August 2, 2012

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

Re: Quarterly Groundwater Monitoring and Dual Phase Extraction System Effectiveness Report
MN Bio Business Center, Rochester, MN

Dear Mr. Timm and Mr. Olson:

On behalf of the City of Rochester (City) Administration Department, Landmark Environmental, LLC (Landmark) has prepared this letter to present a status update for the dual phase extraction (DPE) system installed at the above referenced property (Property), as shown in Figure 1.

Introduction

This report documents the monthly DPE system operational and analytical data from the May 17, 2012 to June 14, 2012 monitoring events, as well as quarterly groundwater monitoring data from samples collected on May 17, 2012.

Until September 8, 2011, the DPE system operated sequentially at all of the DPE system wells after being switched from continuous operation at DPE-1 on October 15, 2009. During this time, the DPE system was programmed to operate on each well for 45 minutes before switching to the next well, a process taking 6 hours to complete one full cycle. On September 8, 2011, the DPE system operational configuration was switched to focus on DPE-1, DPE-2, DPE-3, and DPE-4, based on DPE well perchloroethene (PCE) analytical results and photo-ionization detector readings from the August 28, 2011, monitoring event. During one full 6-hour cycle, DPE-1, DPE-2, DPE-3, and DPE-4 each operate for 85 minutes before switching to the next well, while DPE-5, DPE-6, DPE-7, and DPE-8 each operate for 5 minutes before switching to the next well. DPE-5, DPE-6, DPE-7, and DPE-8 were kept in the 6 hour cycle to help prevent the solenoid valves from deteriorating if left off for a long period of time. The air sample collection method during sequential operation of the DPE system wells consists of a composite Summa canister utilizing a 6-hour flow control valve. The DPE system well locations and equipment layout are provided in Figures 2 and 3, respectively. A system operation and maintenance summary table is included as Table 1.

System Operational Results

When comparing the June 14, 2012, concentrations to the baseline emissions data from April 9, 2009, the total volatile organic compound (VOC) concentration has decreased from 14,613,880 micrograms per cubic meter (ug/m^3) to 41,142 ug/m^3, a decrease of 99.7 percent (See Figures 4A and 4B, and Tables 2 and 3). PCE concentrations decreased from 11,600,000 ug/m^3 to 11,200 ug/m^3, a decrease of 99.9 percent from the baseline concentration (See Figures 4A and 4B, and Tables 2 and 3). The PCE concentrations from the June 14, 2012, sampling events decreased from the July 26, 2010, concentrations as shown in Figure 4B.

As a result of switching the DPE system to focus on DPE-1, DPE-2, DPE-3, and DPE-4 on September 8, 2011, the total VOC concentration increased from 8,866 ug/m^3 on August 28, 2011, to concentrations as high as 106,710 ug/m^3 on October 27, 2011, and 268,469 ug/m^3 on January 27, 2011. However, on June 14, 2012, the VOC concentrations have decreased to 41,142 ug/m^3. The PCE concentration increased from 0 ug/m^3 on August 28, 2011, to concentrations as high as 29,100 ug/m^3 on January 27, 2011. On June 14, 2012, the PCE concentration was 11,200 ug/m^3.

During this reporting period, the DPE system removed approximately 8 pounds of total VOCs, including approximately 3 pounds of PCE, from April 17, 2012, through June 14, 2012 (see Figure 5 and Table 2). Through June 14, 2012, the DPE system has removed a total of 3,467.15 pounds of total VOCs and 2,644.22 pounds of PCE. Emissions analytical data is provided in Table 3 and system operational data tables and field data sheets are provided in Attachment A. The emissions analytical reports are included in Attachment B.

The Minnesota Pollution Control Agency's (MPCA's) Petroleum Remediation (PR) Program spreadsheet was used to evaluate the emissions rates from the DPE system and air stripper stacks on the Property during the DPE system sampling event. The site specific emissions rates for PCE from May 17, 2012, through June 14, 2012, were below the MPCA screening emissions rate (SER) for chronic risk of 16,300 micrograms per second (ug/s), and for acute risk of 5,980,000 ug/s. The PR emissions rates are provided in Table 4 and the PR spreadsheets are provided in Attachment C.

The cumulative total VOC mass removed from the DPE system groundwater discharge during air stripper operation through June 14, 2012 was 0.59 pounds. The effluent groundwater discharge concentrations were below the City's Water Reclamation Plant discharge criteria of 2,130 ug/L. Mass removal data from the groundwater treatment system is provided in Table 5 and the groundwater discharge analytical data is included in Table 6. The groundwater discharge analytical reports are provided in Attachment B.

The groundwater hydrographs for the DPE and monitoring wells generally showed a decreasing trend from May 17 through June 14, 2012 (see Figures 6, 7, and 8). The groundwater elevation data is provided in Table 7. Well construction information is provided in Table 8.

Groundwater Monitoring Results

Quarterly groundwater sampling was conducted on May 17, 2012. After approximately three years of DPE system operation, the PCE concentrations have decreased at all of the monitoring and DPE wells (see Figures 9A and 9B, and Table 9). The associated percent decrease of PCE concentration at each well, when compared to baseline groundwater concentrations, is listed as follows: MW-14 (100.0%), MW-15 (100.0%), MW-16 (99.9%), MW-17 (89.8%), MW-18 (99.4%), MW-19 (54.2%), MW-20 (95.2%), DPE-1 (100.0%), DPE-2 (99.5%), DPE-3 (97.6%), DPE-4 (99.4%), DPE-5 (99.2%), DPE-6 (100.0%) and DPE-7 (100.0%). DPE-8 was not sampled during the May 17, 2012, monitoring event because the well was dry and would not generate any groundwater. Increased concentrations of PCE, when compared to the February 16, 2012 groundwater data were observed at DPE-1 and DPE-3. Figure 10 shows the iso-concentration contour map for PCE during the May 17, 2012, sampling event. The groundwater analytical results are included in Table 10 and the groundwater analytical reports are included in Attachment B. Groundwater monitoring field data sheets are included in Attachment A.

Per the MPCA's approval, analysis of the following natural attenuation parameters has been discontinued:

dissolved calcium, dissolved organic carbon, dissolved iron, dissolved magnesium, methane, nitrate as N, sulfate, and sulfide. The natural attenuation data collected prior to the MPCA's approval is provided in Table 11. The following field parameter data is still collected at each well on a quarterly basis: temperature, conductivity, pH, oxidation reduction potential, and dissolved oxygen (See Table 12).

Conclusions

After analyzing the data from the monthly DPE system and quarterly groundwater monitoring and sampling events, the following conclusions can be made:

- The DPE system is operating as designed and has removed a significant amount of VOCs since system startup in June 2009.
- Through June 14, 2012, the DPE system removed 3,467 pounds of total VOCs, including 2,644 pounds of PCE from the subsurface.
- When comparing the June 14, 2012, concentrations to the baseline emissions data from April 9, 2009, the total VOC and PCE concentrations have decreased 99.7 percent and 99.9 percent, respectively.
- The DPE system removed 7.97 pounds of total VOCs, including 3.12 pounds from PCE, from May 17, 2012, through June 14, 2012.
- A decrease in total VOC and PCE concentrations and mass removal was observed during this reporting period when compared to the concentration increases that resulted from switching the DPE system operational configuration on September 8, 2011, to focus on DPE-1, DPE-2, DPE-3, and DPE-4.
- During this reporting period, the site specific emissions rates for PCE were below the MPCA's PR Program acute and chronic emissions criteria.
- The DPE system has continued to effectively lower the groundwater elevations on the Property, while increasing the mass of VOCs and PCE removed.
- DPE system operation has effectively decreased the concentrations of PCE in the groundwater at the following wells: MW-14 (100.0%), MW-15 (100.0%), MW-16 (99.9%), MW-17 (89.8%), MW-18 (99.4%), MW-19 (54.2%), MW-20 (95.2%), DPE-1 (100.0%), DPE-2 (99.5%), DPE-3 (97.6%), DPE-4 (99.4%), DPE-5 (99.2%), DPE-6 (100.0%) and DPE-7 (100.0%).

Recommendations

Based on the groundwater concentrations and PID readings observed during this reporting period, Landmark recommends switching the operational configuration of the DPE system to focus on DPE-3. DPE-3 currently has the highest groundwater concentration of PCE (3,690 ug/L). The next highest groundwater concentration of PCE is 223 ug/L at DPE-4. After decreasing the PCE groundwater concentration at DPE-3, Landmark will recommend temporarily shutting down the DPE system for 30 to 60 days. The purpose for shutting down the DPE system will be to 1.) conduct soil vapor sampling as

outlined in the Soil Vapor Sampling Work Plan (Work Plan) submitted to the MPCA on May 2, 2012; and, 2.) to restart and resample the DPE system to evaluate potential rebound VOC concentrations in the DPE system emissions. The Work Plan requires the DPE system to be shut down for 30 days before soil vapor sampling activities can be completed. The DPE system operational and groundwater results will be evaluated after resampling the system to determine if continued DPE system operation is necessary or if the system can be permanently shut down and replaced by operation of the passive venting system. If additional DPE system operation is required, the system will be cycled to alternate 30-day system operation periods, with 30-day shutdown periods for further evaluation of emissions rebound.

If you have any questions or require additional information, please feel free to contact me at jskramstad@landmarkenv.com and (952) 887-9601, extension 205.

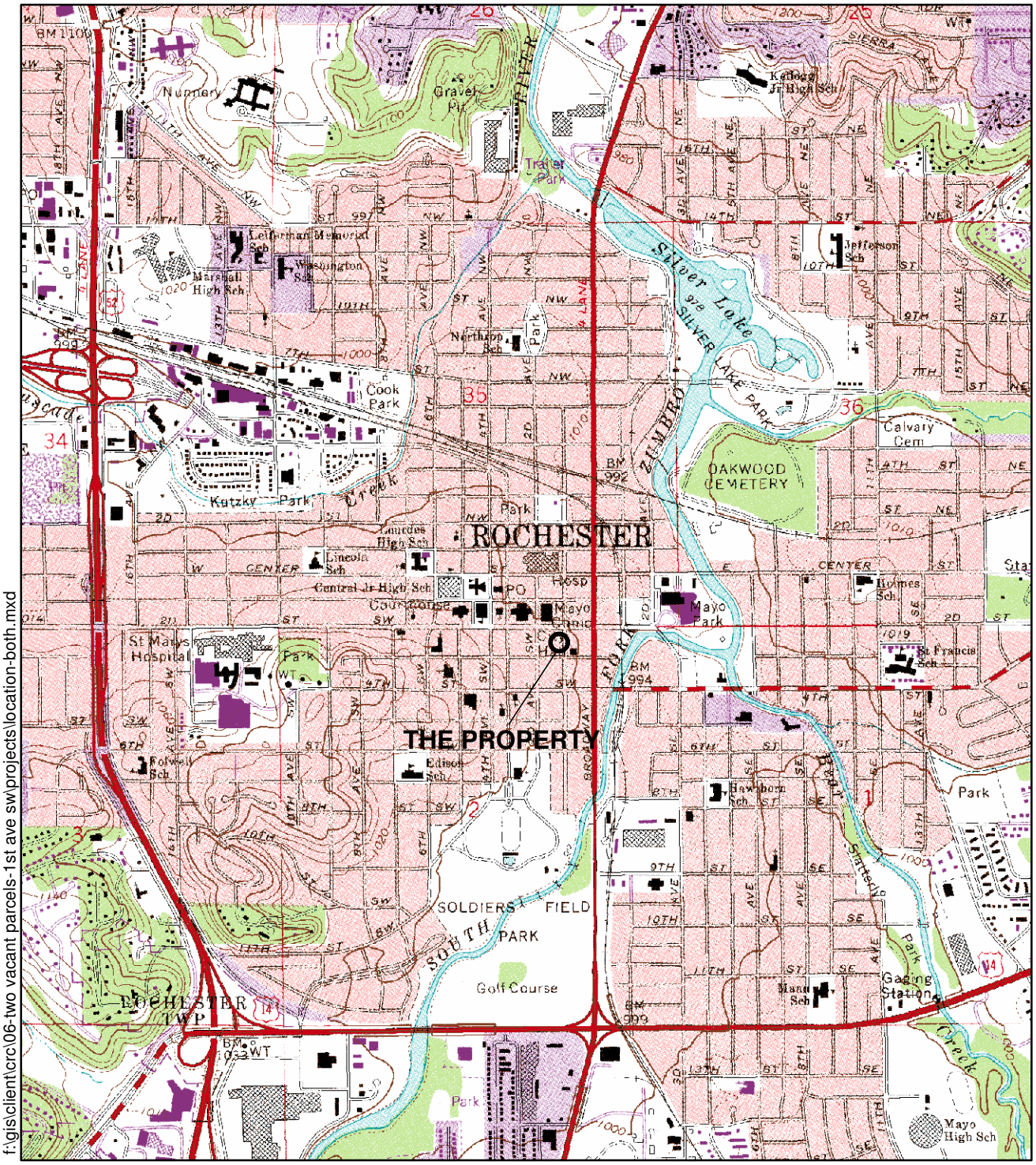
Sincerely,

Jason D. Skramstad, P.E.

Cc: Terry Spaeth, City of Rochester

F:\PROJECTS\Crc-City of Rochester\Monthly System Reports\20120703 DPE GW\20120529 DPE GW Quartery Report.doc

Figures



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

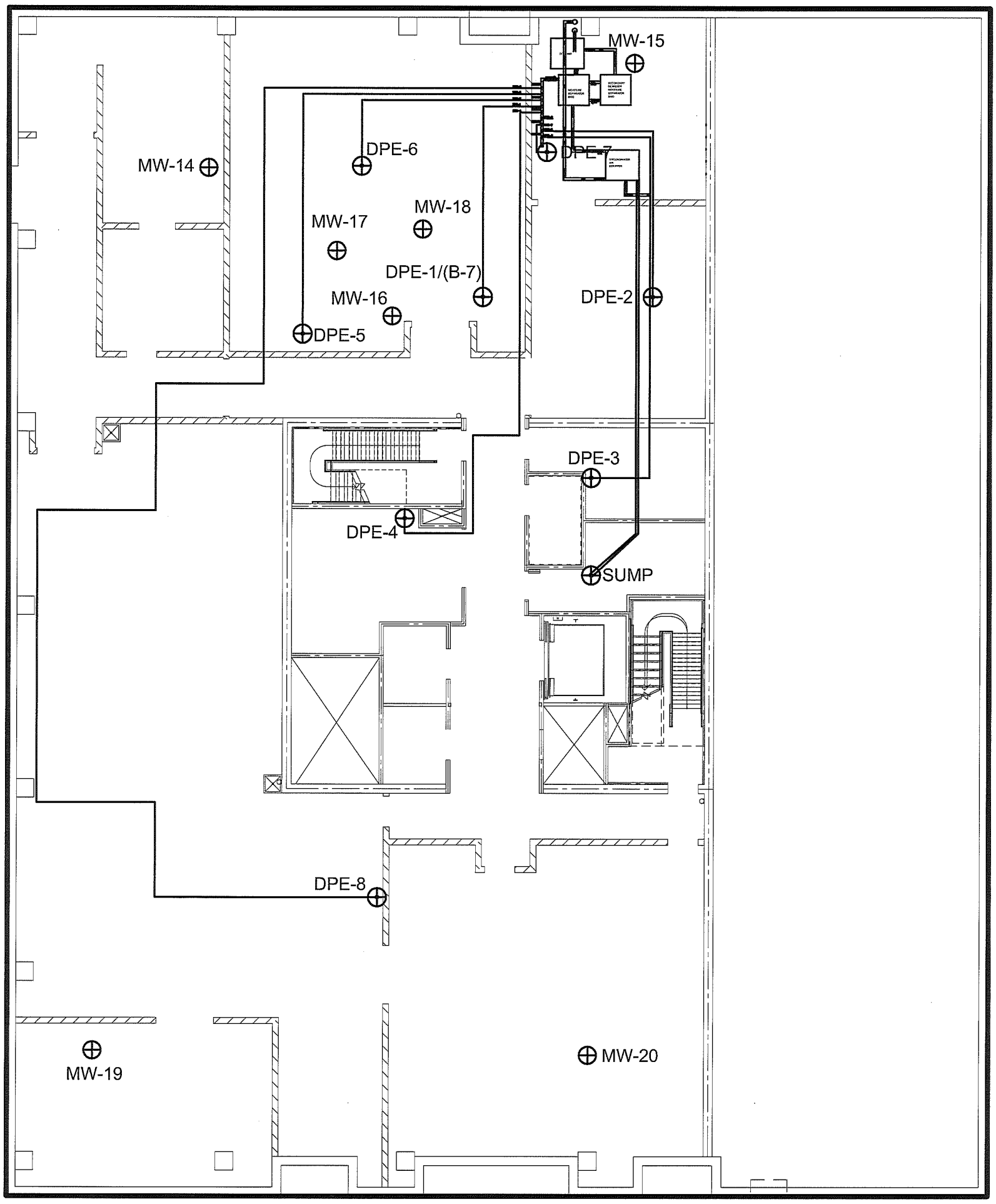
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

N

2,000 1,000 0 2,000 Feet

FIGURE 1

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



BASEMENT FLOOR PLAN

LEGEND

⊕ DPE, Monitoring Well, or Sump Location

DPE Piping Location

Property Boundary

N

20 feet
SCALE

BASE DRAWINGS PROVIDED BY HGA
F:/Projects/CRC/CAD/basement planview\DPE AS Layout.dwg

Rev	Date	By	Description

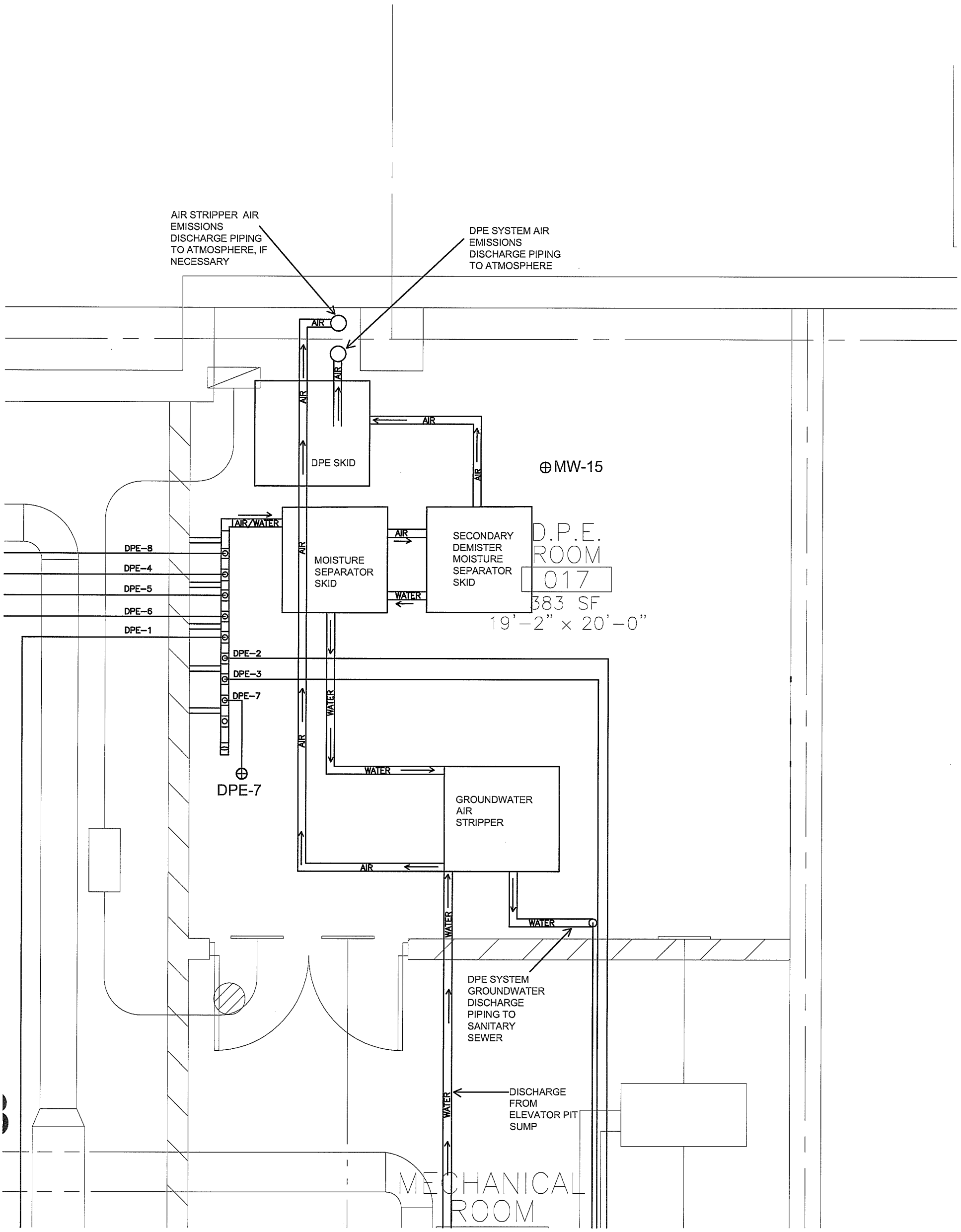
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 2

DPE SYSTEM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC		
Drawn: JDS	Checked: JDS	Designed: JDS
Scale: .	Date: 7/9/2009	Revision:
Drawing Number: .	Sheet . Of .	Sheets .



LEGEND

N

Existing DPE Piping Location

AIR — Proposed Air Emissions Piping Location

WATER — Proposed Groundwater Discharge Piping Location

1 in = 3 ft
APPROXIMATE SCALE

BASEDRAWINGS PROVIDED BY HGA
F:/Projects/CRC/CAD/basement planview/20070829 DPE System/20100413 DPE Room.dwg

Rev	Date	By	Description

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

FIGURE 3

DPE ROOM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC		
Drawn: JDS	Checked: JDS	Designed: JDS
Scale: 1:3	Date: 4/13/2010	Revision: .
Drawing Number: .	Sheet Of	Sheets

FIGURE 4A

DPE EMISSIONS CONCENTRATIONS-JUNE 2009 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

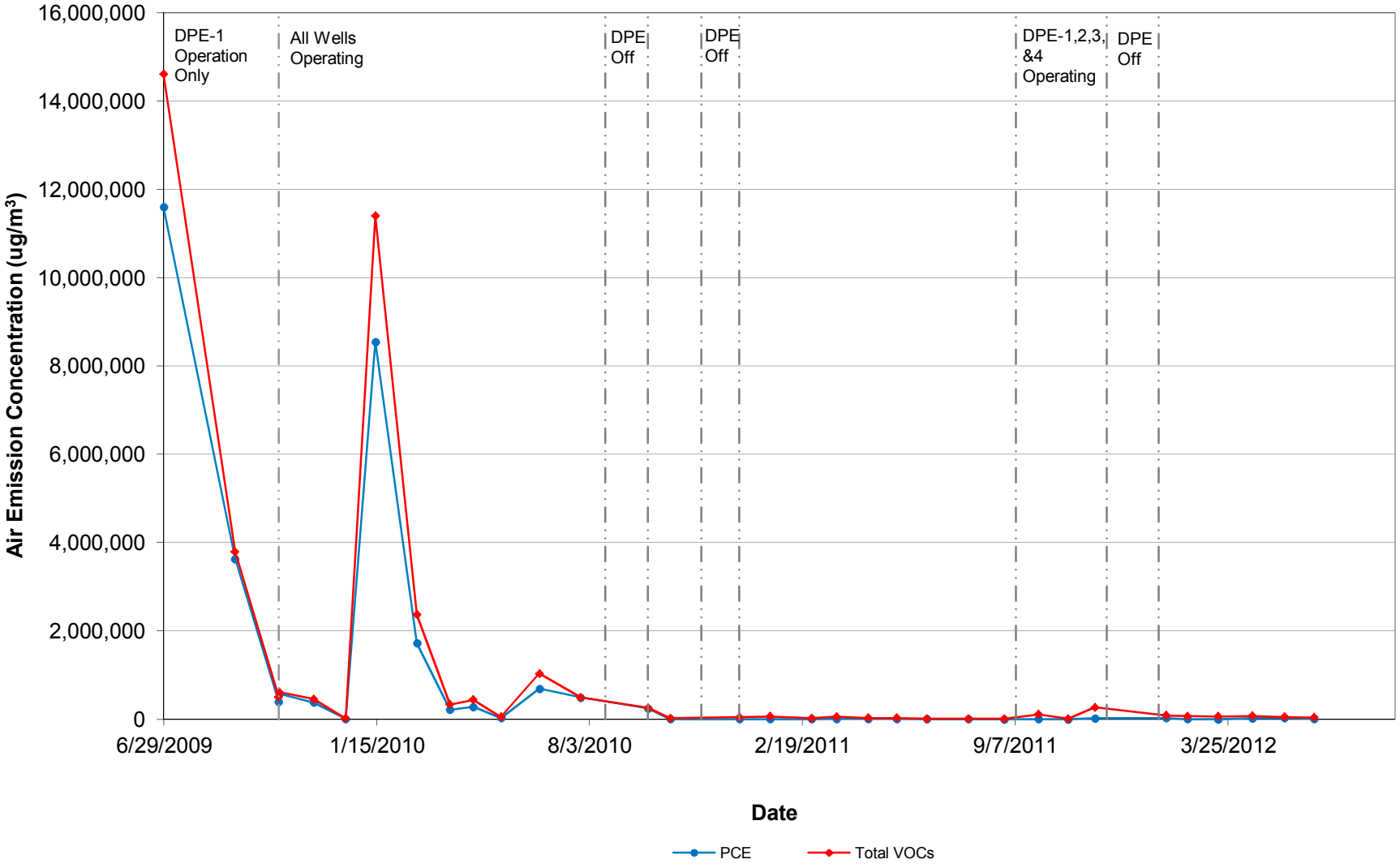


FIGURE 4B

DPE EMISSIONS CONCENTRATIONS - JULY 2010 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

