/01/17 01:43	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/01/17 01:43	
trans-1,3-Dichloropropene	ug/L	ND	4.0	02/01/17 01:43	
Trichloroethene	ug/L	ND	0.40	02/01/17 01:43	
Trichlorofluoromethane	ug/L	ND	1.0	02/01/17 01:43	
Vinyl chloride	ug/L	ND	0.20	02/01/17 01:43	
Xylene (Total)	ug/L	ND	3.0	02/01/17 01:43	
1,2-Dichloroethane-d4 (S)	%.	103	75-125	02/01/17 01:43	
4-Bromofluorobenzene (S)	%.	111	75-125	02/01/17 01:43	
Toluene-d8 (S)	%.	102	75-125	02/01/17 01:43	

LABORATORY CONTROL SAMPLE & LCSD: 2507148 2510294

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.9	22.0	99	110	75-125	10	20	
1,1,1-Trichloroethane	ug/L	20	19.0	20.8	95	104	73-125	9	20	
1,1,2,2-Tetrachloroethane	ug/L	20	22.0	22.0	110	110	75-128	0	20	
1,1,2-Trichloroethane	ug/L	20	20.4	21.3	102	107	75-129	4	20	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.8	20.5	99	102	69-125	3	20	
1,1-Dichloroethane	ug/L	20	19.6	19.9	98	100	75-131	2	20	
1,1-Dichloroethene	ug/L	20	21.1	22.2	106	111	72-125	5	20	
1,1-Dichloropropene	ug/L	20	20.7	21.2	103	106	74-125	3	20	
1,2,3-Trichlorobenzene	ug/L	20	18.7	18.7	94	94	68-127	0	20	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE & LCSD: 2507148 2510294

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,3-Trichloropropane	ug/L	20	21.5	22.2	108	111	75-125	3	20	
1,2,4-Trichlorobenzene	ug/L	20	17.6	18.0	88	90	70-125	2	20	
1,2,4-Trimethylbenzene	ug/L	20	21.0	21.9	105	109	75-130	4	20	
1,2-Dibromo-3-chloropropane	ug/L	50	49.2	51.9	98	104	74-125	6	20	
1,2-Dibromoethane (EDB)	ug/L	20	19.7	20.5	98	103	75-125	4	20	
1,2-Dichlorobenzene	ug/L	20	20.2	20.6	101	103	75-125	2	20	
1,2-Dichloroethane	ug/L	20	20.2	19.6	101	98	72-129	3	20	
1,2-Dichloropropane	ug/L	20	20.7	20.6	103	103	71-129	1	20	
1,3,5-Trimethylbenzene	ug/L	20	19.4	19.7	97	99	75-127	2	20	
1,3-Dichlorobenzene	ug/L	20	19.6	20.6	98	103	75-125	5	20	
1,3-Dichloropropane	ug/L	20	20.6	21.0	103	105	75-125	2	20	
1,4-Dichlorobenzene	ug/L	20	19.2	19.7	96	98	75-125	2	20	
2,2-Dichloropropane	ug/L	20	16.9	17.4	85	87	71-125	3	20	
2-Butanone (MEK)	ug/L	100	99.7	104	100	104	58-150	5	20	
2-Chlorotoluene	ug/L	20	21.3	21.4	106	107	75-125	1	20	
4-Chlorotoluene	ug/L	20	21.0	21.5	105	107	75-130	2	20	
4-Methyl-2-pentanone (MIBK)	ug/L	100	105	111	105	111	72-140	5	20	
Acetone	ug/L	100	95.7	93.9	96	94	69-137	2	20	
Allyl chloride	ug/L	20	19.7	20.0	99	100	68-132	2	20	
Benzene	ug/L	20	18.8	19.8	94	99	75-125	6	20	
Bromobenzene	ug/L	20	19.3	20.4	97	102	75-125	5	20	
Bromochloromethane	ug/L	20	19.9	21.0	100	105	75-125	5	20	
Bromodichloromethane	ug/L	20	20.9	21.1	104	105	69-128	1	20	
Bromoform	ug/L	20	20.1	19.7	100	98	75-125	2	20	
Bromomethane	ug/L	20	16.8	20.0	84	100	30-150	18	20	
Carbon tetrachloride	ug/L	20	20.8	21.7	104	109	74-125	4	20	
Chlorobenzene	ug/L	20	18.7	20.0	94	100	75-125	7	20	
Chloroethane	ug/L	20	24.1	22.7	120	114	60-150	6	20	
Chloroform	ug/L	20	20.5	20.5	102	103	75-126	0	20	
Chloromethane	ug/L	20	19.6	22.1	98	110	46-150	12	20	
cis-1,2-Dichloroethene	ug/L	20	18.7	20.6	93	103	75-126	10	20	
cis-1,3-Dichloropropene	ug/L	20	20.7	20.8	103	104	75-125	1	20	
Dibromochloromethane	ug/L	20	19.6	19.8	98	99	75-125	1	20	
Dibromomethane	ug/L	20	20.6	19.9	103	99	72-127	4	20	
Dichlorodifluoromethane	ug/L	20	17.7	19.2	88	96	58-135	8	20	
Dichlorofluoromethane	ug/L	20	22.8	22.0	114	110	68-149	4	20	
Diethyl ether (Ethyl ether)	ug/L	20	20.0	21.1	100	106	66-144	5	20	
Ethylbenzene	ug/L	20	19.8	20.8	99	104	75-125	5	20	
Hexachloro-1,3-butadiene	ug/L	20	15.7	14.7	78	74	73-125	6	20	
Isopropylbenzene (Cumene)	ug/L	20	19.0	20.0	95	100	69-140	5	20	
Methyl-tert-butyl ether	ug/L	20	21.0	21.3	105	107	75-126	1	20	
Methylene Chloride	ug/L	20	21.8	22.5	109	113	71-130	3	20	
n-Butylbenzene	ug/L	20	20.3	21.0	102	105	71-129	3	20	
n-Propylbenzene	ug/L	20	19.9	21.0	99	105	71-133	5	20	
Naphthalene	ug/L	20	19.3	19.7	96	98	59-137	2	20	
p-Isopropyltoluene	ug/L	20	18.7	19.2	93	96	74-127	3	20	
sec-Butylbenzene	ug/L	20	19.7	21.1	98	105	66-140	7	20	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE & LCSD: 2507148 2510294

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Styrene	ug/L	20	20.4	21.6	102	108	75-125	6	20	
tert-Butylbenzene	ug/L	20	18.7	19.9	93	99	73-129	6	20	
Tetrachloroethene	ug/L	20	17.3	18.5	86	92	75-125	7	20	
Tetrahydrofuran	ug/L	200	167	177	84	88	71-129	6	20	
Toluene	ug/L	20	19.3	20.8	96	104	75-125	7	20	
trans-1,2-Dichloroethene	ug/L	20	20.2	20.2	101	101	75-125	0	20	
trans-1,3-Dichloropropene	ug/L	20	20.6	20.9	103	104	75-125	1	20	
Trichloroethene	ug/L	20	18.6	19.3	93	96	75-125	4	20	
Trichlorofluoromethane	ug/L	20	20.5	21.7	103	109	74-128	6	20	
Vinyl chloride	ug/L	20	21.8	22.9	109	114	71-131	5	20	
Xylene (Total)	ug/L	60	57.9	60.4	97	101	75-125	4	20	
1,2-Dichloroethane-d4 (S)	%.				109	104	75-125			
4-Bromofluorobenzene (S)	%.				105	107	75-125			
Toluene-d8 (S)	%.				100	105	75-125			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2510292 2510293

Parameter	Units	10377514002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	20.6	18.6	103	93	75-125	10	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	20.7	19.6	104	98	71-144	5	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.1	19.1	106	96	75-131	10	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	20.4	18.0	102	90	75-125	13	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	22.5	22.5	113	113	75-150	0	30	
1,1-Dichloroethane	ug/L	ND	20	20	19.6	18.7	98	94	64-150	5	30	
1,1-Dichloroethene	ug/L	ND	20	20	22.8	21.3	114	107	68-150	7	30	
1,1-Dichloropropene	ug/L	ND	20	20	22.2	19.9	111	99	68-145	11	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	18.1	16.7	91	84	57-142	8	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	21.2	18.4	106	92	75-125	15	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	17.2	16.1	86	81	60-135	7	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	20.8	19.0	104	95	67-148	9	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	47.9	42.9	96	86	32-137	11	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	18.5	17.7	92	88	75-125	5	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.2	18.9	101	95	75-125	7	30	
1,2-Dichloroethane	ug/L	ND	20	20	18.1	17.4	91	87	62-138	4	30	
1,2-Dichloropropane	ug/L	ND	20	20	20.4	19.5	102	98	62-144	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	19.2	18.1	96	91	67-148	6	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	20.1	18.6	100	93	74-131	8	30	
1,3-Dichloropropane	ug/L	ND	20	20	20.0	18.3	100	92	75-127	9	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	19.3	17.5	97	87	74-126	10	30	
2,2-Dichloropropane	ug/L	ND	20	20	17.1	16.2	85	81	56-146	5	30	
2-Butanone (MEK)	ug/L	ND	100	100	93.2	85.2	93	85	47-150	9	30	
2-Chlorotoluene	ug/L	ND	20	20	21.6	19.6	108	98	74-137	9	30	
4-Chlorotoluene	ug/L	ND	20	20	21.4	19.8	107	99	72-138	7	30	

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2510292 2510293

Parameter	Units	10377514002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	101	93.1	101	93	60-147	8	30	
Acetone	ug/L	ND	100	100	92.9	89.5	93	90	61-150	4	30	
Allyl chloride	ug/L	ND	20	20	19.1	17.6	95	88	53-150	8	30	
Benzene	ug/L	ND	20	20	18.6	17.8	93	89	52-147	5	30	
Bromobenzene	ug/L	ND	20	20	19.7	17.9	99	90	75-129	10	30	
Bromochloromethane	ug/L	ND	20	20	19.7	18.9	99	95	72-128	4	30	
Bromodichloromethane	ug/L	ND	20	20	20.6	19.7	103	99	65-137	4	30	
Bromoform	ug/L	ND	20	20	17.6	16.4	88	82	59-133	8	30	
Bromomethane	ug/L	ND	20	20	20.3	22.0	102	110	30-150	8	30	
Carbon tetrachloride	ug/L	ND	20	20	23.1	21.9	115	109	73-144	5	30	
Chlorobenzene	ug/L	ND	20	20	18.8	17.7	94	88	75-126	6	30	
Chloroethane	ug/L	ND	20	20	23.6	23.0	118	115	55-150	3	30	
Chloroform	ug/L	ND	20	20	19.5	18.9	97	95	66-143	3	30	
Chloromethane	ug/L	ND	20	20	21.3	21.7	107	108	42-150	2	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	19.2	17.4	96	87	65-143	10	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	18.9	18.0	95	90	75-125	5	30	
Dibromochloromethane	ug/L	ND	20	20	19.4	17.5	97	87	75-125	10	30	
Dibromomethane	ug/L	ND	20	20	19.7	18.5	98	93	66-133	6	30	
Dichlorodifluoromethane	ug/L	ND	20	20	20.8	22.1	104	110	74-150	6	30	
Dichlorofluoromethane	ug/L	ND	20	20	21.9	22.2	110	111	68-150	1	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	19.9	18.0	100	90	57-148	10	30	
Ethylbenzene	ug/L	ND	20	20	19.9	18.9	100	94	67-149	6	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	15.7	12.6	79	63	65-143	22	30	M1
Isopropylbenzene (Cumene)	ug/L	ND	20	20	19.7	17.8	98	89	64-150	10	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	19.5	18.5	97	93	71-130	5	30	
Methylene Chloride	ug/L	ND	20	20	20.9	20.0	104	100	67-137	4	30	
n-Butylbenzene	ug/L	ND	20	20	21.7	19.6	108	98	70-138	10	30	
n-Propylbenzene	ug/L	ND	20	20	20.9	19.5	104	98	70-148	7	30	
Naphthalene	ug/L	ND	20	20	17.9	16.7	89	84	39-150	7	30	
p-Isopropyltoluene	ug/L	ND	20	20	18.9	17.9	95	90	74-138	5	30	
sec-Butylbenzene	ug/L	ND	20	20	21.4	19.6	107	98	64-150	9	30	
Styrene	ug/L	ND	20	20	19.8	18.6	99	93	75-132	6	30	
tert-Butylbenzene	ug/L	ND	20	20	19.6	18.5	98	92	75-138	6	30	
Tetrachloroethene	ug/L	ND	20	20	19.3	17.4	96	87	73-136	10	30	
Tetrahydrofuran	ug/L	ND	200	200	178	168	89	84	68-142	6	30	
Toluene	ug/L	ND	20	20	19.7	18.4	99	92	69-139	7	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	20.8	19.3	104	97	75-135	7	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.0	17.5	95	88	66-136	8	30	
Trichloroethene	ug/L	ND	20	20	18.7	18.4	94	92	74-135	2	30	
Trichlorofluoromethane	ug/L	ND	20	20	23.8	25.3	119	126	75-150	6	30	
Vinyl chloride	ug/L	ND	20	20	23.3	23.9	117	120	69-150	2	30	
Xylene (Total)	ug/L	ND	60	60	58.3	53.4	97	89	70-147	9	30	
1,2-Dichloroethane-d4 (S)	%.						103	102	75-125			
4-Bromofluorobenzene (S)	%.						107	105	75-125			
Toluene-d8 (S)	%.						101	101	75-125			

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

QC Batch: 458729 Analysis Method: EPA 8260B
QC Batch Method: EPA 8260B Analysis Description: 8260B MSV 465 W
Associated Lab Samples: 10377631008, 10377631009, 10377631010, 10377631011, 10377631012

METHOD BLANK: 2510290 Matrix: Water
Associated Lab Samples: 10377631008, 10377631009, 10377631010, 10377631011, 10377631012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1-Dichloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,1-Dichloroethene	ug/L	ND	1.0	02/07/17 16:49	
1,1-Dichloropropene	ug/L	ND	1.0	02/07/17 16:49	
1,2,3-Trichlorobenzene	ug/L	ND	4.0	02/07/17 16:49	
1,2,3-Trichloropropane	ug/L	ND	4.0	02/07/17 16:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	02/07/17 16:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	02/07/17 16:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	10.0	02/07/17 16:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	02/07/17 16:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	02/07/17 16:49	
1,2-Dichloroethane	ug/L	ND	1.0	02/07/17 16:49	
1,2-Dichloropropane	ug/L	ND	4.0	02/07/17 16:49	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	02/07/17 16:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	02/07/17 16:49	
1,3-Dichloropropane	ug/L	ND	1.0	02/07/17 16:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	02/07/17 16:49	
2,2-Dichloropropane	ug/L	ND	4.0	02/07/17 16:49	
2-Butanone (MEK)	ug/L	ND	5.0	02/07/17 16:49	
2-Chlorotoluene	ug/L	ND	1.0	02/07/17 16:49	
4-Chlorotoluene	ug/L	ND	1.0	02/07/17 16:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	02/07/17 16:49	
Acetone	ug/L	ND	20.0	02/07/17 16:49	
Allyl chloride	ug/L	ND	4.0	02/07/17 16:49	
Benzene	ug/L	ND	1.0	02/07/17 16:49	
Bromobenzene	ug/L	ND	1.0	02/07/17 16:49	
Bromochloromethane	ug/L	ND	1.0	02/07/17 16:49	
Bromodichloromethane	ug/L	ND	1.0	02/07/17 16:49	
Bromoform	ug/L	ND	4.0	02/07/17 16:49	
Bromomethane	ug/L	ND	4.0	02/07/17 16:49	
Carbon tetrachloride	ug/L	ND	1.0	02/07/17 16:49	
Chlorobenzene	ug/L	ND	1.0	02/07/17 16:49	
Chloroethane	ug/L	ND	1.0	02/07/17 16:49	
Chloroform	ug/L	ND	1.0	02/07/17 16:49	
Chloromethane	ug/L	ND	4.0	02/07/17 16:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	02/07/17 16:49	
cis-1,3-Dichloropropene	ug/L	ND	4.0	02/07/17 16:49	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