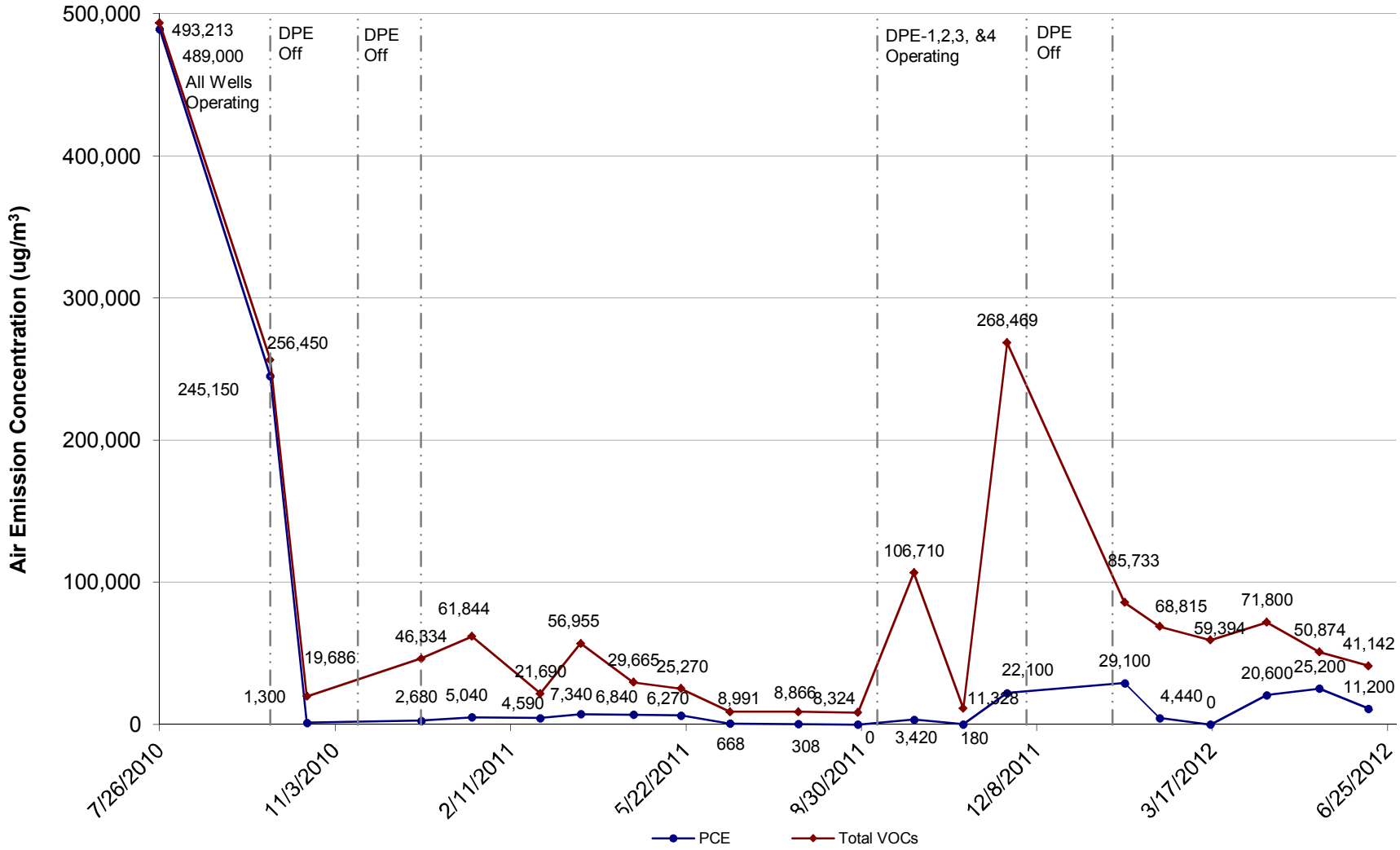


FIGURE 5

CUMULATIVE MASS REMOVED
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

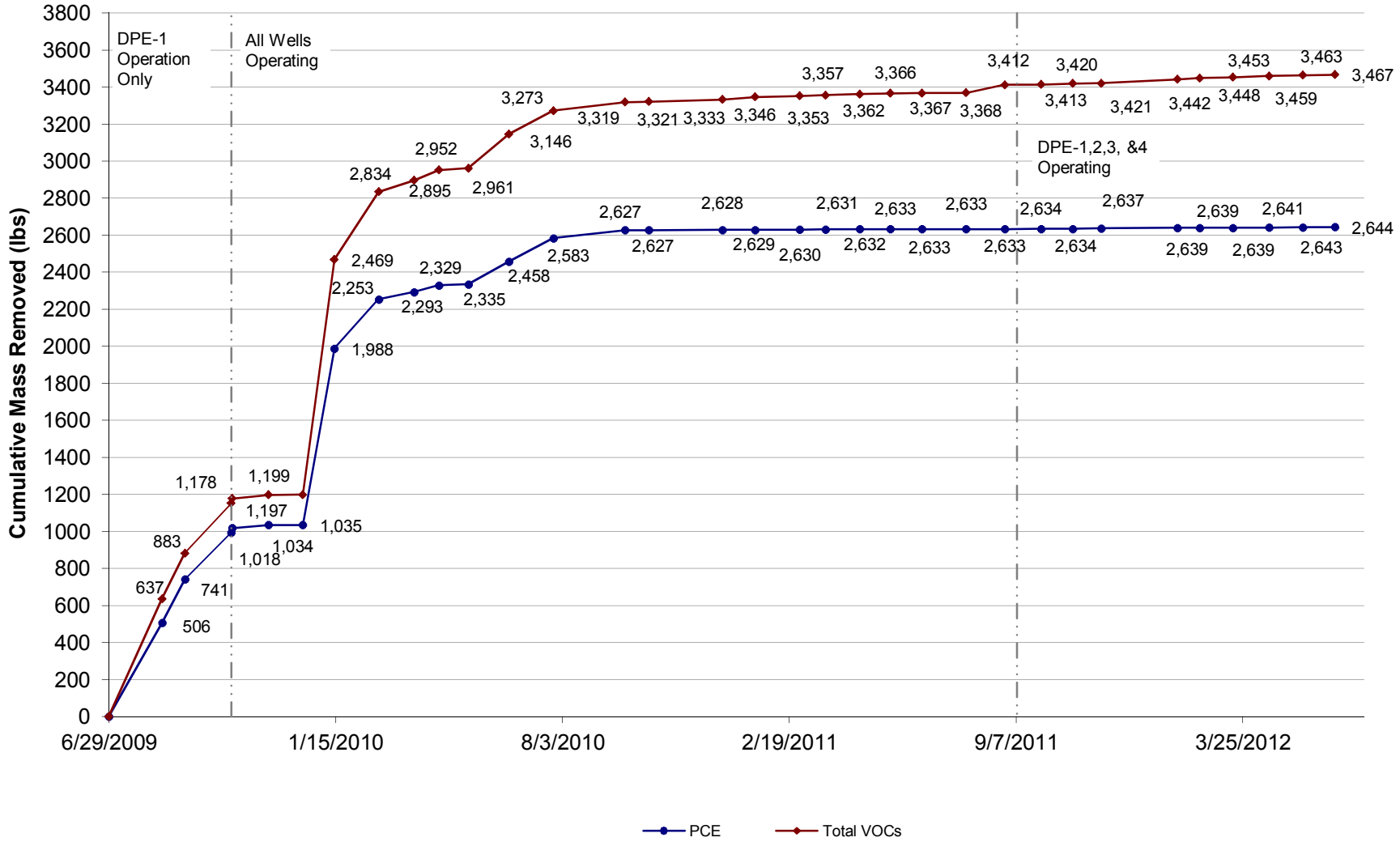


FIGURE 6

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

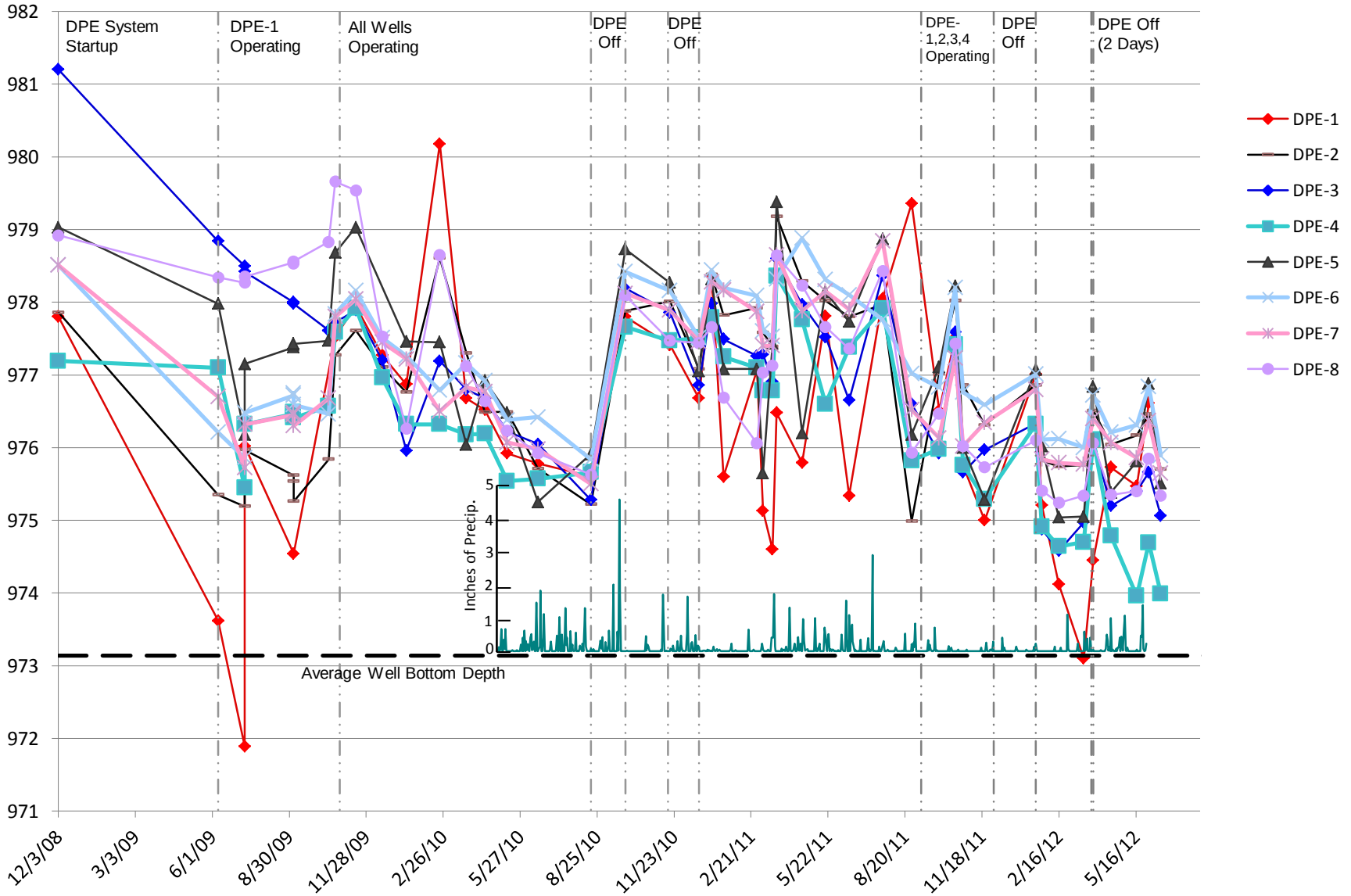
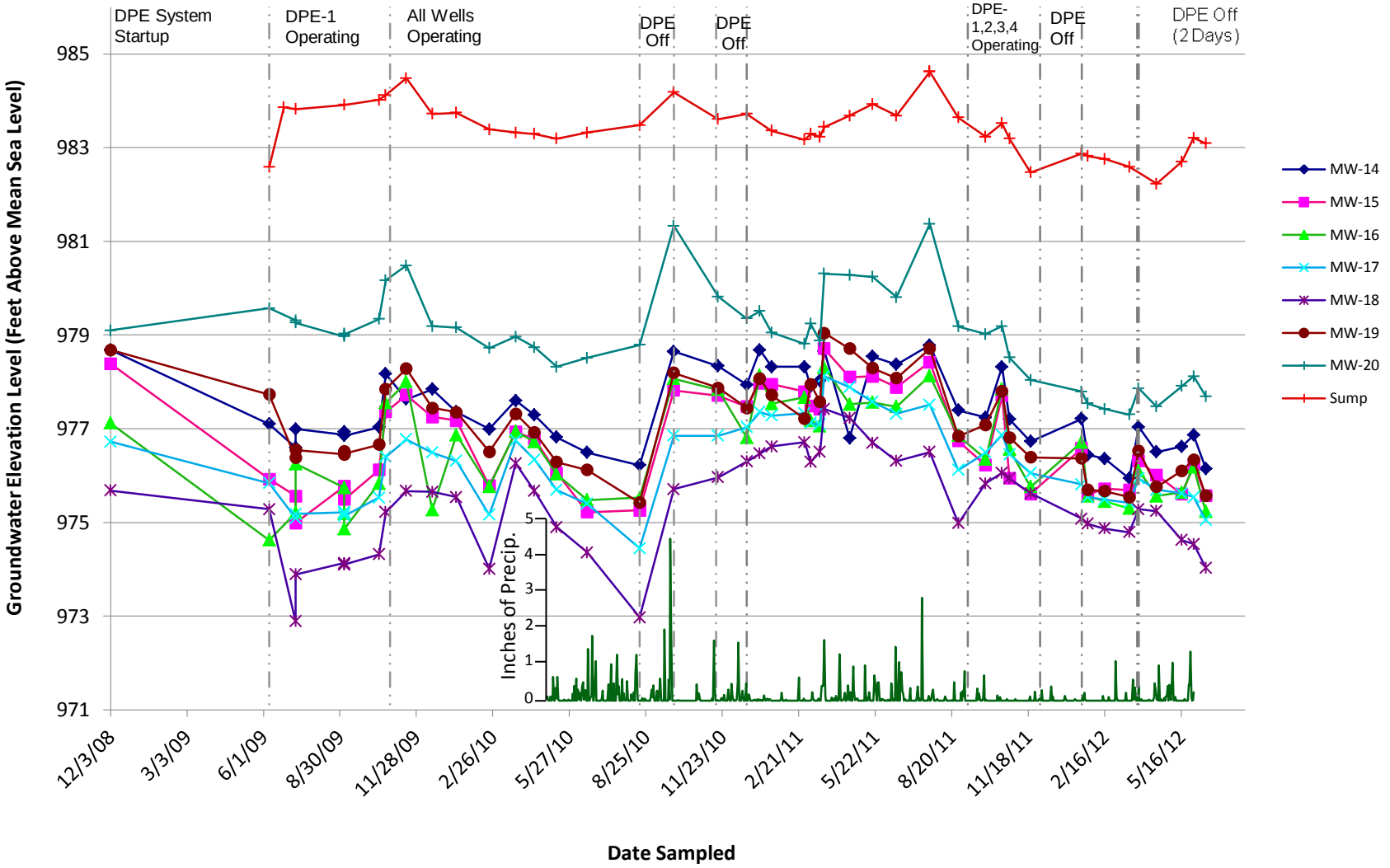
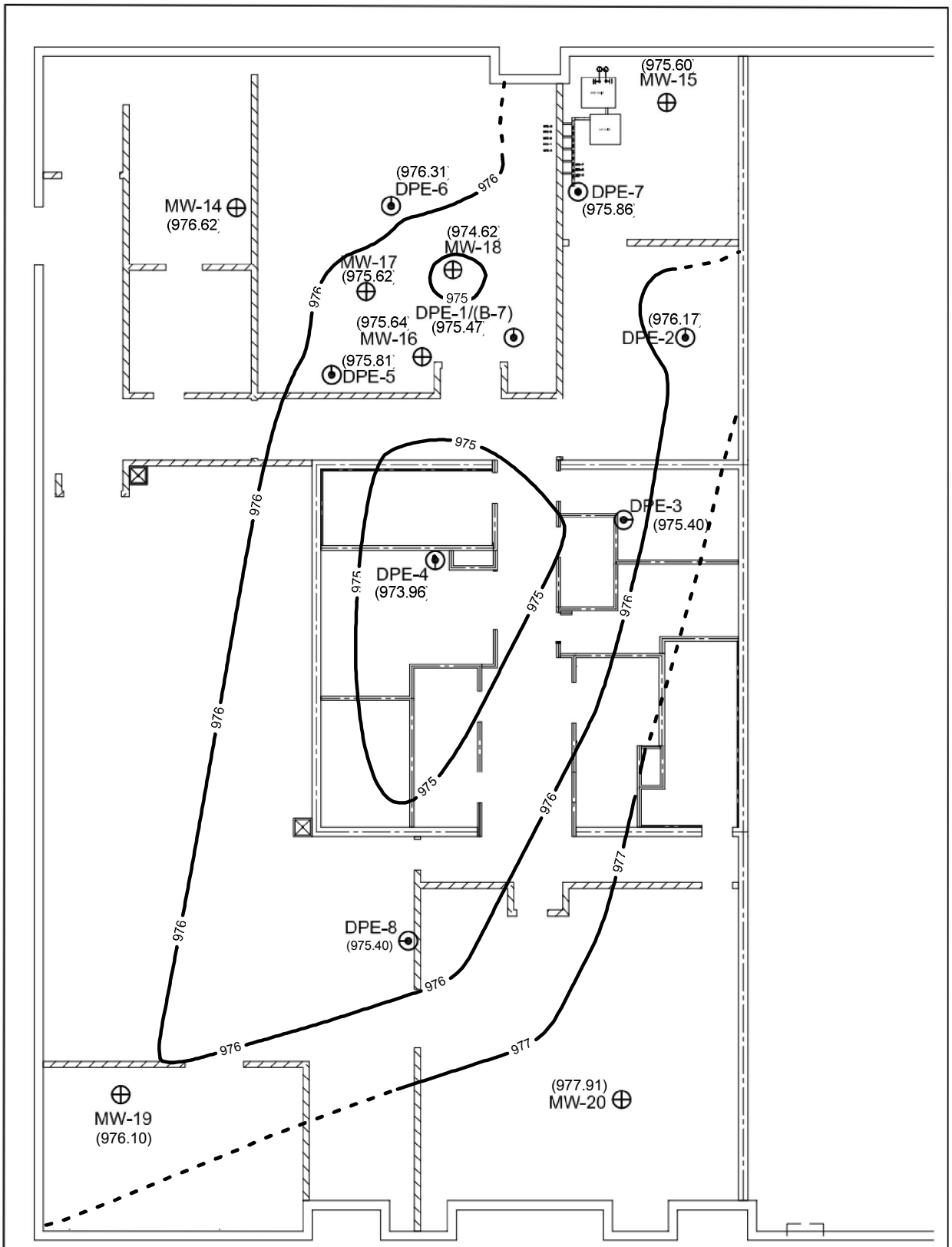


FIGURE 7

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





LEGEND

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

N

10 feet
SCALE

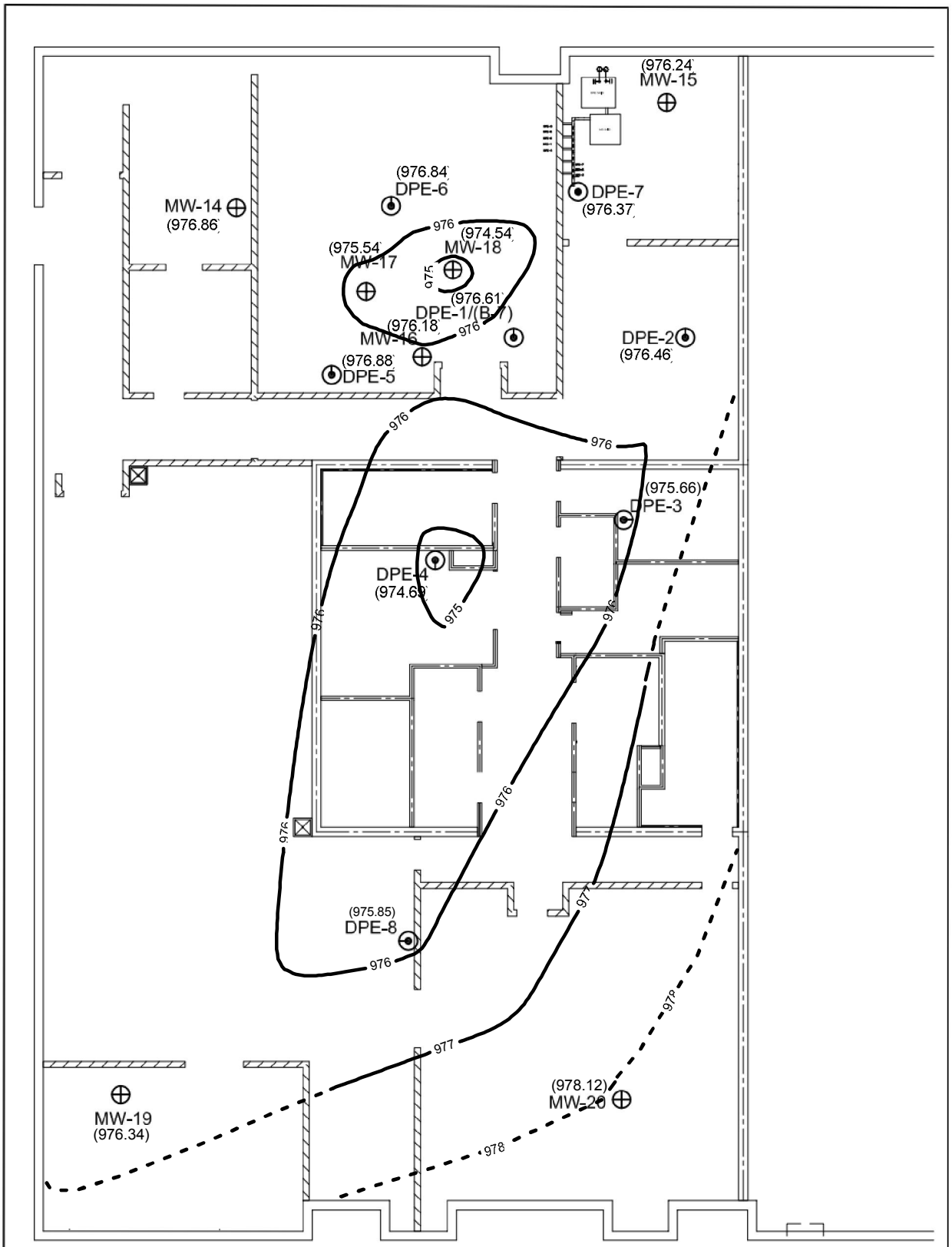
BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Stree
Bloomington, MN 5543

FIGURE 8
GROUNDWATER FLOW INTERPRETATION
May 17, 2012
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: . 5/6/2012	Revision:	
Drawing Number: .		Sheet Of .	Sheets .



LEGEND

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

N

10 feet
SCALE

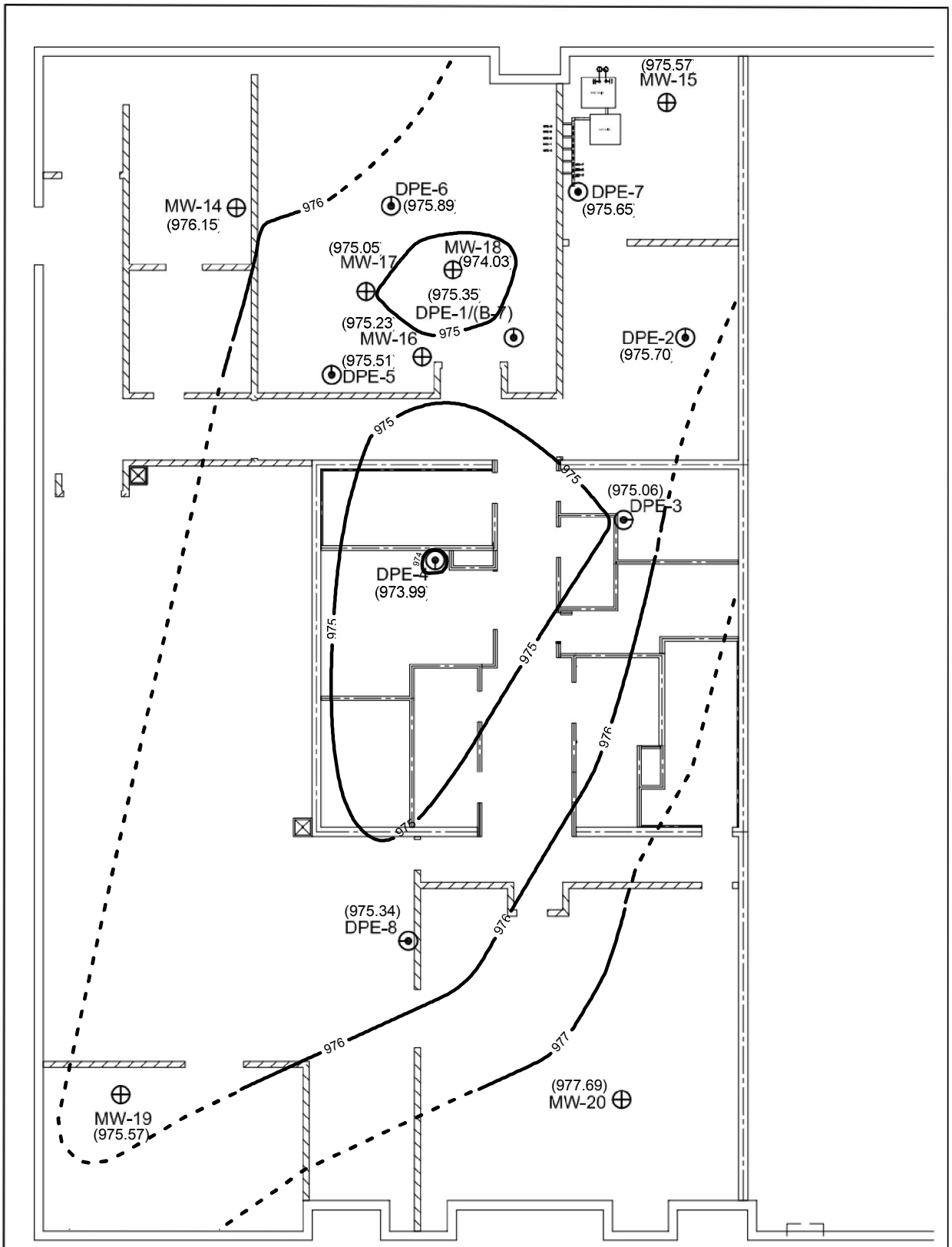
BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Stree
Bloomington, MN 5543

FIGURE 8E
GROUNDWATER FLOW INTERPRETATION
May 31, 2012
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC
Drawn: KAB | Checked: JDS | Designed: JDS
Scale: . | Date: . 5/6/2012 | Revision:
Drawing Number: . | Sheet Of Sheets



LEGEND

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

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Stree
Bloomington, MN 5543

FIGURE 8C
GROUNDWATER FLOW INTERPRETATION
June 14, 2012
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: . 6/14/2012	Revision:	
Drawing Number: .		Sheet Of	Sheets .

FIGURE 9A

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

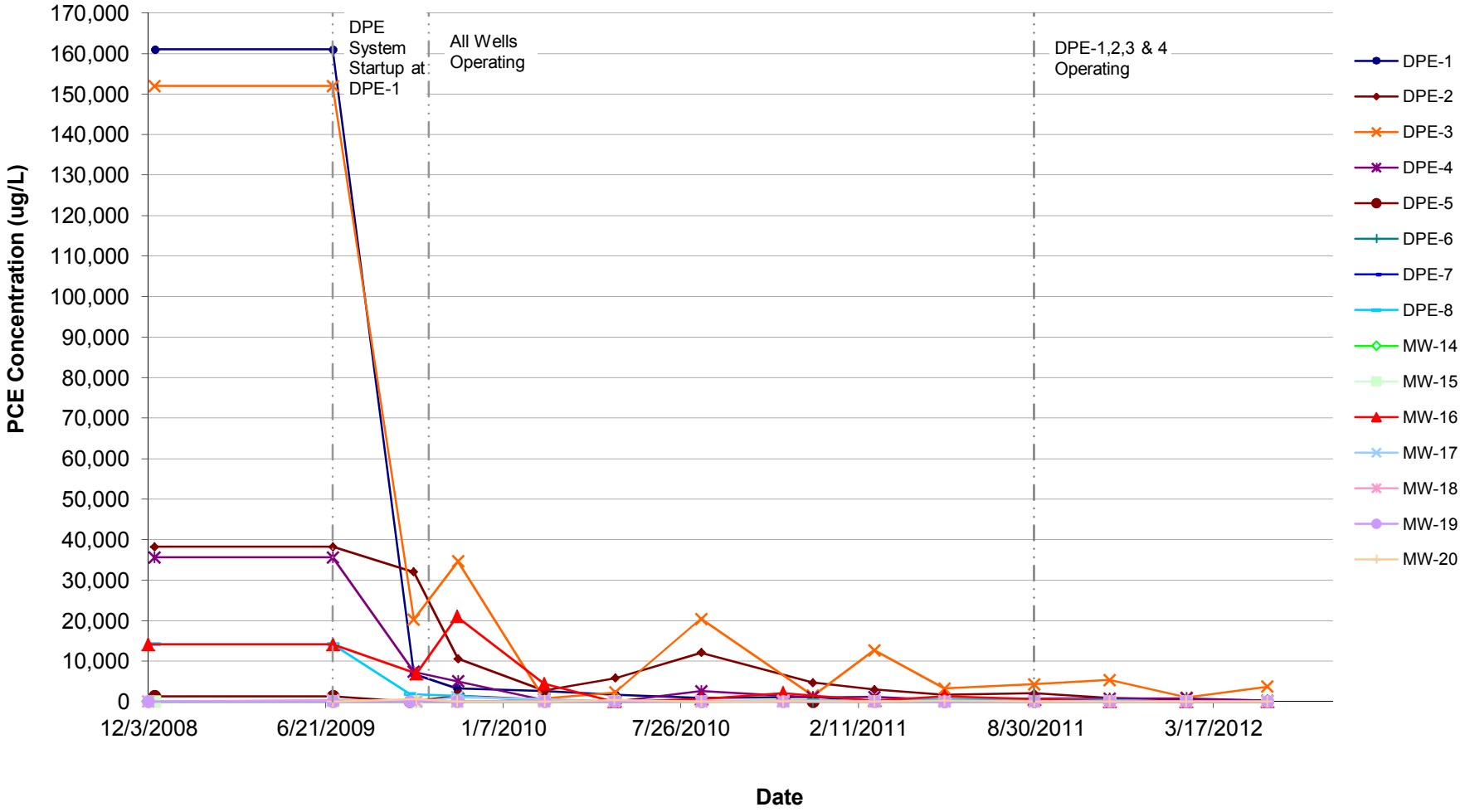
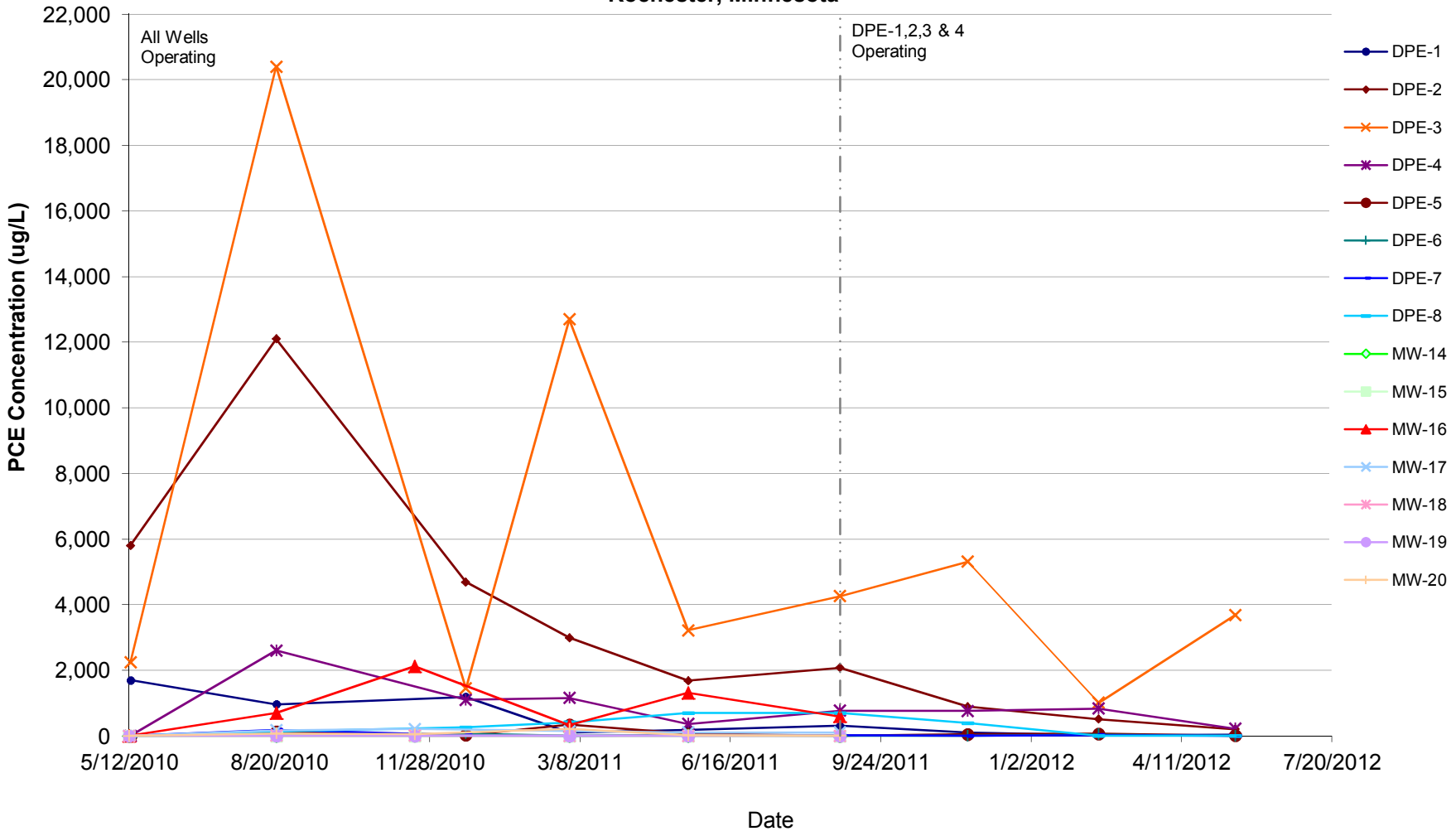
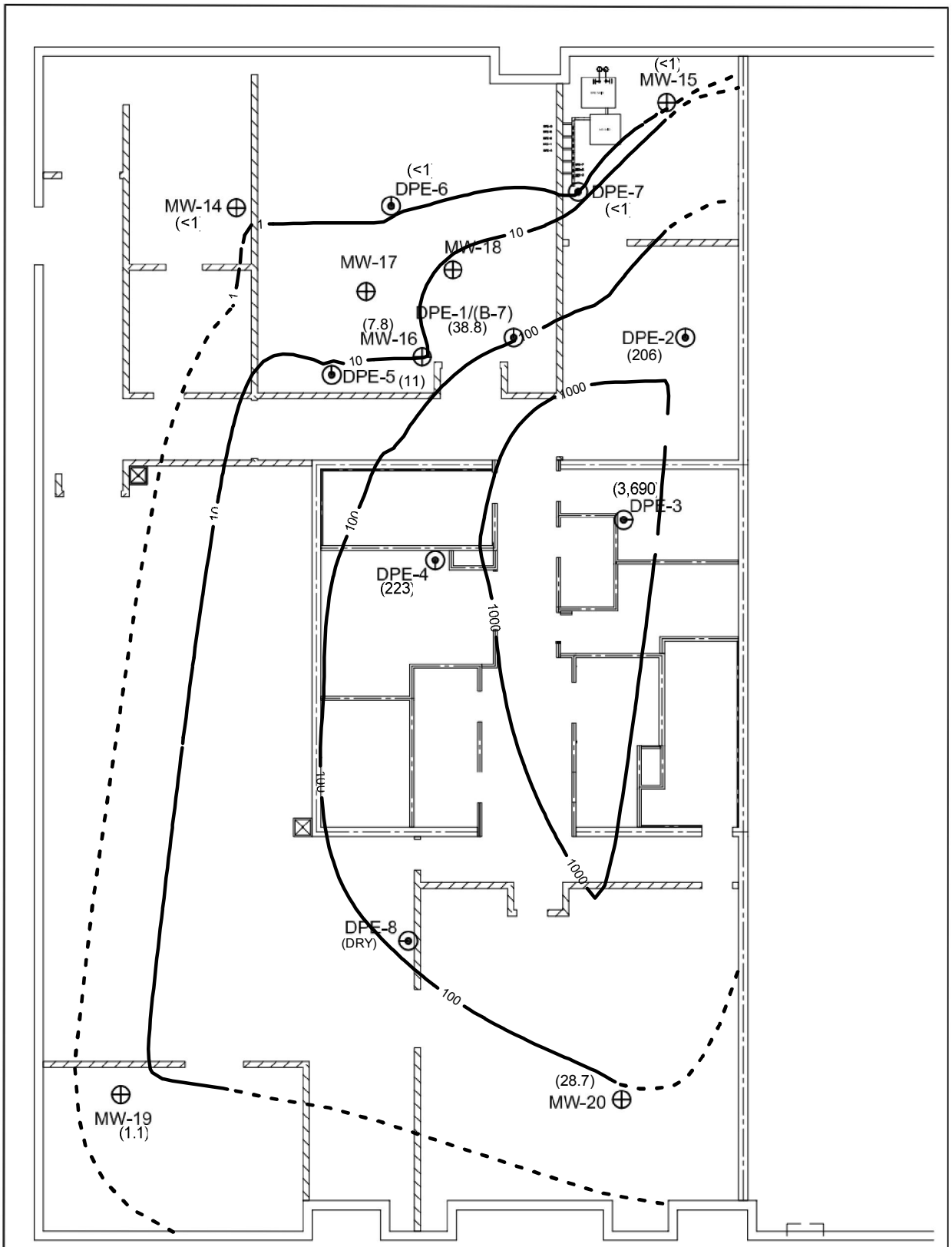


FIGURE 9B

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





LEGEND

DPE Well Locatior

Monitoring Well Locatior

(4.2) PCE Groundwater Concentration (micrograms per liter)

LEGEND

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

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Stree
Bloomington, MN 5543

FIGURE 1C
SHALLOW PCE GROUNDWATER CONCENTRATION INTERPRETATIOI
May 17, 2012
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC
Drawn: KAB | Checked: JDS | Designed: JDS
Scale: . | Date: . 6/8/2012 | Revision:
Drawing Number: . | Sheet Of . | Sheets .

Tables

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
9-Apr-09	NA	NA	NA	Off	DPE system temporary startup. **Sampled initial DPE groundwater discharge and air emissions.** System shut down to determine if air emissions and/or groundwater treatment were necessary.
4-Jun-09	NA	NA	NA	Off	Air stripper installed. **Air stripper air emissions and influent and effluent groundwater samples collected.**
5-Jun-09	NA	NA	NA	Off/On	Installed temporary secondary containment around DPE room door way. DPE system left on.
6-Jun-09	19:00	Y	MS High Level	On/Off	
8-Jun-09	NA	NA	NA	Off	Landmark on site to clean MS float switch assembly. DPE system left off per client request until elevator pit drain tile sump can be connected to the air stripper, a permanent secondary containment berm can be installed, and additional floor sump alarm and conductivity meter can be installed.
19-Jun-09	NA	NA	NA	Off	Landmark onsite to monitor elevator pit sump water levels and PID readings.
23-Jun-09	NA	NA	NA	Off	Landmark, SDE, and Muska on site to install permanent secondary containment berm and sump pit flow meter.
25-Jun-09	NA	NA	NA	Off	Landmark and PLC on site to terminate switches to the control panel. Noticed lower trilevel float switch is getting caught on the site tube. PLC to replace MS trilevel float assembly. Pumped 300 gallons of water from elevator drain tile sump through the air stripper. Sump appears to be recharging with water.
29-Jun-09	NA	NA	NA	Off/On	Landmark replaced MS trilevel float assembly. Bottom float still catches on site tube; therefore, Landmark installed JB-welded washers onto float assembly. Also compared flow meter readings with handheld monitor; replaced leaking air stripper hoses; recorded all system data from gauges and control panel. System restarted for permanent operation.
9-Jul-09	NA	NA	NA	On	Landmark onsite to troubleshoot low flowrate and vacuum readings observed remotely, to collect fluid level measurements at each well, to check the vacuum influence from DPE-1 operation at each DPE well head location; collect operational data during operation of DPE-1; to conduct a groundwater recovery test a DPE-1; modified the drop tube at DPE-3; and collected operational data wile operating on DPE-3. Kept system operating on DPE-1. **Sampled groundwater discharge.**
18-Jul-09	NA	No	DPE Pump Motor Fault	On/Off	
20-Jul-09	NA	NA	DPE Pump Motor Fault	Off	Received a call from Paramark stating the DPE was off and there was about 1 quart of oil leaking from the DPE pump.
22-Jul-09	NA	NA	DPE Pump Motor Fault	Off	Landmark onsite to troubleshoot DPE system shut down and determine the source of the oil leak.
24-Jul-09	NA	NA	DPE Pump Motor Fault	Off	Landmark and PLC onsite to remove DPE pump and deliver to John Henry Foster for Repair.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
11-Aug-09	NA	NA	DPE Pump Motor Fault	Off/On	Landmark and PLC onsite to reinstall repaired DPE pump and restart the system. Landmark installed thermometer to monitor the ambient and max temperature in the DPE room in two different locations. Landmark swept, vacuumed, and mopped the floor several times to prevent dust from passing through the vacuum relief valve and clogging the pump inlet screen. PLC fixed the sensaphone. PLC and Landmark checked flow rate readings with blower curve. DPE system was restarted.
14-Aug-09	13:17	Y	DPE Pump High Inlet Vacuum	On/Off/On	Paramark opened all of the individual DPE well bleed valves and restarted the system.
16-Aug-09	4:34	Y	DPE Pump High Outlet Temperature	On/Off	
17-Aug-09	NA	NA	DPE Pump High Outlet Temperature	Off/On	Paramark checked max room temperature readings and all were OK. Paramark could not restart the DPE system. Landmark onsite to troubleshoot the pump and determined the inlet screen was plugged. Landmark cleaned the inlet screen, replaced the moisture separator filter, and restarted the system. The system was adjusted to run with the DPE pump bleed valve open 5% and the DPE-1 bleed valve open 20%.
18-Aug-09	4:15	Y	DPE Pump High Inlet Vacuum	On/Off	Landmark tried restarting the system remotely, but the system would not operate for more than 30 seconds. A pressure drop was observed while trying to restart the system indicating the moisture separator filter or pump inlet screen was plugged.
20-Aug-09	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Landmark onsite to troubleshoot system shutdown. Landmark verified the shutdown was the result of a plugged pump intake screen. The screen was cleaned with hydrochloric acid and reinstalled. Landmark installed a pipe plug in place of the vacuum relief valve to determine if the material plugging the screen is entering through the vacuum relief valve. Landmark added slits to DPE-1 drop tube to facilitate dewatering of the well. System restarted with DPE-1 bleed air valve opened 50% and pump bleed valve closed.
22-Aug-09	5:30	Y	DPE Pump High Inlet Vacuum	On/Off	
24-Aug-09	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Restarted system remotely. Directed Paramark to open DPE-1 bleed valve 100%.
4-Sep-09	NA	NA	NA	On	Landmark on site to conduct **monthly monitoring and sampling event**, install 1 micron moisture separator filter, and install new pump intake screen.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
16-Sep-09	19:26	Y	DPE Pump High Inlet Vacuum	On/Off	
17-Sep-09	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Restarted system remotely. Directed Paramark to open DPE-1 bleed valve 100%.
28-Sep-09	NA	NA	NA	On	Landmark on site to conduct **quarterly groundwater monitoring and sampling event**, and spray aluminum pump inlet components with dry lube to prevent corrosion.
	21:22	Y	DPE Pump High Inlet Vacuum	On/Off	
29-Sep-09	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Landmark and PLC on site to troubleshoot alarm. The rubber hose between the moisture separator and the DPE pump was found to be defective. The rubber hose was replaced and the system was restarted.
30-Sep-09	6:32	Y	MS High Level	Off	
	NA	NA	MS High Level	Off/On	Landmark on site to finish **quarterly groundwater monitoring and sampling event**, and clean the float switches controlling the moisture separator transfer pump. The DPE system was restarted.
10/15/2009 and 10/16/09	NA	NA	NA	On	Landmark on site to conduct **monthly monitoring and sampling event** and modify all of the wells for sequential operation.
19-Oct-09	18:00	Y	MS High Level	On/Off	
23-Oct-09	NA	Yes	NA	Off/On	Landmark on site to clean the MS float assembly, replace MS hose with SCH 80 pipe and union, and install bleed air port on DPE-3 water level drop tube.
25-Oct-09	8:15	Y	MS High Level	On/Off	
27-Oct-09	NA	Yes	NA	Off/On	Landmark on site to clean MS float assembly, remove sediment from the MS, collect a TCLP VOC sediment sample for haz waste characterization, and modify the drop tube for DPE-3.
	14:15	Y	Hi Vacuum and Hi Inlet Vacuum	On/Off	System shut down from DPE-4's solenoid valve which was stuck in the off position.
28-Oct-09	NA	NA	Hi Vacuum and Hi Inlet Vacuum	Off/On	Under Landmark's direction, Paramark was able to get DPE-4's solenoid valve to work.
2-Nov-09	23:15	Y	Hi Vacuum and Hi Inlet Vacuum	On/Off	System shut down from high inlet vacuum while operating at DPE-8.
3-Nov-09	11:15	NA	Hi Vacuum and Hi Inlet Vacuum	Off/On	System restarted remotely by Landmark.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
5-Nov-09	11:16	Y	Hi Vacuum and Hi Inlet Vacuum	On/Off	System shut down from high inlet vacuum while operating at DPE-8.
	11:36	NA	Hi Vacuum and Hi Inlet Vacuum	Off/On	System restarted remotely by Landmark. DPE-8 interval replaced by DPE-1 until Landmark is on site to modify the DPE-8's well head. Large pressure drop observed between VT1 an VT2. With Paramark's assistance, Landmark was able to determine the pressure drop was from a plugged DPE pump inlet screen.
	13:00	NA	NA	On/Off	Large pressure drop observed between VT1 an VT2 while Landmark checked the system remotely. With Paramark's assistance, Landmark was able to determine the pressure drop was from a plugged DPE pump inlet screen. System shut down by Landmark until screen could be cleaned.
6-Nov-09	NA	NA	NA	Off/On	Landmark onsite to install new inlet screen on DPE pump, tighten air stripper rods, inspect and clean inside of DPE-1 and DPE-3 aluminum solenoid valves, and restart the system.
7-Nov-09	20:15	Y	Hi Vacuum and Hi Inlet Vacuum	On/Off	System shut down from high inlet vacuum while operating at DPE-4.
9-Nov-09	10:58	NA	Hi Vacuum and Hi Inlet Vacuum	Off/On	Landmark restarted the system remotely and adjusted the high vacuum alarm setpoints to 25 in. Hg.
15-Nov-09	6:27	Y	MS High Level	On/Off	
11/16/2009 and 11/17/09	NA	NA	MS High Level	Off/On	Landmark on site to conduct **monthly monitoring and sampling event** and **quarterly groundwater monitoring event.** Removed sediment from moisture separator, and modified DPE-8 well head, and cleaned pump inlet screen.
26-Nov-09	3:45	Y	DPE Pump Hi Outlet Temperature	On/Off	
27-Nov-09	NA	NA	DPE Pump Hi Outlet Temperature	Off/On	Landmark on site to clean the pump inlet screen and restart the system.
4-Dec-09	NA	NA	NA	On/Off	Landmark on site to clean solenoid valves and apply corrosion resistant coating to valves; DPE-4 and DPE-5 well heads modified to entrain air through water level port.
7-Dec-09	NA	NA	NA	Off/On	Landmark on site to reassemble solenoid valves; raise the manifold 1 foot; clean the pump inlet screen; and restart the system.
17-Dec-09	NA	NA	NA	On	Landmark on site to **conduct monthly monitoring and sampling event,** replace pump inlet screen, clean moisture separator, and clean floats.
28-Dec-09	NA	NA	NA	On	Landmark on site to replace pump inlet screen after remote monitoring indicated it was about to shut down from being clogged.
11-Jan-10	NA	NA	NA	On/Off	Landmark shut down the system remotely after the remote data indicated the pump inlet screen was clogged and about to shut down the system.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
14-Jan-10	NA	NA	NA	Off/On	Landmark on site to **conduct monthly monitoring and sampling event,** clean pump inlet screen, and clean moisture separator floats.
23-Jan-10	14:15	Y	DPE Pump High Inlet Vacuum	On/Off	
27-Jan-10	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Landmark on site to clean the pump inlet screen and restart the system.
30-Jan-10	18:58	Y	MS High Level	On/Off	
3-Feb-10	NA	NA	MS High Level	Off/On	Landmark onsite to clean the transfer pump floats, clean the moisture separator, and clean the pump inlet screen.
	22:09	Y	MS High Level	On/Off	
4-Feb-10	14:50	NA	MS High Level	Off/On	Landmark directed Paramark to pour tap water through the site tube to dislodge the low level transfer pump float and restart the system.
6-Feb-10	7:22	Y	MS High Level	On/Off	
10-Feb-10	NA	NA	MS High Level	Off/On	Landmark onsite to clean the transfer pump floats, the moisture separator, the moisture separator site tube elbow, discharge pump floats, and the pump inlet screen. Landmark also restarted the system.
	16:47	Y	MS High Level	On/Off	
	18:00	NA	MS High Level	Off/On	Landmark restarted the system remotely.
	19:42	Y	MS High Level	On/Off	
11-Feb-10	10:34	NA	MS High Level	Off/On	Landmark restarted the system remotely.
	12:54	Y	MS High Level	On/Off	
12-Feb-10	NA	NA	MS High Level	Off/On	Landmark onsite to troubleshoot the MS High Level alarm. Landmark performed the following tasks: checked the MS level switch configurations; ran diagnostic tests to narrow down the cause of the MS High Level alarm; replaced the check valve upstream of the MS pump; and, took apart the MS pump head to inspect and clean the internal pump parts.
16-Feb-10	NA	NA	NA	On	System is operational; however, remote monitoring of the system showed the MS transfer pump cycling every 2 minutes. Landmark onsite to replace the MS transfer pump stator, and troubleshoot the continuous cycling issue with the transfer pump.
22-Feb-10	NA	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event, quarterly groundwater monitoring event,** to disabled the sensaphone sound alarm, and remove sediment from the primary moisture separator (MS1).