METHOD BLANK: 2510290 Matrix: Water
Associated Lab Samples: 10377631008, 10377631009, 10377631010, 10377631011, 10377631012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	4.0	02/07/17 16:49	
Dibromomethane	ug/L	ND	4.0	02/07/17 16:49	
Dichlorodifluoromethane	ug/L	ND	1.0	02/07/17 16:49	
Dichlorofluoromethane	ug/L	ND	1.0	02/07/17 16:49	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	02/07/17 16:49	
Ethylbenzene	ug/L	ND	1.0	02/07/17 16:49	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	02/07/17 16:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	02/07/17 16:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	02/07/17 16:49	
Methylene Chloride	ug/L	ND	4.0	02/07/17 16:49	
n-Butylbenzene	ug/L	ND	1.0	02/07/17 16:49	
n-Propylbenzene	ug/L	ND	1.0	02/07/17 16:49	
Naphthalene	ug/L	ND	4.0	02/07/17 16:49	
p-Isopropyltoluene	ug/L	ND	1.0	02/07/17 16:49	
sec-Butylbenzene	ug/L	ND	1.0	02/07/17 16:49	
Styrene	ug/L	ND	1.0	02/07/17 16:49	
tert-Butylbenzene	ug/L	ND	1.0	02/07/17 16:49	
Tetrachloroethene	ug/L	ND	1.0	02/07/17 16:49	
Tetrahydrofuran	ug/L	ND	10.0	02/07/17 16:49	
Toluene	ug/L	ND	1.0	02/07/17 16:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	02/07/17 16:49	
trans-1,3-Dichloropropene	ug/L	ND	4.0	02/07/17 16:49	
Trichloroethene	ug/L	ND	0.40	02/07/17 16:49	
Trichlorofluoromethane	ug/L	ND	1.0	02/07/17 16:49	
Vinyl chloride	ug/L	ND	0.20	02/07/17 16:49	
Xylene (Total)	ug/L	ND	3.0	02/07/17 16:49	
1,2-Dichloroethane-d4 (S)	%.	100	75-125	02/07/17 16:49	
4-Bromofluorobenzene (S)	%.	101	75-125	02/07/17 16:49	
Toluene-d8 (S)	%.	99	75-125	02/07/17 16:49	

LABORATORY CONTROL SAMPLE: 2510291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	75-125	
1,1,1-Trichloroethane	ug/L	20	21.8	109	73-125	
1,1,2,2-Tetrachloroethane	ug/L	20	24.4	122	75-128	
1,1,2-Trichloroethane	ug/L	20	21.7	108	75-129	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.6	98	69-125	
1,1-Dichloroethane	ug/L	20	21.6	108	75-131	
1,1-Dichloroethene	ug/L	20	19.9	99	72-125	
1,1-Dichloropropene	ug/L	20	21.5	107	74-125	
1,2,3-Trichlorobenzene	ug/L	20	19.9	99	68-127	
1,2,3-Trichloropropane	ug/L	20	22.3	112	75-125	
1,2,4-Trichlorobenzene	ug/L	20	20.7	103	70-125	

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REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE: 2510291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	23.0	115	75-130	
1,2-Dibromo-3-chloropropane	ug/L	50	53.3	107	74-125	
1,2-Dibromoethane (EDB)	ug/L	20	21.4	107	75-125	
1,2-Dichlorobenzene	ug/L	20	22.0	110	75-125	
1,2-Dichloroethane	ug/L	20	19.7	98	72-129	
1,2-Dichloropropane	ug/L	20	21.7	109	71-129	
1,3,5-Trimethylbenzene	ug/L	20	22.3	111	75-127	
1,3-Dichlorobenzene	ug/L	20	22.6	113	75-125	
1,3-Dichloropropane	ug/L	20	22.9	115	75-125	
1,4-Dichlorobenzene	ug/L	20	22.7	113	75-125	
2,2-Dichloropropane	ug/L	20	19.5	98	71-125	
2-Butanone (MEK)	ug/L	100	108	108	58-150	
2-Chlorotoluene	ug/L	20	21.8	109	75-125	
4-Chlorotoluene	ug/L	20	22.8	114	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	116	116	72-140	
Acetone	ug/L	100	100	100	69-137	
Allyl chloride	ug/L	20	19.4	97	68-132	
Benzene	ug/L	20	20.9	104	75-125	
Bromobenzene	ug/L	20	20.8	104	75-125	
Bromochloromethane	ug/L	20	21.6	108	75-125	
Bromodichloromethane	ug/L	20	21.8	109	69-128	
Bromoform	ug/L	20	20.4	102	75-125	
Bromomethane	ug/L	20	25.3	127	30-150	
Carbon tetrachloride	ug/L	20	20.8	104	74-125	
Chlorobenzene	ug/L	20	21.0	105	75-125	
Chloroethane	ug/L	20	16.5	83	60-150	
Chloroform	ug/L	20	20.5	102	75-126	
Chloromethane	ug/L	20	17.0	85	46-150	
cis-1,2-Dichloroethene	ug/L	20	19.8	99	75-126	
cis-1,3-Dichloropropene	ug/L	20	22.8	114	75-125	
Dibromochloromethane	ug/L	20	21.2	106	75-125	
Dibromomethane	ug/L	20	21.3	106	72-127	
Dichlorodifluoromethane	ug/L	20	16.2	81	58-135	
Dichlorofluoromethane	ug/L	20	19.0	95	68-149	
Diethyl ether (Ethyl ether)	ug/L	20	21.6	108	66-144	
Ethylbenzene	ug/L	20	21.3	107	75-125	
Hexachloro-1,3-butadiene	ug/L	20	19.7	99	73-125	
Isopropylbenzene (Cumene)	ug/L	20	21.2	106	69-140	
Methyl-tert-butyl ether	ug/L	20	21.7	108	75-126	
Methylene Chloride	ug/L	20	20.5	103	71-130	
n-Butylbenzene	ug/L	20	21.4	107	71-129	
n-Propylbenzene	ug/L	20	22.6	113	71-133	
Naphthalene	ug/L	20	21.3	107	59-137	
p-Isopropyltoluene	ug/L	20	19.8	99	74-127	
sec-Butylbenzene	ug/L	20	22.4	112	66-140	
Styrene	ug/L	20	22.0	110	75-125	
tert-Butylbenzene	ug/L	20	20.4	102	73-129	

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

LABORATORY CONTROL SAMPLE: 2510291

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	19.3	97	75-125	
Tetrahydrofuran	ug/L	200	205	103	71-129	
Toluene	ug/L	20	21.3	106	75-125	
trans-1,2-Dichloroethene	ug/L	20	21.1	106	75-125	
trans-1,3-Dichloropropene	ug/L	20	21.6	108	75-125	
Trichloroethene	ug/L	20	21.0	105	75-125	
Trichlorofluoromethane	ug/L	20	19.1	95	74-128	
Vinyl chloride	ug/L	20	20.3	101	71-131	
Xylene (Total)	ug/L	60	62.9	105	75-125	
1,2-Dichloroethane-d4 (S)	%.			99	75-125	
4-Bromofluorobenzene (S)	%.			101	75-125	
Toluene-d8 (S)	%.			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2512664 2512665

Parameter	Units	10377999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20	19.9	20.7	100	103	75-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	20	20	23.0	22.3	115	112	71-144	3	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20	21.9	20.9	110	104	75-131	5	30	
1,1,2-Trichloroethane	ug/L	ND	20	20	21.3	22.2	102	106	75-125	4	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	20	23.6	22.5	118	112	75-150	5	30	
1,1-Dichloroethane	ug/L	ND	20	20	22.2	21.8	111	109	64-150	2	30	
1,1-Dichloroethene	ug/L	ND	20	20	22.1	21.6	110	108	68-150	2	30	
1,1-Dichloropropene	ug/L	ND	20	20	22.9	22.2	114	111	68-145	3	30	
1,2,3-Trichlorobenzene	ug/L	ND	20	20	16.0	16.0	80	80	57-142	0	30	
1,2,3-Trichloropropane	ug/L	ND	20	20	21.0	19.6	105	98	75-125	7	30	
1,2,4-Trichlorobenzene	ug/L	ND	20	20	15.4	16.1	77	81	60-135	5	30	
1,2,4-Trimethylbenzene	ug/L	ND	20	20	21.2	20.4	106	102	67-148	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	42.0	43.0	84	86	32-137	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20	20.7	20.7	103	103	75-125	0	30	
1,2-Dichlorobenzene	ug/L	ND	20	20	20.1	19.1	100	96	75-125	5	30	
1,2-Dichloroethane	ug/L	ND	20	20	18.5	19.0	93	95	62-138	2	30	
1,2-Dichloropropane	ug/L	ND	20	20	21.3	21.3	106	107	62-144	0	30	
1,3,5-Trimethylbenzene	ug/L	ND	20	20	20.7	19.8	103	99	67-148	4	30	
1,3-Dichlorobenzene	ug/L	ND	20	20	21.1	19.9	106	100	74-131	6	30	
1,3-Dichloropropane	ug/L	ND	20	20	21.9	21.2	109	106	75-127	3	30	
1,4-Dichlorobenzene	ug/L	ND	20	20	20.9	21.3	104	107	74-126	2	30	
2,2-Dichloropropane	ug/L	ND	20	20	21.1	20.6	105	103	56-146	2	30	
2-Butanone (MEK)	ug/L	ND	100	100	92.7	91.5	93	92	47-150	1	30	
2-Chlorotoluene	ug/L	ND	20	20	20.8	20.6	104	103	74-137	1	30	
4-Chlorotoluene	ug/L	ND	20	20	22.5	21.9	112	109	72-138	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	100	107	106	107	106	60-147	2	30	
Acetone	ug/L	ND	100	100	94.5	87.6	95	88	61-150	8	30	

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Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10377631

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2512664 2512665

Parameter	Units	10377999001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Allyl chloride	ug/L	ND	20	20	18.9	19.2	94	96	53-150	2	30	
Benzene	ug/L	ND	20	20	20.8	20.5	104	102	52-147	2	30	
Bromobenzene	ug/L	ND	20	20	19.8	20.5	99	103	75-129	3	30	
Bromochloromethane	ug/L	ND	20	20	20.4	20.5	102	102	72-128	0	30	
Bromodichloromethane	ug/L	ND	20	20	19.8	20.3	99	102	65-137	3	30	
Bromoform	ug/L	ND	20	20	17.4	17.5	87	88	59-133	1	30	
Bromomethane	ug/L	ND	20	20	20.9	25.8	104	129	30-150	21	30	
Carbon tetrachloride	ug/L	ND	20	20	22.1	22.2	110	111	73-144	1	30	
Chlorobenzene	ug/L	ND	20	20	21.8	20.9	109	105	75-126	4	30	
Chloroethane	ug/L	ND	20	20	21.2	20.4	106	102	55-150	4	30	
Chloroform	ug/L	ND	20	20	21.4	20.9	107	105	66-143	2	30	
Chloromethane	ug/L	ND	20	20	18.9	20.1	95	101	42-150	6	30	
cis-1,2-Dichloroethene	ug/L	ND	20	20	20.4	20.5	102	102	65-143	0	30	
cis-1,3-Dichloropropene	ug/L	ND	20	20	20.1	21.3	100	107	75-125	6	30	
Dibromochloromethane	ug/L	ND	20	20	18.6	18.3	93	91	75-125	2	30	
Dibromomethane	ug/L	ND	20	20	19.2	20.8	96	104	66-133	8	30	
Dichlorodifluoromethane	ug/L	ND	20	20	21.8	22.8	109	114	74-150	4	30	
Dichlorofluoromethane	ug/L	ND	20	20	20.4	21.1	102	105	68-150	3	30	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20	21.9	20.8	109	104	57-148	5	30	
Ethylbenzene	ug/L	ND	20	20	21.5	21.5	107	106	67-149	0	30	
Hexachloro-1,3-butadiene	ug/L	ND	20	20	18.2	16.4	91	82	65-143	10	30	
Isopropylbenzene (Cumene)	ug/L	ND	20	20	22.1	21.3	110	107	64-150	3	30	
Methyl-tert-butyl ether	ug/L	ND	20	20	22.0	21.3	106	102	71-130	3	30	
Methylene Chloride	ug/L	ND	20	20	19.6	19.8	98	99	67-137	1	30	
n-Butylbenzene	ug/L	ND	20	20	20.7	19.5	104	98	70-138	6	30	
n-Propylbenzene	ug/L	ND	20	20	22.8	21.9	114	110	70-148	4	30	
Naphthalene	ug/L	ND	20	20	16.9	17.4	85	87	39-150	3	30	
p-Isopropyltoluene	ug/L	ND	20	20	20.8	19.8	103	99	74-138	5	30	
sec-Butylbenzene	ug/L	ND	20	20	22.2	21.3	110	106	64-150	4	30	
Styrene	ug/L	ND	20	20	20.5	19.4	102	97	75-132	5	30	
tert-Butylbenzene	ug/L	ND	20	20	20.9	19.8	105	99	75-138	5	30	
Tetrachloroethene	ug/L	ND	20	20	20.4	20.3	102	102	73-136	0	30	
Tetrahydrofuran	ug/L	ND	200	200	203	198	102	99	68-142	3	30	
Toluene	ug/L	ND	20	20	22.2	20.9	110	104	69-139	6	30	
trans-1,2-Dichloroethene	ug/L	ND	20	20	21.5	21.4	107	107	75-135	0	30	
trans-1,3-Dichloropropene	ug/L	ND	20	20	19.4	19.9	97	100	66-136	3	30	
Trichloroethene	ug/L	ND	20	20	21.3	21.7	107	109	74-135	2	30	
Trichlorofluoromethane	ug/L	ND	20	20	21.6	23.2	108	116	75-150	7	30	
Vinyl chloride	ug/L	ND	20	20	23.4	24.6	117	123	69-150	5	30	
Xylene (Total)	ug/L	ND	60	60	63.5	61.1	106	102	70-147	4	30	
1,2-Dichloroethane-d4 (S)	%.						95	99	75-125			
4-Bromofluorobenzene (S)	%.						103	103	75-125			
Toluene-d8 (S)	%.						98	100	75-125			

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REPORT OF LABORATORY ANALYSIS

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALIFIERS

Project: City of Rochester
Pace Project No.: 10377631

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 10377631

[1] Samples were received outside of the recommended temperature range of 0-6 degrees Celsius. The samples were received from the field on ice.

ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

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

R1 RPD value was outside control limits.

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1700 Elm Street - Suite 200
Minneapolis, MN 55414
(612)607-1700

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: City of Rochester
Pace Project No.: 10377631

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10377631001	**MW-14**	EPA 8260B	457999		
10377631002	**MW-15**	EPA 8260B	457999		
10377631003	**MW-16**	EPA 8260B	458054		
10377631004	**MW-17**	EPA 8260B	458054		
10377631005	**MW-18**	EPA 8260B	458054		
10377631006	**MW-19**	EPA 8260B	458054		
10377631007	**MW-20**	EPA 8260B	458054		
10377631008	**DPE-1**	EPA 8260B	458729		
10377631009	**DPE-2**	EPA 8260B	458729		
10377631010	**DPE-3**	EPA 8260B	458729		
10377631011	**DPE-4**	EPA 8260B	458729		
10377631012	**DPE-5**	EPA 8260B	458729		
10377631013	**DPE-6**	EPA 8260B	458054		
10377631014	**DPE-7**	EPA 8260B	458054		
10377631015	**DPE-8**	EPA 8260B	458054		
10377631016	**Trip Blank**	EPA 8260B	458054		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

10377631

Page: 1 of 2

2113166

Section A Required Client Information:

Company:	Landmark Environmental
Address:	
Email To:	aKuck@landmarkenv.com
Phone:	Fax:
Requested Due Date/TAT:	Normal

Section B Required Project Information:

Report To:	aKuck@landmarkenv.com
Copy To:	
Purchase Order No.:	
Project Name:	City of Rochester
Project Number:	

Section C Invoice Information:

Attention:	Sharon Paradise
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	35807 #2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE)

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	MW-14	WT	G	1/30/17	12:30				3									Y	✓		001
2	MW-15				1:25				3										✓		002
3	MW-16				11:30				3										✓		003
4	MW-17				1:00				3										✓		004
5	MW-18				10:05				3										✓		005
6	MW-19				12:50				3										✓		006
7	MW-20				1:15				3										✓		007
8	DPE-1				1:45				3										✓		008
9	DPE-2				4:05				3										✓		009
10	DPE-3				2:00				3										✓		010
11	DPE-4				2:50				3										✓		011
12	DPE-5				4:25				3										✓		012

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
samples effervescing when sampled		1/30/17	18:58	/PACE	1-30-17	18:58	10.5	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Kuck

SIGNATURE of SAMPLER: _____ DATE Signed (MM/DD/YY): 01/30/17

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical®
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 2 of 2

2113167

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: aKnuck@landmarkenv.com	Attention: Sharon Paradise
Address:	Copy To:	Company Name:
		Address:
Email To: aknuck@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: City of Rochester	Pace Project Manager:
Requested Due Date/TAT: Normal	Project Number:	Pace Profile #: 35807 #2

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: VOCs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	DPE-6	WT	G	1/30/17	3:45				3									✓		013
2	DPE-7	WT	G	↓	4:20				3									✓		014
3	DPE-8	WT	G	↓	4:35				3									✓		015
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Samples effervescing when sampled		1/30/17	18:58	PACE	1-30-17	18:58	10.3	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Aaron Knuck

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 01/30/17

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 19Dec2016 Page 1 of 2
	Document No.: **F-MN-L-213-rev.20**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: LandMark Environmental

Project #: WO#: 10377631

10377631

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

Tracking Number: _____

Custody Seal on Cooler/Box Present? ☐ Yes ☑ No **Seals Intact?** ☐ Yes ☑ No

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other:_____ **Temp Blank?** ☑ Yes ☐ No

Thermometer Used: ☑ 151401163 ☐ 151401164

Type of Ice: ☑ Wet ☐ Blue ☐ None ☑ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 10.4 **Cooler Temp Corrected (°C):** 10.3

Biological Tissue Frozen? ☐ Yes ☐ No ☑ N/A

Temp should be above freezing to 6°C **Correction Factor:** -0.1 **Date and Initials of Person Examining Contents:** 1-30-17

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

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA. MS, NC, NM, NY, OK, OR, SC, TN, TX or VA (check maps)? ☐ Yes ☐ No

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

If Yes to either question, fill out a Regulated Soil Checklist (F-MN-Q-338) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present?	☑ Yes	☐ No		1.
Chain of Custody Filled Out?	☑ Yes	☐ No		2.
Chain of Custody Relinquished?	☑ Yes	☐ No		3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No		6.
Rush Turn Around Time Requested?	☐ Yes	☑ No		7.
Sufficient Volume?	☑ Yes	☐ No		8.
Correct Containers Used?	☑ Yes	☐ No		9.
-Pace Containers Used?	☑ Yes	☐ No		
Containers Intact?	☑ Yes	☐ No		10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☑ Yes	☐ No		12.
All containers needing acid/base preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH Positive for Res. Chlorine? Y N
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, <2pH, NaOH >9 Sulfide, NaOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	Sample #
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxin.	☑ Yes	☐ No	☐ N/A	Initial when completed:_____ Lot # of added preservative:_____
Headspace in VOA Vials (>6mm)?	☐ Yes	☑ No	☐ N/A	14.
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 108215				

CLIENT NOTIFICATION/RESOLUTION **Field Data Required?** ☐ Yes ☐ No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: Chris Dunn **Date:** 1/31/17

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

LEGEND
Technical Services, Inc.
www.legend-group.com

88 Empire Drive
St Paul, MN 55103
Tel: 651-642-1150
Fax: 651-642-1239

March 16, 2017

Mr. Aaron Kuck
Landmark Environmental
2042 West 98th Street
Bloomington, MN 55431

Work Order Number: 1700927
RE: TO-15

Enclosed are the results of analyses for samples received by the laboratory on 03/01/17. If you have any questions concerning this report, please feel free to contact me.

Samples will not be retained by LEGEND once the analyses are completed.

All internal quality assurance met the method requirements unless otherwise noted in the case narrative. Additionally, all samples were received in acceptable condition unless otherwise noted.

For the tentatively identified compounds (TICs), a computer generated library search was done comparing the spectra of the unknown compounds with spectra contained in the NIST (NBS) and Wiley reference libraries. A visual comparison was made of each unknown compound and the best library match. Quantitation was based on the response of the nearest internal standard. Unidentified peaks were quantified using 100 as the molecular weight. Both the identification of specific compounds and the quantities given should be considered approximations.

Chromatograms are included for samples containing detections.

MDH Accreditation #027-123-295

Prepared by,
LEGEND TECHNICAL SERVICES, INC

Bach Pham
Client Manager II
bpham@legend-group.com

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

LEGEND Technical Services, Inc.
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88 Empire Drive
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Tel: 651-642-1150
Fax: 651-642-1239

Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
LSG-7	1700927-01	Air	02/28/17 15:56	03/01/17 15:10
LSG-8	1700927-02	Air	02/28/17 14:40	03/01/17 15:10
LSG-9	1700927-03	Air	02/28/17 13:13	03/01/17 15:10
LSG-10	1700927-04	Air	02/28/17 15:19	03/01/17 15:10
SP-1 (SSL)	1700927-05	Air	02/28/17 14:18	03/01/17 15:10
SP-2 (ES)	1700927-06	Air	02/28/17 16:40	03/01/17 15:10

Case Narrative:
Per the client's instructions, TICs were not included in this report.

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Landmark Environmental	Project: TO-15	
2042 West 98th Street	Project Number: CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager: Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

LSG-7 (1700927-01) Air Received:03/01/17 15:10 Sampled:02/28/17 15:56

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	<2.0	2.0	0.10	ug/m³	1	"	"	"	"	
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	"	"	"	"	
1,2,4-Trimethylbenzene (95-63-6)	**1.5**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	"	"	"	"	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	<1.0	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**2.3**	1.5	0.16	ug/m³	1	"	"	"	"	
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	"	"	"	"	
Acetone (67-64-1)	**32**	1.2	0.34	ug/m³	1	"	"	"	"	
Benzene (71-43-2)	**1.9**	0.64	0.046	ug/m³	1	"	"	"	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	"	"	"	"	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	<1.0	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**3.7**	2.0	0.13	ug/m³	1	"	"	"	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	"	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	"	"	"	"	
Dichlorodifluoromethane (75-71-8)	<2.5	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	

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Fax: 651-642-1239

Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-7 (1700927-01) Air Received:03/01/17 15:10 Sampled:02/28/17 15:56										
Ethanol (64-17-5)	**540**	28	3.9	ug/m³	30	B7C1013	03/08/17	03/09/17	TO-15	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/08/17	"	
Ethylbenzene (100-41-4)	**1.1**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**280**	36	3.0	ug/m³	30	"	"	03/09/17	"	
m,p-Xylene (179601-23-1)	**3.3**	1.7	0.21	ug/m³	1	"	"	03/08/17	"	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	<2.0	2.0	0.18	ug/m³	1	"	"	"	"	
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	"	"	"	"	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	<1.8	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**1.0**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	<2.1	2.1	0.092	ug/m³	1	"	"	"	"	
Tetrachloroethene (127-18-4)	<3.4	3.4	0.10	ug/m³	1	"	"	"	"	
Tetrahydrofuran (109-99-9)	<1.5	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**14**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	**3.4**	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	<3.8	3.8	0.17	ug/m³	1	"	"	"	"	
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	"	"	"	"	
Vinyl chloride (75-01-4)	<0.51	0.51	0.12	ug/m³	1	"	"	"	"	
LSG-8 (1700927-02) Air Received:03/01/17 15:10 Sampled:02/28/17 14:40										
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	<2.0	2.0	0.10	ug/m³	1	"	"	"	"	
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	"	"	"	"	
1,2,4-Trimethylbenzene (95-63-6)	**1.5**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-8 (1700927-02) Air Received:03/01/17 15:10 Sampled:02/28/17 14:40										
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	<1.0	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**3.0**	1.5	0.16	ug/m³	1	"	"	"	"	
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	"	"	"	"	
Acetone (67-64-1)	**29**	1.2	0.34	ug/m³	1	"	"	"	"	
Benzene (71-43-2)	<0.64	0.64	0.046	ug/m³	1	"	"	"	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	"	"	"	"	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	<1.0	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**2.5**	2.0	0.13	ug/m³	1	"	"	"	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	"	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	"	"	"	"	
Dichlorodifluoromethane (75-71-8)	<2.5	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	
Ethanol (64-17-5)	**380**	28	3.9	ug/m³	30	"	"	03/09/17	"	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/08/17	"	
Ethylbenzene (100-41-4)	**1.1**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**290**	36	3.0	ug/m³	30	"	"	03/09/17	"	
m,p-Xylene (179601-23-1)	**3.8**	1.7	0.21	ug/m³	1	"	"	03/08/17	"	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	<2.0	2.0	0.18	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-8 (1700927-02) Air Received:03/01/17 15:10 Sampled:02/28/17 14:40										
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	<1.8	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**1.2**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	<2.1	2.1	0.092	ug/m³	1	"	"	"	"	
Tetrachloroethene (127-18-4)	<3.4	3.4	0.10	ug/m³	1	"	"	"	"	
Tetrahydrofuran (109-99-9)	**1.6**	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**9.8**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	<1.1	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	<3.8	3.8	0.17	ug/m³	1	"	"	"	"	
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	"	"	"	"	
Vinyl chloride (75-01-4)	<0.51	0.51	0.12	ug/m³	1	"	"	"	"	
LSG-9 (1700927-03) Air Received:03/01/17 15:10 Sampled:02/28/17 13:13										
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	<2.0	2.0	0.10	ug/m³	1	"	"	"	"	
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	"	"	"	"	
1,2,4-Trimethylbenzene (95-63-6)	**2.0**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	"	"	"	"	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	<1.0	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**3.0**	1.5	0.16	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-9 (1700927-03) Air Received:03/01/17 15:10 Sampled:02/28/17 13:13										
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
Acetone (67-64-1)	**34**	1.2	0.34	ug/m³	1	"	"	"	"	
Benzene (71-43-2)	**1.0**	0.64	0.046	ug/m³	1	"	"	"	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	"	"	"	"	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	**1.1**	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**13**	2.0	0.13	ug/m³	1	"	"	"	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	"	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	"	"	"	"	
Dichlorodifluoromethane (75-71-8)	<2.5	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	
Ethanol (64-17-5)	**540**	28	3.9	ug/m³	30	"	"	03/09/17	"	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/08/17	"	
Ethylbenzene (100-41-4)	**2.8**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**500**	36	3.0	ug/m³	30	"	"	03/09/17	"	
m,p-Xylene (179601-23-1)	**9.0**	1.7	0.21	ug/m³	1	"	"	03/08/17	"	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	<2.0	2.0	0.18	ug/m³	1	"	"	"	"	
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	"	"	"	"	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	<1.8	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**2.7**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	<2.1	2.1	0.092	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-9 (1700927-03) Air Received:03/01/17 15:10 Sampled:02/28/17 13:13										
Tetrachloroethene (127-18-4)	**4.3**	3.4	0.10	ug/m³	1	B7C1013	03/08/17	03/08/17	TO-15	
Tetrahydrofuran (109-99-9)	**1.9**	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**30**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	<1.1	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	**22**	3.8	0.17	ug/m³	1	"	"	"	"	
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	"	"	"	"	
Vinyl chloride (75-01-4)	<0.51	0.51	0.12	ug/m³	1	"	"	"	"	
LSG-10 (1700927-04) Air Received:03/01/17 15:10 Sampled:02/28/17 15:19										
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1013	03/08/17	03/09/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	<2.0	2.0	0.10	ug/m³	1	"	"	"	"	
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	"	"	"	"	
1,2,4-Trimethylbenzene (95-63-6)	**2.0**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	"	"	"	"	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	<1.0	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**3.4**	1.5	0.16	ug/m³	1	"	"	"	"	
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	"	"	"	"	
Acetone (67-64-1)	**45**	1.2	0.34	ug/m³	1	"	"	"	"	
Benzene (71-43-2)	<0.64	0.64	0.046	ug/m³	1	"	"	"	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-10 (1700927-04) Air Received:03/01/17 15:10 Sampled:02/28/17 15:19										
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	B7C1013	03/08/17	03/09/17	TO-15	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	<1.0	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**6.0**	2.0	0.13	ug/m³	1	"	"	"	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	"	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	"	"	"	"	
Dichlorodifluoromethane (75-71-8)	**2.7**	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	
Ethanol (64-17-5)	**630**	28	3.9	ug/m³	30	"	"	03/09/17	"	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/09/17	"	
Ethylbenzene (100-41-4)	**1.7**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**390**	36	3.0	ug/m³	30	"	"	03/09/17	"	
m,p-Xylene (179601-23-1)	**5.3**	1.7	0.21	ug/m³	1	"	"	03/09/17	"	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	<2.0	2.0	0.18	ug/m³	1	"	"	"	"	
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	"	"	"	"	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	**2.3**	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**1.8**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	<2.1	2.1	0.092	ug/m³	1	"	"	"	"	
Tetrachloroethene (127-18-4)	**5.6**	3.4	0.10	ug/m³	1	"	"	"	"	
Tetrahydrofuran (109-99-9)	**1.8**	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**51**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	<1.1	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	**7.5**	3.8	0.17	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project: TO-15	
2042 West 98th Street	Project Number: CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager: Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
LSG-10 (1700927-04) Air Received:03/01/17 15:10 Sampled:02/28/17 15:19										
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	B7C1013	03/08/17	03/09/17	TO-15	
Vinyl chloride (75-01-4)	<0.51	0.51	0.12	ug/m³	1	"	"	"	"	
SP-1 (SSL) (1700927-05) Air Received:03/01/17 15:10 Sampled:02/28/17 14:18										
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1013	03/08/17	03/09/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	<2.0	2.0	0.10	ug/m³	1	"	"	"	"	
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	"	"	"	"	
1,2,4-Trimethylbenzene (95-63-6)	**4.4**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	"	"	"	"	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	**1.4**	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**5.8**	1.5	0.16	ug/m³	1	"	"	"	"	
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	"	"	"	"	
Acetone (67-64-1)	**30**	1.2	0.34	ug/m³	1	"	"	"	"	
Benzene (71-43-2)	**1.1**	0.64	0.046	ug/m³	1	"	"	"	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	"	"	"	"	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	<1.0	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**13**	2.0	0.13	ug/m³	1	"	"	"	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	"	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-1 (SSL) (1700927-05) Air Received:03/01/17 15:10 Sampled:02/28/17 14:18										
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	B7C1013	03/08/17	03/09/17	TO-15	
Dichlorodifluoromethane (75-71-8)	<2.5	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	
Ethanol (64-17-5)	**610**	28	3.9	ug/m³	30	"	"	03/09/17	"	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/09/17	"	
Ethylbenzene (100-41-4)	**3.5**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**400**	36	3.0	ug/m³	30	"	"	03/09/17	"	
m,p-Xylene (179601-23-1)	**9.9**	1.7	0.21	ug/m³	1	"	"	03/09/17	"	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	**5.3**	2.0	0.18	ug/m³	1	"	"	"	"	
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	"	"	"	"	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	**2.1**	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**3.1**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	**3.9**	2.1	0.092	ug/m³	1	"	"	"	"	
Tetrachloroethene (127-18-4)	**9.9**	3.4	0.10	ug/m³	1	"	"	"	"	
Tetrahydrofuran (109-99-9)	**3.4**	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**22**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	**1.3**	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	**13**	3.8	0.17	ug/m³	1	"	"	"	"	
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	"	"	"	"	
Vinyl chloride (75-01-4)	<0.51	0.51	0.12	ug/m³	1	"	"	"	"	
SP-2 (ES) (1700927-06) Air Received:03/01/17 15:10 Sampled:02/28/17 16:40										
1,1,1-Trichloroethane (71-55-6)	<2.7	2.7	0.13	ug/m³	1	B7C1014	03/10/17	03/10/17	TO-15	
1,1,2,2-Tetrachloroethane (79-34-5)	<3.4	3.4	0.17	ug/m³	1	"	"	"	"	
1,1,2-Trichloroethane (79-00-5)	<2.7	2.7	0.15	ug/m³	1	"	"	"	"	
1,1-Dichloroethane (75-34-3)	<2.0	2.0	0.095	ug/m³	1	"	"	"	"	
1,1-Dichloroethene (75-35-4)	**7.6**	2.0	0.10	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-2 (ES) (1700927-06) Air Received:03/01/17 15:10 Sampled:02/28/17 16:40										
1,2,4-Trichlorobenzene (120-82-1)	<3.7	3.7	0.54	ug/m³	1	B7C1014	03/10/17	03/10/17	TO-15	
1,2,4-Trimethylbenzene (95-63-6)	**3.5**	1.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dibromoethane (106-93-4)	<3.8	3.8	0.16	ug/m³	1	"	"	"	"	
1,2-Dichlorobenzene (95-50-1)	<3.0	3.0	0.22	ug/m³	1	"	"	"	"	
1,2-Dichloroethane (107-06-2)	<2.0	2.0	0.17	ug/m³	1	"	"	"	"	
1,2-Dichloropropane (78-87-5)	<2.3	2.3	0.16	ug/m³	1	"	"	"	"	
1,3,5-Trimethylbenzene (108-67-8)	**1.1**	1.0	0.19	ug/m³	1	"	"	"	"	
1,3-Butadiene (106-99-0)	<1.1	1.1	0.32	ug/m³	1	"	"	"	"	
1,3-Dichlorobenzene (541-73-1)	<3.0	3.0	0.16	ug/m³	1	"	"	"	"	
1,4-Dichlorobenzene (106-46-7)	<3.0	3.0	0.14	ug/m³	1	"	"	"	"	
2-Butanone (78-93-3)	**9.1**	1.5	0.16	ug/m³	1	"	"	"	"	
4-Ethyltoluene (622-96-8)	<2.5	2.5	0.11	ug/m³	1	"	"	"	"	
Acetone (67-64-1)	**97**	11	3.1	ug/m³	9	"	"	03/11/17	"	
Benzene (71-43-2)	**1.1**	0.64	0.046	ug/m³	1	"	"	03/10/17	"	
Benzyl chloride (100-44-7)	<2.6	2.6	0.13	ug/m³	1	"	"	"	"	
Bromodichloromethane (75-27-4)	<3.4	3.4	0.12	ug/m³	1	"	"	"	"	
Bromoform (75-25-2)	<5.2	5.2	0.25	ug/m³	1	"	"	"	"	
Bromomethane (74-83-9)	<1.9	1.9	0.30	ug/m³	1	"	"	"	"	
Carbon disulfide (75-15-0)	<1.6	1.6	0.061	ug/m³	1	"	"	"	"	
Carbon tetrachloride (56-23-5)	<3.1	3.1	0.17	ug/m³	1	"	"	"	"	
Chlorobenzene (108-90-7)	<2.3	2.3	0.10	ug/m³	1	"	"	"	"	
Chloroethane (75-00-3)	<1.3	1.3	0.14	ug/m³	1	"	"	"	"	
Chloroform (67-66-3)	<2.4	2.4	0.13	ug/m³	1	"	"	"	"	
Chloromethane (74-87-3)	**1.2**	1.0	0.13	ug/m³	1	"	"	"	"	
cis-1,2-Dichloroethene (156-59-2)	**1800**	90	5.8	ug/m³	45	"	"	03/11/17	"	
cis-1,3-Dichloropropene (10061-01-5)	<2.3	2.3	0.29	ug/m³	1	"	"	03/10/17	"	
Cyclohexane (110-82-7)	<1.7	1.7	0.060	ug/m³	1	"	"	"	"	
Dibromochloromethane (124-48-1)	<4.3	4.3	0.16	ug/m³	1	"	"	"	"	
Dichlorodifluoromethane (75-71-8)	<2.5	2.5	0.26	ug/m³	1	"	"	"	"	
Dichlorotetrafluoroethane (76-14-2)	<3.5	3.5	0.25	ug/m³	1	"	"	"	"	
Ethanol (64-17-5)	**790**	42	5.8	ug/m³	45	"	"	03/11/17	"	
Ethyl acetate (141-78-6)	<1.8	1.8	0.11	ug/m³	1	"	"	03/10/17	"	
Ethylbenzene (100-41-4)	**2.2**	0.87	0.10	ug/m³	1	"	"	"	"	
Hexachlorobutadiene (87-68-3)	<5.3	5.3	0.72	ug/m³	1	"	"	"	"	
Isopropyl alcohol (67-63-0)	**550**	54	4.5	ug/m³	45	"	"	03/11/17	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR
Legend Technical Services, Inc.