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
23-Feb-10	NA	NA	NA	On/Off/On	Landmark on site to finish the **quarterly groundwater monitoring event,** and to provide oversight while PLC installs the secondary moisture separator (MS2). MS2 level switch was determined to be faulty; however, the DPE system was restarted.
26-Feb-10	NA	NA	NA	On	Landmark and PLC were on site to replace the faulty level switch for MS2, and replace the MS1 and MS2 filters.
7-Mar-10	18:00	Y	DPE Pump High Inlet Vacuum	On/Off	
9-Mar-10	NA	NA	DPE Pump High Inlet Vacuum	Off/On	Landmark onsite to permanently remove the DPE pump inlet screen and change the oil in the DPE pump. Oil in the DPE pump was changed after 4,472 hours of operation.
25-Mar-10	NA	NA	NA	On	Landmark on site to **conduct monthly monitoring and sampling event,** and clean the air stripper by adding 1 gallon of hydrochloric acid.
26-Mar-10	5:16	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark.
	11:15	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted by Paramark as directed by Landmark after opening the bleed valve on DPE-8's well head.
	17:15	Y	DPE Pump High Inlet Vacuum	On/Off	System shut down during operation at DPE-8.
29-Mar-10	11:17	Y	DPE Pump High Inlet Vacuum	Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark after troubleshooting the system.
	12:36	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark after troubleshooting the system.
	13:41	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark after troubleshooting the system.
	13:42	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark after troubleshooting the system.
	13:56	Y	DPE Pump High Inlet Vacuum	On/Off/On	System shut down during operation at DPE-8. System restarted remotely by Landmark after troubleshooting the system. To prevent system shutdown's during operation of DPE-8, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
30-Mar-10	NA	NA	NA	On	Landmark on site to troubleshoot DPE-8.
8-Apr-10	NA	NA	NA	On	Landmark remote troubleshooting of DPE-8. Operated DPE-8 without DPE-7.
	11:35	Y	DPE Pump High Inlet Vacuum	On/Off/On	Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
12-Apr-10	12:36	Y	DPE Pump High Inlet Vacuum	On/Off/On	Landmark tested DPE-8 remotely to see if it could operate on its own. Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
16-Apr-10	NA	NA	NA	On/Off/On	Landmark on site to **conduct monthly monitoring and sampling event,** replaced the check valve on the DPE-8 wellhead, and clean the air stripper by adding 1 gallon of hydrochloric acid.
17-Apr-10	23:20	Y	DPE Pump High Inlet Vacuum	On/Off/On	Landmark tested DPE-8 remotely to see if it could operate on its own. The system shut down; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
4-May-10	NA	NA	NA	On/Off/On	Landmark tested DPE-8 remotely to see if it could operate on its own. The system shut down; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
5-May-10	11:27	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down from DPE-8 operation; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
13-May-10	NA	NA	NA	On	Landmark on site to conduct **monthly monitoring and sampling event, quarterly groundwater sampling event,** cleaned the air stripper by adding 1/2 gallon of hydrochloric acid. Plastic debris was found on the inlet side of the piping leaving the wellhead for DPE-8. Plastic piece was removed and the system shutdowns resulting from DPE-8 operation were resolved.
17-Jun-10	NA	NA	NA	On	Landmark on site to conduct **monthly monitoring and sampling event,** cleaned the air stripper by adding 1/2 gallon of hydrochloric acid.
29-Jun-10	6:04	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down after switching to DPE-1 operation. Landmark restarted the system remotely.
30-Jun-10	12:07	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down after switching to DPE-1 operation. Landmark restarted the system remotely and temporarily changed the DPE pump high inlet vacuum alarm to 24.5 inches Hg.
1-Jul-10	0:12	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down after switching to DPE-1 operation. Landmark restarted the system remotely and modified the system to operate DPE-1 and DPE-8 at the same time until the Landmark is on site for routine monitoring and can troubleshoot DPE-1. The DPE pump high inlet vacuum alarm was reset to 24 inches Hg.
8-Jul-10	0:27	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down after DPE-1 and DPE-8 operation switched to DPE-1 operation. Landmark restarted the system remotely and modified the system to operate DPE-1 and DPE-8 at the same time during 30 minutes of the DPE-1 cycle.
9-Jul-10	0:37	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down after DPE-1 and DPE-8 operation switched to DPE-1 operation. Landmark restarted the system remotely and modified the system to operate DPE-1 and DPE-8 at the same time during the entire DPE-1 cycle.
26-Jul-10	NA	NA	NA	On	Landmark on site to **conduct monthly monitoring and sampling event,** cleaned the air stripper by adding 1/2 gallon of hydrochloric acid. DPE-1 troubleshooting by pulling piping out of DPE-1 for cleaning and inspection. Sediments may have been clogging screen. Also noticed sanitary well seal was broken and missing rubber pieces. Fluid levels were not collected due to instrument malfunction. Air sampling flow controller malfunctioned and only operated for 3 hours. Therefore, a 3 hour composite air sample was collected.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
29-Jul-10	7:05	Y	DPE Pump Low Inlet Vacuum	On/Off/On	System shut down was actually due to a power outage in the building. This power outage may have also increased the elevator pit drain tile sump totalizer reading from 330 to 340 gallons. Paramark restarted the DPE system.
18-Aug-10	NA	NA	NA	On/Off	Landmark on site to **conduct monthly monitoring and sampling event and quarterly groundwater monitoring event.** Oil was observed to be leaking from the DPE pump; therefore, the pump was turned off immediately for inspection and troubleshooting by Landmark. **Monthly DPE system monitoring and sampling was not completed.** The transfer pump stator was replaced.
20-Aug-10	NA	NA	NA	Off	Landmark and John Henry Foster on site to troubleshoot DPE pump oil leak. The pump could not be fixed on site, so it was shipped back to John Henry Foster's shop for further inspection and repair.
27-Sep-10	NA	NA	NA	Off/On	Landmark and John Henry Foster on site to reinstall DPE pump. Landmark **conducted monthly monitoring and sampling event**. Air sampling flow controller malfunctioned and only operated for 30 minutes. Therefore, a 30 minute composite air sample was collected.
18-Oct-10	NA	NA	NA	On	Landmark **conducted monthly monitoring and sampling event**. Replaced MS#1 and MS#2 filters and cleaned air stripper by adding 1 gallon of hydrochloric acid.
16-Nov-10	11:20	NA	NA	On/Off	DPE system shut down due to a DPE pump oil leak discovered by Paramark.
18-Nov-10	NA	NA	NA	Off	Landmark and John Henry Foster on site to troubleshoot DPE pump oil leak. The pump could not be fixed on site, so it was shipped back to John Henry Foster's shop for further inspection and repair.
	NA	NA	NA	Off	Landmark onsite to conduct **quarterly groundwater monitoring event for non-DPE wells.**
22-Dec-10	NA	NA	NA	Off/On	Landmark and John Henry Foster on site to reinstall DPE pump. Landmark **conducted monthly monitoring and sampling event**. New oil in pump from repairs. Solenoid rebuild kits required for DPE-1, 2, and 8.
23-Dec-10	NA	NA	NA	Off	Landmark onsite to conduct **quarterly groundwater monitoring event for DPE wells.** Replaced 4" flex hose to air stripper.
6-Jan-11	NA	NA	NA	On	Landmark on site to install solenoid rebuild kits for DPE-1, 2, and 8.
	15:45	Y	DPE Pump High Inlet Vacuum	On/Off/On	DPE system turned off when operating on DPE-6. Landmark restarted system remotely. DPE-6 was left off until the coil to the solenoid valve could be replaced.
20-Jan-11	NA	NA	NA	On	Landmark onsite to conduct **monthly system monitoring and sampling event,** and troubleshoot DPE-2, DPE-4, and DPE-6 which appear to be stuck open. Hunt Electric on site to trouble shoot solenoid valves. They had to reset a breaker in the DPE system control panel and fixed DPE-2 and DPE-4. DPE-6 appears to have a faulty coil.
16-Feb-11	NA	NA	NA	On	Paramark contacted Landmark about a leak from the line from DPE-8 in the boiler room. Leak appears to be from pressure gauge.
	12:49	Y	DPE Pump Low Inlet Vacuum	On/Off	
	13:49	NA	NA	Off/On	Landmark restarted the DPE system remotely. DPE-8 taken offline.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
28-Feb-11	NA	NA	NA	On	Landmark onsite to conduct **monthly system monitoring and sampling event and quarterly groundwater sampling event,** change oil in the DPE pump (10,989 hrs), replaced hose from air stripper blower to the tank, fixed DPE-8 leak, put DPE-8 back on line, and installed solenoid valve rebuild kits at DPE-3, 5, and 7.
2-Mar-11	13:28	Y	MS High Level	On/Off	
7-Mar-11	NA	NA	NA	Off/On	Landmark onsite to replace the coil to DPE-6, clean the moisture separator, clean the moisture separator floats, and put DPE-8 back online.
18-Mar-11	13:30	NA	NA	On/Off	Landmark onsite to repair DPE-8 (possible bonnet gasket pinched), clean the moisture separator floats, replaced transfer pump stator, and troubleshoot constant transfer pump operation. DPE system left off after it was determined that the floats were not operational.
23-Mar-11	9:00	NA	NA	Off/On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also replaced MS-1 tri-level floats, and changed oil at 11,276 hours.
22-Apr-11	9:10	NA	NA	On	Landmark Onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 11,995 hours.
3-May-11	21:00	NA	NA	On	Landmark on site to troubleshoot and clean the discharge flow meter.
5-May-11	NA	NA	NA	On	Landmark on site to troubleshoot leaking solenoid valve. DPE-4 solenoid valve repaired.
19-May-11	6:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Landmark also changed oil at 12,645 hours.
16-Jun-11	12:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 13,314 hours and installed new vacuum gauge in DPE 4 manifold.
18-Jul-11	15:37	Y	Lo Inlet Vacuum	On/Off/On	Contacted Paramark and the shutdown was due to a building power outage. Paramark restarted the system after the power returned.
21-Jul-11	11:00	Y	Air Stripper High High Level	On/Off	
	14:16	NA	NA	Off/On	Paramark onsite and turned AS pump to the "hand" position until the water level in the air stripper was below the High Level switch. Paramark returned AS pump to auto position and restarted the DPE system.
22-Jul-11	2:26	Y	Air Stripper High High Level	On/Off	
	8:00	NA	NA	Off/On	Paramark onsite and turned AS pump to the "hand" position until the water level in the air stripper was below the High Level switch. Paramark returned AS pump to auto position and restarted the DPE system.
	9:06	Y	Air Stripper High High Level	On/Off	
27-Jul-11	9:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 14,169 hours and installed installed new transfer pump stator as well as cleaned floats..

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
MN Bio Business Center
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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
28-Aug-11	11:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 14,962 hours and installed new transfer pump stator as well as rebuilt DPE-1 solonoid valve.
8-Sep-11	15:18	NA	NA	On	Landmark changed the operational configuration to focus operation on DPE-1, DPE_2, DPE-3, and DPE-4.
29-Sep-11	11:40	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event.** Landmark also changed oil at 15,722 hours and installed new moisture separator filters (both 1 micron).
2-Oct-11	14:11	Y	Air Stripper High High Level	On/Off	
4-Oct-11	10:46	NA	NA	Off	Landmark onsite to troubleshoot system alarm. Air stripper floats cleaned. Landmark cleaned moisture separator floats at MS-1 and noticed the bottom float was causing the transfer pump to operate continuously. Hunt Electric onsite to troubleshoot MS-1 float issues and confirmed the bottom reed of the tri-level float assembly was causing electrical connection in any float position. Hunt checked wiring from the tri-level assembly to the panel and found no issues.
11-Oct-11	12:28	NA	NA	Off	Landmark onsite replace the tri-level float switch for MS-1 and replace the transfer pump stator. The low float on the tri-level switch was 1/2-inch lower than previous switch and was allowing air through the transfer pump, preventing the low float from shutting down the transfer pump. The tri-level switch was returned to PLC to be rebuilt. Therefore the system could not be restarted.
18-Oct-11	10:00	NA	NA	Off/On	Landmark onsite to install a new float switch assembly for MS-1. System restarted.
27-Oct-11	8:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 16,013 hours.
21-Nov-11	11:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 16,619 hours.
2-Dec-11	8:52	Y	Lo Inlet Vacuum	On/Off	DPE system shut down due to a low inlet vacuum alarm. Paramark inspected the DPE pump and observed an oil leak from the DPE pump.
12-Dec-11	13:00	NA	NA	Off	Landmark and JHF onsite to remove the DPE pump for repair.
21-Dec-11	11:00	NA	NA	Off	Landmark onsite to collect sump water sample and inspect corrosion on elevator support backets.
20-Jan-12	8:00	NA	NA	Off/On	Landmark and JHF onsite to reinstall the DPE pump and restart the DPE system.
27-Jan-12	9:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**.
16-Feb-12	9:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Landmark also changed oil at 17,520 hours.
16-Mar-12	11:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 18,219 hours.

TABLE 1

SYSTEM OPERATION AND MAINTENANCE SUMMARY
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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
25-Mar-12	19:58	Y	Air Stripper High High Level	On/Off	
27-Mar-12	7:00	Y	Air Stripper High High Level	Off/On	Landmark onsite to clean the air stripper floats. System restarted.
17-Apr-12	10:25	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 18,964 hours.
17-May-12	10:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Solenoid for DPE-3 faulty and taken off-line. Landmark also changed oil at 19,660 hours.
31-May-12	10:59	NA	NA	On	Landmark onsite and replaced solenoid bonnet for DPE-2 and DPE-3, and inner seal on DPE-1. Landmark also changed oil at 19,950 hours.
14-Jun-12	10:17	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 20,279 hours.

NA: Not Applicable.
Y: Yes.
N: No.

TABLE 2

MASS REMOVAL FROM DPE EXHAUST
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Monitoring Period						Total VOCs			PCE		
Start Date	End Date	DPE Well(s) Operating	DPE Pump Hours	Hours Per Period	Total Flow Rate (scfm)	Concentration (ug/m^3)	Pounds Per Period	Cumulative pounds	Concentration (ug/m^3)	Pounds Per Period	Cumulative Pounds
---	6/29/2009	---	0	0	0	0	0	0	0	0	0
6/29/2009[3]	8/15/2009[1]	DPE-1	478.5	478.5	24.3	14,613,880	636.97	636.97	11,600,000	505.61	505.61
8/15/2009	9/4/2009[2]	DPE-1	957	478.5	36.1	3,795,092	245.74	882.71	3,630,000	235.05	740.66
9/4/2009	---	DPE-1	1428	471	36.1	3,795,092	241.89	1,124.60	3,630,000	231.37	972.02
---	10/15/2009[4]	DPE-1	1899	471	31.6	494,779	27.60	1,152.21	396,000	22.09	994.12
10/16/2009[5]	---	All Wells	1899	231	48.9	608,840	25.78	1,177.99	571,000	24.18	1018.30
---	11/17/2009[5]	All Wells	2361	231	48.9	453,479	19.20	1,197.19	381,000	16.13	1034.43
11/17/2009	12/17/2009[5]	All Wells	2960	599	48.9	12,510	1.37	1,198.56	6,790	0.75	1035.17
12/17/2009	1/14/2010[5]	All Wells	3568	608	48.9	11,403,200	1270.88	2,469.45	8,550,000	952.89	1988.07
1/14/2010	2/22/2010[6]	All Wells	4161	593	69.4	2,364,821	364.82	2,834.27	1,720,000	265.34	2253.41
2/22/2010	3/25/2010[7]	All Wells	4868	707	69.4	548	0.10	2,834.37	215,000	39.54	2292.96
3/25/2010	4/16/2010	All Wells	5308	440	77.9	331,284	42.57	2,876.93	282,000	36.23	2329.19
4/16/2010	5/12/2010	All Wells	5908	600	86.9	438,730	85.73	2,962.66	27,900	5.45	2334.64
5/12/2010	6/17/2010	All Wells	6768	860	55.6	50,553	9.06	2,971.72	689,000	123.50	2458.14
6/17/2010	7/26/2010	All Wells	7671	903	75.6	1,032,070	264.11	3,235.83	489,000	125.14	2583.28
7/26/2010	9/27/2010[8]	All Wells	8222	551	86.8	493,213	88.42	3,324.25	245,150	43.95	2627.23
9/27/2010	10/18/2010	All Wells	8662	440	77.4	246,881	31.52	3,355.77	1,300	0.17	2627.39
10/18/2010	12/22/2010	All Wells	9378	716	94.1	19,686	4.97	3,360.74	2,680	0.68	2628.07
12/22/2010	1/20/2011	All Wells	10034	656	88.0	46,334	10.03	3,370.77	5,040	1.09	2629.16
1/20/2011	2/28/2011	All Wells	10969	935	83.1	61,844	18.02	3,388.79	4,590	1.34	2630.50
2/28/2011	3/23/2011	All Wells	11277	308	64.8	21,690	1.62	3,390.41	7,340	0.55	2631.05
3/23/2011	4/22/2011	All Wells	11995	718	65.8	56,955	10.08	3,400.49	6,840	1.21	2632.26
4/22/2011	5/19/2011	All Wells	12645	650	61.3	29,665	4.43	3,404.92	6,270	0.94	2633.19
5/19/2011	6/16/2011	All Wells	13314	669	56.4	25,270	3.57	3,408.49	668	0.09	2633.29
6/16/2011	7/25/2011	All Wells	14169	855	59.5	8,991	1.71	3,410.20	308	0.06	2633.35
7/25/2011	8/28/2011	All Wells	14962	793	68.7	8,866	1.81	3,412.01	0	0.00	2633.35
8/28/2011	9/29/2011	DPE-1, 2, 3, & 4	15722	760	59.9	8,324	1.42	3,413.44	3,420	0.58	2633.93
9/29/2011	10/27/2011	DPE-1, 2, 3, & 4	16013	291	52.3	106,710	6.09	3,419.52	180	0.01	2633.94
10/27/2011	11/21/2011	DPE-1, 2, 3, & 4	16619	606	57.6	11,328	1.48	3,421.01	22,100	2.89	2636.83
11/21/2011	1/27/2012	DPE-1, 2, 3, & 4	17042	423	49.1	268,469	20.90	3,441.91	29,100	2.27	2639.10
1/27/2012	2/16//2012	DPE-1, 2, 3, & 4	17520	478	39.9	85,733	6.13	3,448.04	4,440	0.32	2639.41
2/16/2012	3/16/2012	DPE-1, 2, 3, & 4	18219	699	34.0	59,394	5.29	3,453.33	0	0.00	2639.41
3/16/2012	4/17/2012	DPE-1, 2, 3, & 4	18964	745	29.2	71,800	5.86	3,459.18	20,600	1.68	2641.09
4/17/2012	5/17/2012	DPE-1, 2, 3, & 4	19660	696	32.3	50,874	4.29	3,463.47	25,200	2.12	2643.22
5/17/2012	6/14/2012	DPE-1, 2, 3, & 4	20279	619	38.5	41,142	3.68	3,467.15	11,200	1.00	2644.22

Notes:

1. The initial concentrations of total VOCs and PCE used for estimating the mass removed during the first 478.5 hours of system operation, which was estimated to be from, June 29, 2009, through August 15, 2009.
2. The concentrations of total VOCs and PCE from the September 4, 2009, sampling event were used for estimating the mass removed during the remaining 478.5 hours of system operation, which was estimated to be from August 15, 2009, through September 4, 2009.
3. The DPE system was temporarily started on April 9, 2009, for baseling DPE emissions sampling and analysis. The analytical data from April 4, 2009, was used for the emissions calculations on the estimated DPE system start date of June 29, 2009.
4. The flow rate used for the 10/15/09 calculations was from operation at DPE-1.
5. The flow rates used for the 10/16/09, 11/17/09, 12/17/09, and 1/14/10 calculations was from averaging the flowrates on 11/17/09 from each well during sequential operation of all DPE wells.
6. The flow rates used after 1/14/10 were averaged from the flow rates from each well during sequential operation of all DPE wells.
7. There was a typo when entering the DPE pump hours; therefore, this value was revised while entering the data from 4/16/10.
8. The 6-hr flow controller failed and only lasted 26 minutes during exhaust sample collection. Therefore, the concentrations used during this sampling event were averaged from the July 26 and October 18, 2010, sampling events.

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE-EXHAUST 0558	DPE-EXHAUST 0361	DPE-EXHAUST 1071	DPE-EXHAUST 1637	DPE-EXHAUST 1289
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	6/14/2012	5/17/2012	4/17/2012	3/16/2012	2/16/2012
1,1,1-Trichloroethane	<341	**13.1**	<357	<682	<567
1,1,2,2-Tetrachloroethane	<214	<1.2	<224	<429	<360
1,1,2-Trichloroethane	<169	<0.92	<177	<338	<283
1,1,2-Trichlorotrifluoroethane	**29200**	**25500**	**51200**	**58500**	**60400**
1,1-Dichloroethane	<252	<1.4	<264	<504	<422
1,1-Dichloroethene	<249	<1.4	<260	<498	<417
1,2,4-Trichlorobenzene	<304	<1.7	<318	<608	<510
1,2,4-Trimethylbenzene	<307	**2.2**	<321	<614	<515
1,2-Dibromoethane (EDB)	<479	<2.6	<502	<958	<824
1,2-Dichlorobenzene	<375	<2.0	<392	<750	<618
1,2-Dichloroethane	<126	<0.69	<132	<252	<211
1,2-Dichloropropane	<289	<1.6	<302	<578	<484
1,3,5-Trimethylbenzene	<307	<1.7	<321	<614	<515
1,3-Butadiene	<138	<0.76	<145	<276	<232
1,3-Dichlorobenzene	<375	<2.0	<392	<750	<618
1,4-Dichlorobenzene	<375	<2.0	<392	<750	<618
2-Butanone (MEK)	<184	<1.0	<193	<369	<309
2-Hexanone	<255	<1.4	<267	<510	<428
2-Propanol	<768	<4.2	<804	<1540	<1290
4-Ethyltoluene	<307	<1.7	<322	<614	<1290
4-Methyl-2-pentanone (MIBK)	<255	<1.4	<267	<510	<428
Acetone	<147	**16.6**	<154	<295	<247
Benzene	<99.8	<0.55	<105	<200	<167
Benzyl chloride	<323	<1.8	<338	<645	<541
Bromodichloromethane	<418	<2.3	<437	<836	<721
Bromoform	<645	<3.5	<675	<1290	<1080
Bromomethane	<243	<1.3	<254	<485	<407
Carbon disulfide	<194	<1.1	<203	<387	<325
Carbon tetrachloride	<197	<1.1	<206	<393	<330
Chlorobenzene	<289	<1.6	<302	<578	<484
Chloroethane	<166	<0.91	<174	<332	<278
Chloroform	<304	<1.7	<318	<608	<510
Chloromethane	<129	<0.71	<135	<258	<216
cis-1,2-Dichloroethene	<249	**34.8**	<260	<498	<417
cis-1,3-Dichloropropene	<283	<1.5	<296	<565	<474
Cyclohexane	<209	<1.1	<219	<418	<350
Dibromochloromethane	<531	<2.9	<556	<1060	<876
Dichlorodifluoromethane	<310	**1.8**	<325	<621	<515
Dichlorotetrafluoroethane	<436	<2.4	<457	<872	<721
Ethanol	**742**	**51.8**	<122	**894**	<979
Ethyl acetate	<224	**37.6**	<235	<449	<376
Ethylbenzene	<270	<1.5	<283	<541	<453
Hexachloro-1,3-butadiene	<676	<3.7	<708	<1350	<1130
m&p-Xylene	<541	<3.0	<566	<1080	<907
Methylene Chloride	<218	<1.2	<228	<436	**1390**
Methyl-tert-butyl ether	<224	<1.2	<235	<449	<376
Naphthalene	<329	**1.8**	<344	<657	<1390
n-Heptane	<255	<1.4	<267	<510	<428
n-Hexane	<221	**1.6**	<232	<442	**585**
o-Xylene	<270	<1.5	<283	<541	<453
Propylene	<108	<0.59	<113	<215	<180
Styrene	<267	<1.5	<280	<535	<448
Tetrachloroethene	**11200**	**25200**	**20600**	<423	**4440**
Tetrahydrofuran	<184	<1.0	<193	<369	<309
Toluene	<237	**3.1**	<248	<473	<397
trans-1,2-Dichloroethene	<249	<1.4	<260	<498	<417
trans-1,3-Dichloropropene	<283	<1.5	<296	<565	<474
Trichloroethene	<169	**9.6**	<177	<338	<283
Trichlorofluoromethane	<350	<1.9	<367	<700	<567
Vinyl acetate	<218	<1.2	<228	<436	<366
Vinyl chloride	<79.9	<0.44	<83.6	<160	<134
TOTAL VOCs	**41,142**	**50,874**	**71,800**	**59,394**	**85,733**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE-EXHAUST 1250	DPE-EXHAUST 1627	DPE-EXHAUST 1105251-01	DPE-EXHAUST 1214	DPE-EXHAUST 0260
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	All DPE Wells
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	1/27/2012	11/21/2011	10/27/2011	9/29/2011	8/28/2011
1,1,1-Trichloroethane	**51**	<260	<14	<33.9	<41.4
1,1,2,2-Tetrachloroethane	<1.3	<165	<17	<21.5	<26.2
1,1,2-Trichloroethane	<1.1	<130	<14	<16.9	<20.7
1,1,2-Trichlorotrifluoroethane	**56,100**	**244,000**	**11,000**	**103,000**	**8,150**
1,1-Dichloroethane	<1.6	<194	<10	<25.3	<30.8
1,1-Dichloroethene	<1.6	<192	<10	<24.9	<30.5
1,2,4-Trichlorobenzene	<1.9	<234	<18	<30.5	<37.2
1,2,4-Trimethylbenzene	**5.6**	<237	<4.9	**50.5**	<37.6
1,2-Dibromoethane (EDB)	<3.1	<379	<19	<49.3	<60.2
1,2-Dichlorobenzene	<2.3	<284	<15	<37.0	<45.1
1,2-Dichloroethane	<0.79	<97.1	<10	<12.6	<15.4
1,2-Dichloropropane	<1.8	<223	<12	<29.0	<35.3
1,3,5-Trimethylbenzene	<1.9	<237	<4.9	<30.8	<37.6
1,3-Butadiene	<0.86	<107	<5.5	<13.9	<16.9
1,3-Dichlorobenzene	<2.3	<284	<15	<37.0	<45.1
1,4-Dichlorobenzene	**5.4**	<284	<15	<37.0	<45.1
2-Butanone (MEK)	**5.2**	**343**	**11**	**80.1**	<22.6
2-Hexanone	<1.6	<197	<10	<25.6	<31.2
2-Propanol	**17.5**	<592	**16**	<77.0	<94.0
4-Ethyltoluene	<4.8	<592	<12	<77.0	<94.0
4-Methyl-2-pentanone (MIBK)	<1.6	<197	<10	<25.6	<31.2
Acetone	**43.6**	**693**	**25**	**58.3**	**53.1**
Benzene	**1.4**	<77.0	<3.2	<10.0	<12.2
Benzyl chloride	<2.0	<249	<13	<32.3	<39.5
Bromodichloromethane	<2.7	<332	<17	<43.1	<52.6
Bromoform	<4.0	<497	<26	<64.7	<79.0
Bromomethane	<1.5	<187	<9.5	<24.3	<29.7
Carbon disulfide	<1.2	<149	<8.0	<19.4	<23.7
Carbon tetrachloride	<1.2	<152	<16	<19.7	<24.1
Chlorobenzene	<1.8	<223	<12	<29.0	<35.3
Chloroethane	<1.0	<128	<6.5	<16.6	<20.3
Chloroform	**10.3**	<234	<12	<30.5	<37.2
Chloromethane	<0.81	<99.5	<5.0	<12.9	<15.8
cis-1,2-Dichloroethene	**80**	**262**	<10	**49.1**	<30.5
cis-1,3-Dichloropropene	<1.8	<218	<12	<28.3	<34.6
Cyclohexane	<1.3	<161	<8.5	<20.9	<25.6
Dibromochloromethane	<3.3	<403	<22	<52.4	<63.9
Dichlorodifluoromethane	<1.9	<237	<12	<30.8	<37.6
Dichlorotetrafluoroethane	<2.7	<332	<18	<43.1	<52.6
Ethanol	**249**	**777**	**81**	<58.5	**121**
Ethyl acetate	<1.4	<173	<9.0	<22.5	<27.4
Ethylbenzene	**3.1**	<208	<4.4	<27.1	<33.1
Hexachloro-1,3-butadiene	<4.2	<521	<26	<67.8	<82.7
m&p-Xylene	**3.9**	<417	<8.5	<54.2	<66.2
Methylene Chloride	<1.4	<168	**15**	<21.9	<26.7
Methyl-tert-butyl ether	<1.4	<173	<9.0	<22.5	<27.4
Naphthalene	<5.2	<639	<13	<83.2	<102
n-Heptane	**2.9**	<197	<10	<25.6	<31.2
n-Hexane	**6.9**	<170	<9.0	<22.2	<27.1
o-Xylene	**2.3**	<208	<4.4	<27.1	<33.1
Propylene	<0.67	<82.9	<4.3	<10.8	<13.2
Styrene	<1.7	<206	<10	<26.8	<32.7
Tetrachloroethene	**29100**	**22100**	**180**	**3420**	<25.9
Tetrahydrofuran	<1.2	<142	<7.5	<18.5	<22.6
Toluene	**7.5**	<182	<3.8	**29.6**	<29.0
trans-1,2-Dichloroethene	<1.6	<192	<10	<24.9	<30.5
trans-1,3-Dichloropropene	<1.8	<218	<12	<28.3	<34.6
Trichloroethene	**36.9**	**294**	<14	**22.2**	<20.7
Trichlorofluoromethane	<2.1	<260	<14	<33.9	<41.4
Vinyl acetate	<1.4	<168	<9.0	<21.9	<26.7
Vinyl chloride	<0.50	<61.6	<6.5	<8.0	<9.8
TOTAL VOCs	**268,469**	**11,328**	**106,710**	**8,324**	**8,866**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE-EXHAUST 1571	DPE EXHAUST 0727	DPE EXHAUST 0416	DPE EXHAUST 0514	DPE EXHAUST 1186
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	7/25/2011	6/16/2011	5/19/2011	4/22/2011	3/23/2011
1,1,1-Trichloroethane	<39.6	<33.9	<280	<36.5	<39.6
1,1,2,2-Tetrachloroethane	<25.1	<21.5	<178	<46.5	<50.4
1,1,2-Trichloroethane	<19.8	<16.9	<140	<36.5	<39.6
1,1,2-Trichlorotrifluoroethane	**8,250**	**8,050**	**19,000**	**22,600**	**49,100**
1,1-Dichloroethane	<29.5	<25.3	<209	<27.2	<29.5
1,1-Dichloroethene	<29.2	<24.9	<206	<26.9	<29.2
1,2,4-Trichlorobenzene	<35.6	<30.5	<252	<32.9	<35.6
1,2,4-Trimethylbenzene	<36.0	<30.8	<254	<33.2	<36.0
1,2-Dibromoethane (EDB)	<57.6	<49.3	<407	<53.1	<57.6
1,2-Dichlorobenzene	<43.2	<37.0	<305	<39.8	<43.2
1,2-Dichloroethane	<14.8	<12.6	<104	<27.2	<29.5
1,2-Dichloropropane	<33.8	<29.0	<239	<31.2	<33.8
1,3,5-Trimethylbenzene	<36.0	<30.8	<254	<33.2	<36.0
1,3-Butadiene	<16.2	<13.9	<114	<14.9	<16.2
1,3-Dichlorobenzene	<43.2	<37.0	<305	<39.8	<43.2
1,4-Dichlorobenzene	<43.2	<37.0	<305	<39.8	<43.2
2-Butanone (MEK)	**27.1**	<18.5	<153	<19.9	<21.6
2-Hexanone	<29.9	<25.6	<211	<27.6	<29.9
2-Propanol	<90.0	<77.0	<636	<83.0	<90.0
4-Ethyltoluene	<90.0	<77.0	<636	<83.0	<90.0
4-Methyl-2-pentanone (MIBK)	<29.9	<25.6	<211	<27.6	<29.9
Acetone	**83.1**	**72.5**	<122	**88.4**	**25.4**
Benzene	<11.7	<10.0	<82.7	<21.6	<23.4
Benzyl chloride	<37.8	<32.3	<267	<34.9	<37.8
Bromodichloromethane	<50.4	<43.1	<356	<46.5	<50.4
Bromoform	<75.6	<64.7	<534	<69.7	<75.6
Bromomethane	<28.4	<24.3	<201	<26.2	<28.4
Carbon disulfide	<22.7	<19.4	<160	<20.9	<22.7
Carbon tetrachloride	<23.0	<19.7	<163	<43.2	<46.8
Chlorobenzene	<33.8	<29.0	<239	<31.2	<33.8
Chloroethane	<19.4	<16.6	<137	<17.9	<19.4
Chloroform	<35.6	<30.5	<252	<32.9	<35.6
Chloromethane	<15.1	<12.9	<107	<13.9	<15.1
cis-1,2-Dichloroethene	<29.2	<24.9	<206	<26.9	<29.2
cis-1,3-Dichloropropene	<33.1	<28.3	<234	<30.5	<33.1
Cyclohexane	<24.5	<20.9	<173	<22.6	<24.5
Dibromochloromethane	<61.2	<52.4	<432	<56.4	<61.2
Dichlorodifluoromethane	<36.0	<30.8	<254	<33.2	<36.0
Dichlorotetrafluoroethane	<50.4	<43.1	<356	<46.5	<50.4
Ethanol	**198**	**201**	<483	**137**	**139**
Ethyl acetate	<26.3	<22.5	<186	<24.2	<26.3
Ethylbenzene	<31.7	<27.1	<224	<29.2	<31.7
Hexachloro-1,3-butadiene	<79.2	<67.8	<560	<73.0	<79.2
m&p-Xylene	<63.4	<54.2	<448	<58.4	<63.4
Methylene Chloride	<25.6	<21.9	<181	<23.6	**310**
Methyl-tert-butyl ether	<26.3	<22.5	<186	<24.2	<26.3
Naphthalene	<97.2	<83.2	<687	<89.6	<97.2
n-Heptane	<29.9	<25.6	<211	<27.6	<29.9
n-Hexane	<25.9	<22.2	<183	<23.9	**40.9**
o-Xylene	<31.7	<27.1	<224	<29.2	<31.7
Propylene	<12.6	<10.8	<89.0	<11.6	<12.6
Styrene	<31.3	<26.8	<221	<28.9	<31.3
Tetrachloroethene	**308**	**668**	**6,270**	**6,840**	**7,340**
Tetrahydrofuran	<21.6	<18.5	<153	<19.9	<21.6
Toluene	<27.7	<23.7	<196	<25.6	<27.7
trans-1,2-Dichloroethene	<29.2	<24.9	<206	<26.9	<29.2
trans-1,3-Dichloropropene	<33.1	<28.3	<234	<30.5	<33.1
Trichloroethene	<19.8	<16.9	<140	<36.5	<39.6
Trichlorofluoromethane	<39.6	<33.9	<280	<36.5	<39.6
Vinyl acetate	<25.6	<21.9	<181	<23.6	<25.6
Vinyl chloride	<9.4	<8.0	<66.1	<17.3	<18.7
TOTAL VOCs	**8,991**	**25,270**	**29,665**	**56,955**	**21,690**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE EXHAUST 0798	DPE EXHAUST 1513	DPE EXHAUST 0224	DPE EXHAUST 0965	DPE EXHAUST 0096
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	1/2-hr Composite[1]
Collected Date	2/28/2011	1/20/2011	12/23/2010	10/18/2010	9/27/2010
1,1,1-Trichloroethane	<140	**20.8**	**45.6**	<146	<2.3
1,1,2,2-Tetrachloroethane	<88.8	<2.2	<46.5	<186	<3.0
1,1,2-Trichloroethane	<70.0	<1.7	<36.5	<146	<2.3
1,1,2-Trichlorotrifluoroethane	**17,100**	**56,200**	**42,700**	**16,300**	**9.2**
1,1-Dichloroethane	<104	<1.3	<27.2	<109	<1.7
1,1-Dichloroethene	<103	<1.3	<26.9	<108	<1.7
1,2,4-Trichlorobenzene	<126	<1.6	<32.9	<131	<2.1
1,2,4-Trimethylbenzene	<127	**3.3**	<33.2	**153**	<5.3
1,2-Dibromoethane (EDB)	<204	<2.5	<53.1	<212	<3.4
1,2-Dichlorobenzene	<153	<1.9	<39.8	<159	<2.6
1,2-Dichloroethane	<52.2	<1.3	<27.2	<109	<1.7
1,2-Dichloropropane	<120	<1.5	<31.2	<125	<2.0
1,3,5-Trimethylbenzene	<127	<1.6	<33.2	<133	<5.3
1,3-Butadiene	<57.2	<0.72	<14.9	<59.8	<0.96
1,3-Dichlorobenzene	<153	<1.9	<39.8	<159	<2.6
1,4-Dichlorobenzene	<153	<1.9	<39.8	<159	<2.6
2-Butanone (MEK)	<76.3	**41.4**	**26.9**	**1,120**	**12.1**
2-Hexanone	<106	<1.3	<27.6	<110	<1.8
2-Propanol	<318	**21.9**	<83.0	**484**	**9.6**
4-Ethyltoluene	<318	<4.0	<83.0	<332	<5.3
4-Methyl-2-pentanone (MIBK)	<106	**8.3**	<27.6	<110	<1.8
Acetone	<61.1	**29.0**	**78.0**	**227**	**53.9**
Benzene	<41.3	<1.0	<21.6	<86.3	<1.4
Benzyl chloride	<134	<1.7	<34.9	<139	<2.2
Bromodichloromethane	<178	<2.2	<46.5	<186	<3.0
Bromoform	<267	<3.3	<69.7	<279	<4.5
Bromomethane	<100	<1.3	<26.2	<105	<1.7
Carbon disulfide	<80.1	<1.0	<20.9	<83.7	<1.3
Carbon tetrachloride	<81.4	<2.1	<43.2	<173	<2.8
Chlorobenzene	<120	<1.5	<31.2	<125	<2.0
Chloroethane	<68.7	<0.86	<17.9	<71.7	<1.2
Chloroform	<126	**4.9**	<32.9	<131	<2.1
Chloromethane	<53.4	<0.67	<13.9	<55.8	**1.2**
cis-1,2-Dichloroethene	<103	**36.3**	**77.3**	<108	<1.7
cis-1,3-Dichloropropene	<117	<1.5	<30.5	<122	<2.0
Cyclohexane	<86.5	<1.1	<22.6	<90.3	<1.4
Dibromochloromethane	<216	<2.7	<56.4	<226	<3.6
Dichlorodifluoromethane	<127	<1.6	<33.2	<133	**2.6**
Dichlorotetrafluoroethane	<178	<2.2	<46.5	<186	<3.0
Ethanol	<242	**286**	**726**	<252	**48.3**
Ethyl acetate	<92.9	**3.4**	<24.2	<96.9	<1.6
Ethylbenzene	<112	**2.0**	<29.2	<117	<1.9
Hexachloro-1,3-butadiene	<280	<3.5	<73.0	<292	<4.7
m&p-Xylene	<224	**6.9**	<58.4	<234	<3.7
Methylene Chloride	<90.3	**101**	<23.6	<94.3	**294**
Methyl-tert-butyl ether	<92.9	<1.2	<24.2	<96.9	<1.6
Naphthalene	<343	<4.3	<89.6	<359	<5.8
n-Heptane	<106	<1.3	<27.6	<110	<1.8
n-Hexane	<91.6	<1.1	<23.9	<95.6	**45.9**
o-Xylene	<112	**5.8**	<29.2	<117	<1.9
Propylene	<44.5	<0.56	<11.6	<46.5	**1.3**
Styrene	<111	<1.4	<28.9	<116	<1.9
Tetrachloroethene	**4,590**	**5,040**	**2,680**	**1,300**	**6.5**
Tetrahydrofuran	<76.3	**6.3**	<19.9	<79.7	<1.3
Toluene	<97.9	**12.3**	<25.6	**102**	**21.2**
trans-1,2-Dichloroethene	<103	<1.3	<26.9	<108	<1.7
trans-1,3-Dichloropropene	<117	<1.5	<30.5	<122	<2.0
Trichloroethene	<70.0	**14.8**	<36.5	<146	**42.3**
Trichlorofluoromethane	<140	<1.7	<36.5	<146	<2.3
Vinyl acetate	<90.3	<1.1	<23.6	<94.3	<1.5
Vinyl chloride	<33.1	<0.83	<17.3	<69.1	<1.1
TOTAL VOCs	**61,844**	**46,334**	**19,686**	**548**	**493,213**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.