Analyte (CAS#)	Result	RL	MDL	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-2 (ES) (1700927-06) Air Received:03/01/17 15:10 Sampled:02/28/17 16:40										
m,p-Xylene (179601-23-1)	**6.7**	1.7	0.21	ug/m³	1	B7C1014	03/10/17	03/10/17	TO-15	
Methyl butyl ketone (591-78-6)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
Methyl isobutyl ketone (108-10-1)	**5.3**	2.0	0.18	ug/m³	1	"	"	"	"	
Methyl tert-butyl ether (1634-04-4)	<1.8	1.8	0.15	ug/m³	1	"	"	"	"	
Methylene chloride (75-09-2)	<1.7	1.7	0.22	ug/m³	1	"	"	"	"	
Naphthalene (91-20-3)	<2.6	2.6	0.35	ug/m³	1	"	"	"	"	
n-Heptane (142-82-5)	<2.0	2.0	0.068	ug/m³	1	"	"	"	"	
n-Hexane (110-54-3)	<1.8	1.8	0.084	ug/m³	1	"	"	"	"	
o-Xylene (95-47-6)	**2.4**	0.87	0.087	ug/m³	1	"	"	"	"	
Propylene (115-07-1)	<0.86	0.86	0.075	ug/m³	1	"	"	"	"	
Styrene (100-42-5)	<2.1	2.1	0.092	ug/m³	1	"	"	"	"	
Tetrachloroethene (127-18-4)	**16**	3.4	0.10	ug/m³	1	"	"	"	"	
Tetrahydrofuran (109-99-9)	**5.4**	1.5	0.12	ug/m³	1	"	"	"	"	
Toluene (108-88-3)	**12**	0.75	0.047	ug/m³	1	"	"	"	"	
trans-1,2-Dichloroethene (156-60-5)	<2.0	2.0	0.12	ug/m³	1	"	"	"	"	
trans-1,3-Dichloropropene (10061-02-6)	<2.3	2.3	0.13	ug/m³	1	"	"	"	"	
Trichloroethene (79-01-6)	**3.3**	1.1	0.064	ug/m³	1	"	"	"	"	
Trichlorofluoromethane (75-69-4)	<2.8	2.8	0.20	ug/m³	1	"	"	"	"	
Trichlorotrifluoroethane (76-13-1)	**150**	3.8	0.17	ug/m³	1	"	"	"	"	
Vinyl acetate (108-05-4)	<1.8	1.8	0.20	ug/m³	1	"	"	"	"	
Vinyl chloride (75-01-4)	**19**	0.51	0.12	ug/m³	1	"	"	"	"	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1013 - TO-15											
Blank (B7C1013-BLK1)					Prepared & Analyzed: 03/08/17						
1,1,1-Trichloroethane	< 2.7	2.7	0.13	ug/m³							
1,1,2,2-Tetrachloroethane	< 3.4	3.4	0.17	ug/m³							
1,1,2-Trichloroethane	< 2.7	2.7	0.15	ug/m³							
1,1-Dichloroethane	< 2.0	2.0	0.095	ug/m³							
1,1-Dichloroethene	< 2.0	2.0	0.10	ug/m³							
1,2,4-Trichlorobenzene	< 3.7	3.7	0.54	ug/m³							
1,2,4-Trimethylbenzene	< 1.0	1.0	0.17	ug/m³							
1,2-Dibromoethane	< 3.8	3.8	0.16	ug/m³							
1,2-Dichlorobenzene	< 3.0	3.0	0.22	ug/m³							
1,2-Dichloroethane	< 2.0	2.0	0.17	ug/m³							
1,2-Dichloropropane	< 2.3	2.3	0.16	ug/m³							
1,3,5-Trimethylbenzene	< 1.0	1.0	0.19	ug/m³							
1,3-Butadiene	< 1.1	1.1	0.32	ug/m³							
1,3-Dichlorobenzene	< 3.0	3.0	0.16	ug/m³							
1,4-Dichlorobenzene	< 3.0	3.0	0.14	ug/m³							
2-Butanone	< 1.5	1.5	0.16	ug/m³							
4-Ethyltoluene	< 2.5	2.5	0.11	ug/m³							
Acetone	< 1.2	1.2	0.34	ug/m³							
Benzene	< 0.64	0.64	0.046	ug/m³							
Benzyl chloride	< 2.6	2.6	0.13	ug/m³							
Bromodichloromethane	< 3.4	3.4	0.12	ug/m³							
Bromoform	< 5.2	5.2	0.25	ug/m³							
Bromomethane	< 1.9	1.9	0.30	ug/m³							
Carbon disulfide	< 1.6	1.6	0.061	ug/m³							
Carbon tetrachloride	< 3.1	3.1	0.17	ug/m³							
Chlorobenzene	< 2.3	2.3	0.10	ug/m³							
Chloroethane	< 1.3	1.3	0.14	ug/m³							
Chloroform	< 2.4	2.4	0.13	ug/m³							
Chloromethane	< 1.0	1.0	0.13	ug/m³							
cis-1,2-Dichloroethene	< 2.0	2.0	0.13	ug/m³							
cis-1,3-Dichloropropene	< 2.3	2.3	0.29	ug/m³							
Cyclohexane	< 1.7	1.7	0.060	ug/m³							
Dibromochloromethane	< 4.3	4.3	0.16	ug/m³							
Dichlorodifluoromethane	< 2.5	2.5	0.26	ug/m³							
Dichlorotetrafluoroethane	< 3.5	3.5	0.25	ug/m³							
Ethanol	< 0.94	0.94	0.13	ug/m³							
Ethyl acetate	< 1.8	1.8	0.11	ug/m³							
Ethylbenzene	< 0.87	0.87	0.10	ug/m³							
Hexachlorobutadiene	< 5.3	5.3	0.72	ug/m³							
Isopropyl alcohol	< 1.2	1.2	0.10	ug/m³							

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1013 - TO-15											
Blank (B7C1013-BLK1)					Prepared & Analyzed: 03/08/17						
m,p-Xylene	< 1.7	1.7	0.21	ug/m³							
Methyl butyl ketone	< 2.0	2.0	0.12	ug/m³							
Methyl isobutyl ketone	< 2.0	2.0	0.18	ug/m³							
Methyl tert-butyl ether	< 1.8	1.8	0.15	ug/m³							
Methylene chloride	< 1.7	1.7	0.22	ug/m³							
Naphthalene	< 2.6	2.6	0.35	ug/m³							
n-Heptane	< 2.0	2.0	0.068	ug/m³							
n-Hexane	< 1.8	1.8	0.084	ug/m³							
o-Xylene	< 0.87	0.87	0.087	ug/m³							
Propylene	< 0.86	0.86	0.075	ug/m³							
Styrene	< 2.1	2.1	0.092	ug/m³							
Tetrachloroethene	< 3.4	3.4	0.10	ug/m³							
Tetrahydrofuran	< 1.5	1.5	0.12	ug/m³							
Toluene	< 0.75	0.75	0.047	ug/m³							
trans-1,2-Dichloroethene	< 2.0	2.0	0.12	ug/m³							
trans-1,3-Dichloropropene	< 2.3	2.3	0.13	ug/m³							
Trichloroethene	< 1.1	1.1	0.064	ug/m³							
Trichlorofluoromethane	< 2.8	2.8	0.20	ug/m³							
Trichlorotrifluoroethane	< 3.8	3.8	0.17	ug/m³							
Vinyl acetate	< 1.8	1.8	0.20	ug/m³							
Vinyl chloride	< 0.51	0.51	0.12	ug/m³							
LCS (B7C1013-BS1)					Prepared & Analyzed: 03/08/17						
1,1,1-Trichloroethane	56.7	2.7	0.13	ug/m³	54.6	<2.7	104	70-130			
1,1,2,2-Tetrachloroethane	69.3	3.4	0.17	ug/m³	68.6	<3.4	101	70-130			
1,1,2-Trichloroethane	56.7	2.7	0.15	ug/m³	54.6	<2.7	104	70-130			
1,1-Dichloroethane	41.3	2.0	0.095	ug/m³	40.5	<2.0	102	70-130			
1,1-Dichloroethene	40.4	2.0	0.10	ug/m³	39.6	<2.0	102	70-130			
1,2,4-Trichlorobenzene	75.0	3.7	0.54	ug/m³	74.2	<3.7	101	70-130			
1,2,4-Trimethylbenzene	50.6	1.0	0.17	ug/m³	49.2	<1.0	103	70-130			
1,2-Dibromoethane	79.1	3.8	0.16	ug/m³	76.8	<3.8	103	70-130			
1,2-Dichlorobenzene	64.9	3.0	0.22	ug/m³	60.1	<3.0	108	70-130			
1,2-Dichloroethane	42.1	2.0	0.17	ug/m³	40.5	<2.0	104	70-130			
1,2-Dichloropropane	46.7	2.3	0.16	ug/m³	46.2	<2.3	101	70-130			
1,3,5-Trimethylbenzene	50.1	1.0	0.19	ug/m³	49.2	<1.0	102	70-130			
1,3-Butadiene	19.5	1.1	0.32	ug/m³	22.1	<1.1	88.1	70-130			
1,3-Dichlorobenzene	64.9	3.0	0.16	ug/m³	60.1	<3.0	108	70-130			
1,4-Dichlorobenzene	65.5	3.0	0.14	ug/m³	60.1	<3.0	109	70-130			
2-Butanone	32.7	1.5	0.16	ug/m³	29.5	<1.5	111	70-130			
4-Ethyltoluene	50.1	2.5	0.11	ug/m³	49.2	<2.5	102	70-130			

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1013 - TO-15											
LCS (B7C1013-BS1)					Prepared & Analyzed: 03/08/17						
Acetone	26.6	1.2	0.34	ug/m³	23.8	<1.2	112	70-130			
Benzene	32.6	0.64	0.046	ug/m³	31.9	<0.64	102	70-130			
Benzyl chloride	59.0	2.6	0.13	ug/m³	51.8	<2.6	114	70-130			
Bromodichloromethane	69.7	3.4	0.12	ug/m³	67.0	<3.4	104	70-130			
Bromoform	105	5.2	0.25	ug/m³	103	<5.2	102	70-130			
Bromomethane	34.1	1.9	0.30	ug/m³	38.8	<1.9	87.9	70-130			
Carbon disulfide	31.5	1.6	0.061	ug/m³	31.1	<1.6	101	70-130			
Carbon tetrachloride	66.7	3.1	0.17	ug/m³	62.9	<3.1	106	70-130			
Chlorobenzene	47.0	2.3	0.10	ug/m³	46.0	<2.3	102	70-130			
Chloroethane	25.5	1.3	0.14	ug/m³	26.4	<1.3	96.8	70-130			
Chloroform	50.8	2.4	0.13	ug/m³	48.8	<2.4	104	70-130			
Chloromethane	18.9	1.0	0.13	ug/m³	20.6	<1.0	91.3	70-130			
cis-1,2-Dichloroethene	38.4	2.0	0.13	ug/m³	39.6	<2.0	96.8	70-130			
cis-1,3-Dichloropropene	46.3	2.3	0.29	ug/m³	45.4	<2.3	102	70-130			
Cyclohexane	35.8	1.7	0.060	ug/m³	34.4	<1.7	104	70-130			
Dibromochloromethane	88.6	4.3	0.16	ug/m³	85.2	<4.3	104	70-130			
Dichlorodifluoromethane	42.4	2.5	0.26	ug/m³	49.5	<2.5	85.8	70-130			
Dichlorotetrafluoroethane	67.2	3.5	0.25	ug/m³	69.9	<3.5	96.1	70-130			
Ethanol	19.4	0.94	0.13	ug/m³	18.8	<0.94	103	70-130			
Ethyl acetate	38.2	1.8	0.11	ug/m³	36.0	<1.8	106	70-130			
Ethylbenzene	43.4	0.87	0.10	ug/m³	43.4	<0.87	99.9	70-130			
Hexachlorobutadiene	122	5.3	0.72	ug/m³	107	<5.3	114	70-130			
Isopropyl alcohol	25.6	1.2	0.10	ug/m³	24.6	<1.2	104	70-130			
m,p-Xylene	86.0	1.7	0.21	ug/m³	86.8	<1.7	99.0	70-130			
Methyl butyl ketone	41.8	2.0	0.12	ug/m³	41.0	<2.0	102	70-130			
Methyl isobutyl ketone	43.8	2.0	0.18	ug/m³	41.0	<2.0	107	70-130			
Methyl tert-butyl ether	36.0	1.8	0.15	ug/m³	36.1	<1.8	99.8	70-130			
Methylene chloride	33.9	1.7	0.22	ug/m³	34.7	<1.7	97.6	70-130			
Naphthalene	51.5	2.6	0.35	ug/m³	55.0	<2.6	93.6	70-130			
n-Heptane	43.4	2.0	0.068	ug/m³	41.0	<2.0	106	70-130			
n-Hexane	35.6	1.8	0.084	ug/m³	35.2	<1.8	101	70-130			
o-Xylene	42.2	0.87	0.087	ug/m³	43.4	<0.87	97.1	70-130			
Propylene	16.5	0.86	0.075	ug/m³	17.2	<0.86	96.0	70-130			
Styrene	43.4	2.1	0.092	ug/m³	42.6	<2.1	102	70-130			
Tetrachloroethene	69.9	3.4	0.10	ug/m³	67.8	<3.4	103	70-130			
Tetrahydrofuran	31.0	1.5	0.12	ug/m³	29.5	<1.5	105	70-130			
Toluene	39.2	0.75	0.047	ug/m³	37.7	<0.75	104	70-130			
trans-1,2-Dichloroethene	40.0	2.0	0.12	ug/m³	39.6	<2.0	101	70-130			
trans-1,3-Dichloropropene	46.3	2.3	0.13	ug/m³	45.4	<2.3	102	70-130			
Trichloroethene	54.8	1.1	0.064	ug/m³	53.7	<1.1	102	70-130			

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1013 - TO-15											
LCS (B7C1013-BS1)					Prepared & Analyzed: 03/08/17						
Trichlorofluoromethane	58.4	2.8	0.20	ug/m³	56.2	<2.8	104	70-130			
Trichlorotrifluoroethane	79.7	3.8	0.17	ug/m³	76.6	<3.8	104	70-130			
Vinyl acetate	44.7	1.8	0.20	ug/m³	35.2	<1.8	127	70-130			
Vinyl chloride	22.9	0.51	0.12	ug/m³	25.6	<0.51	89.4	70-130			
Duplicate (B7C1013-DUP1)		**Source: 1700927-01**			Prepared & Analyzed: 03/08/17						
1,1,1-Trichloroethane	< 2.7	2.7	0.13	ug/m³		<2.7			NA	25	
1,1,2,2-Tetrachloroethane	< 3.4	3.4	0.17	ug/m³		<3.4			NA	25	
1,1,2-Trichloroethane	< 2.7	2.7	0.15	ug/m³		<2.7			NA	25	
1,1-Dichloroethane	< 2.0	2.0	0.095	ug/m³		<2.0			NA	25	
1,1-Dichloroethene	< 2.0	2.0	0.10	ug/m³		<2.0			NA	25	
1,2,4-Trichlorobenzene	< 3.7	3.7	0.54	ug/m³		<3.7			NA	25	
1,2,4-Trimethylbenzene	1.55	1.0	0.17	ug/m³		1.47			5.37	25	
1,2-Dibromoethane	< 3.8	3.8	0.16	ug/m³		<3.8			NA	25	
1,2-Dichlorobenzene	< 3.0	3.0	0.22	ug/m³		<3.0			NA	25	
1,2-Dichloroethane	< 2.0	2.0	0.17	ug/m³		<2.0			NA	25	
1,2-Dichloropropane	< 2.3	2.3	0.16	ug/m³		<2.3			NA	25	
1,3,5-Trimethylbenzene	< 1.0	1.0	0.19	ug/m³		<1.0			NA	25	
1,3-Butadiene	< 1.1	1.1	0.32	ug/m³		<1.1			NA	25	
1,3-Dichlorobenzene	< 3.0	3.0	0.16	ug/m³		<3.0			NA	25	
1,4-Dichlorobenzene	< 3.0	3.0	0.14	ug/m³		<3.0			NA	25	
2-Butanone	2.35	1.5	0.16	ug/m³		2.30			1.80	25	
4-Ethyltoluene	< 2.5	2.5	0.11	ug/m³		<2.5			NA	25	
Acetone	32.8	1.2	0.34	ug/m³		32.4			1.18	25	
Benzene	1.93	0.64	0.046	ug/m³		1.91			1.06	25	
Benzyl chloride	< 2.6	2.6	0.13	ug/m³		<2.6			NA	25	
Bromodichloromethane	< 3.4	3.4	0.12	ug/m³		<3.4			NA	25	
Bromoform	< 5.2	5.2	0.25	ug/m³		<5.2			NA	25	
Bromomethane	< 1.9	1.9	0.30	ug/m³		<1.9			NA	25	
Carbon disulfide	< 1.6	1.6	0.061	ug/m³		<1.6			NA	25	
Carbon tetrachloride	< 3.1	3.1	0.17	ug/m³		<3.1			NA	25	
Chlorobenzene	< 2.3	2.3	0.10	ug/m³		<2.3			NA	25	
Chloroethane	< 1.3	1.3	0.14	ug/m³		<1.3			NA	25	
Chloroform	< 2.4	2.4	0.13	ug/m³		<2.4			NA	25	
Chloromethane	1.14	1.0	0.13	ug/m³		1.03			10.7	25	
cis-1,2-Dichloroethene	3.77	2.0	0.13	ug/m³		3.71			1.55	25	
cis-1,3-Dichloropropene	< 2.3	2.3	0.29	ug/m³		<2.3			NA	25	
Cyclohexane	< 1.7	1.7	0.060	ug/m³		<1.7			NA	25	
Dibromochloromethane	< 4.3	4.3	0.16	ug/m³		<4.3			NA	25	
Dichlorodifluoromethane	2.46	2.5	0.26	ug/m³		2.51			2.01	25	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1013 - TO-15											
Duplicate (B7C1013-DUP1)		**Source: 1700927-01**			Prepared & Analyzed: 03/08/17						
Dichlorotetrafluoroethane	< 3.5	3.5	0.25	ug/m³		<3.5			NA	25	
Ethanol	573	28	3.9	ug/m³		539			6.14	25	
Ethyl acetate	< 1.8	1.8	0.11	ug/m³		<1.8			NA	25	
Ethylbenzene	1.04	0.87	0.10	ug/m³		1.08			4.13	25	
Hexachlorobutadiene	< 5.3	5.3	0.72	ug/m³		<5.3			NA	25	
Isopropyl alcohol	294	36	3.0	ug/m³		281			4.62	25	
m,p-Xylene	3.30	1.7	0.21	ug/m³		3.33			0.809	25	
Methyl butyl ketone	< 2.0	2.0	0.12	ug/m³		<2.0			NA	25	
Methyl isobutyl ketone	< 2.0	2.0	0.18	ug/m³		<2.0			NA	25	
Methyl tert-butyl ether	< 1.8	1.8	0.15	ug/m³		<1.8			NA	25	
Methylene chloride	< 1.7	1.7	0.22	ug/m³		<1.7			NA	25	
Naphthalene	< 2.6	2.6	0.35	ug/m³		<2.6			NA	25	
n-Heptane	< 2.0	2.0	0.068	ug/m³		<2.0			NA	25	
n-Hexane	< 1.8	1.8	0.084	ug/m³		<1.8			NA	25	
o-Xylene	1.19	0.87	0.087	ug/m³		1.05			12.7	25	
Propylene	< 0.86	0.86	0.075	ug/m³		<0.86			NA	25	
Styrene	< 2.1	2.1	0.092	ug/m³		<2.1			NA	25	
Tetrachloroethene	< 3.4	3.4	0.10	ug/m³		<3.4			NA	25	
Tetrahydrofuran	< 1.5	1.5	0.12	ug/m³		<1.5			NA	25	
Toluene	14.7	0.75	0.047	ug/m³		14.5			1.94	25	
trans-1,2-Dichloroethene	< 2.0	2.0	0.12	ug/m³		<2.0			NA	25	
trans-1,3-Dichloropropene	< 2.3	2.3	0.13	ug/m³		<2.3			NA	25	
Trichloroethene	3.37	1.1	0.064	ug/m³		3.40			1.12	25	
Trichlorofluoromethane	< 2.8	2.8	0.20	ug/m³		<2.8			NA	25	
Trichlorotrifluoroethane	< 3.8	3.8	0.17	ug/m³		<3.8			NA	25	
Vinyl acetate	< 1.8	1.8	0.20	ug/m³		<1.8			NA	25	
Vinyl chloride	< 0.51	0.51	0.12	ug/m³		<0.51			NA	25	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1014 - TO-15											
Blank (B7C1014-BLK1)					Prepared & Analyzed: 03/10/17						
1,1,1-Trichloroethane	< 2.7	2.7	0.13	ug/m³							
1,1,2,2-Tetrachloroethane	< 3.4	3.4	0.17	ug/m³							
1,1,2-Trichloroethane	< 2.7	2.7	0.15	ug/m³							
1,1-Dichloroethane	< 2.0	2.0	0.095	ug/m³							
1,1-Dichloroethene	< 2.0	2.0	0.10	ug/m³							
1,2,4-Trichlorobenzene	< 3.7	3.7	0.54	ug/m³							
1,2,4-Trimethylbenzene	< 1.0	1.0	0.17	ug/m³							
1,2-Dibromoethane	< 3.8	3.8	0.16	ug/m³							
1,2-Dichlorobenzene	< 3.0	3.0	0.22	ug/m³							
1,2-Dichloroethane	< 2.0	2.0	0.17	ug/m³							
1,2-Dichloropropane	< 2.3	2.3	0.16	ug/m³							
1,3,5-Trimethylbenzene	< 1.0	1.0	0.19	ug/m³							
1,3-Butadiene	< 1.1	1.1	0.32	ug/m³							
1,3-Dichlorobenzene	< 3.0	3.0	0.16	ug/m³							
1,4-Dichlorobenzene	< 3.0	3.0	0.14	ug/m³							
2-Butanone	< 1.5	1.5	0.16	ug/m³							
4-Ethyltoluene	< 2.5	2.5	0.11	ug/m³							
Acetone	< 1.2	1.2	0.34	ug/m³							
Benzene	< 0.64	0.64	0.046	ug/m³							
Benzyl chloride	< 2.6	2.6	0.13	ug/m³							
Bromodichloromethane	< 3.4	3.4	0.12	ug/m³							
Bromoform	< 5.2	5.2	0.25	ug/m³							
Bromomethane	< 1.9	1.9	0.30	ug/m³							
Carbon disulfide	< 1.6	1.6	0.061	ug/m³							
Carbon tetrachloride	< 3.1	3.1	0.17	ug/m³							
Chlorobenzene	< 2.3	2.3	0.10	ug/m³							
Chloroethane	< 1.3	1.3	0.14	ug/m³							
Chloroform	< 2.4	2.4	0.13	ug/m³							
Chloromethane	< 1.0	1.0	0.13	ug/m³							
cis-1,2-Dichloroethene	< 2.0	2.0	0.13	ug/m³							
cis-1,3-Dichloropropene	< 2.3	2.3	0.29	ug/m³							
Cyclohexane	< 1.7	1.7	0.060	ug/m³							
Dibromochloromethane	< 4.3	4.3	0.16	ug/m³							
Dichlorodifluoromethane	< 2.5	2.5	0.26	ug/m³							
Dichlorotetrafluoroethane	< 3.5	3.5	0.25	ug/m³							
Ethanol	< 0.94	0.94	0.13	ug/m³							
Ethyl acetate	< 1.8	1.8	0.11	ug/m³							
Ethylbenzene	< 0.87	0.87	0.10	ug/m³							
Hexachlorobutadiene	< 5.3	5.3	0.72	ug/m³							
Isopropyl alcohol	< 1.2	1.2	0.10	ug/m³							

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1014 - TO-15											
Blank (B7C1014-BLK1)					Prepared & Analyzed: 03/10/17						
m,p-Xylene	< 1.7	1.7	0.21	ug/m³							
Methyl butyl ketone	< 2.0	2.0	0.12	ug/m³							
Methyl isobutyl ketone	< 2.0	2.0	0.18	ug/m³							
Methyl tert-butyl ether	< 1.8	1.8	0.15	ug/m³							
Methylene chloride	< 1.7	1.7	0.22	ug/m³							
Naphthalene	< 2.6	2.6	0.35	ug/m³							
n-Heptane	< 2.0	2.0	0.068	ug/m³							
n-Hexane	< 1.8	1.8	0.084	ug/m³							
o-Xylene	< 0.87	0.87	0.087	ug/m³							
Propylene	< 0.86	0.86	0.075	ug/m³							
Styrene	< 2.1	2.1	0.092	ug/m³							
Tetrachloroethene	< 3.4	3.4	0.10	ug/m³							
Tetrahydrofuran	< 1.5	1.5	0.12	ug/m³							
Toluene	< 0.75	0.75	0.047	ug/m³							
trans-1,2-Dichloroethene	< 2.0	2.0	0.12	ug/m³							
trans-1,3-Dichloropropene	< 2.3	2.3	0.13	ug/m³							
Trichloroethene	< 1.1	1.1	0.064	ug/m³							
Trichlorofluoromethane	< 2.8	2.8	0.20	ug/m³							
Trichlorotrifluoroethane	< 3.8	3.8	0.17	ug/m³							
Vinyl acetate	< 1.8	1.8	0.20	ug/m³							
Vinyl chloride	< 0.51	0.51	0.12	ug/m³							
LCS (B7C1014-BS1)					Prepared & Analyzed: 03/10/17						
1,1,1-Trichloroethane	57.3	2.7	0.13	ug/m³	54.6	<2.7	105	70-130			
1,1,2,2-Tetrachloroethane	72.8	3.4	0.17	ug/m³	68.6	<3.4	106	70-130			
1,1,2-Trichloroethane	58.9	2.7	0.15	ug/m³	54.6	<2.7	108	70-130			
1,1-Dichloroethane	42.1	2.0	0.095	ug/m³	40.5	<2.0	104	70-130			
1,1-Dichloroethene	41.2	2.0	0.10	ug/m³	39.6	<2.0	104	70-130			
1,2,4-Trichlorobenzene	77.2	3.7	0.54	ug/m³	74.2	<3.7	104	70-130			
1,2,4-Trimethylbenzene	52.6	1.0	0.17	ug/m³	49.2	<1.0	107	70-130			
1,2-Dibromoethane	83.7	3.8	0.16	ug/m³	76.8	<3.8	109	70-130			
1,2-Dichlorobenzene	66.1	3.0	0.22	ug/m³	60.1	<3.0	110	70-130			
1,2-Dichloroethane	42.5	2.0	0.17	ug/m³	40.5	<2.0	105	70-130			
1,2-Dichloropropane	49.0	2.3	0.16	ug/m³	46.2	<2.3	106	70-130			
1,3,5-Trimethylbenzene	51.6	1.0	0.19	ug/m³	49.2	<1.0	105	70-130			
1,3-Butadiene	21.0	1.1	0.32	ug/m³	22.1	<1.1	95.0	70-130			
1,3-Dichlorobenzene	65.5	3.0	0.16	ug/m³	60.1	<3.0	109	70-130			
1,4-Dichlorobenzene	67.3	3.0	0.14	ug/m³	60.1	<3.0	112	70-130			
2-Butanone	33.3	1.5	0.16	ug/m³	29.5	<1.5	113	70-130			
4-Ethyltoluene	52.1	2.5	0.11	ug/m³	49.2	<2.5	106	70-130			