Bold: Parameter detected above the reporting limit.

NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE EXHAUST 764	DPE EXHAUST 1248	DPE EXHAUST 764	DPE EXHAUST 726	DPE EXHAUST 1316
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	7/26/2010	6/17/2010	5/12/2010	4/16/2010	3/25/2010
1,1,1-Trichloroethane	<79.2	<760	**12.9**	ND	**30.7**
1,1,2,2-Tetrachloroethane	<101	<968	<2.7	ND	<2.5
1,1,2-Trichloroethane	<79.2	<760	<2.1	ND	<2.0
1,1,2-Trichlorotrifluoroethane	**3,720**	**342,000**	**21,900**	**153,000**	**115,000**
1,1-Dichloroethane	<59.0	<567	<1.6	ND	<1.5
1,1-Dichloroethene	<58.3	<560	<1.6	ND	**3.0**
1,2,4-Trichlorobenzene	<71.3	<684	<1.9	ND	<1.8
1,2,4-Trimethylbenzene	<180	<1730	<4.8	ND	**12.8**
1,2-Dibromoethane (EDB)	<115	<1110	<3.1	ND	<2.9
1,2-Dichlorobenzene	<86.4	<829	**5.5**	ND	<2.2
1,2-Dichloroethane	<59.0	<567	<1.6	ND	<1.5
1,2-Dichloropropane	<67.7	<650	**2.5**	ND	<1.7
1,3,5-Trimethylbenzene	<180	<1730	<4.8	ND	<4.5
1,3-Butadiene	<32.4	<311	<0.87	ND	<0.81
1,3-Dichlorobenzene	<86.4	<829	<2.3	ND	<2.2
1,4-Dichlorobenzene	<86.4	<829	**3.7**	ND	<2.2
2-Butanone (MEK)	<43.2	<415	**18.0**	ND	**44.2**
2-Hexanone	<59.8	<574	<1.6	ND	<1.5
2-Propanol	<180	<1730	**7.9**	ND	**19.0**
4-Ethyltoluene	<180	<1730	<4.8	ND	<4.5
4-Methyl-2-pentanone (MIBK)	<59.8	<574	<1.6	ND	<1.5
Acetone	**74.8**	<332	**509**	ND	**163**
Benzene	<46.8	<449	<1.3	ND	<1.2
Benzyl chloride	<1210	<726	<2.0	ND	<1.9
Bromodichloromethane	<101	<968	<2.7	ND	<2.5
Bromoform	<151	<1450	<4.1	ND	<3.8
Bromomethane	<56.9	<546	<1.5	ND	<1.4
Carbon disulfide	<45.4	<435	**7.7**	ND	**1.3**
Carbon tetrachloride	<93.6	<899	<2.5	ND	<2.3
Chlorobenzene	<67.7	<650	**3.1**	ND	<1.7
Chloroethane	<38.9	<373	<1.0	ND	<0.97
Chloroform	<71.3	<684	**4.9**	ND	**11.3**
Chloromethane	<30.2	<290	**9.6**	ND	<0.76
cis-1,2-Dichloroethene	**272**	**1,070**	**33.6**	ND	**80.2**
cis-1,3-Dichloropropene	<66.2	<636	<1.8	ND	<1.7
Cyclohexane	<49.0	<470	**3.7**	ND	**2.2**
Dibromochloromethane	<122	<1180	<3.3	ND	<3.1
Dichlorodifluoromethane	<72.0	<691	**4.1**	ND	**11.0**
Dichlorotetrafluoroethane	<101	<968	<2.7	ND	<2.5
Ethanol	<2190	<1310	**67.3**	ND	**26.1**
Ethyl acetate	<52.6	<505	<1.4	ND	<1.3
Ethylbenzene	<63.4	<608	<1.7	ND	**118**
Hexachloro-1,3-butadiene	<158	<1520	<4.2	ND	<4.0
m&p-Xylene	<127	<1220	**5.1**	ND	**456**
Methylene Chloride	<51.1	<491	<1.4	ND	<1.3
Methyl-tert-butyl ether	<52.6	<505	<1.4	ND	<1.3
Naphthalene	<194	<1870	<5.2	ND	<4.9
n-Heptane	<59.8	<574	**2.0**	ND	**2.7**
n-Hexane	<51.8	<498	<1.4	ND	**4.7**
o-Xylene	<63.4	<608	**1.8**	ND	**159**
Propylene	<25.2	<242	<0.68	ND	<0.63
Styrene	<62.6	<601	<1.7	ND	<1.6
Tetrachloroethene	**489,000**	**689,000**	**27,900**	**282,000**	**215,000**
Tetrahydrofuran	**45.3**	<415	**15.0**	ND	**58.0**
Toluene	<55.4	<532	**8.0**	ND	**28.4**
trans-1,2-Dichloroethene	<58.3	<560	<1.6	ND	<1.5
trans-1,3-Dichloropropene	<66.2	<636	<1.8	ND	<1.7
Trichloroethene	**101**	<760	**24.5**	**3,730**	**43.7**
Trichlorofluoromethane	<79.2	<760	<2.1	ND	<2.0
Vinyl acetate	<51.1	<491	**3.0**	ND	**8.9**
Vinyl chloride	<37.4	<359	<1.0	ND	<0.94
TOTAL VOCs	**1,032,070**	**50,553**	**438,730**	**331,284**	**2,364,821**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE EXHAUST 1037	DPE OUTLET 1042	DPE-OUTLET 0903	DPE-OUTLET 1254	DPE-EFFLUENT 519
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	2/22/2010	1/14/2010	12/17/2009	11/17/2009	10/16/2009
1,1,1-Trichloroethane	**61**	ND	**23.9**	ND	**81.7**
1,1,2,2-Tetrachloroethane	ND	ND	ND	ND	<2.2
1,1,2-Trichloroethane	ND	ND	ND	ND	<1.7
1,1,2-Trichlorotrifluoroethane	**644,000**	**2,720,000**	**4,440**	**72,100**	**172**
1,1-Dichloroethane	ND	ND	ND	ND	<1.3
1,1-Dichloroethene	**7.66**	ND	ND	ND	**13.9**
1,2,4-Trichlorobenzene	ND	ND	ND	ND	<1.5
1,2,4-Trimethylbenzene	ND	ND	ND	ND	<3.8
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	<2.5
1,2-Dichlorobenzene	ND	ND	ND	ND	<1.8
1,2-Dichloroethane	ND	ND	ND	ND	<1.3
1,2-Dichloropropane	**7.05**	ND	ND	ND	<1.4
1,3,5-Trimethylbenzene	ND	ND	ND	ND	<3.8
1,3-Butadiene	ND	ND	ND	ND	<0.69
1,3-Dichlorobenzene	ND	ND	ND	ND	<1.8
1,4-Dichlorobenzene	ND	ND	ND	ND	<1.8
2-Butanone (MEK)	**12.9**	ND	ND	ND	**12.2**
2-Hexanone	ND	ND	ND	ND	<1.3
2-Propanol	NA	NA	NA	NA	**4.9**
4-Ethyltoluene	ND	ND	ND	ND	<3.8
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	ND	<1.3
Acetone	**84.5**	**76,800**	**126**	**116**	**37,000**
Benzene	ND	ND	**16.2**	ND	**1.1**
Benzyl chloride	NA	NA	NA	NA	NA
Bromodichloromethane	ND	ND	ND	ND	<2.2
Bromoform	ND	ND	ND	ND	<3.2
Bromomethane	ND	ND	ND	ND	<1.2
Carbon disulfide	ND	ND	ND	ND	<0.97
Carbon tetrachloride	ND	ND	ND	ND	<2.0
Chlorobenzene	ND	ND	ND	ND	<1.4
Chloroethane	ND	ND	ND	ND	<0.83
Chloroform	**15.4**	ND	ND	ND	**25.8**
Chloromethane	ND	ND	ND	ND	<0.65
cis-1,2-Dichloroethene	**198**	ND	**47.2**	**118**	**257**
cis-1,3-Dichloropropene	ND	ND	ND	ND	<1.4
Cyclohexane	**14.3**	ND	**766**	ND	<1.0
Dibromochloromethane	ND	ND	ND	ND	<2.6
Dichlorodifluoromethane	ND	ND	ND	ND	<1.5
Dichlorotetrafluoroethane	ND	ND	ND	ND	<2.2
Ethanol	NA	NA	NA	NA	**8.9**
Ethyl acetate	ND	ND	ND	ND	<1.1
Ethylbenzene	ND	ND	ND	ND	**7.9**
Hexachloro-1,3-butadiene	ND	ND	ND	ND	<3.4
m&p-Xylene	ND	ND	ND	ND	**25.0**
Methylene Chloride	ND	ND	**270**	ND	<1.1
Methyl-tert-butyl ether	ND	ND	ND	ND	<1.1
Naphthalene	NA	NA	NA	NA	**5.6**
n-Heptane	ND	ND	ND	ND	<1.3
n-Hexane	**135**	ND	ND	ND	**2.1**
o-Xylene	ND	ND	ND	ND	**7.5**
Propylene	ND	ND	ND	ND	<0.54
Styrene	ND	ND	ND	ND	<1.3
Tetrachloroethene	**1,720,000**	**8,550,000**	**6,790**	**381,000**	**571,000**
Tetrahydrofuran	**45.6**	**56,400**	ND	**145**	**36.2**
Toluene	**124**	ND	**9.58**	ND	**17.6**
trans-1,2-Dichloroethene	ND	ND	ND	ND	<1.2
trans-1,3-Dichloropropene	ND	ND	ND	ND	<1.4
Trichloroethene	**116**	ND	**21.3**	ND	**153**
Trichlorofluoromethane	ND	ND	ND	ND	<1.7
Vinyl acetate	ND	ND	ND	ND	**7.4**
Vinyl chloride	ND	ND	ND	ND	<0.80
TOTAL VOCs	**11,403,200**	**12,510**	**453,479**	**608,840**	**494,779**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 3

AIR EMISSIONS ANALYTICAL RESULTS
(micrograms per cubic meter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	DPE-EFFLUENT 253	DPE - EFFLUENT 0680
Wells Operating	DPE-1	DPE-1
Sample Collection Method	Grab	Grab
Collected Date	10/15/2009	9/4/2009
1,1,1-Trichloroethane	**4.2**	**127**
1,1,2,2-Tetrachloroethane	<2.1	<2.1
1,1,2-Trichloroethane	<1.6	<1.6
1,1,2-Trichlorotrifluoroethane	**97,900**	**153,000**
1,1-Dichloroethane	<1.2	<1.2
1,1-Dichloroethene	<1.2	15.0
1,2,4-Trichlorobenzene	<1.5	<1.5
1,2,4-Trimethylbenzene	<3.7	**10.2**
1,2-Dibromoethane (EDB)	<2.4	<2.4
1,2-Dichlorobenzene	<1.8	<1.8
1,2-Dichloroethane	<1.2	<1.2
1,2-Dichloropropane	<1.4	<1.4
1,3,5-Trimethylbenzene	<3.7	**5.0**
1,3-Butadiene	<0.67	<0.67
1,3-Dichlorobenzene	<1.8	**6.0**
1,4-Dichlorobenzene	<1.8	**8.6**
2-Butanone (MEK)	<0.89	**15.8**
2-Hexanone	<1.2	<1.2
2-Propanol	<3.7	<3.7
4-Ethyltoluene	<3.7	**6.0**
4-Methyl-2-pentanone (MIBK)	<1.2	<1.2
Acetone	**501**	**7,510**
Benzene	**1.5**	**2.3**
Benzyl chloride	NA	NA
Bromodichloromethane	<2.1	<2.1
Bromoform	<3.1	<3.1
Bromomethane	<1.2	<1.2
Carbon disulfide	<0.93	**5.9**
Carbon tetrachloride	<1.9	<1.9
Chlorobenzene	<1.4	<1.4
Chloroethane	<0.80	<0.80
Chloroform	<1.5	**21.5**
Chloromethane	<0.62	<0.62
cis-1,2-Dichloroethene	**21.5**	**2,620**
cis-1,3-Dichloropropene	<1.4	<1.4
Cyclohexane	<1.0	**3.5**
Dibromochloromethane	<2.5	<2.5
Dichlorodifluoromethane	**2.8**	<1.5
Dichlorotetrafluoroethane	<2.1	<2.1
Ethanol	**8.4**	**5.7**
Ethyl acetate	<1.1	<1.1
Ethylbenzene	<1.3	<1.3
Hexachloro-1,3-butadiene	<3.3	<3.3
m&p-Xylene	**2.6**	**14.2**
Methylene Chloride	**276**	<1.1
Methyl-tert-butyl ether	<1.1	<1.1
Naphthalene	<4.0	**4.2**
n-Heptane	<1.2	**2.6**
n-Hexane	**35.4**	**3.4**
o-Xylene	<1.3	**4.8**
Propylene	<0.52	<0.52
Styrene	<1.3	<1.3
Tetrachloroethene	**396,000**	**3,630,000**
Tetrahydrofuran	<0.89	**31.1**
Toluene	**10.3**	**14.4**
trans-1,2-Dichloroethene	<1.2	**4.2**
trans-1,3-Dichloropropene	<1.4	<1.4
Trichloroethene	**13.6**	**1,640**
Trichlorofluoromethane	**1.7**	**2.2**
Vinyl acetate	<1.1	**8.7**
Vinyl chloride	<0.77	<0.77
TOTAL VOCs	**3,795,077**	**14,603,780**

1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
Bold: Parameter detected above the reporting limit.
NA: Not analyzed

TABLE 4

EMISSIONS RATES SUMMARY
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	DPE Wells Operating	Parameter	Conc. (ug/m^3)	RRASS Emissions Summary						PR Program Emissions Summary					
				DPE (ug per sec)	AS (ug per sec)	Site Specific (ug per sec)	Excess Lifetime Cancer Risk (guideline value = 1E-05)	SER for Chronic Risk (ug per sec)	SER for Acute Risk (ug per sec)	DPE (ug per sec)	AS (ug per sec)	Site Specific (ug per sec)	Acute Hazard Quotient	Chronic Hazard Quotient	Excess Lifetime Cancer Risk (guideline value = 1E-05)
9/4/2009	DPE-1	PCE	3,630,000	61,710	70	**61,780**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/15/2009	DPE-1	PCE	396,000	5,940	5.6	5,946	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/16/2009	All Wells	PCE	571,000	8,565	5.6	8,571	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
11/17/2009	All Wells	PCE	381,000	4,953	0.5	4,953	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
12/17/2009	All Wells	PCE	6,790	197	0.5	197	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
1/14/2010	All Wells	PCE	8,550,000	393,300	3.9	**393,304**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
2/22/2010	All Wells	PCE	1,720,000	82,560	1.3	**82,561**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
3/25/2010	All Wells	PCE	215,000	11,180	2.1	11,182	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
4/16/2010	All Wells	PCE	282,000	9,588	1.3	9,589	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
5/12/2010	All Wells	PCE	27,900	1,729	0.8	1,730	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
6/17/2010	All Wells	PCE	689,000	11,713	3.9	11,717	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
7/26/2010	All Wells	PCE	489,000	22,983	1.2	**22,984**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/18/2010	All Wells	PCE	1,300	79	6.5	86	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
12/23/2010	All Wells	PCE	2,680	64	3.2	68	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
1/20/2011	All Wells	PCE	5,040	282	3.5	286	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
2/28/2011	All Wells	PCE	4,590	225	4.1	229	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
3/23/2011	All Wells	PCE	7,340	250	0.18	250	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
4/22/2011	All Wells	PCE	6,840	233	5.53	239	1.5E-07	16,300	5,980,000	235	5	240	0	0	1.9E-07
5/19/2011	All Wells	PCE	6,270	125	0.67	126	7.8E-08	16,300	5,980,000	121	1	122	0	0	9.8E-08
6/16/2011	All Wells	PCE	668	14	0.40	14	8.9E-09	16,300	5,980,000	14	0	14	0	0	1.2E-08
7/25/2011	All Wells	PCE	308	NA	NA	NA	NA	NA	NA	6	5	11	0	0	8.5E-09
8/28/2011	All Wells	PCE	0	NA	NA	NA	NA	NA	NA	0	7	7	0	0	5.5E-09
9/29/2011	DPE-1,2,3,4	PCE	3,420	NA	NA	NA	NA	NA	NA	97	0	97	0	0	1.0E-07
10/27/2011	DPE-1,2,3,4	PCE	180	NA	NA	NA	NA	NA	NA	4	0	4	0	0	5.2E-09
11/21/2011	DPE-1,2,3,4	PCE	22,100	NA	NA	NA	NA	NA	NA	578	1	579	0	0	5.1E-07
1/27/2012	DPE-1,2,3,4	PCE	29,100	NA	NA	NA	NA	NA	NA	674	3	677	0	0	3.7E-10
2/16/2012	DPE-1,2,3,4	PCE	4,440	NA	NA	NA	NA	NA	NA	84	2	86	0	0	7.1E-08
3/16/2012	DPE-1,2,3,4	PCE	0	NA	NA	NA	NA	NA	NA	0	1	1	0	0	4.9E-10
4/17/2012	DPE-1,2,3,4	PCE	20,600	NA	NA	NA	NA	NA	NA	284	1	285	0	0	2.4E-07
5/17/2012	DPE-1,2,3,4	PCE	25,200	NA	NA	NA	NA	NA	NA	384	1	385	0	0	3.1E-07
6/14/2012	DPE-1,2,3,4	PCE	11,200	NA	NA	NA	NA	NA	NA	204	1	205	0	0	1.6E-07

Notes:
SERs: MPCA Screening Emissions Rates
61,780 Emissions rate is above MPCA SER
NA: Not Applicable

Table 5

Mass Removal from Groundwater Treatment System
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Monitoring Period		Days per Period	Hours per Period	Flow Meter Reading (gallons)	Gallons Treated During Period	Average Flow Rate (gpm)	Average Flow Rate (liter/sec)	Total VOCs		% Reduction	Mass Removed per Period (lbs)	Cumulative Mass Removed (lbs)	Addition to Emission Rate (lbs/day)
Start Date[1]	End Date							Influent Conc. (ug/L)	Effluent Conc. (ug/L)				
4/9/2009[2]	4/9/2009	0	2	119	51	0.4	0.027	176,343	NA	NA	NA	NA	NA
6/4/2009	6/4/2009[3]	0	2	192	73	0.6	0.038	4,630	8,991	-94	NA	NA	NA
6/4/2009	7/9/2009	11	264	16,115	15,923	1.0	0.063	1,547	479	69	0.14	0.14	0.01
7/9/2009	9/4/2009	57	1368	38,299	22,184	0.3	0.017	191	20	90	0.03	0.17	0.001
9/4/2009	10/15/2009	41	984	62,643	24,344	0.4	0.026	238	0	100	0.05	0.22	0.001
10/15/2009	11/16/2009	32	768	73,800	11,157	0.2	0.015	31	0	100	0.00	0.22	0.000
11/16/2009	12/17/2009[4]	31	744	89,800	16,000	0.4	0.023	24	12	50	0.00	0.23	0.000
12/17/2009	1/14/2010	28	672	106,024	16,224	0.4	0.025	309	32	90	0.04	0.26	0.001
1/14/2010	2/22/2010	39	936	122,167	16,143	0.3	0.018	73	16	78	0.01	0.27	0.000
2/22/2010	3/25/2010[5,6]	31	744	148,206	26,039	0.6	0.037	507	764	-51	-0.06	0.27	-0.002
3/25/2010[5,6]	4/16/2010[5]	22	528	161,857	13,651	0.4	0.027	61	525	-765	-0.05	0.27	-0.002
4/16/2010	5/12/2010	26	624	170,079	8,222	0.2	0.014	66	0	100	0.005	0.28	0.000
5/12/2010	6/17/2010	36	864	200,398	30,319	0.6	0.037	119	24	80	0.024	0.30	0.001
6/17/2010	7/26/2010	39	936	226,504	26,106	0.5	0.029	41	0	100	0.009	0.31	0.000
7/26/2010	9/27/2010	63	1512	240,247	13,743	0.2	0.010	84	18	79	0.008	0.32	0.000
9/27/2010	10/18/2010	21	504	255,417	15,170	0.5	0.032	210	6	97	0.026	0.34	0.001
10/18/2010	12/22/2010	65	1560	283,957	28,540	0.3	0.019	173	11	94	0.038	0.38	0.001
12/22/2010	1/20/2011	29	696	328,912	44,955	1.1	0.068	52	0	100	0.019	0.40	0.001
1/20/2011	3/1/2011	40	960	357,774	28,862	0.5	0.032	131	0	100	0.031	0.43	0.001
3/1/2011	3/23/2011	22	528	369,603	11,829	0.4	0.024	43	7	84	0.004	0.43	0.000
3/23/2011	4/22/2011	30	720	461,499	91,896	2.1	0.134	41	0	100	0.032	0.47	0.001
4/22/2011	5/19/2011	27	648	480,836	19,337	0.5	0.031	22	0	100	0.004	0.47	0.000
5/19/2011	6/16/2011	28	672	487,852	7,016	0.2	0.011	43	0	100	0.003	0.47	0.000
6/16/2011	7/25/2011	39	936	606,917	119,065	2.1	0.134	37	0	100	0.037	0.51	0.001
7/25/2011	8/28/2011	34	816	645,249	38,332	0.8	0.049	51	5	90	0.015	0.52	0.000
8/28/2011	9/29/2011	32	768	673,352	28,103	0.6	0.038	45	7	86	0.009	0.53	0.000
9/29/2011	10/27/2011	28	672	694,330	20,978	0.5	0.033	41	0	100	0.007	0.54	0.000
10/27/2011	11/21/2011	25	600	716,049	21,719	0.6	0.038	32	0	100	0.006	0.55	0.000
11/21/2011	1/20/2012	60	1440	725,742	9,693	0.1	0.007	149	45	70	0.008	0.55	0.000
1/20/2012	1/27/2012	7	168	731,337	5,595	0.6	0.035	76	0	100	0.004	0.56	0.001
1/27/2012	2/16/2012	20	480	746,725	15,388	0.5	0.034	52	0	100	0.007	0.56	0.000
2/16/2012	3/16/2012	29	696	757,124	10,399	0.2	0.016	87	0	100	0.007	0.57	0.000
3/16/2012	4/17/2012	32	768	783,562	26,438	0.6	0.036	40	0	100	0.009	0.58	0.000
4/17/2012	5/17/2012	30	720	809,091	25,529	0.6	0.037	23	0	100	0.005	0.58	0.000
5/17/2012	6/14/2012	28	672	830,565	21,474	0.5	0.034	39	3	92	0.006	0.59	0.000

Notes:

1. The initial reading of the transfer pump totalizer was 68 gallons.
2. Initial sampling event to determine if groundwater treatment was necessary.
3. Increase in total VOCs was from PVC glue and cement that was used during the construction of the DPE system and air stripper.
4. Based on the PCE concentrations in the AS-Influent and AS-Effluent samples, it appears as if the samples were mislabeled or mixed up at the lab. Therefore, the influent and effluent total VOC data in this table has been changed to show the highest total VOC concentration data as the influent data and the lowest total VOC concentration as the effluent data.
5. Increase in total VOCs was from PVC glue and cement that was used during installation of the secondary demister moisture separator.
6. Flow totalizer reading switched from the analog flow meter reading to the field totalizer reading for better accuracy.
7. Discharge flow meter malfunction caused invalid field totalizer reading; therefore, analog flow totalizer was used starting on 4/22/11.
8. Analog flow totalizer reading on 10/27/11 was estimated from field readings from Oct. 27 and Sept 29, 2011.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	6/14/2012	6/14/2012	5/17/2012	5/17/2012	4/17/2012	4/17/2012	3/16/2012	3/16/2012
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA
2-Methylnaphthalene	NA*	NA*	NA*	NA*	<5.0	<5.0	NA	NA
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Acrolein	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA
Acrylonitrile	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	4	<4.0
Chloroprene	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**39.0**	**3.3**	**22.7**	<1.0	**39.6**	<1.0	**86.5**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	NA*	NA*	<0.40	<0.40	<10.0	<10.0	NA	NA
Vinyl chloride	<0.40	<0.40	<3.0	<3.0	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**39**	**3.3**	**22.7**	**0**	**39.6**	**0**	**91.7**	**0**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	6/14/2012	6/14/2012	5/17/2012	5/17/2012	4/17/2012	4/17/2012	3/16/2012	3/16/2012

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	2/16/2012	2/16/2012	1/27/2012	1/27/2012	1/20/2012	1/20/2012	11/21/2011	11/21/2011
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	**2.9**	**6.4**	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	**8.8**	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Acrolein	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	**9.4**	**7.8**	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**51.8**	<1.0	**76.3**	<1.0	**149**	**45.1**	**31.6**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**51.8**	**0**	**76.3**	**0**	**149**	**45.1**	**31.6**	**0**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	2/16/2012	2/16/2012	1/27/2012	1/27/2012	1/20/2012	1/20/2012	11/21/2011	11/21/2011

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	10/27/2011	10/27/2011	9/29/2011	9/29/2011	8/28/2011	8/28/2011	7/25/2011	7/25/2011
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	**6.5**	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Acrolein	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	**4.9**	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<10.0	<10.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**40.3**	<1.0	**45.1**	<1.0	**50.7**	<1.0	**37.0**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**40.3**	**0**	**45.1**	**6.5**	**50.7**	**4.9**	**37**	**0**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	10/27/2011	10/27/2011	9/29/2011	9/29/2011	8/28/2011	8/28/2011	7/25/2011	7/25/2011

C glue and cement from construction of the DPE system and air stripper.

C glue and cement from installation of the secondary demister moisture separator.

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	6/16/2011	6/16/2011	5/19/2011	5/19/2011	4/22/2011	4/22/2011	3/23/2011	3/23/2011
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Acrolein	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**35.0**	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.8**
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**42.8**	<1.0	**21.8**	<1.0	**41.3**	<1.0	**7.6**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**42.8**	**0**	**21.8**	**0**	**41.3**	**0**	**42.6**	**6.8**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	6/16/2011	6/16/2011	5/19/2011	5/19/2011	4/22/2011	4/22/2011	3/23/2011	3/23/2011

s was from PVC glue and cement from construction of the DPE system and air stripper.

s was from PVC glue and cement from installation of the secondary demister moisture separator.

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	3/1/2011	3/1/2011	1/20/2011	1/20/2011	12/23/2010	12/23/2010	10/19/2010	10/19/2010
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	**2.3**	<1.0	<1.0	<1.0	**3.0**	<1.0	**1.9**	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.5**	**5.6**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	<25.0	<25.0	<25.0	<25.0	<10.0	**11.1**	<10.0	<10.0
Acrolein	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**1.3**	<1.0	<1.0	<1.0	**1.8**	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**127**	<1.0	**51.8**	<1.0	**168**	<1.0	**204**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**130.6**	**0**	**51.8**	**0**	**172.8**	**11.1**	**210.4**	**5.6**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	3/1/2011	3/1/2011	1/20/2011	1/20/2011	12/23/2010	12/23/2010	10/19/2010	10/19/2010

VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent[3]
Collected Date	7/26/2010	7/26/2010	6/17/2010	6/17/2010	5/12/2010	5/12/2010	4/16/2010	4/16/2010
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	**2.6**	<1.0	**2.5**	<1.0	**1.4**	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.9**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0	**13.3**	<10.0	<10.0	<10.0	**29.3**
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	**7.2**	**8.7**	<4.0	<4.0	**10.7**	**491**
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	<1.0	**40.6**	**108**	**2.4**	**63.4**	<1.0	**48.6**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**0**	**40.6**	**119.3**	**15.7**	**65.9**	**0**	**60.7**	**525.2**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent[3]
Collected Date	7/26/2010	7/26/2010	6/17/2010	6/17/2010	5/12/2010	5/12/2010	4/16/2010	4/16/2010

in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent[3]	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-IN Vial 2	AS-Effluent
Collected Date	3/25/2010	3/25/2010	2/22/2010	2/22/2010	1/14/2010	1/14/2010	12/17/2009	12/17/2009	12/17/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	**1.0**	<1.0	**2.1**	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	**4.9**	**7.5**	<4.0	<4.0	**7.0**	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	**11.2**	**29.8**	<10.0	<10.0	**14.6**	<10.0	<10.0	<10.0	<10.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	**37.3**	**38.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	**380**	**644**	<4.0	<4.0	**98.5**	**31.9**	<1.0	<1.0	**1.3**
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**1.3**	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Iodomethane	**17.3**	**18.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	**3.4**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**55.5**	<1.0	**69.6**	<1.0	**157**	<1.0	<1.0	<1.0	**22.7**
Tetrahydrofuran	<10.0	**20.3**	<10.0	**15.7**	**29.4**	<10.0	**11.7**	**11.5**	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	**4.9**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**507.2**	**763.5**	**73**	**15.7**	**308.8**	**31.9**	**11.7**	**11.5**	**24**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-Influent	AS-Effluent[3]	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-IN Vial 2	AS-Effluent
Collected Date	3/25/2010	3/25/2010	2/22/2010	2/22/2010	1/14/2010	1/14/2010	12/17/2009	12/17/2009	12/17/2009

s was from PVC glue and cement from construction of the DPE system and air stripper.

s was from PVC glue and cement from installation of the secondary demister moisture separator.