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Landmark Environmental	Project: TO-15	
2042 West 98th Street	Project Number: CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager: Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1014 - TO-15											
LCS (B7C1014-BS1)					Prepared & Analyzed: 03/10/17						
Acetone	28.0	1.2	0.34	ug/m³	23.8	<1.2	118	70-130			
Benzene	33.9	0.64	0.046	ug/m³	31.9	<0.64	106	70-130			
Benzyl chloride	60.1	2.6	0.13	ug/m³	51.8	<2.6	116	70-130			
Bromodichloromethane	71.7	3.4	0.12	ug/m³	67.0	<3.4	107	70-130			
Bromoform	112	5.2	0.25	ug/m³	103	<5.2	108	70-130			
Bromomethane	34.7	1.9	0.30	ug/m³	38.8	<1.9	89.4	70-130			
Carbon disulfide	32.7	1.6	0.061	ug/m³	31.1	<1.6	105	70-130			
Carbon tetrachloride	67.9	3.1	0.17	ug/m³	62.9	<3.1	108	70-130			
Chlorobenzene	48.3	2.3	0.10	ug/m³	46.0	<2.3	105	70-130			
Chloroethane	26.9	1.3	0.14	ug/m³	26.4	<1.3	102	70-130			
Chloroform	51.3	2.4	0.13	ug/m³	48.8	<2.4	105	70-130			
Chloromethane	19.7	1.0	0.13	ug/m³	20.6	<1.0	95.2	70-130			
cis-1,2-Dichloroethene	40.8	2.0	0.13	ug/m³	39.6	<2.0	103	70-130			
cis-1,3-Dichloropropene	48.6	2.3	0.29	ug/m³	45.4	<2.3	107	70-130			
Cyclohexane	36.1	1.7	0.060	ug/m³	34.4	<1.7	105	70-130			
Dibromochloromethane	94.6	4.3	0.16	ug/m³	85.2	<4.3	111	70-130			
Dichlorodifluoromethane	44.0	2.5	0.26	ug/m³	49.5	<2.5	89.0	70-130			
Dichlorotetrafluoroethane	70.6	3.5	0.25	ug/m³	69.9	<3.5	101	70-130			
Ethanol	20.0	0.94	0.13	ug/m³	18.8	<0.94	106	70-130			
Ethyl acetate	40.4	1.8	0.11	ug/m³	36.0	<1.8	112	70-130			
Ethylbenzene	45.6	0.87	0.10	ug/m³	43.4	<0.87	105	70-130			
Hexachlorobutadiene	121	5.3	0.72	ug/m³	107	<5.3	113	70-130			
Isopropyl alcohol	26.5	1.2	0.10	ug/m³	24.6	<1.2	108	70-130			
m,p-Xylene	88.6	1.7	0.21	ug/m³	86.8	<1.7	102	70-130			
Methyl butyl ketone	43.8	2.0	0.12	ug/m³	41.0	<2.0	107	70-130			
Methyl isobutyl ketone	44.2	2.0	0.18	ug/m³	41.0	<2.0	108	70-130			
Methyl tert-butyl ether	36.4	1.8	0.15	ug/m³	36.1	<1.8	101	70-130			
Methylene chloride	34.1	1.7	0.22	ug/m³	34.7	<1.7	98.3	70-130			
Naphthalene	51.9	2.6	0.35	ug/m³	55.0	<2.6	94.4	70-130			
n-Heptane	45.1	2.0	0.068	ug/m³	41.0	<2.0	110	70-130			
n-Hexane	36.3	1.8	0.084	ug/m³	35.2	<1.8	103	70-130			
o-Xylene	44.3	0.87	0.087	ug/m³	43.4	<0.87	102	70-130			
Propylene	16.8	0.86	0.075	ug/m³	17.2	<0.86	97.8	70-130			
Styrene	45.6	2.1	0.092	ug/m³	42.6	<2.1	107	70-130			
Tetrachloroethene	71.2	3.4	0.10	ug/m³	67.8	<3.4	105	70-130			
Tetrahydrofuran	31.6	1.5	0.12	ug/m³	29.5	<1.5	107	70-130			
Toluene	38.8	0.75	0.047	ug/m³	37.7	<0.75	103	70-130			
trans-1,2-Dichloroethene	40.8	2.0	0.12	ug/m³	39.6	<2.0	103	70-130			
trans-1,3-Dichloropropene	48.1	2.3	0.13	ug/m³	45.4	<2.3	106	70-130			
Trichloroethene	55.9	1.1	0.064	ug/m³	53.7	<1.1	104	70-130			

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1014 - TO-15											
LCS (B7C1014-BS1)					Prepared & Analyzed: 03/10/17						
Trichlorofluoromethane	60.1	2.8	0.20	ug/m³	56.2	<2.8	107	70-130			
Trichlorotrifluoroethane	79.7	3.8	0.17	ug/m³	76.6	<3.8	104	70-130			
Vinyl acetate	44.4	1.8	0.20	ug/m³	35.2	<1.8	126	70-130			
Vinyl chloride	23.9	0.51	0.12	ug/m³	25.6	<0.51	93.4	70-130			
Duplicate (B7C1014-DUP1)		**Source: 1700927-06**			Prepared & Analyzed: 03/10/17						
1,1,1-Trichloroethane	< 2.7	2.7	0.13	ug/m³		<2.7			NA	25	
1,1,2,2-Tetrachloroethane	< 3.4	3.4	0.17	ug/m³		<3.4			NA	25	
1,1,2-Trichloroethane	< 2.7	2.7	0.15	ug/m³		<2.7			NA	25	
1,1-Dichloroethane	< 2.0	2.0	0.095	ug/m³		<2.0			NA	25	
1,1-Dichloroethene	7.26	2.0	0.10	ug/m³		7.58			4.23	25	
1,2,4-Trichlorobenzene	< 3.7	3.7	0.54	ug/m³		<3.7			NA	25	
1,2,4-Trimethylbenzene	3.15	1.0	0.17	ug/m³		3.51			11.0	25	
1,2-Dibromoethane	< 3.8	3.8	0.16	ug/m³		<3.8			NA	25	
1,2-Dichlorobenzene	< 3.0	3.0	0.22	ug/m³		<3.0			NA	25	
1,2-Dichloroethane	< 2.0	2.0	0.17	ug/m³		<2.0			NA	25	
1,2-Dichloropropane	< 2.3	2.3	0.16	ug/m³		<2.3			NA	25	
1,3,5-Trimethylbenzene	1.04	1.0	0.19	ug/m³		1.12			6.92	25	
1,3-Butadiene	< 1.1	1.1	0.32	ug/m³		<1.1			NA	25	
1,3-Dichlorobenzene	< 3.0	3.0	0.16	ug/m³		<3.0			NA	25	
1,4-Dichlorobenzene	< 3.0	3.0	0.14	ug/m³		<3.0			NA	25	
2-Butanone	9.20	1.5	0.16	ug/m³		9.14			0.701	25	
4-Ethyltoluene	< 2.5	2.5	0.11	ug/m³		<2.5			NA	25	
Acetone	98.6	11	3.1	ug/m³		96.8			1.85	25	
Benzene	1.10	0.64	0.046	ug/m³		1.05			4.89	25	
Benzyl chloride	< 2.6	2.6	0.13	ug/m³		<2.6			NA	25	
Bromodichloromethane	< 3.4	3.4	0.12	ug/m³		<3.4			NA	25	
Bromoform	< 5.2	5.2	0.25	ug/m³		<5.2			NA	25	
Bromomethane	< 1.9	1.9	0.30	ug/m³		<1.9			NA	25	
Carbon disulfide	< 1.6	1.6	0.061	ug/m³		<1.6			NA	25	
Carbon tetrachloride	< 3.1	3.1	0.17	ug/m³		<3.1			NA	25	
Chlorobenzene	< 2.3	2.3	0.10	ug/m³		<2.3			NA	25	
Chloroethane	< 1.3	1.3	0.14	ug/m³		<1.3			NA	25	
Chloroform	< 2.4	2.4	0.13	ug/m³		<2.4			NA	25	
Chloromethane	1.07	1.0	0.13	ug/m³		1.17			9.08	25	
cis-1,2-Dichloroethene	1720	90	5.8	ug/m³		1820			5.82	25	
cis-1,3-Dichloropropene	< 2.3	2.3	0.29	ug/m³		<2.3			NA	25	
Cyclohexane	< 1.7	1.7	0.060	ug/m³		<1.7			NA	25	
Dibromochloromethane	< 4.3	4.3	0.16	ug/m³		<4.3			NA	25	
Dichlorodifluoromethane	2.10	2.5	0.26	ug/m³		2.50			17.6	25	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

VOC - AIR - Quality Control
Legend Technical Services, Inc.

Analyte	Result	RL	MDL	Units	Spike Level	Source Result	%REC	%REC Limits	%RPD	%RPD Limit	Notes
Batch B7C1014 - TO-15											
Duplicate (B7C1014-DUP1)		**Source: 1700927-06**			Prepared & Analyzed: 03/10/17						
Dichlorotetrafluoroethane	< 3.5	3.5	0.25	ug/m³		<3.5			NA	25	
Ethanol	806	42	5.8	ug/m³		793			1.63	25	
Ethyl acetate	< 1.8	1.8	0.11	ug/m³		<1.8			NA	25	
Ethylbenzene	2.28	0.87	0.10	ug/m³		2.19			4.26	25	
Hexachlorobutadiene	< 5.3	5.3	0.72	ug/m³		<5.3			NA	25	
Isopropyl alcohol	524	54	4.5	ug/m³		546			4.27	25	
m,p-Xylene	6.35	1.7	0.21	ug/m³		6.66			4.79	25	
Methyl butyl ketone	< 2.0	2.0	0.12	ug/m³		<2.0			NA	25	
Methyl isobutyl ketone	5.72	2.0	0.18	ug/m³		5.30			7.63	25	
Methyl tert-butyl ether	< 1.8	1.8	0.15	ug/m³		<1.8			NA	25	
Methylene chloride	< 1.7	1.7	0.22	ug/m³		<1.7			NA	25	
Naphthalene	< 2.6	2.6	0.35	ug/m³		<2.6			NA	25	
n-Heptane	< 2.0	2.0	0.068	ug/m³		<2.0			NA	25	
n-Hexane	< 1.8	1.8	0.084	ug/m³		<1.8			NA	25	
o-Xylene	2.33	0.87	0.087	ug/m³		2.44			4.63	25	
Propylene	< 0.86	0.86	0.075	ug/m³		<0.86			NA	25	
Styrene	< 2.1	2.1	0.092	ug/m³		<2.1			NA	25	
Tetrachloroethene	17.2	3.4	0.10	ug/m³		16.3			5.27	25	
Tetrahydrofuran	5.71	1.5	0.12	ug/m³		5.39			5.80	25	
Toluene	11.5	0.75	0.047	ug/m³		11.5			0.138	25	
trans-1,2-Dichloroethene	< 2.0	2.0	0.12	ug/m³		<2.0			NA	25	
trans-1,3-Dichloropropene	< 2.3	2.3	0.13	ug/m³		<2.3			NA	25	
Trichloroethene	3.39	1.1	0.064	ug/m³		3.27			3.65	25	
Trichlorofluoromethane	< 2.8	2.8	0.20	ug/m³		<2.8			NA	25	
Trichlorotrifluoroethane	141	3.8	0.17	ug/m³		148			5.05	25	
Vinyl acetate	< 1.8	1.8	0.20	ug/m³		<1.8			NA	25	
Vinyl chloride	15.8	0.51	0.12	ug/m³		18.9			17.9	25	

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Landmark Environmental	Project:	TO-15	
2042 West 98th Street	Project Number:	CrC	Work Order #: 1700927
Bloomington, MN 55431	Project Manager:	Mr. Aaron Kuck	Date Reported: 03/16/17

Notes and Definitions

<	Less than value listed
NA	Not applicable. The %RPD is not calculated from values less than the reporting limit.
MDL	Method Detection Limit
RL	Reporting Limit
RPD	Relative Percent Difference
LCS	Laboratory Control Spike = Blank Spike (BS) = Laboratory Fortified Blank (LFB)

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88 Empire Drive, St. Paul, MN 55103 - Telephone: 651-642-1150, Fax: 651-642-1239
CHAIN-OF-CUSTODY RECORD

Client Name: Landmark
Address:
Attn: akuk@landmarkcos.com
Phone:

Bill To:
Address:
PO #:
E-mail: akuk@landmarkcos.com

LEGEND Project#: 170627
Turn Around Time: ☒ Normal ☐ RUSH
Requested Due Date: ___
Client Project Number:
Client Project Name: CrC

TO-15 (MF w/ TICs Air Analysis

Project Comments:

Item No.	Field ID / Sampler ID	Canister Serial #	Flow Controller Serial #	Pressure (" Hg) Start	Pressure (" Hg) Stop	Date Collected	Time Collected Start	Time Collected Stop	Total Time	Grab	Comp.	PID Reading	Sample Comments
1	LSG-7	00359	47	-27	-3	2/28/17	3:50	3:56	6 mins	✓		0.0	01
2	LSG-8	00381	20	-27	-4	2/28/17	2:34	2:40	6 mins	✓		0.0	02
3	LSG-9	3806	16	-27	-4	2/28/17	1:05	1:13	8 mins	✓		0.0	03
4	LSG-10	00399	28	-27	-5	2/28/17	3:10	3:19	9 mins	✓		0.0	04
5	SP-1(SS)	00412	2	-28	-5	2/28/17	2:11	2:18	7 mins	✓		0.0	05
6	SP-2(ES)	3971	52	-28	-5	2/28/17	4:10	4:40	30 mins	✓		0.0	06
7													
8													
9													
10													

Sample Collector (please print): Aaron Kuck
Relinquished By: [signature] Date: 3/1/17 Time:
Accepted by: Date: Time:
Comments:
Relinquished By: Date: Time:
Received by Lab: [signature] Date: 3/1/17 Time: 1520

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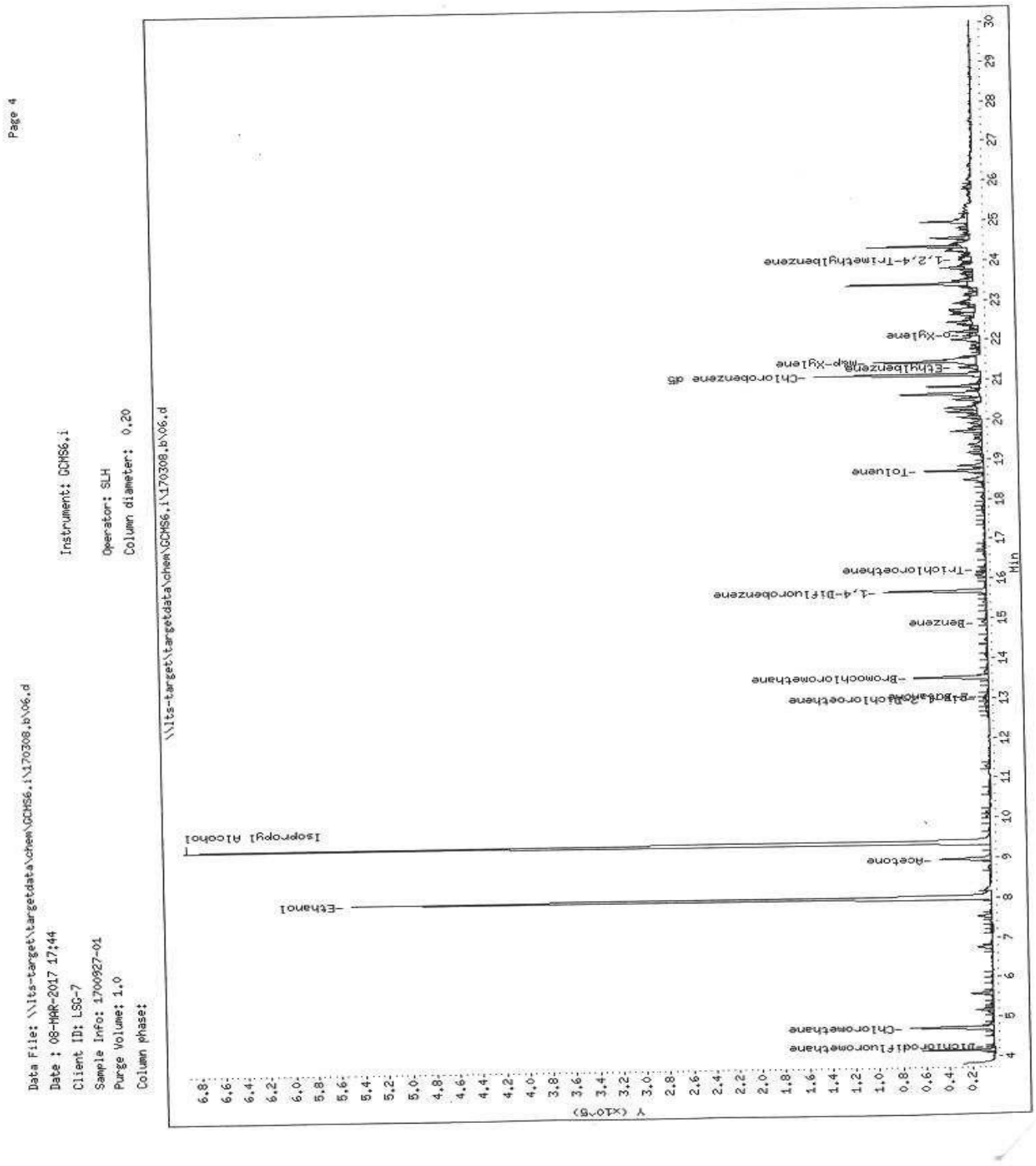