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-INFLUENT	AS-EFFLUENT	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-INFLUENT	AS-EFFLUENT
Collected Date	11/16/2009	11/16/2009	10/15/2009	10/15/2009	9/4/2009	9/4/2009	7/9/2009	7/9/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	**1.4**	<1.0	**1.2**	<1.0	**10.4**	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0
2-Butanone (MEK)	<4.0	<4.0	**5.4**	<4.0	**13.5**	**19.8**	<20.0	**82.1**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0
Acetone	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	**68.7**
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<200	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<40.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Chloromethane	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	**63.3**	**76.4**
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**1.5**	<1.0	**1.5**	<1.0	**13.0**	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Tetrachloroethene	**30.7**	<1.0	**214**	<1.0	**175**	<1.0	**1460**	<1.0
Tetrahydrofuran	<10.0	<10.0	**15.7**	<10.0	<10.0	<10.0	<50.0	**252**
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<100	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<3.0
Total VOC Concentration	**30.7**	**0**	**238**	**0**	**191.2**	**19.8**	**1,546.7**	**479.2**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS-INFLUENT	AS-EFFLUENT	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-INFLUENT	AS-EFFLUENT
Collected Date	11/16/2009	11/16/2009	10/15/2009	10/15/2009	9/4/2009	9/4/2009	7/9/2009	7/9/2009

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS INFLUENT	AS EFFLUENT[2]	DPE Discharge[1]
Collected Date	6/4/2009	6/4/2009	4/9/2009
1,1,1,2-Tetrachloroethane	<50.0	<1.0	<5.0
1,1,1-Trichloroethane	<50.0	<1.0	**29.4**
1,1,2,2-Tetrachloroethane	<50.0	<1.0	<5.0
1,1,2-Trichloroethane	<200	<4.0	<20.0
1,1,2-Trichlorotrifluoroethane	**53.7**	<1.0	**7860**
1,1-Dichloroethane	<50.0	<1.0	<5.0
1,1-Dichloroethene	<50.0	<1.0	<5.0
1,1-Dichloropropene	<50.0	<1.0	<5.0
1,2,3-Trichlorobenzene	<50.0	<1.0	<5.0
1,2,3-Trichloropropane	<50.0	<1.0	<5.0
1,2,4-Trichlorobenzene	<50.0	<1.0	<5.0
1,2,4-Trimethylbenzene	<50.0	<1.0	**26.0**
1,2-Dibromo-3-chloropropane	<200	<4.0	<20.0
1,2-Dibromoethane (EDB)	<50.0	<1.0	<5.0
1,2-Dichlorobenzene	<50.0	<1.0	<5.0
1,2-Dichloroethane	<50.0	<1.0	<5.0
1,2-Dichloropropane	<50.0	<1.0	<5.0
1,3,5-Trimethylbenzene	<50.0	<1.0	**7.1**
1,3-Dichlorobenzene	<50.0	<1.0	<5.0
1,3-Dichloropropane	<50.0	<1.0	<5.0
1,4-Dichlorobenzene	<50.0	<1.0	**7.8**
2,2-Dichloropropane	<50.0	<1.0	<5.0
2-Butanone (MEK)	<200	**1670**	**392**
2-Chloroethylvinyl ether	<1250	<25.0	<50.0
2-Chlorotoluene	<50.0	<1.0	**51.0**
2-Hexanone	<200	<4.0	<20.0
2-Methylnaphthalene	<250	<5.0	<25.0
4-Chlorotoluene	<50.0	<1.0	<5.0
4-Methyl-2-pentanone (MIBK)	<250	<5.0	<25.0
Acetone	<500	**987**	<50.0
Acrolein	<2000	<40.0	<200
Acrylonitrile	<500	<10.0	<50.0
Allyl chloride	<200	<4.0	<20.0
Benzene	<50.0	<1.0	<5.0
Bromobenzene	<50.0	<1.0	<5.0
Bromochloromethane	<50.0	<1.0	<5.0
Bromodichloromethane	<200	<4.0	<20.0
Bromoform	<400	<8.0	<40.0
Bromomethane	<200	<4.0	<20.0
Carbon disulfide	<50.0	<1.0	<5.0
Carbon tetrachloride	<50.0	<1.0	<5.0
Chlorobenzene	<50.0	<1.0	<5.0
Chloroethane	<50.0	<1.0	<5.0
Chloroform	<50.0	<1.0	<5.0
Chloromethane	<50.0	<1.0	<5.0
Chloroprene	<50.0	<1.0	<5.0
cis-1,2-Dichloroethene	**62.9**	<1.0	**206**
cis-1,3-Dichloropropene	<200	<4.0	<20.0
Dibromochloromethane	<50.0	<1.0	<5.0
Dibromomethane	<50.0	<1.0	<5.0
Dichlorodifluoromethane	<50.0	<1.0	<5.0
Dichlorofluoromethane	<50.0	<1.0	<5.0
Diethyl ether (Ethyl ether)	<200	<4.0	<20.0
Ethylbenzene	<50.0	<1.0	<5.0
Hexachloro-1,3-butadiene	<200	<4.0	<20.0
Iodomethane	<200	<4.0	<20.0
Isopropylbenzene (Cumene)	<50.0	<1.0	<5.0
m&p-Xylene	<100	<2.0	<10.0
Methylene Chloride	<200	<4.0	<20.0
Methyl-tert-butyl ether	<50.0	<1.0	<5.0
Naphthalene	<200	<4.0	<20.0
n-Butylbenzene	<50.0	<1.0	5.0
n-Propylbenzene	<50.0	<1.0	<5.0
o-Xylene	<50.0	<1.0	<5.0
p-Isopropyltoluene	<50.0	<1.0	<5.0
sec-Butylbenzene	<50.0	<1.0	<5.0
Styrene	<50.0	<1.0	<5.0
tert-Butylbenzene	<50.0	<1.0	<5.0
Tetrachloroethene	**3970**	**33.8**	**167000**
Tetrahydrofuran	**543**	**6300**	**600**
Toluene	<50.0	<1.0	<5.0
trans-1,2-Dichloroethene	<50.0	<1.0	<5.0
trans-1,3-Dichloropropene	<200	<4.0	<20.0
Trichloroethene	<50.0	<1.0	**159**
Trichlorofluoromethane	<200	<4.0	<20.0
Vinyl acetate	<1000	<20.0	<100
Vinyl chloride	<20.0	<0.40	<2.0
Xylene (Total)	<150	<3.0	<15.0
Total VOC Concentration	**4,566.7**	**8,990.8**	**176,338.3**

Bold : Parameter detected above the reporting limit.

Bold : Total VOC Concentration is above discharge limit of 2,140 ug/L.

[1]: Initial sampling event to determine if groundwater treatment was necessary.

TABLE 6

GROUNDWATER DISCHARGE ANALYTICAL RESULTS
(micrograms per liter)
MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Sample ID	AS INFLUENT	AS EFFLUENT[2]	DPE Discharge[1]
Collected Date	6/4/2009	6/4/2009	4/9/2009

[2]: Increase in VOCs was from PVC glue and cement from construction of the DPE system and air stripper.

[3]: Increase in VOCs was from PVC glue and cement from installation of the secondary demister moisture separator.

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-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

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-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

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-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

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
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	NR	DPE system on DPE-1
DPE-1	9/4/2009	992.40	NR	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	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

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-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

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-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	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

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-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

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	17.60	975.24	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	17.44	975.40	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	17.50	975.34	DPE-1,2,3,4
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

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	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	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	7.50	982.70	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

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

WELL CONSTRUCTION SUMMARY
(elevations are in feet above mean sea level)

MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

Monitoring Well	Top of Casing Elevation[1,2]	Basement Floor Elevation	Top of Seal Elevation	Top of Filter Pack Elevation	Top of Well Screen Elevation	Bottom of Well Screen Elevation	Screen Interval (feet)	Depth to Bottom of Well (feet)	Bottom of Well Elevation	Well Completion
MW-14	989.50	989.50	989.50	986.00	984.00	974.00	10	17.5	972.00	flush-mounted
MW-15	991.50	989.50	990.50	987.50	985.50	975.50	10	18.0	973.50	stickup
MW-16	989.44	989.50	989.94	985.44	983.44	973.44	10	18.0	971.44	flush-mounted
MW-17	989.53	989.50	989.03	973.53	971.53	966.53	5	25.0	964.53	flush-mounted
MW-18	989.50	989.50	989.25	938.50	936.50	931.50	5	60.0	929.50	flush-mounted
MW-19	991.13	989.50	990.63	984.13	983.13	973.13	10	20.0	971.13	stickup
MW-20	991.50	989.50	992.80	988.80	986.80	976.80	10	16.7	974.80	stickup
DPE-1	992.40	989.50	989.53	984.53	982.53	970.53	12	21.9	970.53	stickup
DPE-2	992.80	989.50	990.28	986.28	984.28	972.28	12	20.5	972.28	stickup
DPE-3	992.48	989.50	990.42	989.42	987.42	975.42	12	17.1	975.42	stickup
DPE-4	992.40	989.50	990.07	987.07	985.07	973.07	12	19.3	973.07	stickup
DPE-5	992.46	989.50	990.32	987.32	986.32	974.32	12	18.1	974.32	stickup
DPE-6	992.40	989.50	989.87	986.87	984.87	972.87	12	19.5	972.87	stickup
DPE-7	993.48	989.50	990.32	984.32	983.32	971.32	12	22.2	971.32	stickup
DPE-8	992.84	989.50	990.84	989.34	987.34	975.34	12	17.5	975.34	stickup

Notes:

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.

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-14	12/3/2008	30.6	
	6/29/2009	30.6	
	10/1/2009	4.2	-86.3
	11/16/2009	7.1	-76.8
	2/23/2010	3.0	-90.2
	5/12/2010	3.1	-89.9
	8/18/2010	1.8	-94.1
	11/18/2010	6.6	-78.4
	3/1/2011	4.8	-84.3
	5/19/2011	5.0	-83.7
	8/28/2011	1.5	-95.1
	11/21/2011	1.5	-95.1
	2/16/2012	<1.0	-100.0
	5/17/2012	<1.0	-100.0
MW-15	12/10/2008	104	
	6/29/2009	104	
	10/1/2009	15.7	-84.9
	11/16/2009	9.5	-90.9
	2/22/2010	5.7	-94.5
	5/12/2010	2.8	-97.3
	8/18/2010	1.3	-98.8
	11/18/2010	3.3	-96.8
	3/1/2011	<1.0	-100.0
	5/19/2011	<1.0	-100.0
	8/28/2011	1.2	-98.8
	11/21/2011	<1.0	-100.0
	2/15/2012	<1.0	-100.0
	5/17/2012	<1.0	-100.0
MW-16	12/3/2008	14,100	
	6/29/2009	14,100	
	10/1/2009	6,890	-51.1
	11/16/2009	21,000	48.9
	2/22/2010	4,390	-68.9
	5/12/2010	815	-94.2
	8/18/2010	696	-95.1
	11/18/2010	2,120	-85.0
	3/1/2011	322	-97.7
	5/19/2011	1,310	-90.7
	8/28/2011	590	-95.8
	11/21/2011	75	-99.5
	2/15/2012	16.1	-99.9
	5/17/2012	7.8	-99.9

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-17	12/3/2008	363	
	6/29/2009	363	
	10/1/2009	803	121.2
	11/16/2009	1,100	203.0
	2/22/2010	639	76.0
	5/12/2010	412	13.5
	8/18/2010	174	-52.1
	11/18/2010	209	-42.4
	3/1/2011	145	-60.1
	5/19/2011	109	-70.0
	8/28/2011	107	-70.5
	11/21/2011	106	-70.8
	2/15/2012	47.1	-87.0
	5/17/2012	37.1	-89.8
MW-18	12/3/2008	257	
	6/29/2009	257	
	10/1/2009	250	-2.7
	11/16/2009	130	-49.4
	2/22/2010	96.8	-62.3
	5/12/2010	26.0	-89.9
	8/18/2010	8.4	-96.7
	11/18/2010	8.6	-96.7
	3/1/2011	4.8	-98.1
	5/19/2011	3.6	-98.6
	8/28/2011	3.6	-98.6
	11/21/2011	3.6	-98.6
	2/15/2012	2.9	-98.9
	5/17/2012	1.5	-99.4
MW-19	12/3/2008	2.4	
	6/29/2009	2.4	
	9/24/2009	17.4	625.0
	11/16/2009	13.6	466.7
	2/23/2010	12.9	437.5
	5/12/2010	7.2	200.0
	8/18/2010	4.2	75.0
	11/18/2010	4.8	100.0
	3/1/2011	4.8	100.0
	5/19/2011	4.7	95.8
	8/28/2011	2.9	20.8
	11/21/2011	2.7	12.5
	2/15/2012	2.2	-8.3
	5/17/2012	1.1	-54.2

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-20	12/10/2008	599	
	6/29/2009	599	
	10/1/2009	713	19.0
	11/16/2009	307	-48.7
	2/23/2010	402	-32.9
	5/12/2010	194	-67.6
	8/18/2010	74.7	-87.5
	11/18/2010	50.9	-91.5
	3/1/2011	211	-64.8
	5/19/2011	16.8	-97.2
	8/28/2011	12.2	-98.0
	11/21/2011	32.5	-94.6
	2/15/2012	41.8	-93.0
	5/17/2012	28.7	-95.2
DPE-1	8/7/2008	157,000	
	12/10/2008	161,000	
	6/29/2009	161,000	
	9/28/2009	6,820	-95.8
	11/16/2009	3,330	-97.9
	2/22/2010	2,610	-98.4
	5/13/2010	1,700	-98.9
	8/18/2010	965	-99.4
	12/22/2010	1,190	-99.3
	3/1/2011	101	-99.9
	5/19/2011	185	-99.9
	8/28/2011	309	-99.8
	11/21/2011	99	-99.9
	2/16/2012	26.4	-100.0
	5/17/2012	38.8	-100.0
DPE-2	12/10/2008	38,200	
	6/29/2009	38,200	
	9/28/2009	32,000	-16.2
	11/17/2009	10,600	-72.3
	2/22/2010	2,710	-92.9
	5/13/2010	5,800	-84.8
	8/18/2010	12,100	-68.3
	12/22/2010	4,690	-87.7
	3/1/2011	2,990	-92.2
	5/19/2011	1,680	-95.6
	8/28/2011	2,080	-94.6
	11/21/2011	890	-97.7
	2/16/2012	511	-98.7
	5/17/2012	206	-99.5

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
DPE-3	12/10/2008	152,000	
	6/29/2009	152,000	
	9/28/2009	20,300	-86.6
	11/17/2009	34,600	-77.2
	2/22/2010	806	-99.5
	5/13/2010	2,240	-98.5
	8/18/2010	20,400	-86.6
	12/22/2010	1,450	-99.0
	3/1/2011	12,700	-91.6
	5/19/2011	3,220	-97.9
	8/28/2011	4,260	-97.2
	11/21/2011	5,310	-96.5
	2/16/2012	1,010	-99.3
	5/17/2012	3,690	-97.6
DPE-4	12/10/2008	35,600	
	6/29/2009	35,600	
	9/28/2009	7,340	-79.4
	11/17/2009	5,040	-85.8
	2/22/2010	429	-98.8
	5/13/2010	357	-99.0
	8/18/2010	2,600	-92.7
	12/22/2010	1,100	-96.9
	3/1/2011	1,160	-96.7
	5/19/2011	367	-99.0
	8/28/2011	771	-97.8
	11/21/2011	763	-97.9
	2/16/2012	830	-97.7
	5/17/2012	223	-99.4
DPE-5	12/10/2008	1,340	
	6/29/2009	1,340	
	9/24/2009	875	-34.7
	11/17/2009	1,450	8.2
	2/22/2010	486	-63.7
	5/13/2010	205	-84.7
	8/18/2010	124	-90.7
	12/22/2010	22	-98.4
	3/1/2011	339	-74.7
	5/19/2011	67	-95.0
	8/28/2011	<1.0	-100.0
	11/21/2011	51	-96.2
	2/16/2012	70	-94.8
	5/17/2012	11	-99.2

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
DPE-6	12/10/2008	188	
	6/29/2009	188	
	9/24/2009	79.3	-57.8
	11/17/2009	104	-44.7
	2/22/2010	57.8	-69.3
	5/13/2010	14.6	-92.2
	8/18/2010	21.7	-88.5
	12/22/2010	77.1	-59.0
	3/1/2011	3.9	-97.9
	5/19/2011	23.4	-87.6
	8/28/2011	7.7	-95.9
	11/21/2011	1.9	-99.0
	2/16/2012	44.8	-76.2
	5/17/2012	<1.0	-100.0
DPE-7	12/10/2008	22.3	
	6/29/2009	22.3	
	9/24/2009	5.2	-76.7
	11/17/2009	55.2	147.5
	2/22/2010	7.3	-67.3
	5/13/2010	25.7	15.2
	8/18/2010	189	747.5
	12/22/2010	23.2	4.0
	3/1/2011	7.1	-68.2
	5/19/2011	15.9	-28.7
	8/28/2011	26.9	20.6
	11/21/2011	<1.0	-100.0
	2/16/2012	27.8	24.7
	5/17/2012	<1.0	-100.0
DPE-8	12/10/2008	14,200	
	6/29/2009	14,200	
	9/24/2009	1,850	-87.0
	11/17/2009	1,480	-89.6
	2/22/2010	90.3	-99.4
	5/13/2010	66.9	-99.5
	8/18/2010	131.0	-99.1
	12/22/2010	262.0	-98.2
	3/1/2011	415.0	-97.1
	5/19/2011	698.0	-95.1
	8/28/2011	700.0	-95.1
	11/21/2011	389.0	-97.3
	2/16/2012	NS	NS
	5/17/2012	NS	NS

Notes:
NS - Not Sampled

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-1 5/17/2012	DPE-1 2/16/2012	DPE-1 11/21/2011	DPE-1 8/28/2011	DPE-1 5/19/2011	DPE-1 03/01/11	DPE-1 12/22/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1,2-Trichlorotrifluoroethane	200000	**1.1**	<1.0	**3.2**	**9.5**	**13.3**	**3.2**	**37.8**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<5.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<40.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	<20.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<20.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	**2.9**	**1.3**	<1.0	**11.5**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<20.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Tetrachloroethene	5	**38.8**	**26.4**	**99.2**	**309**	**185**	**101**	**1190**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-1 08/18/10	DPE-1 05/13/10	DPE-1 02/22/10	DPE-1 11/16/09	DPE-1 09/28/09	DPE-1 12/10/08	DPE-1 8/7/2008
1,1,1,2-Tetrachloroethane	70	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,1-Trichloroethane	9000	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2,2-Tetrachloroethane	2	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichloroethane	3	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichlorotrifluoroethane	200000	**66.4**	**148**	**190**	**215**	**912**	NA*	**11,300**
1,1-Dichloroethane	70	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1-Dichloroethene	6	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
1,1-Dichloropropene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichlorobenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichloropropane	40	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trichlorobenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trimethylbenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dibromo-3-chloropropane	NL	<20.0	<4.0	<100	<100	<200	NA*	<1000
1,2-Dibromoethane (EDB)	.004	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichlorobenzene	600	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloroethane	4	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloropropane	5	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3,5-Trimethylbenzene	100	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichlorobenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichloropropane	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,4-Dichlorobenzene	10	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
2,2-Dichloropropane	NL	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
2-Butanone (MEK)	4000	<20.0	<4.0	<100	<100	<200	NA*	<1000
2-Chlorotoluene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Chlorotoluene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Methyl-2-pentanone (MIBK)	300	<20.0	<4.0	<100	<100	<200	NA*	<1000
Acetone	700	<50.0	<10.0	<250	<250	<500	NA*	<2500
Allyl chloride	30	<20.0	<4.0	<100	<100	<200	NA*	<1000
Benzene	2	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromobenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromochloromethane	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromodichloromethane	6	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromoform	40	<40.0	<8.0	<200	<200	<400	NA*	<2000
Bromomethane	10	<20.0	<4.0	<100	<100	<200	NA*	<1000
Carbon tetrachloride	3	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
Chlorobenzene	100	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroethane	300	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroform	30	<5.0	**2.6**	<25.0	<25.0	<50.0	NA*	<250
Chloromethane	NL	<20.0	<4.0	<100	<100	<200	NA*	<250
cis-1,2-Dichloroethene	50	<5.0	**8.7**	<25.0	<25.0	<50.0	<2000	**3,250**
cis-1,3-Dichloropropene	NL	<20.0	<4.0	<100	<100	<200	NA*	<1000
Dibromochloromethane	10	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dibromomethane	NL	<20.0	<4.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorodifluoromethane	1000	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorofluoromethane	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Diethyl ether (Ethyl ether)	1000	<20.0	<4.0	<100	<100	<200	NA*	<1000
Ethylbenzene	700	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Hexachloro-1,3-butadiene	1	<20.0	<4.0	<100	<100	<200	NA*	<1000
Isopropylbenzene (Cumene)	300	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
m&p-Xylene	NL	<10.0	<2.0	<50.0	<50.0	<100	NA*	<500
Methylene Chloride	5	<20.0	<4.0	<100	<100	<200	NA*	<1000
Methyl-tert-butyl ether	70	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Naphthalene	300	<20.0	<4.0	<100	<100	<200	NA*	<1000
n-Butylbenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
n-Propylbenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
o-Xylene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
p-Isopropyltoluene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
sec-Butylbenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Styrene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
tert-Butylbenzene	NL	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Tetrachloroethene	5	**965**	**1,700**	**2,610**	**3,330**	**6,820**	**161,000**	**157,000**
Tetrahydrofuran	100	<50.0	<10.0	<250	<250	<500	NA*	<2500
Toluene	1000	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
trans-1,2-Dichloroethene	100	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
trans-1,3-Dichloropropene	NL	<20.0	<4.0	<100	<100	<200	NA*	<1000
Trichloroethene	5	<5.0	**2.3**	<25.0	<25.0	<50.0	<2000	**563**
Trichlorofluoromethane	2000	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Vinyl chloride	0.2	<2.0	<0.40	<10.0	<10.0	<20.0	<800	<100
Xylene (Total)	10000	<15.0	<3.0	<75.0	<75.0	<150	NA*	<750

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-2 05/17/12	DPE-2 02/16/12	DPE-2 11/21/11	DPE-2 08/28/11	DPE-2 05/19/11	DPE-2 03/01/11	DPE-2 12/22/10
1,1,1,2-Tetrachloroethane	70	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1,1-Trichloroethane	9000	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1,2,2-Tetrachloroethane	2	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1,2-Trichloroethane	3	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1,2-Trichlorotrifluoroethane	200000	**23.8**	**41.5**	**110**	**212**	**199**	<25.0	**356**
1,1-Dichloroethane	70	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1-Dichloroethene	6	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,1-Dichloropropene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2,3-Trichlorobenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2,3-Trichloropropane	40	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<50.0
1,2,4-Trichlorobenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2,4-Trimethylbenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2-Dibromo-3-chloropropane	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
1,2-Dibromoethane (EDB)	.004	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2-Dichlorobenzene	600	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2-Dichloroethane	4	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,2-Dichloropropane	5	<8.0	<20.0	<40.0	<40.0	<4.0	<25.0	<50.0
1,3,5-Trimethylbenzene	100	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,3-Dichlorobenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,3-Dichloropropane	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
1,4-Dichlorobenzene	10	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
2,2-Dichloropropane	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
2-Butanone (MEK)	4000	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
2-Chlorotoluene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
4-Chlorotoluene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
4-Methyl-2-pentanone (MIBK)	300	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Acetone	700	<50.0	<125	<250	<250	<25.0	<625	<500
Allyl chloride	30	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Benzene	2	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Bromobenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Bromochloromethane	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Bromodichloromethane	6	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Bromoform	40	<8.0	<20.0	<40.0	<40.0	<4.0	<200	<400
Bromomethane	10	<8.0	<20.0	<40.0	<40.0	<4.0	<250	<200
Carbon tetrachloride	3	<2.0	<5.0	<10.0	<10.0	<1.0	<100	<200
Chlorobenzene	100	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Chloroethane	300	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Chloroform	30	<2.0	<5.0	<10.0	<10.0	**3.1**	<25.0	<50.0
Chloromethane	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
cis-1,2-Dichloroethene	50	**<2.0**	<5.0	<10.0	<10.0	**5.5**	<25.0	<50.0
cis-1,3-Dichloropropene	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Dibromochloromethane	10	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Dibromomethane	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Dichlorodifluoromethane	1000	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Dichlorofluoromethane	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Diethyl ether (Ethyl ether)	1000	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Ethylbenzene	700	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Hexachloro-1,3-butadiene	1	<10.0	<25.0	<50.0	<50.0	<5.0	<100	<200
Isopropylbenzene (Cumene)	300	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
m&p-Xylene	NL	<4.0	<10.0	<20.0	<20.0	<2.0	<50.0	<100
Methylene Chloride	5	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Methyl-tert-butyl ether	70	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Naphthalene	300	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
n-Butylbenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
n-Propylbenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
o-Xylene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
p-Isopropyltoluene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
sec-Butylbenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Styrene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
tert-Butylbenzene	NL	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Tetrachloroethene	5	**206**	**511**	**890**	**2080**	**1680**	**2,990**	**4,690**
Tetrahydrofuran	100	<20.0	<50.0	<100	<100	<10.0	<250	<500
Toluene	1000	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
trans-1,2-Dichloroethene	100	<2.0	<5.0	<40.0	<40.0	<4.0	<25.0	<50.0
trans-1,3-Dichloropropene	NL	<8.0	<20.0	<40.0	<40.0	<4.0	<100	<200
Trichloroethene	5	**<2.0**	<5.0	<10.0	<10.0	**2.2**	<25.0	<50.0
Trichlorofluoromethane	2000	<2.0	<5.0	<10.0	<10.0	<1.0	<25.0	<50.0
Vinyl chloride	0.2	<0.80	<2.0	<4.0	<4.0	<0.40	<10.0	<20.0
Xylene (Total)	10000	<6.0	<15.0	<30.0	<30.0	<3.0	<75.0	<150

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-2 08/18/10	DPE-2 05/13/10	DPE-2 02/22/10	DPE-2 11/17/2009	DPE-2 09/28/09	DPE-2 12/10/08
1,1,1,2-Tetrachloroethane	70	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,1-Trichloroethane	9000	<50.0	**2.9**	<20.0	<100	<250	NA*
1,1,2,2-Tetrachloroethane	2	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichloroethane	3	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichlorotrifluoroethane	200000	**997**	**673**	**305**	**1,270**	**1,620**	NA*
1,1-Dichloroethane	70	<50.0	<1.0	<20.0	<100	<250	NA*
1,1-Dichloroethene	6	<50.0	<1.0	<20.0	<100	<250	<500
1,1-Dichloropropene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichlorobenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichloropropane	40	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trichlorobenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trimethylbenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dibromo-3-chloropropane	NL	<200	<4.0	<80.0	<400	<1000	NA*
1,2-Dibromoethane (EDB)	.004	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichlorobenzene	600	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloroethane	4	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloropropane	5	<50.0	**1.3**	<20.0	<100	<250	NA*
1,3,5-Trimethylbenzene	100	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichlorobenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichloropropane	NL	<50.0	<1.0	<20.0	<100	<250	NA*
1,4-Dichlorobenzene	10	<50.0	<1.0	<20.0	<100	<250	NA*
2,2-Dichloropropane	NL	<200	<4.0	<20.0	<400	<250	NA*
2-Butanone (MEK)	4000	<200	<4.0	<80.0	<400	<1000	NA*
2-Chlorotoluene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
4-Chlorotoluene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
4-Methyl-2-pentanone (MIBK)	300	<200	<4.0	<80.0	<400	<1000	NA*
Acetone	700	<500	<10.0	<200	<1000	<2500	NA*
Allyl chloride	30	<200	<4.0	<80.0	<400	<1000	NA*
Benzene	2	<50.0	<1.0	<20.0	<100	<250	NA*
Bromobenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
Bromochloromethane	NL	<50.0	<1.0	<20.0	<100	<250	NA*
Bromodichloromethane	6	<50.0	<1.0	<20.0	<100	<250	NA*
Bromoform	40	<400	<8.0	<160	<800	<2000	NA*
Bromomethane	10	<200	<4.0	<80.0	<400	<1000	NA*
Carbon tetrachloride	3	<200	<4.0	<20.0	<400	<250	NA*
Chlorobenzene	100	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroethane	300	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroform	30	<50.0	**3.7**	<20.0	<100	<250	NA*
Chloromethane	NL	<200	<4.0	<80.0	<400	<1000	NA*
cis-1,2-Dichloroethene	50	<50.0	**25.8**	<20.0	<100	<250	<500
cis-1,3-Dichloropropene	NL	<200	<4.0	<80.0	<400	<1000	NA*
Dibromochloromethane	10	<50.0	<1.0	<20.0	<100	<250	NA*
Dibromomethane	NL	<200	<4.0	<20.0	<100	<250	NA*
Dichlorodifluoromethane	1000	<50.0	<1.0	<20.0	<100	<250	NA*
Dichlorofluoromethane	NL	<50.0	<1.0	<20.0	<100	<250	NA*
Diethyl ether (Ethyl ether)	1000	<200	<4.0	<80.0	<400	<1000	NA*
Ethylbenzene	700	<50.0	<1.0	<20.0	<100	<250	NA*
Hexachloro-1,3-butadiene	1	<200	<4.0	<80.0	<400	<1000	NA*
Isopropylbenzene (Cumene)	300	<50.0	<1.0	<20.0	<100	<250	NA*
m&p-Xylene	NL	<100	<2.0	<40.0	<200	<500	NA*
Methylene Chloride	5	<200	<4.0	<80.0	<400	<1000	NA*
Methyl-tert-butyl ether	70	<50.0	<1.0	<20.0	<100	<250	NA*
Naphthalene	300	<200	<4.0	<80.0	<400	<1000	NA*
n-Butylbenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
n-Propylbenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
o-Xylene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
p-Isopropyltoluene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
sec-Butylbenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
Styrene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
tert-Butylbenzene	NL	<50.0	<1.0	<20.0	<100	<250	NA*
Tetrachloroethene	5	**12,100**	**5,800**	**2,710**	**10,600**	**32,000**	**38,200**
Tetrahydrofuran	100	<500	<10.0	<200	<1000	<2500	NA*
Toluene	1000	<50.0	<1.0	<20.0	<100	<250	NA*
trans-1,2-Dichloroethene	100	<50.0	<1.0	<20.0	<100	<250	<500
trans-1,3-Dichloropropene	NL	<200	<4.0	<80.0	<400	<1000	NA*
Trichloroethene	5	<50.0	**7.5**	<20.0	<100	<250	<500
Trichlorofluoromethane	2000	<50.0	<1.0	<20.0	<100	<250	NA*
Vinyl chloride	0.2	<20.0	<0.40	<8.0	<40.0	<100	<200
Xylene (Total)	10000	<150	<3.0	<60.0	<300	<750	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-3 05/17/12	DPE-3 02/16/12	DPE-3 11/21/11	DPE-3 08/28/11	DPE-3 05/19/11	DPE-3 03/01/11	DPE-3 12/22/10
1,1,1,2-Tetrachloroethane	70	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1,1-Trichloroethane	9000	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1,2,2-Tetrachloroethane	2	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1,2-Trichloroethane	3	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1,2-Trichlorotrifluoroethane	200000	**414**	**251**	**787**	**348**	**343**	**1030**	**78.8**
1,1-Dichloroethane	70	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1-Dichloroethene	6	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,1-Dichloropropene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2,3-Trichlorobenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2,3-Trichloropropane	40	<80.0	<40.0	<100	<100	<80.0	<40.0	<10.0
1,2,4-Trichlorobenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2,4-Trimethylbenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
1,2-Dibromoethane (EDB)	.004	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2-Dichlorobenzene	600	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2-Dichloroethane	4	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,2-Dichloropropane	5	<80.0	<40.0	<100	<100	<80.0	<10.0	<10.0
1,3,5-Trimethylbenzene	100	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,3-Dichlorobenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,3-Dichloropropane	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
1,4-Dichlorobenzene	10	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
2,2-Dichloropropane	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
2-Butanone (MEK)	4000	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
2-Chlorotoluene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
4-Chlorotoluene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
4-Methyl-2-pentanone (MIBK)	300	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Acetone	700	<500	<250	<625	<625	<500	<250	<100
Allyl chloride	30	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Benzene	2	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Bromobenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Bromochloromethane	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Bromodichloromethane	6	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Bromoform	40	<80.0	<40.0	<100	<100	<80.0	<80.0	<80.0
Bromomethane	10	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Carbon tetrachloride	3	<20.0	<10.0	<25.0	<25.0	<20.0	<40.0	<40.0
Chlorobenzene	100	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Chloroethane	300	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Chloroform	30	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Chloromethane	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
cis-1,2-Dichloroethene	50	<20.0	<10.0	<25.0	<25.0	<20.0	**19.6**	<10.0
cis-1,3-Dichloropropene	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Dibromochloromethane	10	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Dibromomethane	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Dichlorodifluoromethane	1000	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Dichlorofluoromethane	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Diethyl ether (Ethyl ether)	1000	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Ethylbenzene	700	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Hexachloro-1,3-butadiene	1	<100	<50.0	<125	<125	<100	<40.0	<40.0
Isopropylbenzene (Cumene)	300	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
m&p-Xylene	NL	<40.0	<20.0	<50.0	<50.0	<40.0	<20.0	<20.0
Methylene Chloride	5	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Methyl-tert-butyl ether	70	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Naphthalene	300	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
n-Butylbenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
n-Propylbenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
o-Xylene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
p-Isopropyltoluene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
sec-Butylbenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Styrene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
tert-Butylbenzene	NL	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Tetrachloroethene	5	**3690**	**1010**	**5310**	**4260**	**3220**	**12,700**	**1,450**
Tetrahydrofuran	100	<200	<100	<250	<250	<200	<100	<100
Toluene	1000	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
trans-1,2-Dichloroethene	100	<20.0	<10.0	<100	<100	<80.0	<10.0	<10.0
trans-1,3-Dichloropropene	NL	<80.0	<40.0	<100	<100	<80.0	<40.0	<40.0
Trichloroethene	5	<20.0	<10.0	<25.0	<25.0	<20.0	**12.3**	<10.0
Trichlorofluoromethane	2000	<20.0	<10.0	<25.0	<25.0	<20.0	<10.0	<10.0
Vinyl chloride	0.2	<8.0	<4.0	<10.0	<10.0	<8.0	<4.0	<4.0
Xylene (Total)	10000	<60.0	<30.0	<75.0	<75.0	<60.0	<30.0	<30.0

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-3 08/18/10	DPE-3 05/13/10	DPE-3 02/22/10	DPE-3 11/17/09	DPE-3 09/28/09	DPE-3 12/10/08
1,1,1,2-Tetrachloroethane	70	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,1-Trichloroethane	9000	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2,2-Tetrachloroethane	2	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichloroethane	3	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichlorotrifluoroethane	200000	**2,260**	**49.5**	**67.1**	**1,920**	**843**	NA*
1,1-Dichloroethane	70	<20.0	<1.0	<10.0	<200	<200	NA*
1,1-Dichloroethene	6	<20.0	<1.0	<10.0	<200	<200	<500
1,1-Dichloropropene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichlorobenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichloropropane	40	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trichlorobenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trimethylbenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dibromo-3-chloropropane	NL	<80.0	<4.0	<40.0	<800	<800	NA*
1,2-Dibromoethane (EDB)	.004	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichlorobenzene	600	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloroethane	4	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloropropane	5	<20.0	<1.0	<10.0	<200	<200	NA*
1,3,5-Trimethylbenzene	100	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichlorobenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichloropropane	NL	<20.0	<1.0	<10.0	<200	<200	NA*
1,4-Dichlorobenzene	10	<20.0	<1.0	<10.0	<200	<200	NA*
2,2-Dichloropropane	NL	<80.0	<4.0	<10.0	<800	<200	NA*
2-Butanone (MEK)	4000	<80.0	<4.0	<40.0	<800	<800	NA*
2-Chlorotoluene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
4-Chlorotoluene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
4-Methyl-2-pentanone (MIBK)	300	<80.0	<4.0	<40.0	<800	<800	NA*
Acetone	700	<200	<10.0	<100	<2000	<2000	NA*
Allyl chloride	30	<80.0	<4.0	<40.0	<800	<800	NA*
Benzene	2	<20.0	<1.0	<10.0	<200	<200	NA*
Bromobenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
Bromochloromethane	NL	<20.0	<1.0	<10.0	<200	<200	NA*
Bromodichloromethane	6	<20.0	<1.0	<10.0	<200	<200	NA*
Bromoform	40	<160	<8.0	<80.0	<1600	<1600	NA*
Bromomethane	10	<80.0	<4.0	<40.0	<800	<800	NA*
Carbon tetrachloride	3	<80.0	<4.0	<10.0	<800	<200	NA*
Chlorobenzene	100	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroethane	300	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroform	30	<20.0	<1.0	<10.0	<200	<200	NA*
Chloromethane	NL	<80.0	<4.0	<40.0	<800	<800	NA*
cis-1,2-Dichloroethene	50	**59.2**	**2.6**	<10.0	<200	<200	**1,090**
cis-1,3-Dichloropropene	NL	<80.0	<4.0	<40.0	<800	<800	NA*
Dibromochloromethane	10	<20.0	<1.0	<10.0	<200	<200	NA*
Dibromomethane	NL	<80.0	<4.0	<10.0	<200	<200	NA*
Dichlorodifluoromethane	1000	<20.0	<1.0	<10.0	<200	<200	NA*
Dichlorofluoromethane	NL	<20.0	<1.0	<10.0	<200	<200	NA*
Diethyl ether (Ethyl ether)	1000	<80.0	<4.0	<40.0	<800	<800	NA*
Ethylbenzene	700	<20.0	<1.0	<10.0	<200	<200	NA*
Hexachloro-1,3-butadiene	1	<80.0	<4.0	<40.0	<800	<800	NA*
Isopropylbenzene (Cumene)	300	<20.0	<1.0	<10.0	<200	<200	NA*
m&p-Xylene	NL	<40.0	<2.0	<20.0	<400	<400	NA*
Methylene Chloride	5	<80.0	<4.0	<40.0	<800	<800	NA*
Methyl-tert-butyl ether	70	<20.0	<1.0	<10.0	<200	<200	NA*
Naphthalene	300	<80.0	<4.0	<40.0	<800	<800	NA*
n-Butylbenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
n-Propylbenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
o-Xylene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
p-Isopropyltoluene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
sec-Butylbenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
Styrene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
tert-Butylbenzene	NL	<20.0	<1.0	<10.0	<200	<200	NA*
Tetrachloroethene	5	**20,400**	**2,240**	**806**	**34,600**	**20,300**	**152,000**
Tetrahydrofuran	100	<200	**10.9**	<100	<2000	<2000	NA*
Toluene	1000	<20.0	<1.0	<10.0	<200	<200	NA*
trans-1,2-Dichloroethene	100	<20.0	<1.0	<10.0	<200	<200	<500
trans-1,3-Dichloropropene	NL	<80.0	<4.0	<40.0	<800	<800	NA*
Trichloroethene	5	**22.8**	<1.0	<10.0	<200	<200	<500
Trichlorofluoromethane	2000	<20.0	<1.0	<10.0	<200	<200	NA*
Vinyl chloride	0.2	<8.0	<0.40	<4.0	<80.0	<80.0	<200
Xylene (Total)	10000	<60.0	<3.0	<30.0	<600	<600	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-4 05/17/12	DPE-4 02/16/12	DPE-4 11/21/11	DPE-4 08/28/11	DPE-4 05/19/11	DPE-4 03/01/11	DPE-4 12/22/10
1,1,1,2-Tetrachloroethane	70	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1,1-Trichloroethane	9000	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1,2,2-Tetrachloroethane	2	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1,2-Trichloroethane	3	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1,2-Trichlorotrifluoroethane	200000	**9.5**	**54.4**	**99.7**	**93.8**	**60.2**	**127**	**39.4**
1,1-Dichloroethane	70	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1-Dichloroethene	6	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,1-Dichloropropene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2,3-Trichlorobenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2,3-Trichloropropane	40	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<10.0
1,2,4-Trichlorobenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2,4-Trimethylbenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
1,2-Dibromoethane (EDB)	.004	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2-Dichlorobenzene	600	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2-Dichloroethane	4	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,2-Dichloropropane	5	<8.0	<20.0	<20.0	<20.0	<8.0	<10.0	<10.0
1,3,5-Trimethylbenzene	100	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,3-Dichlorobenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,3-Dichloropropane	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
1,4-Dichlorobenzene	10	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
2,2-Dichloropropane	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
2-Butanone (MEK)	4000	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
2-Chlorotoluene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
4-Chlorotoluene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
4-Methyl-2-pentanone (MIBK)	300	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Acetone	700	<50.0	<125	<125	<125	<50.0	<250	<100
Allyl chloride	30	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Benzene	2	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Bromobenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Bromochloromethane	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Bromodichloromethane	6	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Bromoform	40	<8.0	<20.0	<20.0	<20.0	<8.0	<80.0	<80.0
Bromomethane	10	<8.0	<20.0	<20.0	<20.0	<8.0	<100	<40.0
Carbon tetrachloride	3	<2.0	<5.0	<5.0	<5.0	<2.0	<40.0	<40.0
Chlorobenzene	100	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Chloroethane	300	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Chloroform	30	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Chloromethane	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
cis-1,2-Dichloroethene	50	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
cis-1,3-Dichloropropene	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Dibromochloromethane	10	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Dibromomethane	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Dichlorodifluoromethane	1000	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Dichlorofluoromethane	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Diethyl ether (Ethyl ether)	1000	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Ethylbenzene	700	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Hexachloro-1,3-butadiene	1	<10.0	<25.0	<25.0	<25.0	<10.0	<40.0	<40.0
Isopropylbenzene (Cumene)	300	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
m&p-Xylene	NL	<4.0	<10.0	<10.0	<10.0	<4.0	<20.0	<20.0
Methylene Chloride	5	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Methyl-tert-butyl ether	70	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Naphthalene	300	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
n-Butylbenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
n-Propylbenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
o-Xylene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
p-Isopropyltoluene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
sec-Butylbenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Styrene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
tert-Butylbenzene	NL	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Tetrachloroethene	5	**223**	**830**	**763**	**771**	**367**	**1,160**	**1,100**
Tetrahydrofuran	100	<20.0	<50.0	<50.0	<50.0	<20.0	<100	<100
Toluene	1000	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
trans-1,2-Dichloroethene	100	<2.0	<5.0	<20.0	<20.0	<8.0	<10.0	<10.0
trans-1,3-Dichloropropene	NL	<8.0	<20.0	<20.0	<20.0	<8.0	<40.0	<40.0
Trichloroethene	5	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Trichlorofluoromethane	2000	<2.0	<5.0	<5.0	<5.0	<2.0	<10.0	<10.0
Vinyl chloride	0.2	<0.80	<2.0	<2.0	<2.0	<0.80	<4.0	<4.0
Xylene (Total)	10000	<6.0	<15.0	<15.0	<15.0	<6.0	<30.0	<30.0