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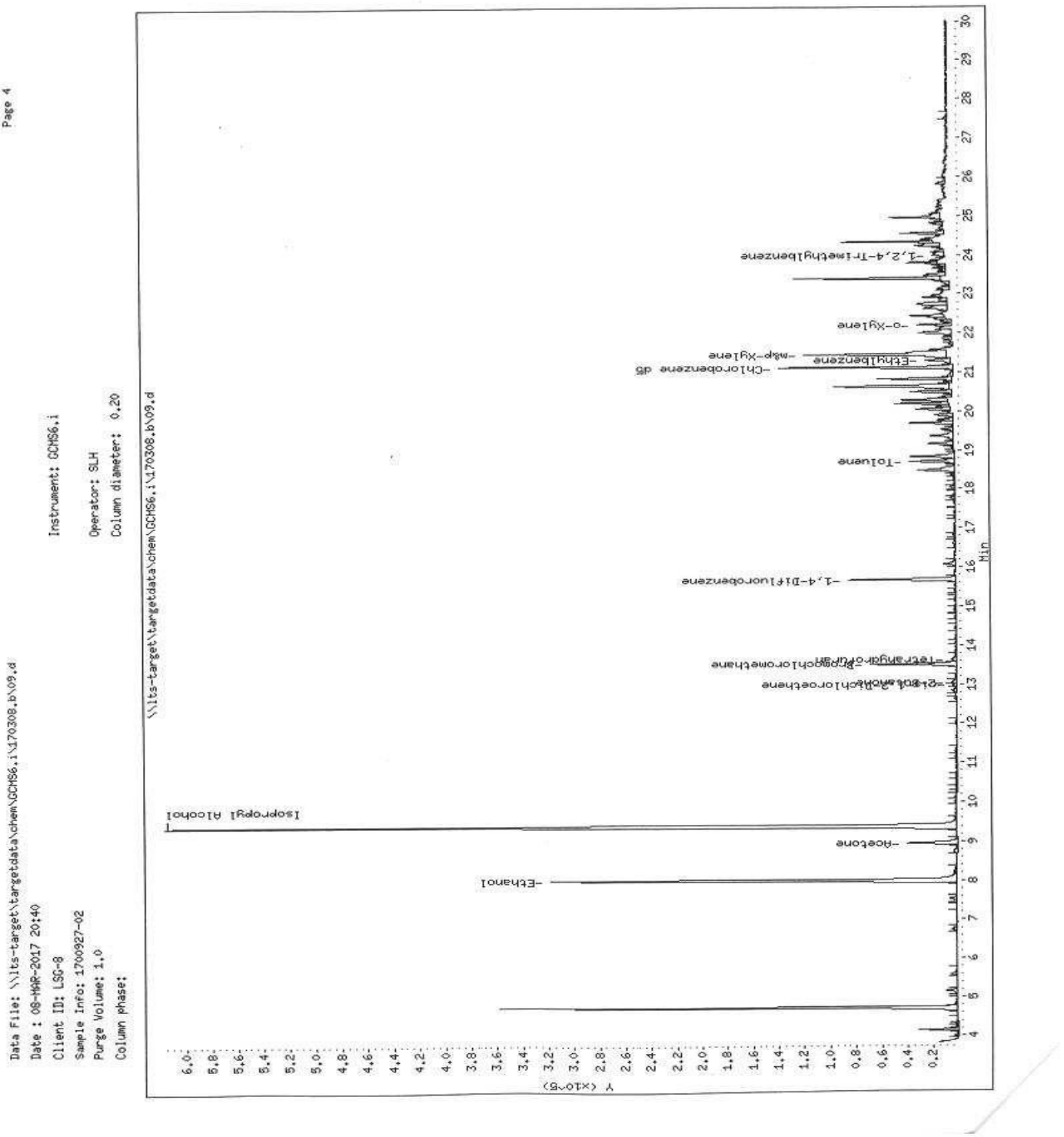

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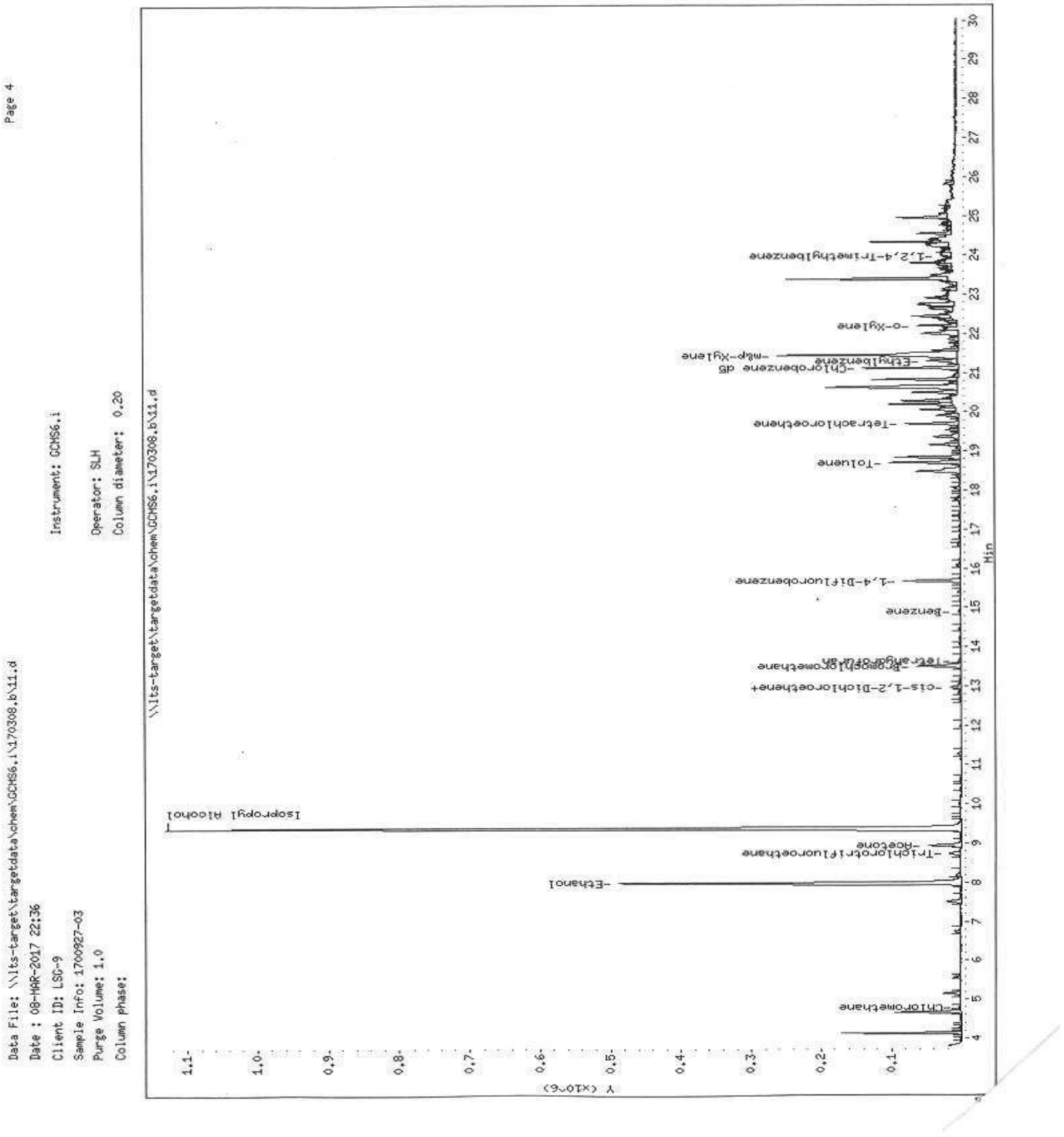

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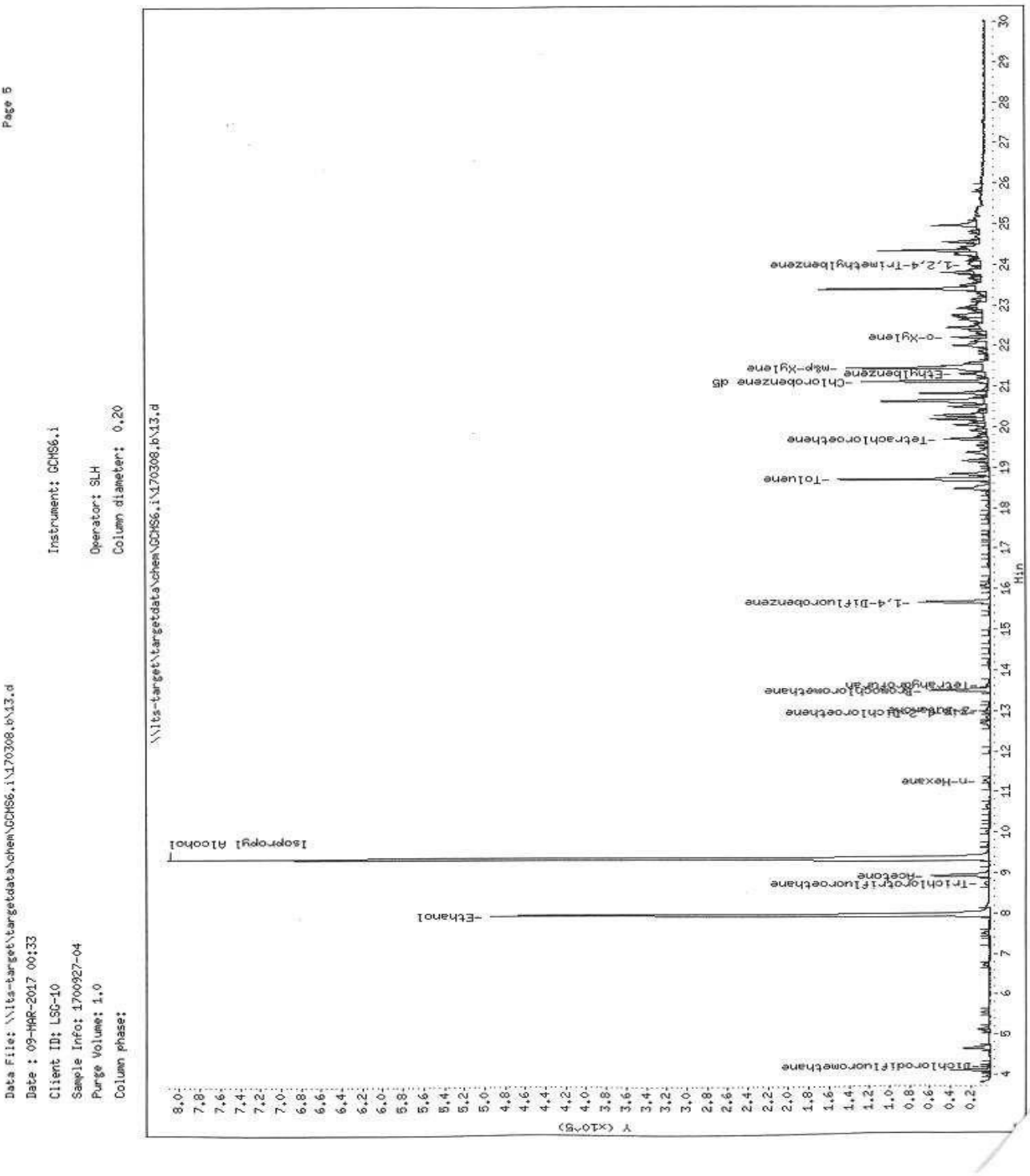

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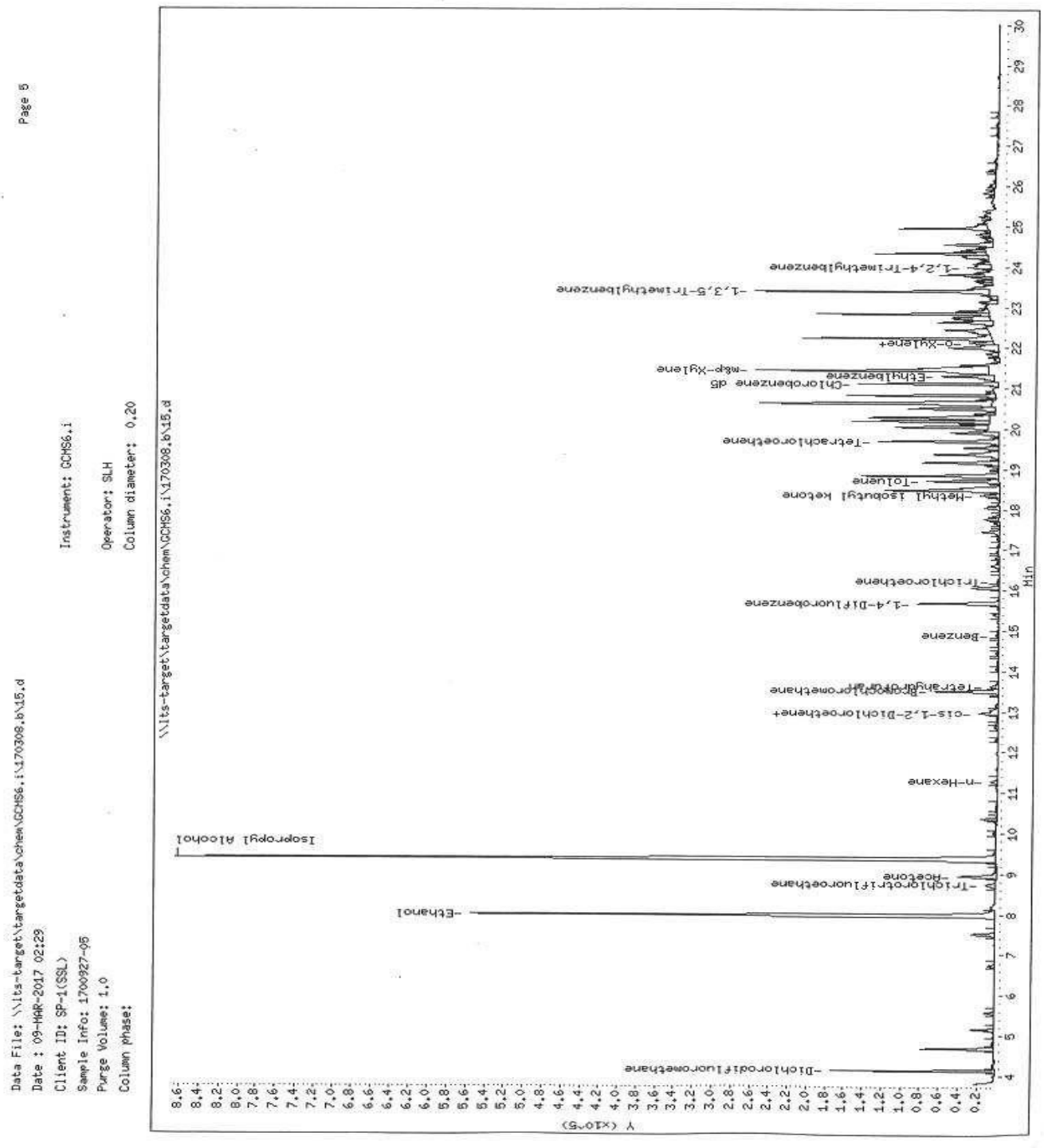