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-4 08/18/10	DPE-4 05/13/10	DPE-4 02/22/10	DPE-4 11/17/09	DPE-4 09/28/09	DPE-4 12/10/08
1,1,1,2-Tetrachloroethane	70	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,1-Trichloroethane	9000	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichloroethane	3	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**181**	**48.1**	**41.9**	**464**	**339**	NA*
1,1-Dichloroethane	70	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1-Dichloroethene	6	<5.0	<1.0	<5.0	<50.0	<50.0	<500
1,1-Dichloropropene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichlorobenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichloropropane	40	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dibromo-3-chloropropane	NL	<20.0	<4.0	<20.0	<200	<200	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichlorobenzene	600	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloroethane	4	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloropropane	5	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichloropropane	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,4-Dichlorobenzene	10	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
2,2-Dichloropropane	NL	<20.0	<4.0	<5.0	<200	<50.0	NA*
2-Butanone (MEK)	4000	<20.0	<4.0	<20.0	<200	<200	NA*
2-Chlorotoluene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Chlorotoluene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<20.0	<4.0	<20.0	<200	<200	NA*
Acetone	700	<50.0	<10.0	<50.0	<500	<500	NA*
Allyl chloride	30	<20.0	<4.0	<20.0	<200	<200	NA*
Benzene	2	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromobenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromochloromethane	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromodichloromethane	6	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromoform	40	<40.0	<8.0	<40.0	<400	<400	NA*
Bromomethane	10	<20.0	<4.0	<20.0	<200	<200	NA*
Carbon tetrachloride	3	<20.0	<4.0	<5.0	<200	<50.0	NA*
Chlorobenzene	100	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroethane	300	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroform	30	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloromethane	NL	<20.0	<4.0	<20.0	<200	<200	NA*
cis-1,2-Dichloroethene	50	**20.7**	**1.1**	<5.0	<50.0	<50.0	<500
cis-1,3-Dichloropropene	NL	<20.0	<4.0	<20.0	<200	<200	NA*
Dibromochloromethane	10	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dibromomethane	NL	<20.0	<4.0	<5.0	<50.0	<50.0	NA*
Dichlorodifluoromethane	1000	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dichlorofluoromethane	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<4.0	<20.0	<200	<200	NA*
Ethylbenzene	700	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Hexachloro-1,3-butadiene	1	<20.0	<4.0	<20.0	<200	<200	NA*
Isopropylbenzene (Cumene)	300	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
m&p-Xylene	NL	<10.0	<2.0	<10.0	<100	<100	NA*
Methylene Chloride	5	<20.0	<4.0	<20.0	<200	<200	NA*
Methyl-tert-butyl ether	70	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Naphthalene	300	<20.0	<4.0	<20.0	<200	<200	NA*
n-Butylbenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
n-Propylbenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
o-Xylene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
p-Isopropyltoluene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
sec-Butylbenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Styrene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
tert-Butylbenzene	NL	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Tetrachloroethene	5	**2,600**	**357**	**429**	**5,040**	**7,340**	**35,600**
Tetrahydrofuran	100	<50.0	<10.0	<50.0	<500	<500	NA*
Toluene	1000	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
trans-1,2-Dichloroethene	100	<5.0	<1.0	<5.0	<50.0	<50.0	<500
trans-1,3-Dichloropropene	NL	<20.0	<4.0	<20.0	<200	<200	NA*
Trichloroethene	5	**7.1**	<1.0	<5.0	<50.0	<50.0	<500
Trichlorofluoromethane	2000	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Vinyl chloride	0.2	<2.0	<0.40	<2.0	<20.0	<20.0	<200
Xylene (Total)	10000	<15.0	<3.0	<15.0	<150	<150	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-5 05/17/12	DPE-5 02/16/12	DPE-5 11/21/11	DPE-5 08/28/11	DPE-5 05/19/11	DPE-5 03/01/11	DPE-5 12/22/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	**2.2**	**3.0**	<1.0	**5.2**	**13.9**	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**6.2**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**11.1**	**69.5**	**51.2**	<1.0	**67.2**	**339**	**21.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-5 08/18/10	DPE-5 05/13/10	DPE-5 02/22/10	DPE-5 11/17/09	DPE-5 09/24/09	DPE-5 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**11.5**	**16.9**	**19.4**	**498**	**37.9**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
1,1-Dichloropropene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Acetone	700	<10.0	<10.0	<50.0	<100	<100	NA*
Allyl chloride	30	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Benzene	2	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromobenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromoform	40	<8.0	<8.0	<40.0	<80.0	<80.0	NA*
Bromomethane	10	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
Chlorobenzene	100	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroethane	300	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroform	30	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloromethane	NL	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
cis-1,2-Dichloroethene	50	**1.3**	**1.8**	<5.0	<10.0	<10.0	<10.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dibromomethane	NL	<4.0	<4.0	<5.0	<10.0	<10.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Ethylbenzene	700	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<10.0	<20.0	<20.0	NA*
Methylene Chloride	5	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Naphthalene	300	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
o-Xylene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Styrene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Tetrachloroethene	5	**124**	**205**	**486**	**1,450**	**875**	**1,340**
Tetrahydrofuran	100	<10.0	<10.0	<50.0	<100	<100	NA*
Toluene	1000	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Trichloroethene	5	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
Trichlorofluoromethane	2000	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<2.0	<4.0	<4.0	<4.0
Xylene (Total)	10000	<3.0	<3.0	<15.0	<30.0	<30.0	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-6 05/17/12	DPE-6 02/16/12	DPE-6 11/21/11	DPE-6 08/28/11	DPE-6 05/19/11	DPE-6 03/01/11	DPE-6 12/22/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.5**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	**1.4**	**1.1**	**1.2**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**7.3**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	**44.8**	**1.9**	**7.7**	**23.4**	**3.9**	**77.1**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-6 08/18/10	DPE-6 05/13/10	DPE-6 02/22/10	DPE-6 11/17/09	DPE-6 09/24/09	DPE-6 12/10/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**1.0**	**1.1**	**1.6**	**1.6**	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**21.7**	**14.6**	**57.8**	**104**	**79.3**	**188**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-7 05/17/12	DPE-7 02/16/12	DPE-7 11/21/11	DPE-7 08/28/11	DPE-7 05/19/11	DPE-7 03/01/11	DPE-7 12/22/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	**3.8**	**1.8**	<1.0	**2.2**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	**1.2**	**2.3**	**2.3**	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**6.6**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	**27.8**	<1.0	**26.9**	**15.9**	**7.1**	**23.2**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-7 08/18/10	DPE-7 05/13/10	DPE-7 02/22/10	DPE-7 11/17/09	DPE-7 09/24/09	DPE-7 12/10/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**1.3**	**1.3**	**1.2**	**1.1**	**1.3**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**189**	**25.7**	**7.3**	**55.2**	**5.2**	**22.3**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-8 05/17/12	DPE-8 02/16/12	DPE-8 11/21/11	DPE-8 08/28/11	DPE-8 05/19/11	DPE-8 03/01/11	DPE-8 12/22/10
1,1,1,2-Tetrachloroethane	70	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1,1-Trichloroethane	9000	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1,2,2-Tetrachloroethane	2	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1,2-Trichloroethane	3	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	NS	NS	**62.0**	**32.4**	**77.9**	**48.7**	**33.5**
1,1-Dichloroethane	70	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1-Dichloroethene	6	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,1-Dichloropropene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2,3-Trichlorobenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2,3-Trichloropropane	40	NS	NS	<20.0	<8.0	<20.0	<8.0	<1.0
1,2,4-Trichlorobenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2,4-Trimethylbenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2-Dibromo-3-chloropropane	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
1,2-Dibromoethane (EDB)	.004	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2-Dichlorobenzene	600	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2-Dichloroethane	4	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,2-Dichloropropane	5	NS	NS	<20.0	<8.0	<20.0	<2.0	<1.0
1,3,5-Trimethylbenzene	100	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,3-Dichlorobenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,3-Dichloropropane	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
1,4-Dichlorobenzene	10	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
2,2-Dichloropropane	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
2-Butanone (MEK)	4000	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
2-Chlorotoluene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
4-Chlorotoluene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Acetone	700	NS	NS	<125	<50.0	<125	<50.0	<10.0
Allyl chloride	30	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Benzene	2	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Bromobenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Bromochloromethane	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Bromodichloromethane	6	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Bromoform	40	NS	NS	<20.0	<8.0	<20.0	<16.0	<8.0
Bromomethane	10	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Carbon tetrachloride	3	NS	NS	<5.0	<2.0	<5.0	<8.0	<4.0
Chlorobenzene	100	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Chloroethane	300	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Chloroform	30	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Chloromethane	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
cis-1,2-Dichloroethene	50	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
cis-1,3-Dichloropropene	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Dibromochloromethane	10	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Dibromomethane	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Dichlorodifluoromethane	1000	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Dichlorofluoromethane	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Diethyl ether (Ethyl ether)	1000	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Ethylbenzene	700	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Hexachloro-1,3-butadiene	1	NS	NS	<25.0	<10.0	<25.0	<8.0	<4.0
Isopropylbenzene (Cumene)	300	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
m&p-Xylene	NL	NS	NS	<10.0	<4.0	<10.0	<4.0	<2.0
Methylene Chloride	5	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Methyl-tert-butyl ether	70	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Naphthalene	300	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
n-Butylbenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
n-Propylbenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
o-Xylene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
p-Isopropyltoluene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
sec-Butylbenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Styrene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
tert-Butylbenzene	NL	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Tetrachloroethene	5	NS	NS	**389**	**700**	**698**	**415**	**262**
Tetrahydrofuran	100	NS	NS	<50.0	<20.0	<50.0	<20.0	<10.0
Toluene	1000	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
trans-1,2-Dichloroethene	100	NS	NS	<20.0	<8.0	<20.0	<2.0	<1.0
trans-1,3-Dichloropropene	NL	NS	NS	<20.0	<8.0	<20.0	<8.0	<4.0
Trichloroethene	5	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Trichlorofluoromethane	2000	NS	NS	<5.0	<2.0	<5.0	<2.0	<1.0
Vinyl chloride	0.2	NS	NS	<2.0	<0.80	<2.0	<0.80	<0.40
Xylene (Total)	10000	NS	NS	<15.0	<6.0	<15.0	<6.0	<3.0

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	DPE-8 08/18/10	DPE-8 05/13/10	DPE-8 02/22/10	DPE-8 11/17/09	DPE-8 09/24/09	DPE-8 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**5.9**	**2.2**	**3.8**	**34.2**	**43.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<10.0	<2.0	<100
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<40.0	**24.1**	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Acetone	700	<10.0	<10.0	**12.9**	<100	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<80.0	<16.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<10.0	<2.0	<100
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<10.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<20.0	<4.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Tetrachloroethene	5	**131**	**66.9**	**90.3**	**1,480**	**1,850**	**14,200**
Tetrahydrofuran	100	<10.0	<10.0	**18.4**	<100	**46.1**	NA*
Toluene	1000	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<10.0	<2.0	<100
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<10.0	<2.0	<100
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<4.0	<0.80	<40.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<30.0	<6.0	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-14 05/17/12	MW-14 02/16/12	MW-14 11/21/11	MW-14 08/28/11	MW-14 05/19/11	MW-14 03/01/11	MW-14 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.4**	**1.2**	**1.4**	**1.6**	**1.9**	**2.3**	**3.5**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**7.2**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	<1.0	**1.5**	**1.5**	**5.0**	**4.8**	**6.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-14 08/18/10	MW-14 05/12/10	MW-14 02/23/10	MW-14 11/16/09	MW-14 10/01/09	MW-14 12/03/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	**1.1**	<1.0	NA*
1,1-Dichloroethane	70	<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
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	**1.1**	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**3.0**	**4.1**	**3.2**	**2.7**	**3.7**	NA*
Chloromethane	NL	<4.0	<4.0	**14.2**	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**1.8**	**3.1**	**3.0**	**7.1**	**4.2**	**30.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-15 05/17/12	MW-15 02/16/12	MW-15 11/21/11	MW-15 08/28/11	MW-15 05/19/11	MW-15 03/01/11	MW-15 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	**2.0**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	**1.0**	**2.8**	**1.2**	**1.8**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**6.4**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**<1.0**	<1.0	<1.0	**1.2**	<1.0	<1.0	**3.3**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-15 08/18/10	MW-15 05/12/10	MW-15 02/22/10	MW-15 11/16/09	MW-15 10/01/09	MW-15 12/10/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	**5.1**	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	**1.3**	**1.4**	**2.2**	**2.2**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**1.3**	**2.8**	**5.7**	**9.5**	**15.7**	**104**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620	Parameter detected above laboratory reporting limit
5.2	Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-16 05/17/12	MW-16 02/16/12	MW-16 11/21/11	MW-16 08/28/11	MW-16 05/19/11	MW-16 03/01/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	**3.1**	**19.7**	**43.6**	**23.0**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<8.0	<8.0	<2.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Acetone	700	<25.0	<25.0	<25.0	<50.0	<50.0	<50.0
Allyl chloride	30	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Benzene	2	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<16.0
Bromomethane	10	<4.0	<4.0	<4.0	<8.0	<8.0	<20.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<2.0	<2.0	<8.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Chloroethane	300	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Chloroform	30	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Chloromethane	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	**1.0**	**7.3**	**4.1**	**2.6**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<10.0	<10.0	<8.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Naphthalene	300	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
o-Xylene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Styrene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Tetrachloroethene	5	**7.8**	**16.1**	**75.0**	**590**	**1310**	**322**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<20.0	<20.0	<20.0
Toluene	1000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<8.0	<8.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0
Trichloroethene	5	<1.0	<1.0	<1.0	<2.0	**2.0**	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.80	<0.80	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<6.0	<6.0	<6.0

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-16 11/18/10	MW-16 08/18/10	MW-16 05/12/10	MW-16 02/22/10	MW-16 11/16/09	MW-16 10/01/09	MW-16 12/03/08
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,1-Trichloroethane	9000	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichloroethane	3	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**127**	**63.8**	**39.3**	**261**	**1,390**	**779**	NA*
1,1-Dichloroethane	70	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1-Dichloroethene	6	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
1,1-Dichloropropene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichloropropane	40	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichlorobenzene	600	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloroethane	4	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloropropane	5	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichloropropane	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,4-Dichlorobenzene	10	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
2,2-Dichloropropane	NL	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
2-Butanone (MEK)	4000	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
2-Chlorotoluene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Chlorotoluene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Acetone	700	<50.0	<50.0	<100	<500	<2500	<100	NA*
Allyl chloride	30	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Benzene	2	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromobenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromochloromethane	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromodichloromethane	6	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromoform	40	<40.0	<40.0	<80.0	<400	<2000	<80.0	NA*
Bromomethane	10	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Carbon tetrachloride	3	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
Chlorobenzene	100	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroethane	300	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroform	30	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloromethane	NL	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
cis-1,2-Dichloroethene	50	**12.6**	<5.0	<10.0	<50.0	<250	**24.0**	**133**
cis-1,3-Dichloropropene	NL	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Dibromochloromethane	10	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dibromomethane	NL	<20.0	<20.0	<40.0	<200	<250	<10.0	NA*
Dichlorodifluoromethane	1000	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dichlorofluoromethane	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Ethylbenzene	700	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Hexachloro-1,3-butadiene	1	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Isopropylbenzene (Cumene)	300	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
m&p-Xylene	NL	<10.0	<10.0	<20.0	<100	<500	<20.0	NA*
Methylene Chloride	5	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Methyl-tert-butyl ether	70	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Naphthalene	300	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
n-Butylbenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
n-Propylbenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
o-Xylene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
p-Isopropyltoluene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
sec-Butylbenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Styrene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
tert-Butylbenzene	NL	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Tetrachloroethene	5	**2120**	**696**	**815**	**4,390**	**21,000**	**6,890**	**14,100**
Tetrahydrofuran	100	<50.0	<50.0	<100	<500	<2500	<100	NA*
Toluene	1000	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
trans-1,2-Dichloroethene	100	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
trans-1,3-Dichloropropene	NL	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Trichloroethene	5	<5.0	<5.0	<10.0	<50.0	<250	<10.0	**35.0**
Trichlorofluoromethane	2000	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Vinyl chloride	0.2	<2.0	<2.0	<4.0	<20.0	<100	<4.0	<0.40
Xylene (Total)	10000	<15.0	<15.0	<30.0	<150	<750	<30.0	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-17 05/17/12	MW-17 02/16/12	MW-17 11/21/11	MW-17 08/28/11	MW-17 05/19/11	MW-17 03/01/11	MW-17 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**6.3**	**6.6**	**11.5**	**6.5**	**15.8**	**21.6**	**25.1**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<10.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.6**	**1.2**	**1.4**	<1.0	**1.1**	**1.4**	**1.8**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	**1.0**	**1.3**	**1.0**	**1.8**	**2.2**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**6.1**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**37.1**	**47.1**	**106**	**107**	**109**	**145**	**209**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-17 08/18/10	MW-17 05/12/10	MW-17 02/22/10	MW-17 11/16/09	MW-17 10/01/09	MW-17 12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**25.4**	**46.8**	**76.2**	**199**	**249**	NA*
1,1-Dichloroethane	70	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
1,1-Dichloropropene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichloropropane	40	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
2-Chlorotoluene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Allyl chloride	30	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromobenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<8.0	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
Chlorobenzene	100	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	**2.5**	<5.0	<5.0	<5.0	**2.4**	NA*
Chloromethane	NL	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
cis-1,2-Dichloroethene	50	**2.4**	<5.0	**5.4**	**7.9**	**4.8**	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dibromomethane	NL	<4.0	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Ethylbenzene	700	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
m&p-Xylene	NL	<2.0	<10.0	<10.0	<10.0	<4.0	NA*
Methylene Chloride	5	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Methyl-tert-butyl ether	70	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Naphthalene	300	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
o-Xylene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Styrene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene	5	**174**	**412**	**639**	**1,100**	**803**	**363**
Tetrahydrofuran	100	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Toluene	1000	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Trichloroethene	5	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
Trichlorofluoromethane	2000	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Vinyl chloride	0.2	<0.40	<2.0	<2.0	<2.0	<0.80	<2.0
Xylene (Total)	10000	<3.0	<15.0	<15.0	<15.0	<6.0	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-18 05/17/12	MW-18 02/16/12	MW-18 11/21/11	MW-18 08/28/11	MW-18 05/19/11	MW-18 03/01/11	MW-18 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**7.2**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**1.5**	**2.9**	**3.6**	**3.6**	**3.6**	**4.8**	**8.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-18 08/18/10	MW-18 05/12/10	MW-18 02/22/10	MW-18 11/16/09	MW-18 10/01/09	MW-18 12/03/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	**2.0**	<1.0	**2.7**	NA*
1,1-Dichloroethane	70	<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	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	**12.2**	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**8.4**	**26.0**	**96.8**	**130**	**250**	**257**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	**1.2**	**2.1**	**2.6**	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-19 05/17/12	MW-19 02/16/12	MW-19 11/21/11	MW-19 08/28/11	MW-19 05/19/11	MW-19 03/01/11	MW-19 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**5.2**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**1.1**	**2.2**	**2.7**	**2.9**	**4.7**	**4.8**	**4.8**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-19 08/18/10	MW-19 05/12/10	MW-19 02/23/10	MW-19 11/16/09	MW-19 09/24/09	MW-19 12/03/08
1,1,1,2-Tetrachloroethane	70	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<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	NA*
1,2-Dibromo-3-chloropropane	NL	<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	NA*
1,2-Dichlorobenzene	600	<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	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	**5.5**	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	**10.4**	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<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	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**4.2**	**7.2**	**12.9**	**13.6**	**17.4**	**2.4**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<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
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<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	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-20 05/17/12	MW-20 02/16/12	MW-20 11/21/11	MW-20 08/28/11	MW-20 05/19/11	MW-20 03/01/11	MW-20 11/18/10
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**1.5**	**2.1**	**2.5**	<1.0	**2.3**	**8.6**	**2.7**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	**5.2**	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**28.7**	**41.8**	**32.5**	**12.2**	**16.8**	**211**	**50.9**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<4.0	<4.0	<4.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<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
Vinyl chloride	0.2	<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

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

1,620 Parameter detected above MDH Health Risk Limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-20 08/18/10	MW-20 05/12/10	MW-20 02/23/10	MW-20 11/16/09	MW-20 10/01/09	MW-20 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**2.8**	**11.2**	**20.9**	**37.4**	**33.5**	NA*
1,1-Dichloroethane	70	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
1,1-Dichloropropene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<10.0	<20.0	<20.0	<20.0	<10.0	NA*
Allyl chloride	30	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromobenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<8.0	<16.0	<16.0	<16.0	<8.0	NA*
Bromomethane	10	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
Chlorobenzene	100	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroform	30	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<4.0	<8.0	**8.6**	<8.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<4.0	<8.0	<2.0	<2.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<4.0	<4.0	<4.0	<2.0	NA*
Methylene Chloride	5	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Naphthalene	300	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
o-Xylene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Styrene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene	5	**74.7**	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<10.0	<20.0	**36.1**	<20.0	<10.0	NA*
Toluene	1000	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Trichloroethene	5	<1.0	**2.9**	<2.0	<2.0	<1.0	<5.0
Trichlorofluoromethane	2000	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.80	<0.80	<0.80	<0.40	<2.0
Xylene (Total)	10000	<3.0	<6.0	<6.0	<6.0	<3.0	NA*

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

1,620 Parameter detected above laboratory reporting limit
5.2 Parameter detected above MDH Health Risk Limit

TABLE 11

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	DPE-5	DPE-5
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	12/10/2008 16:45	09/24/2009 04:00
Calcium, Dissolved	NA*	**149,000**	NA*	**181,000**	NA*	**556,000**	NA*	**258,000**	**75,400**	NA*
Dissolved Organic Carbon	<2000	**4,800**	**2,000**	**2,800**	**3,700**	**6,900**	<2000	2700	4700	<2000
Iron, Dissolved	<50.0	<50.0	<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**	**86,200**	NA*
Methane	<10.0	<10.0	<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**	**5,500**	**5,500**
Sulfate	**157,000**	**250,000**	**174,000**	**182,000**	**296,000**	**436,000**	**168,000**	**235,000**	**468,000**	**281,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

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

TABLE 11

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

Sample ID	DPE-6	DPE-6	DPE-7	DPE-7	DPE-8	DPE-8	MW14	MW-14
Collected Date	12/10/2008 14:29	09/24/2009 04:30	12/10/2008 13:15	09/24/2009 05:00	12/10/2008 09:30	09/24/2009 05:30	10/01/2009 04:00	12/03/2008 16:20
Calcium, Dissolved	**70,800**	NA*	**123,000**	NA*	**189,000**	NA*	NA*	**114,000**
Dissolved Organic Carbon	2500	<2000	**3,300**	<2000	**4,000**	**3,000**	**69,200**	**2,400**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	**17,700**	NA*	**23,400**	NA*	**36,800**	NA*	NA*	**30,400**
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	10.1	<10.0
Nitrate as N	**3,000**	**1,500**	**7,900**	**1,900**	**9,800**	**4,300**	**1,600**	**3,700**
Sulfate	**159,000**	**67,600**	**275,000**	**85,600**	**262,000**	**149,000**	**146,000**	**131,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

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

TABLE 11

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

Sample ID	MW15	MW15	MW16	MW-16	MW17	MW-17	MW18	MW-18
Collected Date	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	10/01/2009 05:46	12/03/2008 14:26
Calcium, Dissolved	NA*	**67,700**	NA*	**194,000**	NA*	**76,300**	NA*	**99,000**
Dissolved Organic Carbon	**15,700**	<2000	**49,100**	**3,500**	**9,100**	**7,500**	**5,400**	**8,500**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	**50.1**	**88.3**	**4,190**
Magnesium, Dissolved	NA*	**18,700**	NA*	**70,200**	NA*	**29,100**	NA*	**52,600**
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**580**	**2,200**	**16,200**	NA*	**3,900**	NA*	<400	NA*
Sulfate	**99,900**	**87,500**	**258,000**	**253,000**	**159,000**	**199,000**	**110,000**	**115,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

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

TABLE 11

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

Sample ID Collected Date	MW-19 09/24/2009 11:40	MW-19 12/03/2008 16:59	MW20 10/01/2009 06:00	MW20 12/10/2008 10:30
Calcium, Dissolved	NA*	**245,000**	NA*	**260,000**
Dissolved Organic Carbon	<2000	**3,100**	**20,300**	**2,700**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	NA*	**71,100**	NA*	**65,900**
Methane	**10.7**	<10.0	**274**	**17.0**
Nitrate as N	**16,800**	NA*	**8900**	**10,900**
Sulfate	**156,000**	**187,000**	**139,000**	**203,000**
Sulfide	<5000	<5000	<5000	<5000

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

TABLE 12

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-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-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-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

TABLE 12

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-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-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
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

TABLE 12

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-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-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-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-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

TABLE 12

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-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-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*

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

Attachments

Attachment A

Attachment A - Table 1

DPE System Operational Data
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Time	Extraction Well	DPE Pump Hours	Hours per Period	Days per Period	Flow Rate				DPE Air Flow (scf)	Pump Inlet Vacuum (in. Hg)	Post-MS-2 Vacuum (in. Hg)	Post-MS-1 Vacuum (in. Hg)	DPE Well/Pre-MS-1 Vacuum (in. Hg)		Pre-Manifold Vacuum (in. Hg)	DPE Well Casing Vacuum (in. H_2O)	DPE Pump Outlet Pressure		DPE Pump Outlet Temp. (Deg. F)		DPE Exhaust PID (ppm)	Extraction Well Bleed Valve % Open	DPE Pump Bleed Valve % Open	Comments
						Field (scfm)	Analog (scfm)	Analog (m^3/s)	Analog (acfm)					Analog	Field			Analog (psi)	Field (in H_2O)	Analog	Field				
6/29/2009	1640	DPE-1	88.0	88.0	NA	25	20.9	0.010	134.3	6,000	25.29	NA	NR	24.95	24.5	24.0	NR	0	0	229	200	NR	0	0	
9/4/2009	805	DPE-1	957.0	869.0	36.2	25	24.3	0.011	109.5	1,208,000	23.32	NA	9.4	9.66	9.8	9.1	86	0.02	0	307	310	34	100	0	DPE Pump Screen plugged
9/4/2009	946	DPE-1	957.0	0.0	0.0	40	36.1	0.017	120.5	1,209,000	21.01	NA	21.0	20.43	21.0	20.0	149	0	0	210	248	>4000	100	0	DPE & AS exhaust sampled
9/4/2009	1135	DPE-1	959.0	2.0	0.1	25	27.3	0.013	117.2	1,212,000	22.99	NA	22.5	22.70	22.5	22.5	>150	0	0	275	270	>4000	30	0	1 micron MS filter installed
10/15/2009	1120	DPE-1	1899.0	940.0	39.2	35	31.6	0.015	135.9	2,658,000	23.00	NA	22.5	22.22	22.5	22.5	>150	0	0	283	270	ND	20	0	Exhaust sampled
10/16/2009	621	DPE-1	1911.0	12.0	0.5	35	32.4	0.015	142.2	2,684,000	23.14	NA	22.5	22.35	22.5	22.0	>150	NR	0	291	299	ND	100	0	6-hr composite air sample collected
10/23/2009	922	DPE-3	1924.0	13.0	0.5	70	70.6	0.033	143.0	2,715,000	15.23	NA	14.1	14.58	14.0	13.8	90	0	NR	199	190	ND	100	0	
11/17/2009	1800	DPE-1	2361.0	437.0	18.2	30	28.6	0.013	144.2	3,992,000	24.02	NA	23.5	23.01	23.5	23.0	>150	0.00	0	301	300	>4000	100	0	6-hr composite air sample collected
12/17/2009	907	DPE-5	2960.0	599.0	25.0	NR	62.1	0.029	177.8	6,218,000	19.53	NA	19.0	18.70	18.9	18.9	155	0.00	0	247	248	850	NR	0	6-hr composite air sample collected
12/28/2009	1300	DPE-2	3228.0	268.0	11.2	60	60.7	0.029	187.9	7,333,000	20.31	NA	17.2	17.21	17.20	17.2	122	0.00	0	266	268	720	NR	0	
1/14/2010	923	DPE-5	3568.0	340.0	14.2	100	97.8	0.046	201.1	8,769,000	15.45	NA	14.9	14.46	NR	14.9	98	0.00	0	182	156	NR	NR	0	6-hr composite air sample collected
1/27/2010	NR	DPE-7	3789.0	221.0	9.2	75	88.6	0.042	215.3	9,633,000	17.68	NA	18.0	16.87	16.00	16.0	68	0.00	0	156	165	NR	NR	0	
2/22/2010	800	DPE-8	4161.0	372.0	15.5	105	101.5	0.048	224.8	11,221,000	16.49	NA	15.5	15.33	14.50	14.5	91	0.00	0	215	219	ND	NR	0	6-hr composite air sample collected
3/9/2010	NR	DPE-8	4472.0	311.0	13.0	105	103.6	0.049	226.1	12,597,000	16.29	NA	15.8	15.64	15.10	14.8	NR	0.00	NR	160	161	NR	NR	0	Pump inlet screen removed; DPE oil changed
3/25/2010[1]	742	DPE-2	4868.0	396.0	16.5	110	110.1	0.052	243.2	14,285,000	16.45	NA	16.1	15.66	15.10	14.9	165	0.02	0	251	248	105	100	0	6-hr composite air sample collected
4/16/2010	731	DPE-3	5308.0	440.0	18.3	72	72.7	0.034	218.0	16,587,000	20.00	18.5	18.5	19.21	18.00	18.0	130	0.03	0	255	251	17.5	100	0	6-hr composite air sample collected
5/12/2010	1330	DPE-5	5908.0	600.0	25.0	135	132.4	0.062	293.5	19,502,000	16.50	16.1	15.8	15.61	14.90	15.0	75	0.07	0	222	224	0.8	100	0	6-hr composite air sample collected
6/17/2010	1047	DPE-2	6768.0	860.0	35.8	35	36.9	0.017	146.6	22,356,000	22.43	22.5	22	21.38	21.00	21.0	210	0.08	0	287	276	8.5	100	0	6-hr composite air sample collected
7/26/2010	1100	DPE-8	7671.0	903.0	37.6	105	99.8	0.047	225.3	25,890,000	16.74	16.5	16.5	15.91	15.00	14.5	80	0.10	0	226	220	3.8	100	0	3-hr composite air sample collected due to flow controller malfunction
9/27/2010	1530	DPE-5	8222.0	551.0	23.0	135	122.7	0.058	257.6	28,334,000	15.75	15.0	15.0	14.93	14.00	14.0	90	0.02	0	211	210	>4000	100	0	30-minute composite air sample collected due to flow controller malfunction
10/18/2010	950	DPE-5	8662.0	440.0	18.3	130	128.3	0.061	275.4	30,379,000	16.06	15.1	15.1	15.31	15.00	15.0	100	0.00	0	200	198	ND	100	0	6-hr composite air sample collected
12/22/2010	1200	DPE-1	9378.0	716.0	29.8	50	51.5	0.024	219.8	37,039,000	22.95	NR	23.0	22.02	22.00	22.0	60	0.02	0	229	209	10.1	100	0	6-hr composite air sample collected
1/6/2011	800	DPE-1	9717.0	339.0	14.1	75	75.5	0.036	264.3	41,669,000	21.42	24.5	20.5	20.49	20.50	19.0	54	0.00	0	164	151	17.8	100	0	
1/20/2011	800	DPE-8	10034.0	317.0	13.2	120	119	0.056	252.2	44,097,000	15.88	15.0	15.0	15.12	NR	14.5	14	0.00	0	202	186	3.1	100	0	6-hr composite air sample collected
2/27/2011	1100	DPE-8	10969.0	935.0	39.0	100	103.6	0.049	257.7	48,884,000	17.96	18.0	16.5	17.07	16.50	16.5	84	0.00	0	224	218	0.8	100	0	6-hr composite air sample collected
3/7/2011	800	DPE-5	11014.0	45.0	1.9	115	117.8	0.056	271.7	49,157,000	17.02	NR	16.0	16.15	15.50	15.5	115	0.00	0	110	112	22.7	100	0	
3/18/2011	1330	DPE-1	11274.0	260.0	10.8	55	55	0.026	187.0	50,861,000	21.17	22.0	21.5	21.17	19.50	19.5	55	0.00	0	235	213	3.0	100	0	
3/23/2011	900	DPE-7	11277.0	3.0	0.1	75	72.7	0.034	188.6	50,872,000	18.45	18.5	17.0	17.44	16.00	16.5	30	0.00	0	209	185	8.6	100	0	6-hr composite air sample collected
4/22/2011	910	DPE-7	11995.0	718.0	29.9	75	72.7	0.034	191.4	53,741,000	18.62	18.5	17.5	17.70	17.00	17.0	29	0.02	0	240	250	5.4	100	0	6-hr composite air sample collected
5/3/2011	2100	DPE-5	12268.0	273.0	11.4	65	72.4	0.034	229.4	54,865,000	20.53	20.5	19.0	19.28	18.50	18.0	NR	0.00	0	165	168	NR	NR	NR	
5/5/2011	NR	DPE-4	12313.0	45.0	1.9	65	62.1	0.029	196.7	55,073,000	20.53	20.5	19.0	19.23	18.50	18.0	NR	0.00	0	155	149	NR	NR	NR	
5/19/2011	600	DPE-2	12645.0	332.0	13.8	40	40.9	0.019	165.5	56,604,000	22.57	22.5	22.0	21.34	19.30	19.0	125	0.00	0	234	239	7.1	100	0	6-hr composite air sample collected
6/16/2011	1200	DPE-1	13314.0	669.0	27.9	45	44	0.021	172.5	59,908,000	22.33	22.5	22.0	21.37	21.00	19.0	55	0.02	0	256	240	0.5	100	0	6-hr composite air sample collected
7/25/2011	900	DPE-1	14169.0	855.0	35.6	40	39	0.018	157.0	63,072,000	22.53	23.0	21.5	21.50	20.50	19.6	60	0.04	0	235	225	55.1	100	0	6-hr composite air sample collected
8/28/2011	1100	DPE-7	14962.0	793.0	33.0	70	68.4	0.032	200.7	66,305,000	19.78	19.5	17.0	18.71	18.00	18.1	49	0.00	0	244	225	0.0	100	0	6-hr composite air sample collected
9/29/2011	1140	DPE-4	15722.0	760.0	31.7	65	66	0.031	205.4	69,249,000	20.36	20.0	17.0	19.58	18.00	16.5	130	0.04	MF	245	225	2.8	100	0	6-hr composite air sample collected
10/18/2011	NR	DPE-4	15799.0	77.0	3.2	NR	66.7	0.031	210.4	69,540,000	20.49	NR	NR	19.83	NR	NR	NR	0.02	NR	221	NR	NR	100	0	
10/27/2011	800	DPE-2	16013.0	214.0	8.9	40	38.1	0.018	157.0	70,230,000	22.70	22.5	22.0	22.40	20.00	19.0	95	0.03	0	250	226	177.0	100	0	6-hr composite air sample collected
11/21/2011	1100	DPE-2	16619.0	606.0	25.3	40	39.2	0.018	161.5	72,526,000	22.70	22.5	21.5	22.50	19.00	18.9	151	0.03	0	256	238	365.0	100	0	6-hr composite air sample collected
1/20/2012	800	DPE-1	16879.0	260.0	10.8	50	44.7	0.021	101.9	73,361,000	16.87	16.5	15.0	16.83	14.50	14.5	50	0.00	0	201	196	5.7	100	0	
1/27/2012	900	DPE-2	17042.0	163.0	6.8	30	29.3	0.014	92.7	73,847,000	20.52	20.5	18.5	20.18	18.00	17.5	149	0.03	NR	245	224	6.4	100	0	6-hr composite air sample collected
2/16/2012	900	DPE-2	17520.0	478.0	19.9	30	27.5	0.013	104.4	75,246,000	22.08	22.0	21.0	21.64	18.00	18.5	151	0.02	0	262	235	6.0	100	0	6-hr composite air sample collected
3/16/2012	1100	DPE-4	18219.0	699.0	29.1	70	71.2	0.034	137.4	77,432,000	14.50	14.0	12.5	14.40	12.50	12.0	80	0.03	0	199	185	NA	100	0	6-hr composite air sample collected
3/27/2012	700	DPE-1	18443.0	224.0	9.3	30	29.2	0.014	101.0	78,086,000	21.32	21.0	19.5	20.73	19.00	18.5	48	0.00	0	146	148	10.3	100	0	
4/17/2012	1025	DPE-4	18964.0	521.0	21.7	30	31.3	0.015	91.7	79,504,000	19.76	19.5	18.0	19.21	18.00	17.5	130	0.02	0	229	220	13.4	100	0	6-hr composite air sample collected
5/17/2012	1000	DPE-8	19660.0	696.0	29.0	50	48.6	0.023	103.1	82,983,000	15.90	15.5	14.1	15.70	14.10	12.5	68	0.03	0	208	199	1.0	100	0	6-hr composite air sample collected
5/31/2012	1059	DPE-4	19950.0	290.0	12.1	30	25.5	0.012	81.8	83,649,000	20.65	20.0	MF	19.19	MF	MF	140	0.02	0	235	218	6.8	100	0	
6/14/2012	1017	DPE-4	20279.0	329.0	13.7	40	42	0.020	124.7	85,460,000	19.90	19.5	15.9	17.50	15.10	15.1	90	0.03	0	233	225	8.5	100	0	6-hr composite air sample collected