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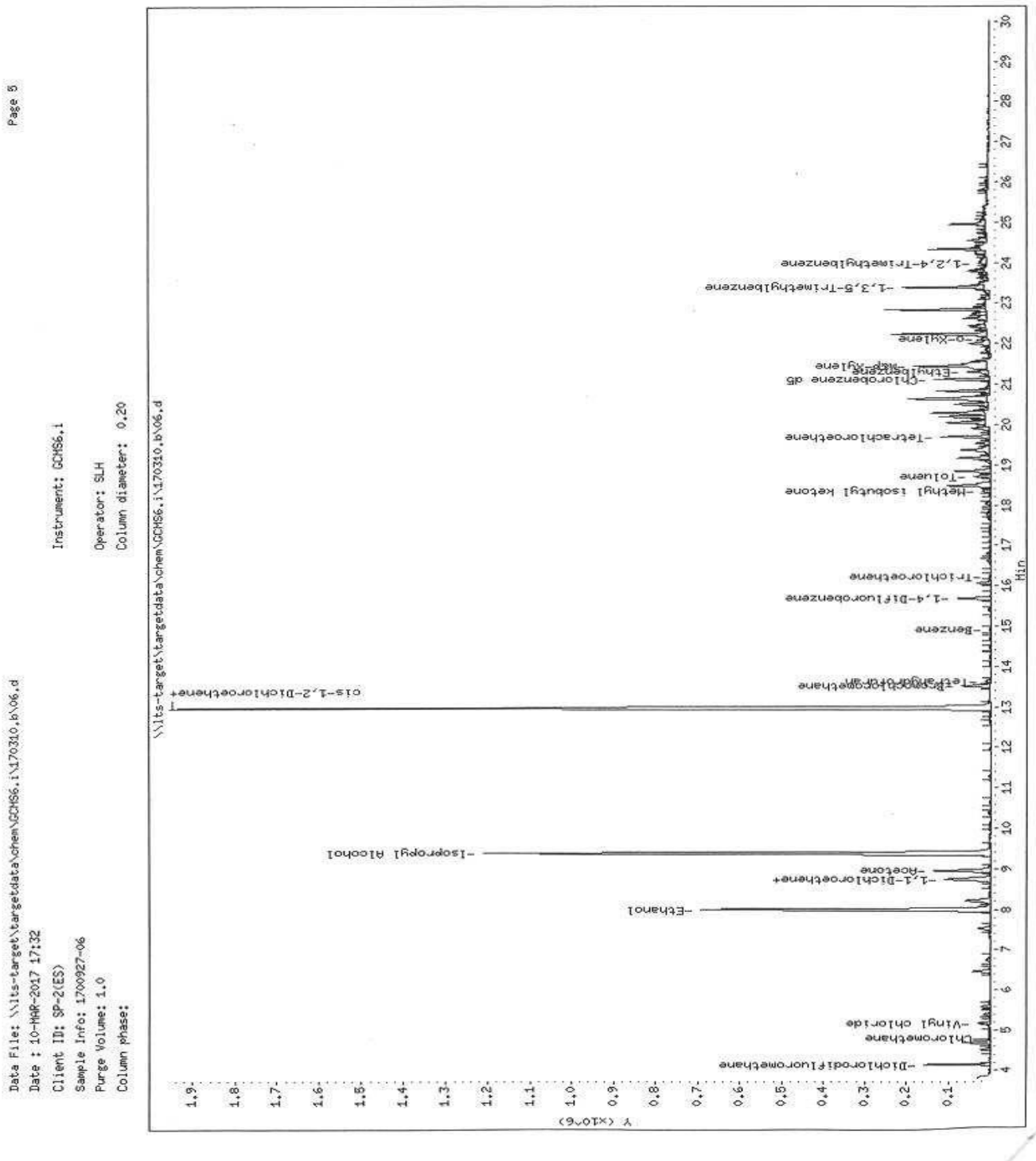

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Attachment 5

FIELD DATA SHEET 1 of 2 (REVISED 4/13/10)

CLIENT NAME: CITY OF ROCHESTER
PROJECT ID: CRC
PROJECT NAME: MN BIO BUSINESS CENTER

DATE: 11/29/16
TIME:
RECORDED BY: ADK & JEG

2009 SYSTEM STARTUP INFORMATION

Startup Date: 6/29/2009 MS Discharge Totalizer: 68 Sump Discharge Totalizer: 200

NOTES - LEAVE VACUUM RELIEF VALVE SELECTOR SWITCH IN OFF POSITION
LEAVE AIR STRIPPER SELECTOR SWITCHES IN AUTO POSITION

CURRENT OPERATING WELL:

DPE WELL BLEED VALVE % OPEN:
DPE PUMP BLEED VALVE % OPEN:

ANALOG PANEL READINGS

DPE PUMP AIR FLOW (SCFM):
DPE WELL VACUUM (IN. HG):
DPE PUMP INLET VACUUM (IN. HG):
DPE PUMP OUTLET PRESSURE (PSI):
DPE PUMP OUTLET TEMP (DEG. F):
MS PUMP WATER FLOW (GPM):

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS):
MS PUMP (HRS):
MS VACUUM VALVE (HRS):
AIR STRIPPER BLOWER (HRS):
AIR STRIPPER PUMP (HRS):
DPE AIR FLOW (SCF):
MS PUMP WATER FLOW (GAL):
SUMP PUMP WATER FLOW (GAL):

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
✓MW-14	3	17.5	7.85
✓MW-15	4	18	10.98
✓MW-16	10	18	7.36
✓MW-17	7	25	10.44
✓MW-18	6	60	10.41
✓MW-19	1	20	10.57
✓MW-20	8	16.7	8.32
DPE-1	15	21.9	9.92
DPE-2	13	20.5	10.91
DPE-3	14	17.1	9.81
DPE-4	12	19.3	9.77
DPE-5	9	18.1	8.72
DPE-6	5	19.5	8.95
DPE-7	2	22.2	9.08
DPE-8	11	17.5	5.72
Sump	1	7.74	4.67

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG):
PRE-MANIFOLD VACUUM (IN. HG):
DPE WELL (PRE-MS-1) VACUUM (IN.HG):
POST-MS-1 VACUUM (IN. HG):
POST-MS-2 VACUUM (IN. HG):
DPE PUMP AIR FLOW (SCFM):
DPE EXHAUST PID CONC. (PPM):
DPE PUMP OUTLET PRESSURE (IN. H2O)):
DPE PUMP OUTLET TEMP (DEG. F):

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM):
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI):
MS PUMP FLOW TOTALIZER READING (GAL):

AS EXHAUST PRESSURE (IN. H20):
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
AS BLOWER PRESSURE (IN. H20):
AS EXHAUST PID (PPM):

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

OPERATING WATER LEVELS

DPE-1
DPE-2
DPE-3
DPE-4
DPE-5
DPE-6
DPE-7
DPE-8

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: Multiple Location Date: November 29, 2016

Station: Sample time:

Pumped	Multiple Sampling Log:	Water Level	Time/ Volume	Temp °C	Cond @ 25	pH	Eh/ ORP	D.O.	Well volume
	Location:	✓							
8 gallons	DPE-1: TD 22	9.92	1210	20.61	7578	6.67	-152.3	0.69	7.8
7 gallons	DPE-2: 20.5	10.91	1220	20.44	6081	7.29	-253.8	0.85	6.2
5 gallons	DPE-3: 17	9.81	1240	20.09	10159	7.07	-212.7	0.65	4.6
6 gallons	DPE-4: 19	9.77	1300	20.15	9137	6.52	-146.4	0.56	6.0
DRY	DPE-5: 18	8.92	1320	20.02	6571	6.57	-132.9	0.57	5.9
7 gallons	DPE-6: 19.5	8.95	1340	20.55	5649	7.49	-233.4	1.04	6.8
9 gallons	DPE-7: 22	9.08	1400	20.45	7145	6.57	-137.6	0.49	8.4
8 gallons	DPE-8: 17.5	5.72	1420	20.01	7808	7.69	-256.6	0.84	7.6
	Rate, gpm:								
	Volume purged:								
	Duplicate collected?								
	Sampled by:	AOK							
	Others present:	JBG			Well Condition				
	Analysis:	VOC filtered metal ml filter in-line filter others:							
	MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

CH4 & LEL 0.0 @ all locations

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-14 Date: November 29, 2016

Station: Sample time: 1030

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	7.85		20.04	2869	7.54	-235.9	0.74	
Water depth[1]:	9.65							
Well volume (gal):	1.5							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: Pumped dry - 1 volume						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-15 Date: November 29, 2016

Station: Sample time: 1045

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	10.98		20.89	1975	8.09	-234.1	0.35	
Water depth[1]:	~~8~~ 7.02							
Well volume (gal):	1.1							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 3 gallons removed						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number: CRC-14

Location: MW-16 Date: November 29, 2016

Station: Sample time: 1100

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	7.36		20.51	6364	6.76	-124.5	0.59	
Water depth[1]:	~~10.64~~ 10.64							
Well volume (gal):	1.7							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 5 gallons removed						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-17 Date: November 29, 2016

Station: 25 Sample time: 1115

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	10.44		20.25	3133	7.82	-212.1	0.36	
Water depth[1]:	14.56							
Well volume (gal):	2.3							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 7 gallons removed						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-18 Date: November 29, 2016

Station: Sample time: 1100

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	10.41		20.14	2391	7.29	-94.5	1.05	
Water depth[1]:	49.6							
Well volume (gal):	8							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 12 gallons removed						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							

MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-19 Date: November 29, 2016

Station: Sample time: 1145

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh/ ORP	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	10.57		18.01	6711	6.98	-100.7	0.54	
Water depth[1]:	9.43							
Well volume (gal):	1.5							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 5 gallons Removed						
Sampled by:	ADK							
Others present:	SEG			Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-20 Date: November 29, 2016

Station: Sample time: 11:55

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	8.32		19.16	8604	7.61	-194.8	0.42	
Water depth[1]:	8.38							
Well volume (gal):	1.3							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 3 gallons dry						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

FIELD DATA SHEET 1 of 2 (REVISED 4/13/10)

CLIENT NAME: CITY OF ROCHESTER
PROJECT ID: CRC
PROJECT NAME: MN BIO BUSINESS CENTER

DATE: 1/30/12
TIME: 8:50
RECORDED BY: ADK

2009 SYSTEM STARTUP INFORMATION
Startup Date: 6/29/2009 MS Discharge Totalizer: 68 Sump Discharge Totalizer: 200

NOTES - LEAVE VACUUM RELIEF VALVE SELECTOR SWITCH IN OFF POSITION
LEAVE AIR STRIPPER SELECTOR SWITCHES IN AUTO POSITION

CURRENT OPERATING WELL:
DPE WELL BLEED VALVE % OPEN:
DPE PUMP BLEED VALVE % OPEN:

ANALOG PANEL READINGS
DPE PUMP AIR FLOW (SCFM):
DPE WELL VACUUM (IN. HG):
DPE PUMP INLET VACUUM (IN. HG):
DPE PUMP OUTLET PRESSURE (PSI):
DPE PUMP OUTLET TEMP (DEG. F):
MS PUMP WATER FLOW (GPM):

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS):
MS PUMP (HRS):
MS VACUUM VALVE (HRS):
AIR STRIPPER BLOWER (HRS):
AIR STRIPPER PUMP (HRS):
DPE AIR FLOW (SCF):
MS PUMP WATER FLOW (GAL):
SUMP PUMP WATER FLOW (GAL):

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	7.62
MW-15	4	18	11.33
MW-16	10	18	8.20
MW-17	7	25	10.68
MW-18	6	60	10.75
MW-19	1	20	10.79
MW-20	8	16.7	8.67
DPE-1	15	21.9	11.96
DPE-2	13	20.5	10.93
DPE-3	14	17.1	9.58
DPE-4	12	19.3	10.61
DPE-5	9	18.1	10.25
DPE-6	5	19.5	9.14
DPE-7	2	22.2	8.89
DPE-8	11	17.5	7.71
Sump	1	7.74	4.69

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG):
PRE-MANIFOLD VACUUM (IN. HG):
DPE WELL (PRE-MS-1) VACUUM (IN.HG):
POST-MS-1 VACUUM (IN. HG):
POST-MS-2 VACUUM (IN. HG):
DPE PUMP AIR FLOW (SCFM):
DPE EXHAUST PID CONC. (PPM):
DPE PUMP OUTLET PRESSURE (IN. H2O)):
DPE PUMP OUTLET TEMP (DEG. F):

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM):
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI):
MS PUMP FLOW TOTALIZER READING (GAL):

AS EXHAUST PRESSURE (IN. H20):
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
AS BLOWER PRESSURE (IN. H20):
AS EXHAUST PID (PPM):

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

OPERATING WATER LEVELS
DPE-1
DPE-2
DPE-3
DPE-4
DPE-5
DPE-6
DPE-7
DPE-8

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: Multiple Location Date: 1/30/2017

Station: Sample time:

Multiple Sampling Log:	SWL	Time/ Volume	Temp. °C	Cond @ 25	pH	Eh	D.O.	
Location:								
DPE-1:	11.96		20.29	6586	5.73	-52.1	0.10	
DPE-2:	10.93		20.11	5968	6.06	-69.6	0.14	
DPE-3:	9.58		19.95	9072	5.79	-49.9	0.16	
DPE-4:	10.61		20.35	7589	5.76	-56.7	0.19	
DPE-5:	10.25		20.07	6842	5.79	-47.6	0.09	
DPE-6:	9.14		20.04	6024	6.31	-82.0	0.09	
DPE-7:	8.89		20.04	6812	6.33	-93.7	0.10	
DPE-8:	7.71		19.64	8848	6.45	-82.3	0.23	
Rate, gpm:								
Volume purged:								
Duplicate collected?								
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

LEL & CH_4 Readings

LSG-7	0.0	0.0
LSG-8	0.0	0.0
LSG-9	0.0	0.0
LSG-10	0.0	0.0
V-1	0.0	0.0
V-2	0.0	0.0
V-3	0.0	0.0
V-4	0.0	0.0

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-14 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	7.62		19.59	3218	5.98	-71.1	0.23	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:	Cloudy					
Volume purged:		Sample appearance:	Cloudy					
Duplicate collected?		Comments:						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-15 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	11.37		20.16	2263	7.27	-146.3	0.27	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:		Black				
Volume purged:	4 gal	Sample appearance:		Black				
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number: CRC-14

Location: MW-16 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	8.20		20.21	5381	6.14	-88.2	0.23	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:		cloudy				
Volume purged:	4.5 gallons DY	Sample appearance:		cloudy				
Duplicate collected?		Comments:						
Sampled by:	ADK							
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-17 Date: 1/30/2017

Station: 25 Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	10.68		19.92	2394	6.73	-108.7	0.29	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:		Cloudy / brown				
Volume purged:	10 gallons	Sample appearance:		Clear				
Duplicate collected?		Comments:						
Sampled by:	ADL							
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-18 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh / ORP	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	10.75		19.97	1885	6.39	-10.8	0.09	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:	cloudy					
Volume purged:	15 gallons	Sample appearance:	clear					
Duplicate collected?		Comments:						
Sampled by:	ADR							
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-19 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	10.99		18.04	6131	6.83	-64.3	0.16	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester

Project Name: CRC Project Number:

Location: MW-20 Date: 1/30/2017

Station: Sample time:

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	8.17		18.92	8546	7.02	-96.5	0.09	
Water depth[1]:								
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

[1] Measurements are referenced from top of riser pipe, unless otherwise indicated.