Notes:
1: There was a typo when entering the DPE pump hours; therefore, this value was revised while entering the data from 4/16/10.
NR: Not recorded.
NA: Not applicable.
MF: Meter Failure

Attachment A - Table 2

Moisture Separator and Sump Operational Data
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Time	MS Vacuum Valve hours	MS pump Hours	MS Pump Flow Totalizer (gal)		MS Pump Flow Rate (gpm)		MS Pump Pressure (psi)	Elevator Sump Water Flow (gal)		Comments
				Analog	Field	Analog	Field		Analog	Field	
6/29/2009	1640	49	48	8,464	8,473	NR	10.2	NR	300	NR	
9/4/2009	805	49	96	38,299	38,213	NP	12.0	21.0	300	500	
10/15/2009	1120	49	131	62,643	64,283	NP	11.8	44.0	300	500	
10/16/2009	621	49	131	62,886	NR	NP	NR	NR	300	500	
10/23/2009	922	49	132	63,113	NR	NR	NR	NR	300	500	
11/17/2009	1800	49	148	73,800	75,787	11.09	11.2	28.0	300	NR	
12/17/2009	907	49	175	89,800	92,293	NR	10.3	30.8	330	NR	
12/28/2009	1300	49	187	97,028	99,694	NR	11.0	NR	330	NR	
1/14/2010	923	49	202	106,024	108,984	NR	10.7	36.0	330	NR	
1/27/2010	NR	49	210	111,633	114,661	12.85	12.2	16.0	330	NR	
2/22/2010	8:00	49	232	122,167	128,552	12.90	12.9	14.0	330	500	
3/9/2010	NR	50	255	131,361	137,839	12.91	12.9	14.0	330	NR	
3/25/2010	742	50	270	141,405	148,206	NR	12.9	15.0	330	500	
4/16/2010	731	50	287	154,622	161,857	12.85	12.9	14.0	330	500	
5/12/2010	1330	50	308	170,079	177,797	12.83	12.9	14.0	330	500	
6/17/2010	1047	50	337	191,958	200,398	13.90	12.9	14.0	330	500	
7/26/2010	1100	50	371	217,314	226,504	12.94	13.1	15.0	330	500	
9/27/2010	1030	50	389	228,896	240,247	13.19	13.2	14.0	350	514	
10/18/2010	950	50	408	243,396	255,417	12.70	12.9	14.0	350	514	
12/22/2010	1200	50	445	270,572	283,957	12.85	12.9	14.0	450	514	
1/6/2011	NR	50	484	292,343	306,476	12.68	12.7	14.0	450	NR	
1/20/2011	800	50	504	314,178	328,912	12.84	12.8	14.0	460	514	
2/27/2011	1100	50	547	342,283	357,774	12.77	12.8	14.0	470	514	
3/7/2011	800	170	549	343,924	359,443	12.79	12.7	14.0	470	514	
3/18/2011	1330	170	562	350,182	369,445	13.30	12.5	17.0	470	514	
3/23/2011	900	171	562	350,324	369,603	12.60	12.6	20.0	470	514	
4/22/2011[1]	910	171	608	461,499	373,802	MF	MF	18.0	470	514	
5/3/2011	2100	171	625	462,745	MF	12.80	12.8	16.0	480	NR	
5/5/2011	NR	171	628	464,860	2,307	12.66	12.3	16.0	480	NR	
5/19/2011	600	171	650	480,836	18,817	12.50	12.6	16.0	480	514	
6/16/2011	1200	171	691	487,852	27,076	MF	MF	16.0	480	514	
7/25/2011	900	171	745	606,917	MF	14.21	14.4	25.0	490	541	
8/28/2011	1100	197	875	645,249	63,442	12.80	12.9	14.0	490	NA	
9/29/2011	1140	198	921	673,352	94,268	12.07	12.5	15.0	490	515	
10/18/2011	NR	199	978	681,235	NR	NR	NR	NR	560	NR	
10/27/2011[2]	800	199	992	694,330	115,245	11.60	12.0	15.0	560	541	
11/21/2011	1100	199	1040	716,049	143,520	12.08	12.2	16.5	NR	541	
1/20/2012	800	199	1057	725,742	153,493	12.60	12.7	18.0	610	541	
1/27/2012	900	199	1065	731,337	159,280	12.20	12.2	17.0	610	541	
2/16/2012	900	199	1090	746,725	175,164	10.10	10.0	16.0	610	541	
3/16/2012	1100	199	1127	757,124	184,976	12.40	12.5	20.0	610	541	
3/27/2012	700	200	1142	764,672	192,639	11.91	12.0	18.0	610	NR	
4/17/2012	1025	206	1201	783,561	210,594	12.20	12.2	21.0	610	541	
5/17/2012	1000	211	1255	809,091	236,394	11.96	12.0	21.0	610	541	
5/31/2012	1059	215	1290	819,567	NR	11.20	11.2	20.0	610	NR	
6/14/2012	1017	220	1335	830,565	256,390	10.90	11.0	26.0	610	541	

Notes:
NR: Not recorded.
NP: Not pumping
MF: Meter Failure
1. Discharge flowmeter malfunction caused invalid field totalizer reading; therefore, analog flow totalizer was used.
2. Analog flow totalizer reading estimated from field readings from Oct. 27 and Sept 29, 2011.

Attachment A - Table 3

Air Stripper Operational Data
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	Time	AS Blower Hours	AS Discharge Pump Hours	AS Blower Pressure (in. H_2O)	AS Exhaust Pressure (in. H_2O)	AS Discharge Pump Pressure (psi)	AS Exhaust PID (ppm)	Comments
9/27/2010	1030	2578	192	18	7	25	ND	
10/18/2010	950	2742	204	24	5	18	ND	
12/22/2010	1200	3049	226	18	9	24	ND	
1/6/2011	800	NR	244	18	7	25	ND	
1/20/2011	800	3524	263	18	6	24	ND	
2/27/2011	1100	3867	288	17	9	26	ND	
3/7/2011	800	3885	289	18	9	25	ND	
3/18/2011	1330	4060	298	17	10	25	ND	
3/23/2011	900	4060	298	17	8	26	ND	
4/22/2011	910	4408	325	18	9	25	ND	
5/3/2011	2100	4540	335	18	NR	25	NR	
5/5/2011	NR	4564	336	18	NR	25	NR	
5/19/2011	600	4734	349	17	11	26	ND	
6/16/2011	1200	5140	374	17	NR	25	25.7	
7/25/2011	900	5575	405	17	8	25	4.3	
8/28/2011	1100	5892	432	16	9	26	0.0	
9/29/2011	1140	6332	455	17	7	25	0.0	
10/18/2011	NR	6398	458	NR	NR	NR	NR	
10/27/2011	800	6524	465	17	9	25	ND	
11/21/2011	1100	6884	485	17	9	24	ND	
1/20/2012	800	7025	493	16	9	25	ND	
1/27/2012	900	7103	498	16	8	25	ND	
2/16/2012	900	7329	510	17	9	24	ND	
3/16/2012	1100	7664	530	16	8	26	NR	
3/27/2012	700	7767	535	16	9	25	ND	
4/17/2012	1025	8019	549	16	10	24	ND	
5/17/2012	1000	8359	563	16	9	24	ND	
5/31/2012	1059	8498	574	16	8	NR	ND	
6/14/2012	1017	8602	586	17	9	18	ND	

Notes:
NR: Not recorded.
NP: Not pumping.
ND: Not detected.

Attachment A - Table 4

DPE Well Casing Vacuum Data (in. H_2O)
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Date	DPE-1	DPE-2	DPE-3	DPE-4	DPE-5	DPE-6	DPE-7	DPE-8
7/9/2009	**129.0**	2.6	0.1	0.1	0.4	1.9	2.4	0.0
8/11/2009	**117.0**	0.0	0.0	0.8	0.0	2.2	2.9	0.0
9/4/2009	**86.0**	NR	NR	NR	NR	NR	NR	NR
9/4/2009	**149.0**	NR	NR	NR	NR	NR	NR	NR
9/4/2009	**>150**	NR	NR	NR	NR	NR	NR	NR
10/15/2009	**>150**	3.4	0.3	0.9	1.3	1.9	0.5	0.04
10/23/2009	0.001	0.002	**90.0**	0.001	0.002	0.002	0.003	0.001
11/17/2009	0.000	0.000	0.000	0.000	**>150**	0.000	0.000	0.000
2/22/2010	**48**	**200**	**128**	**99**	**90**	**108**	**70**	**91**
3/25/2010	**51**	**168**	**125**	**140**	**86**	**120**	**64**	**94**
4/16/2010	**48**	**210**	**130**	**130**	**98**	**88**	**55**	NA
5/12/2010	**51**	**195**	**127**	**87**	**75**	**148**	**68**	**86**
6/17/2010	**50**	**210**	**125**	**88**	**79**	**115**	**71**	**81**
7/26/10*	**10**	**158**	**126**	**148**	**100**	**115**	**70**	**80**
9/27/2010	**52**	**200**	**130**	**125**	**90**	**100**	**40**	**90**
10/18/2010	**60**	**151**	**126**	**85**	**100**	**110**	**31**	**60**
12/22/2010	**60**	**150**	**170**	**77**	**110**	**118**	**185**	**90**
1/6/2011	**54**	**149**	**120**	**148**	**75**	**98**	**30**	**70**
1/20/2011	**62**	**145**	**120**	**130**	**120**	**145**	**30**	**70**
2/27/2011	**35**	**145**	**98**	**64**	**74**	**138**	**32**	**84**
3/7/2011	**55**	**148**	**135**	**70**	**115**	**99**	**30**	**74**
3/18/2011	**55**	**148**	**150**	**130**	**115**	**100**	**35**	**80**
3/23/2011	**58**	**145**	**135**	**120**	**120**	**90**	**30**	**80**
4/22/2011	**68**	**150**	**125**	**128**	**120**	**100**	**29**	**80**
5/19/2011	**40**	**125**	**140**	**80**	**75**	**85**	**30**	**75**
6/16/2011	**55**	**200**	**125**	**130**	**120**	**100**	**40**	**85**
7/25/2011	**60**	**145**	**125**	**120**	**110**	**105**	**40**	**80**
8/28/2011	**58**	**158**	**130**	**140**	**120**	**100**	**49**	**75**
9/29/2011	**50**	**150**	**135**	**130**	**110**	**150**	**65**	**80**
10/27/2011	**50**	**150**	**124**	**89**	**100**	**128**	**48**	**74**
11/21/2011	**49**	**151**	**148**	**125**	**115**	**105**	**49**	**75**
1/20/2012	**50**	**115**	**98**	**75**	**100**	**98**	**33**	**65**
1/27/2012	**40**	**148**	**130**	**120**	**110**	**105**	**40**	**80**
2/16/2012	**40**	**151**	**147**	**128**	**110**	**108**	**50**	**80**
3/16/2012	**48**	**130**	**115**	**80**	**80**	**105**	**48**	**80**
3/27/2012	**48**	**150**	**125**	**120**	**110**	**100**	**28**	**78**
4/17/2012	**48**	**149**	**130**	**130**	**110**	**100**	**49**	**75**
5/17/2012	**42**	**98**	**126**	**90**	**100**	**98**	**30**	**68**
5/31/2012	**32**	**149**	**126**	**140**	**85**	**100**	**48**	**95**
6/14/2012	**35**	**130**	**126**	**90**	**90**	**120**	**50**	**80**

Notes:
Bold indicates the current operating extraction well.
NR: Not recorded
* - DPE-1 issues

Attachment A - Table 5

DPE Well PID Readings
221 1st Avenue SW
Rochester, Minnesota

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-1	27-Oct-09	37.0	45.0	18.00
DPE-1	16-Nov-09	4,000.0	56.3	20.28
DPE-1	17-Dec-09	4,000.0	62.1	19.53
DPE-1	28-Dec-09	1,120.0	NR	NR
DPE-1	14-Jan-10	NR	NR	NR
DPE-1	22-Feb-10	914.0	35.0	22.5
DPE-1	25-Mar-10	868.0	40.0	23
DPE-1	16-Apr-10	287.0	40.0	22
DPE-1	12-May-10	9.9	45.0	23.5
DPE-1	17-Jun-10	32.1	30.0	22
DPE-1*	26-Jul-10	1.4	40.0	19
DPE-1	27-Sep-10	>1750	82.0	18.23
DPE-1	18-Oct-10	25.0	40.0	20
DPE-1	22-Dec-10	10.1	55.0	22.95
DPE-1	6-Jan-11	17.8	82.0	20.2
DPE-1	20-Jan-11	12.1	55.0	20.9
DPE-1	27-Feb-11	6.4	61.0	20.66
DPE-1	7-Mar-11	33.4	50.0	21.23
DPE-1	18-Mar-11	3.0	57.0	21.1
DPE-1	23-Mar-11	1.3	40.0	21
DPE-1	22-Apr-11	17.5	39.0	21.26
DPE-1	19-May-11	4.4	30.0	21.5
DPE-1	16-Jun-11	27.0	37.0	22
DPE-1	25-Jul-11	55.1	35.3	21.53
DPE-1	28-Aug-11	27.5	45.5	21.4
DPE-1	29-Sep-11	12.2	46.7	22.41
DPE-1	27-Oct-11	41.7	30.0	22.6
DPE-1	21-Nov-11	580.0	44.0	22.08
DPE-1	20-Jan-12	5.7	51.6	16.79
DPE-1	27-Jan-12	12.0	34.3	20.3
DPE-1	16-Feb-12	3.5	30.6	20.65
DPE-1	16-Mar-12	NA	23.0	21.14
DPE-1	27-Mar-12	10.5	29.6	20.73
DPE-1	17-Apr-12	11.3	25.5	21.05
DPE-1	17-May-12	13.1	16.0	20.9
DPE-1	31-May-12	31.4	24.0	20.12
DPE-1	14-Jun-12	6.9	37.0	19.4
DPE-2	27-Oct-09	50.6	40.0	19.00
DPE-2	16-Nov-09	0.0	39.0	22.13
DPE-2	17-Dec-09	11.8	NR	NR
DPE-2	28-Dec-09	720.0	NR	NR
DPE-2	14-Jan-10	NR	NR	NR
DPE-2	22-Feb-10	27.1	45.0	21.5
DPE-2	25-Mar-10	10.5	50.0	22
DPE-2	16-Apr-10	6.0	50.0	21
DPE-2	12-May-10	10.1	55.0	22
DPE-2	17-Jun-10	8.5	35.0	20
DPE-2	26-Jul-10	0.6	40.0	22
DPE-2	27-Sep-10	>4000	52.4	20.98
DPE-2	18-Oct-10	15.7	55.0	19
DPE-2	22-Dec-10	2.8	70.0	22.14
DPE-2	6-Jan-11	23.6	76.0	20.2
DPE-2	20-Jan-11	2.6	55.0	21.5
DPE-2	27-Feb-11	15.1	64.0	20.8
DPE-2	7-Mar-11	19.8	50.0	21.34
DPE-2	18-Mar-11	2.1	55.0	21.2
DPE-2	23-Mar-11	1.2	40.0	21
DPE-2	22-Apr-11	2.0	39.0	21.3
DPE-2	19-May-11	7.1	45.0	21
DPE-2	16-Jun-11	21.0	38.1	22.5
DPE-2	25-Jul-11	13.5	38.1	21.43
DPE-2	28-Aug-11	10.2	45.0	21.8
DPE-2	29-Sep-11	11.8	46.0	22.63
DPE-2	27-Oct-11	177.0	38.0	22
DPE-2	21-Nov-11	365.0	39.0	22.4
DPE-2	20-Jan-12	7.2	46.3	16.76
DPE-2	27-Jan-12	6.4	29.2	20.19
DPE-2	16-Feb-12	6.0	26.7	21.6
DPE-2	16-Mar-12	NA	30.0	21.5
DPE-2	27-Mar-12	14.5	25.5	21.5
DPE-2	17-Apr-12	6.4	21.6	21.69
DPE-2	17-May-12	12.1	20.4	20.87
DPE-2	31-May-12	21.2	20.0	20
DPE-2	14-Jun-12	5.0	29.0	19.7

Attachment A - Table 5

DPE Well PID Readings
221 1st Avenue SW
Rochester, Minnesota

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-3	27-Oct-09	15.7	73.0	15.00
DPE-3	16-Nov-09	1,600.0	65.0	18.94
DPE-3	17-Dec-09	57.5	NR	NR
DPE-3	28-Dec-09	22.8	NR	NR
DPE-3	14-Jan-10	NR	NR	NR
DPE-3	22-Feb-10	43.4	70.0	19.5
DPE-3	25-Mar-10	31.4	70.0	19
DPE-3	16-Apr-10	17.5	75.0	18
DPE-3	12-May-10	23.7	80.0	20
DPE-3	17-Jun-10	18.1	55.0	18
DPE-3	26-Jul-10	0.0	65.0	17.5
DPE-3	27-Sep-10	>3260	68.6	19.5
DPE-3	18-Oct-10	36.4	85.0	17.5
DPE-3	22-Dec-10	28.2	78.0	21.75
DPE-3	6-Jan-11	23.9	109.0	18.5
DPE-3	20-Jan-11	4.5	77.0	18.6
DPE-3	27-Feb-11	23.3	82.0	18.8
DPE-3	7-Mar-11	25.6	55.0	20.1
DPE-3	18-Mar-11	8.4	65.0	18.7
DPE-3	23-Mar-11	5.8	65.0	18.5
DPE-3	22-Apr-11	31.3	66.0	18.5
DPE-3	19-May-11	8.0	65.0	19
DPE-3	16-Jun-11	34.0	60.1	20
DPE-3	25-Jul-11	23.2	63.2	18.24
DPE-3	28-Aug-11	62.8	71.0	19.4
DPE-3	29-Sep-11	18.7	73.6	19.53
DPE-3	27-Oct-11	201.0	70.6	19.2
DPE-3	21-Nov-11	429.0	68.0	19.6
DPE-3	20-Jan-12	16.2	52.3	16.03
DPE-3	27-Jan-12	4.2	50.6	17.8
DPE-3	16-Feb-12	16.8	43.0	18.09
DPE-3	16-Mar-12	NA	44.0	18.5
DPE-3	27-Mar-12	20.4	41.0	18.2
DPE-3	17-Apr-12	22.5	35.2	18.74
DPE-3	17-May-12	16.4	31.3	17.2
DPE-3	31-May-12	54.5	31.0	18.8
DPE-3	14-Jun-12	15.8	46.0	19
DPE-4	27-Oct-09	23.9	35.0	22.00
DPE-4	16-Nov-09	3.7	28.6	23.94
DPE-4	17-Dec-09	4,000.0	NR	NR
DPE-4	28-Dec-09	3.4	NR	NR
DPE-4	14-Jan-10	NR	NR	NR
DPE-4	22-Feb-10	13.5	60.0	20.5
DPE-4	25-Mar-10	55.3	55.0	22
DPE-4	16-Apr-10	4,000.0	70.0	18
DPE-4	12-May-10	7.0	70.0	21
DPE-4	17-Jun-10	0.0	45.0	21
DPE-4	26-Jul-10	19.0	60.0	20
DPE-4	27-Sep-10	>2300	58.3	20.28
DPE-4	18-Oct-10	ND	64.0	17.5
DPE-4	22-Dec-10	23.1	80.0	21.25
DPE-4	6-Jan-11	13.8	102.0	19
DPE-4	20-Jan-11	3.2	72.0	19
DPE-4	27-Feb-11	11.5	67.0	20.2
DPE-4	7-Mar-11	27.9	60.0	20.45
DPE-4	18-Mar-11	5.9	62.0	19
DPE-4	23-Mar-11	6.2	60.0	19.5
DPE-4	22-Apr-11	3.5	60.0	19.5
DPE-4	19-May-11	15.6	60.0	19.5
DPE-4	16-Jun-11	49.2	52.4	21
DPE-4	25-Jul-11	3.1	56.3	19.04
DPE-4	28-Aug-11	14.0	63.0	20.4
DPE-4	29-Sep-11	2.8	66.0	20.36
DPE-4	27-Oct-11	156.0	64.0	20.5
DPE-4	21-Nov-11	120.0	65.0	20
DPE-4	20-Jan-12	8.0	51.3	16.41
DPE-4	27-Jan-12	0.0	40.9	19.7
DPE-4	16-Feb-12	8.6	37.0	19.17
DPE-4	16-Mar-12	NA	35.0	19.6
DPE-4	27-Mar-12	14.6	35.0	19.4
DPE-4	17-Apr-12	13.0	31.5	19.48
DPE-4	17-May-12	0.5	60.1	14.2
DPE-4	31-May-12	6.8	27.0	19.34
DPE-4	14-Jun-12	8.5	38.0	19

Attachment A - Table 5

DPE Well PID Readings
221 1st Avenue SW
Rochester, Minnesota

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-5	27-Oct-09	3.8	40.0	22.00
DPE-5	16-Nov-09	4,000.0	30.4	23.88
DPE-5	17-Dec-09	850.0	NR	NR
DPE-5	28-Dec-09	4,000.0	NR	NR
DPE-5	14-Jan-10	NR	NR	NR
DPE-5	22-Feb-10	ND	100.0	16
DPE-5	25-Mar-10	5.7	75.0	18
DPE-5	16-Apr-10	4,000.0	120.0	14.5
DPE-5	12-May-10	0.8	115.0	18
DPE-5	17-Jun-10	0.0	75.0	16
DPE-5	26-Jul-10	5.7	100.0	15
DPE-5	27-Sep-10	>4000	119.0	15.78
DPE-5	18-Oct-10	ND	125.0	15
DPE-5	22-Dec-10	17.7	150.0	15.8
DPE-5	6-Jan-11	1.5	130.0	17
DPE-5	20-Jan-11	12.8	109.0	15.5
DPE-5	27-Feb-11	0.0	104.0	16.9
DPE-5	7-Mar-11	22.7	117.0	16.15
DPE-5	18-Mar-11	3.3	95.0	15.8
DPE-5	23-Mar-11	4.1	90.0	16.5
DPE-5	22-Apr-11	3.8	96.0	15.9
DPE-5	19-May-11	11.2	85.0	16.5
DPE-5	16-Jun-11	50.8	72.7	18
DPE-5	25-Jul-11	0.2	79.3	15.86
DPE-5	28-Aug-11	0.7	93.0	17.2
DPE-5	29-Sep-11	6.4	104.6	16.87
DPE-5	27-Oct-11	197.0	90.0	17.8
DPE-5	21-Nov-11	270.0	97.6	16.9
DPE-5	20-Jan-12	0.0	70.7	15.29
DPE-5	27-Jan-12	0.0	67.8	15.48
DPE-5	16-Feb-12	2.2	59.0	15.5
DPE-5	16-Mar-12	NA	52.0	17.6
DPE-5	27-Mar-12	3.6	58.0	15.9
DPE-5	17-Apr-12	4.2	46.9	16.6
DPE-5	17-May-12	1.2	46.0	16.12
DPE-5	31-May-12	2.1	36.0	18.5
DPE-5	14-Jun-12	2.4	60.0	15
DPE-6	27-Oct-09	ND	55.0	17.00
DPE-6	16-Nov-09	4,000.0	66.9	18.78
DPE-6	17-Dec-09	1,680.0	NR	NR
DPE-6	28-Dec-09	901.0	NR	NR
DPE-6	14-Jan-10	NR	NR	NR
DPE-6	22-Feb-10	7.1	65.0	19
DPE-6	25-Mar-10	0.0	70.0	20
DPE-6	16-Apr-10	4,000.0	75.0	18.1
DPE-6	12-May-10	0.0	90.0	19
DPE-6	17-Jun-10	0.0	50.0	19
DPE-6	26-Jul-10	4.4	60.0	18
DPE-6	27-Sep-10	>4000	92.0	18.08
DPE-6	18-Oct-10	10.2	80.0	18.5
DPE-6	22-Dec-10	11.4	105.0	19.8
DPE-6	6-Jan-11	2.8	110.0	19
DPE-6	20-Jan-11	6.3	108.0	18
DPE-6	27-Feb-11	6.2	100.0	18.1
DPE-6	7-Mar-11	16.5	75.0	19.29
DPE-6	18-Mar-11	2.8	65.0	19
DPE-6	23-Mar-11	6.7	63.0	NR
DPE-6	22-Apr-11	5.6	57.0	19.6
DPE-6	19-May-11	7.6	60.0	19.5
DPE-6	16-Jun-11	48.2	53.5	19
DPE-6	25-Jul-11	2.5	56.3	19.21
DPE-6	28-Aug-11	4.8	62.0	20.6
DPE-6	29-Sep-11	6.6	69.8	20.26
DPE-6	27-Oct-11	127.0	65.0	20.1
DPE-6	21-Nov-11	40.0	62.0	20.4
DPE-6	20-Jan-12	0.0	57.8	16.12
DPE-6	27-Jan-12	0.0	46.7	18.49
DPE-6	16-Feb-12	0.9	37.8	18.68
DPE-6	16-Mar-12	NA	40.0	18.9
DPE-6	27-Mar-12	2.1	36.0	19.1
DPE-6	17-Apr-12	1.7	32.3	19.3
DPE-6	17-May-12	0.8	29.6	18.1
DPE-6	31-May-12	1.0	28.0	18.3
DPE-6	14-Jun-12	1.4	45.0	16

Attachment A - Table 5

DPE Well PID Readings
221 1st Avenue SW
Rochester, Minnesota

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-7	27-Oct-09	ND	60.0	16.00
DPE-7	16-Nov-09	4,000.0	75.5	17.70
DPE-7	17-Dec-09	490.0	NR	NR
DPE-7	28-Dec-09	905.0	NR	NR
DPE-7	14-Jan-10	NR	NR	NR
DPE-7	22-Feb-10	ND	80.0	17.5
DPE-7	25-Mar-10	0.0	90.0	17
DPE-7	16-Apr-10	4,000.0	115.0	11
DPE-7	12-May-10	0.0	110.0	18
DPE-7	17-Jun-10	0.0	70.0	18
DPE-7	26-Jul-10	0.1	75.0	17
DPE-7	27-Sep-10	>4000	96.7	17.18
DPE-7	18-Oct-10	ND	105.0	15.5
DPE-7	22-Dec-10	10.7	65.0	22
DPE-7	6-Jan-11	2.4	130.0	17.5
DPE-7	20-Jan-11	0.4	100.0	18.21
DPE-7	27-Feb-11	0.0	90.0	17.9
DPE-7	7-Mar-11	29.1	95.0	16.2
DPE-7	18-Mar-11	3.1	75.0	17
DPE-7	23-Mar-11	8.6	70.0	17.5
DPE-7	22-Apr-11	5.4	72.0	17.7
DPE-7	19-May-11	6.1	70.0	18
DPE-7	16-Jun-11	47.4	56.3	20
DPE-7	25-Jul-11	0.1	60.4	18.95
DPE-7	28-Aug-11	0.0	67.0	19.8
DPE-7	29-Sep-11	6.0	82.0	18.5
DPE-7	27-Oct-11	88.0	66.0	19.7
DPE-7	21-Nov-11	10.0	66.0	19.7
DPE-7	20-Jan-12	0.0	57.8	15.9
DPE-7	27-Jan-12	0.0	52.4	17.66
DPE-7	16-Feb-12	0.3	42.1	18.2
DPE-7	16-Mar-12	NA	46.0	17.9
DPE-7	27-Mar-12	0.2	48.0	17.4
DPE-7	17-Apr-12	0.7	34.3	18.8
DPE-7	17-May-12	0.6	32.3	17.16
DPE-7	31-May-12	0.5	30.0	18.4
DPE-7	14-Jun-12	0.8	49.0	17
DPE-8	27-Oct-09	ND	45.0	22.00
DPE-8	16-Nov-09	4,000.0	29.3	23.87
DPE-8	17-Dec-09	559.0	NR	NR
DPE-8	28-Dec-09	595.0	NR	NR
DPE-8	14-Jan-10	NR	NR	NR
DPE-8	22-Feb-10	ND	100.0	16
DPE-8	25-Mar-10	4,000.0	105.0	16
DPE-8	16-Apr-10	4,000.0	NA	NA
DPE-8	12-May-10	0.0	130.0	16.5
DPE-8	17-Jun-10	0.0	85.0	14
DPE-8	26-Jul-10	3.8	105.0	14.5
DPE-8	27-Sep-10	>4000	125.5	15.91
DPE-8	18-Oct-10	ND	65.0	19.5
DPE-8	22-Dec-10	11.4	150.0	15.08
DPE-8	6-Jan-11	10.2	140.0	16
DPE-8	20-Jan-11	3.1	128.0	15.92
DPE-8	27-Feb-11	0.8	97.0	17.8
DPE-8	7-Mar-11	44.6	95.0	17.5
DPE-8	18-Mar-11	3.1	80.0	16
DPE-8	23-Mar-11	7.4	90.0	15.5
DPE-8	22-Apr-11	5.1	97.0	15.1
DPE-8	19-May-11	4.9	75.0	17
DPE-8	16-Jun-11	52.3	81.3	17
DPE-8	25-Jul-11	0.5	87.0	15.4
DPE-8	28-Aug-11	0.0	104.0	15.38
DPE-8	29-Sep-11	0.3	108.0	16.7
DPE-8	27-Oct-11	79.8	102.0	16.9
DPE-8	21-Nov-11	0.6	94.0	17.3
DPE-8	20-Jan-12	0.6	72.7	15.22
DPE-8	27-Jan-12	0.0	71.0	15.06
DPE-8	16-Feb-12	0.9	63.6	15.2
DPE-8	16-Mar-12	NA	66.0	15.13
DPE-8	27-Mar-12	0.9	64.0	15.3
DPE-8	17-Apr-12	1.1	55.3	15.62
DPE-8	17-May-12	1.0	44.7	16.45
DPE-8	31-May-12	1.2	34.0	18.4
DPE-8	14-Jun-12	1.1	65.0	14

* - temporarily operating with DPE-8 because of vacuum issues

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-1	23-Oct-09	21.9	14.88	7.02	4.6	21.8	0.1
DPE-1	27-Oct-09	21.9	14.54	7.36	4.8	21.9	0.0
DPE-1	16-Nov-09	21.9	14.45	7.45	4.9	21.9	0.0
DPE-1	17-Dec-09	21.9	15.13	6.77	4.4	21.8	0.1
DPE-1	14-Jan-10	21.9	15.53	6.37	4.2	21.0	0.9
DPE-1	22-Feb-10	21.9	12.22	9.68	6.3	21.9	0
DPE-1	25-Mar-10	21.9	15.72	6.18	4.0	20.9	1
DPE-1	16-Apr-10	21.9	15.88	6.02	3.9	20.34	1.56
DPE-1	12-May-10	21.9	16.48	5.42	3.5	21.8	0.1
DPE-1	17-Jun-10	21.9	16.62	5.28	3.4	NR	NR
DPE-1	18-Aug-10	21.9	16.8	5.1	3.3	22	-0.1
DPE-1	27-Sep-10	21.9	14.6	7.3	4.8	21.87	0.03
DPE-1	18-Nov-10	21.9	14.99	6.91	4.5	NR	NR
DPE-1	22-Dec-10	21.9	15.72	6.18	4.0	21.8	0.1
DPE-1	6-Jan-11	21.9	14.04	7.86	5.1	21.8	0.1
DPE-1	20-Jan-11	21.9	16.8	5.1	3.3	21.9	0
DPE-1	28-Feb-11	21.9	15.33	6.57	4.3	21.98	-0.08
DPE-1	7-Mar-11	21.9	17.27	4.63	3.0	22	-0.1
DPE-1	18-Mar-11	21.9	17.8	4.1	2.7	21.6	0.3
DPE-1	23-Mar-11	21.9	15.92	5.98	3.9	22	-0.1
DPE-1	22-Apr-11	21.9	16.61	5.29	3.5	21.8	0.1
DPE-1	19-May-11	21.9	14.59	7.31	4.8	21.2	0.7
DPE-1	16-Jun-11	21.9	15.12	6.78	4.4	21.84	0.06
DPE-1	25-Jul-11	21.9	14.35	7.55	4.9	21.14	0.76
DPE-1	28-Aug-11	21.9	13.04	8.86	5.8	21.6	0.3
DPE-1	29-Sep-11	21.9	15.89	6.01	3.9	21.89	0.01
DPE-1	18-Oct-11	21.9	14.89	7.01	4.6	21.5	0.4
DPE-1	27-Oct-11	21.9	16.65	5.25	3.4	21.8	0.1
DPE-1	21-Nov-11	21.9	17.4	4.5	2.9	21.2	0.7
DPE-1	20-Jan-12	21.9	15.39	6.51	4.2	21.9	0
DPE-1	27-Jan-12	21.9	17.19	4.71	3.1	21.8	0.1
DPE-1	16-Feb-12	21.9	18.28	3.62	2.4	21.7	0.2
DPE-1	16-Mar-12	21.9	19.3	2.6	1.7	21	0.9
DPE-1	27-Mar-12	21.9	17.95	3.95	2.6	21.6	0.3
DPE-1	17-Apr-12	21.9	16.67	5.23	3.4	21.8	0.1
DPE-1	17-May-12	21.9	16.93	4.97	3.2	21.1	0.8
DPE-1	14-Jun-12	21.9	17.05	4.85	3.2	21.6	0.3
DPE-2	23-Oct-09	20.5	15.53	4.97	3.2	19.95	0.55
DPE-2	27-Oct-09	20.5	16.35	4.15	2.7	20.51	-0.01
DPE-2	16-Nov-09	20.5	15.19	5.31	3.5	20.8	-0.3
DPE-2	17-Dec-09	20.5	15.69	4.81	3.1	20.4	0.1
DPE-2	14-Jan-10	20.5	16.04	4.46	2.9	20.15	0.35
DPE-2	22-Feb-10	20.5	14.19	6.31	4.1	20.5	0
DPE-2	25-Mar-10	20.5	15.5	5	3.3	20	0.5
DPE-2	16-Apr-10	20.5	16.31	4.19	2.7	20.2	0.3
DPE-2	12-May-10	20.5	16.31	4.19	2.7	20.3	0.2
DPE-2	17-Jun-10	20.5	17.09	3.41	2.2	NR	NR
DPE-2	18-Aug-10	20.5	17.58	2.92	1.9	20	0.5
DPE-2	27-Sep-10	20.5	14.92	5.58	3.6	20.5	0
DPE-2	18-Nov-10	20.5	14.79	5.71	3.7	NR	NR
DPE-2	22-Dec-10	20.5	15.72	4.78	3.1	20.3	0.2
DPE-2	6-Jan-11	20.5	14.42	6.08	4.0	20.6	-0.1
DPE-2	20-Jan-11	20.5	14.98	5.52	3.6	20.2	0.3
DPE-2	28-Feb-11	20.5	14.88	5.62	3.7	20	0.5
DPE-2	7-Mar-11	20.5	15.22	5.28	3.4	20.6	-0.1
DPE-2	18-Mar-11	20.5	15.41	5.09	3.3	20.6	-0.1
DPE-2	23-Mar-11	20.5	13.62	6.88	4.5	20.3	0.2
DPE-2	22-Apr-11	20.5	14.51	5.99	3.9	20.1	0.4
DPE-2	19-May-11	20.5	14.78	5.72	3.7	20.6	-0.1
DPE-2	16-Jun-11	20.5	15	5.5	3.6	20.25	0.25
DPE-2	25-Jul-11	20.5	14.83	5.67	3.7	20.15	0.35
DPE-2	28-Aug-11	20.5	17.81	2.69	1.8	20.2	0.3
DPE-2	29-Sep-11	20.5	15.78	4.72	3.1	20.5	0
DPE-2	18-Oct-11	20.5	14.78	5.72	3.7	20.5	0
DPE-2	27-Oct-11	20.5	15.94	4.56	3.0	20.1	0.4
DPE-2	21-Nov-11	20.5	16.49	4.01	2.6	20.4	0.1
DPE-2	20-Jan-12	20.5	15.94	4.56	3.0	20.5	0
DPE-2	27-Jan-12	20.5	16.98	3.52	2.3	21	-0.5
DPE-2	16-Feb-12	20.5	17.06	3.44	2.2	20	0.5
DPE-2	16-Mar-12	20.5	17.04	3.46	2.3	20.5	0
DPE-2	27-Mar-12	20.5	16.29	4.21	2.7	20.4	0.1
DPE-2	17-Apr-12	20.5	16.76	3.74	2.4	20.6	-0.1
DPE-2	17-May-12	20.5	16.63	3.87	2.5	20.4	0.1
DPE-2	14-Jun-12	20.5	17.1	3.4	2.2	20.2	0.3

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-3	23-Oct-09	17.1	14.76	2.34	1.5	17.5	-0.4
DPE-3	27-Oct-09	17.1	14.51	2.59	1.7	17.8	-0.7
DPE-3	16-Nov-09	17.1	14.59	2.51	1.6	17.5	-0.4
DPE-3	17-Dec-09	17.1	15.28	1.82	1.2	17.2	-0.1
DPE-3	14-Jan-10	17.1	16.52	0.58	0.4	17.1	0.0
DPE-3	22-Feb-10	17.1	15.29	1.81	1.2	17.3	-0.2
DPE-3	25-Mar-10	17.1	15.68	1.42	0.9	18.3	-1.2
DPE-3	16-Apr-10	17.1	15.8	1.3	0.8	19.41	-2.31
DPE-3	12-May-10	17.1	16.26	0.84	0.5	17.2	-0.1
DPE-3	17-Jun-10	17.1	16.43	0.67	0.4	NR	NR
DPE-3	18-Aug-10	17.1	17.2	-0.1	-0.1	17	0.1
DPE-3	27-Sep-10	17.1	14.29	2.81	1.8	19.35	-2.25
DPE-3	18-Nov-10	17.1	14.62	2.48	1.6	NR	NR
DPE-3	22-Dec-10	17.1	15.62	1.48	1.0	17.1	0
DPE-3	6-Jan-11	17.1	14.5	2.6	1.7	17	0.1
DPE-3	20-Jan-11	17.1	14.99	2.11	1.4	17.3	-0.2
DPE-3	28-Feb-11	17.1	15.22	1.88	1.2	17.18	-0.08
DPE-3	7-Mar-11	17.1	15.2	1.9	1.2	17.2	-0.1
DPE-3	18-Mar-11	17.1	15.57	1.53	1.0	17.2	-0.1
DPE-3	23-Mar-11	17.1	13.88	3.22	2.1	17.2	-0.1
DPE-3	22-Apr-11	17.1	14.51	2.59	1.7	17.2	-0.1
DPE-3	19-May-11	17.1	14.96	2.14	1.4	17	0.1
DPE-3	16-Jun-11	17.1	15.83	1.27	0.8	19.2	-2.1
DPE-3	25-Jul-11	17.1	14.11	2.99	2.0	19.2	-2.1
DPE-3	28-Aug-11	17.1	15.88	1.22	0.8	17.3	-0.2
DPE-3	29-Sep-11	17.1	16.56	0.54	0.4	17.1	0
DPE-3	18-Oct-11	17.1	14.89	2.21	1.4	17.3	-0.2
DPE-3	27-Oct-11	17.1	16.82	0.28	0.2	17.5	-0.4
DPE-3	21-Nov-11	17.1	16.51	0.59	0.4	17.2	-0.1
DPE-3	20-Jan-12	17.1	16.15	0.95	0.6	17	0.1
DPE-3	27-Jan-12	17.1	17.6	-0.5	-0.3	17.3	-0.2
DPE-3	16-Feb-12	17.1	17.9	-0.8	-0.5	17.6	-0.5
DPE-3	16-Mar-12	17.1	17.51	-0.41	-0.3	17.2	-0.1
DPE-3	27-Mar-12	17.1	16.38	0.72	0.5	17.2	-0.1
DPE-3	17-Apr-12	17.1	17.28	-0.18	-0.1	17.1	0
DPE-3	17-May-12	17.1	17.08	0.02	0.0	NR	NR
DPE-3	14-Jun-12	17.1	17.42	-0.32	-0.2	17.4	-0.3
DPE-4	23-Oct-09	19.3	14.81	4.49	2.9	19.71	-0.41
DPE-4	27-Oct-09	19.3	14.58	4.72	3.1	19.8	-0.5
DPE-4	16-Nov-09	19.3	14.48	4.82	3.1	19.63	-0.33
DPE-4	17-Dec-09	19.3	15.44	3.86	2.5	19.3	0.0
DPE-4	14-Jan-10	19.3	16.08	3.22	2.1	19.6	-0.3
DPE-4	22-Feb-10	19.3	16.08	3.22	2.1	19.0	0.3
DPE-4	25-Mar-10	19.3	16.22	3.08	2.0	20.05	-0.75
DPE-4	16-Apr-10	19.3	16.21	3.09	2.0	20.10	-0.8
DPE-4	12-May-10	19.3	16.86	2.44	1.6	19.70	-0.4
DPE-4	17-Jun-10	19.3	16.83	2.47	1.6	NR	NR
DPE-4	18-Aug-10	19.3	16.74	2.56	1.7	19.60	-0.3
DPE-4	27-Sep-10	19.3	14.74	4.56	3.0	19.73	-0.43
DPE-4	18-Nov-10	19.3	14.93	4.37	2.9	NR	NR
DPE-4	22-Dec-10	19.3	14.89	4.41	2.9	19.20	0.1
DPE-4	6-Jan-11	19.3	14.61	4.69	3.1	19.10	0.2
DPE-4	20-Jan-11	19.3	15.15	4.15	2.7	19.00	0.3
DPE-4	28-Feb-11	19.3	15.3	4	2.6	19.2	0.1
DPE-4	7-Mar-11	19.3	15.62	3.68	2.4	19.6	-0.3
DPE-4	18-Mar-11	19.3	15.62	3.68	2.4	19.6	-0.3
DPE-4	23-Mar-11	19.3	14.04	5.26	3.4	19.2	0.1
DPE-4	22-Apr-11	19.3	14.64	4.66	3.0	19.6	-0.3
DPE-4	19-May-11	19.3	15.8	3.5	2.3	17.3	2
DPE-4	16-Jun-11	19.3	15.02	4.28	2.8	19.73	-0.43
DPE-4	25-Jul-11	19.3	14.49	4.81	3.1	17.7	1.6
DPE-4	28-Aug-11	19.3	16.58	2.72	1.8	19.6	-0.3
DPE-4	29-Sep-11	19.3	16.42	2.88	1.9	19.3	0
DPE-4	18-Oct-11	19.3	14.98	4.32	2.8	19.5	-0.2
DPE-4	27-Oct-11	19.3	16.64	2.66	1.7	19.4	-0.1
DPE-4	21-Nov-11	19.3	17.11	2.19	1.4	19.1	0.2
DPE-4	20-Jan-12	19.3	16.08	3.22	2.1	19	0.3
DPE-4	27-Jan-12	19.3	17.45	1.85	1.2	19.3	0
DPE-4	16-Feb-12	19.3	17.76	1.54	1.0	19.2	0.1
DPE-4	16-Mar-12	19.3	17.7	1.6	1.0	19.3	0
DPE-4	27-Mar-12	19.3	16.29	3.01	2.0	19.4	-0.1
DPE-4	17-Apr-12	19.3	17.61	1.69	1.1	19.6	-0.3
DPE-4	17-May-12	19.3	18.44	0.86	0.6	19.2	0.1
DPE-4	14-Jun-12	19.3	18.41	0.89	0.6	19	0.3

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-5	23-Oct-09	18.1	13.78	4.32	2.8	18.5	-0.4
DPE-5	27-Oct-09	18.1	13.52	4.58	3.0	18.7	-0.6
DPE-5	16-Nov-09	18.1	NR	NR	NR	18.1	0.0
DPE-5	14-Jan-10	18.1	15	3.1	2.0	19.2	-1.1
DPE-5	22-Feb-10	18.1	15.01	3.09	2.0	18.2	-0.1
DPE-5	25-Mar-10	18.1	16.42	1.68	1.1	18.7	-0.6
DPE-5	16-Apr-10	18.1	15.54	2.56	1.7	18.65	-0.55
DPE-5	12-May-10	18.1	15.98	2.12	1.4	18.1	0
DPE-5	17-Jun-10	18.1	17.21	0.89	0.6	NR	NR
DPE-5	18-Aug-10	18.1	16.55	1.55	1.0	18.2	-0.1
DPE-5	27-Sep-10	18.1	13.73	4.37	2.9	18.1	0
DPE-5	18-Nov-10	18.1	14.19	3.91	2.6	NR	NR
DPE-5	22-Dec-10	18.1	15.41	2.69	1.8	18.1	0
DPE-5	6-Jan-11	18.1	14.14	3.96	2.6	18.3	-0.2
DPE-5	20-Jan-11	18.1	15.38	2.72	1.8	18	0.1
DPE-5	28-Feb-11	18.1	15.38	2.72	1.8	17.98	0.12
DPE-5	7-Mar-11	18.1	16.81	1.29	0.8	17.9	0.2
DPE-5	18-Mar-11	18.1	15.03	3.07	2.0	18	0.1
DPE-5	23-Mar-11	18.1	13.08	5.02	3.3	18.2	-0.1
DPE-5	22-Apr-11	18.1	16.26	1.84	1.2	18.3	-0.2
DPE-5	19-May-11	18.1	14.32	3.78	2.5	18.4	-0.3
DPE-5	16-Jun-11	18.1	14.73	3.37	2.2	18.44	-0.34
DPE-5	25-Jul-11	18.1	13.59	4.51	2.9	18.5	-0.4
DPE-5	28-Aug-11	18.1	16.28	1.82	1.2	18	0.1
DPE-5	29-Sep-11	18.1	15.35	2.75	1.8	18.4	-0.3
DPE-5	18-Oct-11	18.1	14.24	3.86	2.5	18	0.1
DPE-5	27-Oct-11	18.1	16.46	1.64	1.1	18	0.1
DPE-5	21-Nov-11	18.1	17.18	0.92	0.6	18	0.1
DPE-5	20-Jan-12	18.1	15.39	2.71	1.8	18	0.1
DPE-5	27-Jan-12	18.1	16.44	1.66	1.1	18.1	0
DPE-5	16-Feb-12	18.1	17.42	0.68	0.4	18	0.1
DPE-5	16-Mar-12	18.1	17.41	0.69	0.5	18.5	-0.4
DPE-5	27-Mar-12	18.1	15.62	2.48	1.6	18	0.1
DPE-5	17-Apr-12	18.1	17.08	1.02	0.7	18.3	-0.2
DPE-5	17-May-12	18.1	16.65	1.45	0.9	18.3	-0.2
DPE-5	14-Jun-12	18.1	16.95	1.15	0.8	18.2	-0.1
DPE-6	23-Oct-09	19.5	14.56	4.94	3.2	19.8	-0.3
DPE-6	27-Oct-09	19.5	14.31	5.19	3.4	19.5	0.0
DPE-6	16-Nov-09	19.5	14.24	5.26	3.4	19.52	-0.02
DPE-6	17-Dec-09	19.5	14.84	4.66	3.0	19.8	-0.3
DPE-6	14-Jan-10	19.5	15.14	4.36	2.8	19.8	-0.3
DPE-6	22-Feb-10	19.5	15.61	3.89	2.5	19.1	0.4
DPE-6	25-Mar-10	19.5	15.24	4.26	2.8	19.5	0
DPE-6	16-Apr-10	19.5	15.48	4.02	2.6	19.4	0.1
DPE-6	12-May-10	19.5	16.02	3.48	2.3	19.4	0.1
DPE-6	17-Jun-10	19.5	15.98	3.52	2.3	NR	NR
DPE-6	18-Aug-10	19.5	16.56	2.94	1.9	19.3	0.2
DPE-6	27-Sep-10	19.5	13.98	5.52	3.6	19.3	0.2
DPE-6	18-Nov-10	19.5	14.24	5.26	3.4	NR	NR
DPE-6	22-Dec-10	19.5	14.89	4.61	3.0	19.2	0.3
DPE-6	6-Jan-11	19.5	13.96	5.54	3.6	19.3	0.2
DPE-6	20-Jan-11	19.5	14.2	5.3	3.5	19.2	0.3
DPE-6	28-Feb-11	19.5	14.31	5.19	3.4	NR	NR
DPE-6	7-Mar-11	19.5	14.8	4.7	3.1	19.3	0.2
DPE-6	18-Mar-11	19.5	14.87	4.63	3.0	19.4	0.1
DPE-6	23-Mar-11	19.5	14.08	5.42	3.5	19.4	0.1
DPE-6	22-Apr-11	19.5	13.52	5.98	3.9	19.4	0.1
DPE-6	19-May-11	19.5	14.09	5.41	3.5	19.1	0.4
DPE-6	16-Jun-11	19.5	14.3	5.2	3.4	19.3	0.2
DPE-6	25-Jul-11	19.5	14.64	4.86	3.2	19.3	0.2
DPE-6	28-Aug-11	19.5	15.38	4.12	2.7	19.5	0
DPE-6	29-Sep-11	19.5	15.57	3.93	2.6	19.3	0.2
DPE-6	18-Oct-11	19.5	14.2	5.3	3.5	19.8	-0.3
DPE-6	27-Oct-11	19.5	15.64	3.86	2.5	19.8	-0.3
DPE-6	21-Nov-11	19.5	15.81	3.69	2.4	19.8	-0.3
DPE-6	20-Jan-12	19.5	15.39	4.11	2.7	19.6	-0.1
DPE-6	27-Jan-12	19.5	16.29	3.21	2.1	19.6	-0.1
DPE-6	16-Feb-12	19.5	16.28	3.22	2.1	19.3	0.2
DPE-6	16-Mar-12	19.5	16.4	3.1	2.0	19.4	0.1
DPE-6	27-Mar-12	19.5	15.68	3.82	2.5	19.6	-0.1
DPE-6	17-Apr-12	19.5	16.19	3.31	2.2	19.7	-0.2
DPE-6	17-May-12	19.5	16.09	3.41	2.2	19.5	0
DPE-6	14-Jun-12	19.5	16.51	2.99	2.0	19.6	-0.1

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-7	23-Oct-09	22.2	15.68	6.52	4.3	22.2	0.0
DPE-7	27-Oct-09	22.2	15.49	6.71	4.4	22.2	0.0
DPE-7	16-Nov-09	22.2	15.44	6.76	4.4	22.17	0.03
DPE-7	17-Dec-09	22.2	16.03	6.17	4.0	22.4	-0.2
DPE-7	14-Jan-10	22.2	16.26	5.94	3.9	22.1	0.1
DPE-7	22-Feb-10	22.2	16.98	5.22	3.4	22.3	-0.1
DPE-7	25-Mar-10	22.2	16.65	5.55	3.6	22.1	0.1
DPE-7	16-Apr-10	22.2	16.71	5.49	3.6	22.3	-0.1
DPE-7	12-May-10	22.2	17.41	4.79	3.1	22	0.2
DPE-7	17-Jun-10	22.2	17.5	4.7	3.1	NR	NR
DPE-7	18-Aug-10	22.2	17.98	4.22	2.8	21.9	0.3
DPE-7	27-Sep-10	22.2	15.36	6.84	4.5	21.65	0.55
DPE-7	18-Nov-10	22.2	15.59	6.61	4.3	NR	NR
DPE-7	22-Dec-10	22.2	16.02	6.18	4.0	22.1	0.1
DPE-7	6-Jan-11	22.2	15.2	7	4.6	22	0.2
DPE-7	20-Jan-11	22.2	15.31	6.89	4.5	22.1	0.1
DPE-7	28-Feb-11	22.2	15.61	6.59	4.3	22.15	0.05
DPE-7	7-Mar-11	22.2	16.08	6.12	4.0	22.4	-0.2
DPE-7	18-Mar-11	22.2	16.08	6.12	4.0	22.1	0.1
DPE-7	23-Mar-11	22.2	14.83	7.37	4.8	21.9	0.3
DPE-7	22-Apr-11	22.2	15.6	6.6	4.3	22.4	-0.2
DPE-7	19-May-11	22.2	15.33	6.87	4.5	22.3	-0.1
DPE-7	16-Jun-11	22.2	15.58	6.62	4.3	21.95	0.25
DPE-7	25-Jul-11	22.2	14.64	7.56	4.9	21.75	0.45
DPE-7	28-Aug-11	22.2	16.96	5.24	3.4	22.6	-0.4
DPE-7	29-Sep-11	22.2	17.35	4.85	3.2	21.95	0.25
DPE-7	18-Oct-11	22.2	16.25	5.95	3.9	22.4	-0.2
DPE-7	27-Oct-11	22.2	17.46	4.74	3.1	22.3	-0.1
DPE-7	21-Nov-11	22.2	17.14	5.06	3.3	22.1	0.1
DPE-7	20-Jan-12	22.2	16.68	5.52	3.6	22	0.2
DPE-7	27-Jan-12	22.2	17.64	4.56	3.0	22.4	-0.2
DPE-7	16-Feb-12	22.2	17.69	4.51	2.9	22.1	0.1
DPE-7	16-Mar-12	22.2	17.71	4.49	2.9	22	0.2
DPE-7	27-Mar-12	22.2	17.08	5.12	3.3	22.1	0.1
DPE-7	17-Apr-12	22.2	17.41	4.79	3.1	22	0.2
DPE-7	17-May-12	22.2	17.62	4.58	3.0	22.2	0
DPE-7	14-Jun-12	22.2	17.83	4.37	2.9	22	0.2
DPE-8	23-Oct-09	17.5	13.18	4.32	2.8	17.3	0.2
DPE-8	27-Oct-09	17.5	13.24	4.26	2.8	17.9	-0.4
DPE-8	16-Nov-09	17.5	13.3	4.2	2.7	17.5	0.0
DPE-8	17-Dec-09	17.5	15.31	2.19	1.4	17.9	-0.4
DPE-8	14-Jan-10	17.5	16.58	0.92	0.6	17.75	-0.25
DPE-8	22-Feb-10	17.5	14.19	3.31	2.2	18.3	-0.8
DPE-8	25-Mar-10	17.5	15.72	1.78	1.2	17.8	-0.3
DPE-8	16-Apr-10	17.5	16.2	1.3	0.8	17.8	-0.3
DPE-8	12-May-10	17.5	16.61	0.89	0.6	17.5	0
DPE-8	17-Jun-10	17.5	16.92	0.58	0.4	NR	NR
DPE-8	18-Aug-10	17.5	17.21	0.29	0.2	17.8	-0.3
DPE-8	27-Sep-10	17.5	14.75	2.75	1.8	17.6	-0.1
DPE-8	18-Nov-10	17.5	15.37	2.13	1.4	NR	NR
DPE-8	22-Dec-10	17.5	15.4	2.1	1.4	17.3	0.2
DPE-8	6-Jan-11	17.5	15.18	2.32	1.5	17.7	-0.2
DPE-8	20-Jan-11	17.5	16.15	1.35	0.9	17.6	-0.1
DPE-8	28-Feb-11	17.5	16.78	0.72	0.5	17.5	0
DPE-8	7-Mar-11	17.5	15.81	1.69	1.1	17.5	0
DPE-8	18-Mar-11	17.5	15.71	1.79	1.2	17.2	0.3
DPE-8	23-Mar-11	17.5	14.2	3.3	2.2	17.5	0
DPE-8	22-Apr-11	17.5	14.61	2.89	1.9	17.4	0.1
DPE-8	19-May-11	17.5	15.18	2.32	1.5	17.1	0.4
DPE-8	16-Jun-11	17.5	15.48	2.02	1.3	17.6	-0.1
DPE-8	25-Jul-11	17.5	14.41	3.09	2.0	17.6	-0.1
DPE-8	28-Aug-11	17.5	16.91	0.59	0.4	17.4	0.1
DPE-8	29-Sep-11	17.5	16.37	1.13	0.7	17.9	-0.4
DPE-8	18-Oct-11	17.5	15.41	2.09	1.4	17.3	0.2
DPE-8	27-Oct-11	17.5	16.82	0.68	0.4	17.6	-0.1
DPE-8	21-Nov-11	17.5	17.11	0.39	0.3	17.6	-0.1
DPE-8	20-Jan-12	17.5	16.74	0.76	0.5	17.8	-0.3
DPE-8	27-Jan-12	17.5	17.43	0.07	0.0	17.4	0.1
DPE-8	16-Feb-12	17.5	17.6	-0.1	-0.1	17.6	-0.1
DPE-8	16-Mar-12	17.5	17.5	0	0.0	17.6	-0.1
DPE-8	27-Mar-12	17.5	16.78	0.72	0.5	17.6	-0.1
DPE-8	17-Apr-12	17.5	17.49	0.01	0.0	17.9	-0.4
DPE-8	17-May-12	17.5	17.44	0.06	0.0	17.6	-0.1
DPE-8	14-Jun-12	17.5	17.5	0	0.0	17.5	0

Attachment A - Table 6

DPE Well Water Level Readings
221 1st Avenue SW
Rochester, Minnesota

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)

Notes:
1. DPE-1 groundwater elevation data from 8/28/11 appears to be a data outlier.

Attachment A - Table 7

Maintenance Schedule
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Maintenance Item	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10[1]	Sep-10	Oct-10	Nov-10	Dec-10
DPE Pump Maintenance																
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	Aug 18	Sep 27	Oct 18	Nov 18	Dec 23
- Check Oil Level (level should show at middle of site glass) - MONTHLY	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	Aug 18	Sep 27	Oct 18	Nov 18	Dec 23
- Change Oil - MONTHLY							Mar 9						Sep 27			
- Clean Pump Inlet Opening							Mar 9	Apr 16	May 12	Jun 17	Jul 26	Aug 18	Sep 27	NA	NA	NA
- Inspect and Clean Pump Inlet Screen - EACH SITE VISIT	Sep 4	Oct 15, 16	Nov 6, 16, 27	Dec 4, 17, 28	Jan 14, 27	Feb 3, 10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Separator Maintenance																
- Clean Floats - MONTHLY	Sep 4	Oct 15, 16, 23, 27	Nov 16	Dec 17	Jan 14	Feb 3, 10, 16	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
- Check Sediment - MONTHLY		Oct 27	Nov 16	Dec 17	Jan 14	Feb 3, 10, 22	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
- Remove Sediment - AS NEEDED		Oct 27	Nov 16			Feb 3, 10, 22			May 12				Sep 27			
- Replace MS#1Filter (5 micron) - SEMI-ANNUALLY						Feb 26						NA	Sep 27			
- Replace MS#2 Filter (1 micron) - SEMI-ANNUALLY						Feb 26						NA	Sep 27			
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
for Water Leaks - MONTHLY																
- Replace Transfer Pump Stator - SEMI-ANNUALLY						Feb 16						Aug 18	Sep 27			
- Clean Discharge Flow Meter - SEMI-ANNUALLY																
Air Stripper Maintenance																
- Clean Air Stripper - ANNUALLY OR AS NEEDED							Mar 25	Apr 16	May 12	Jun 17	Jul 26		Sep 27	Oct 18		
- Clean Floats - QUARTERLY						Feb 12			May 12			NA	Sep 27	Oct 18		
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
Fittings for Water Leaks - MONTHLY																
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
Leaks - MONTHLY																
Solonoid Valve Maintenance																
- Inspect - MONTHLY	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
- Clean - AS NEEDED		Oct 27	Nov 6	Dec 4									Sep 27			
- Rebuild - AS NEEDED				Dec 7									Sep 27			

Notes:

Sep 4: Date task completed.
X: Task to be completed during that month.
NA: Not applicable
1: Some maintenance was not performed because of DPE pump oil leak.

Attachment A - Table 7

Maintenance Schedule
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Maintenance Item	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
DPE Pump Maintenance												
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Jan 6, 20	Feb 28	Mar 18, 23	Apr, 22	May, 19	Jun 15	Jul 25	Aug 28	Sep 11	Oct 27	Nov 21	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	Jan 6, 20	Feb 28	Mar 18, 23	Apr, 22	May, 19	Jun 15	Jul 25	Aug 28	Sep 11	Oct 27	Nov 21	
- Change Oil - MONTHLY		Feb 28	Mar 23	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 27	Nov 21	
- Clean Pump Inlet Opening	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
- Inspect and Clean Pump Inlet Screen - EACH SITE VISIT	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Moisture Separator Maintenance												
- Clean Floats - MONTHLY	Jan 6, 20	Feb 28	Mar 7, 18, 23	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18		
- Check Sediment - MONTHLY	Jan 6, 20	Feb 28	Mar 7, 18, 23	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18		
- Remove Sediment - AS NEEDED			Mar 7			Jun 15,						
- Replace MS#1Filter (5 micron) - SEMI-ANNUALLY									Sep 11			
- Replace MS#2 Filter (1 micron) - SEMI-ANNUALLY									Sep 11			
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Jan 6, 20	Feb 28	Mar 7, 18, 23	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18, 27	Nov 21	
for Water Leaks - MONTHLY												
- Replace Transfer Pump Stator - SEMI-ANNUALLY			Mar 18		May, 19		Jul 25	Aug 28		Oct 18		
- Clean Discharge Flow Meter - SEMI-ANNUALLY												
Air Stripper Maintenance												
- Clean Air Stripper - ANNUALLY OR AS NEEDED	Jan 6, 20		Mar 18	Apr, 22	May, 19		Jul 25			Oct 18	Nov 21	
- Clean Floats - QUARTERLY			Mar 18					Aug 28		Oct 18		
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Jan 6, 20	Feb 28	Mar 7, 18	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18	Nov 21	
Fittings for Water Leaks - MONTHLY												
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Jan 6, 20	Feb 28	Mar 7, 18	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18, 27	Nov 21	
Leaks - MONTHLY												
Solonoid Valve Maintenance												
- Inspect - MONTHLY	Jan 6, 20	Feb 28	Mar 18	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18	Nov 21	
- Clean - AS NEEDED	Jan 6, 20		Mar 18									
- Rebuild - AS NEEDED	Jan 6, 20	Feb 28						Aug 28				

Notes:

Sep 4: Date task completed.
X: Task to be completed during that month.
NA: Not applicable
1: Some maintenance was not performed because of DPE pump oil leak.

Attachment A - Table 7

Maintenance Schedule
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

Maintenance Item	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
DPE Pump Maintenance												
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Check Oil Level (level should show at middle of site glass) - MONTHLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Change Oil - MONTHLY	Jan 27,20	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Clean Pump Inlet Opening	NA	NA	NA	NA	NA	Jun 14	NA	NA	NA	NA	NA	NA
- Inspect and Clean Pump Inlet Screen - EACH SITE VISIT	NA	NA	Mar 16,27	NA	NA	Jun 14	NA	NA	NA	NA	NA	NA
Moisture Separator Maintenance												
- Clean Floats - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Check Sediment - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Remove Sediment - AS NEEDED	Jan 20		Mar 16						X			X
- Replace MS#1Filter (5 micron) - SEMI-ANNUALLY											X	
- Replace MS#2 Filter (1 micron) - SEMI-ANNUALLY											X	
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Jan 27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
for Water Leaks - MONTHLY												
- Replace Transfer Pump Stator - SEMI-ANNUALLY											X	
- Clean Discharge Flow Meter - SEMI-ANNUALLY						Jun 14						
Air Stripper Maintenance												
- Clean Air Stripper - ANNUALLY OR AS NEEDED	Jan 20,27	Feb 16	Mar 16		May 17		X	X	X	X	X	X
- Clean Floats - QUARTERLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17		Jun 14			X			X
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17		X	X	X	X	X	X
Fittings for Water Leaks - MONTHLY												
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17		X	X	X	X	X	X
Leaks - MONTHLY												
Solonoid Valve Maintenance												
- Inspect - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	X	X	X	X	X	X
- Clean - AS NEEDED	Jan 20											
- Rebuild - AS NEEDED			Mar 16									

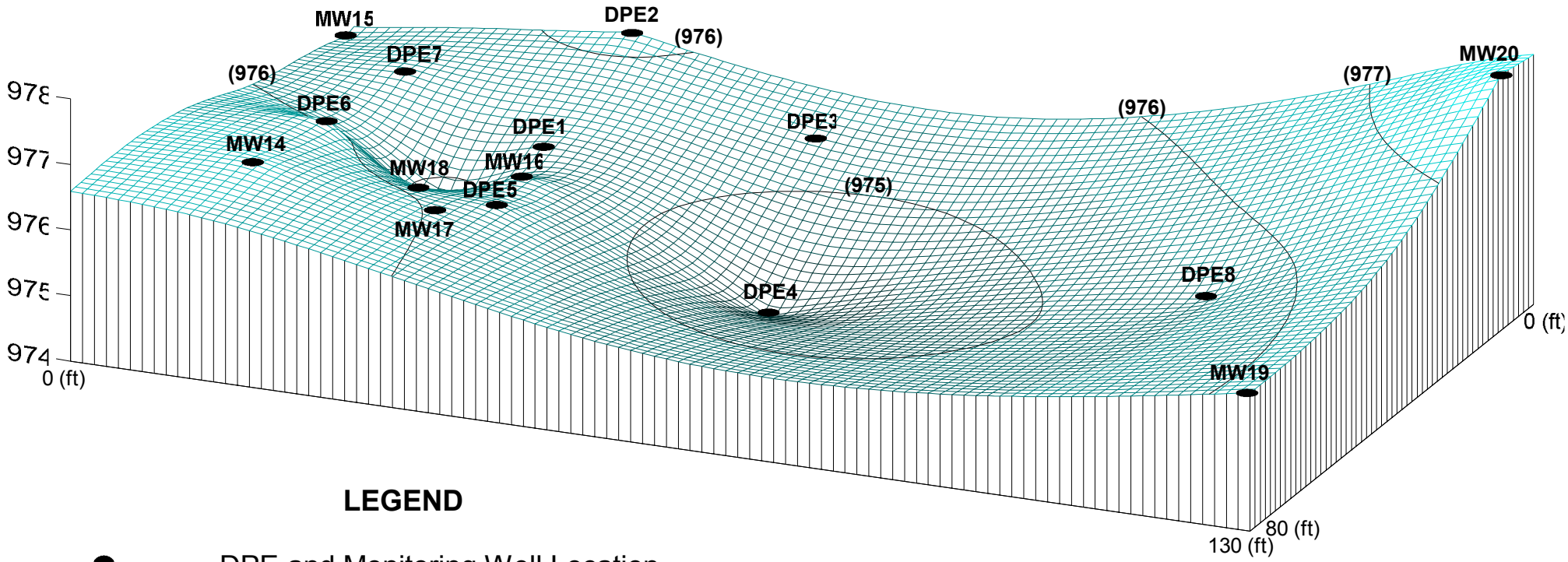
Notes:

Sep 4: Date task completed.
X: Task to be completed during that month.
NA: Not applicable
1: Some maintenance was not performed because of DPE pump oil leak.

ATTACHMENT A FIGURE 1A

3D GROUNDWATER FLOW INTERPRETATION
May 17, 2012

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



LEGEND

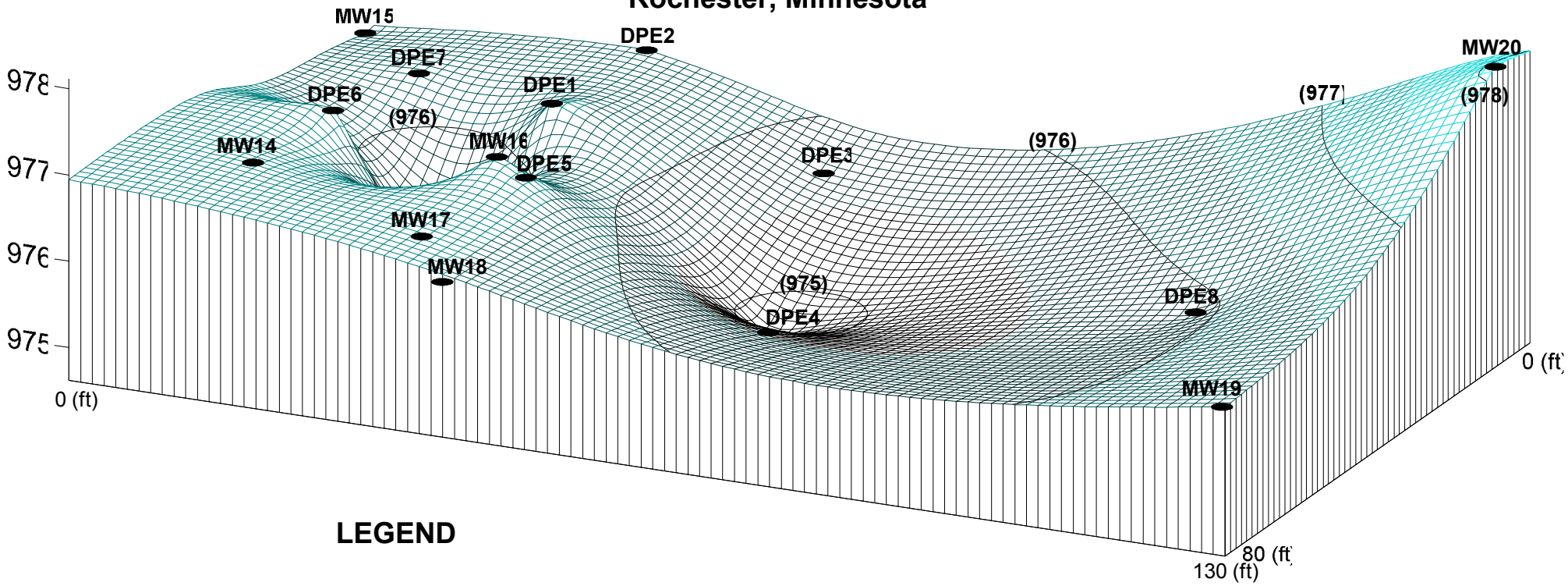
● DPE and Monitoring Well Location

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

ATTACHMENT A FIGURE 1B

3D GROUNDWATER FLOW INTERPRETATION
May 31, 2012

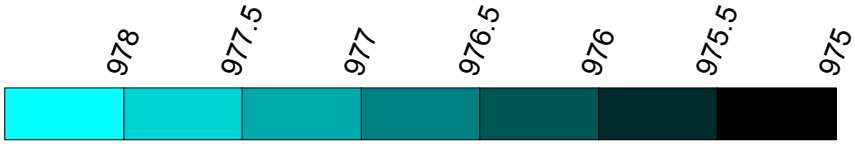
MN Bio Business Center
221 First Avenue S.W.
Rochester, Minnesota



LEGEND

● DPE and Monitoring Well Location

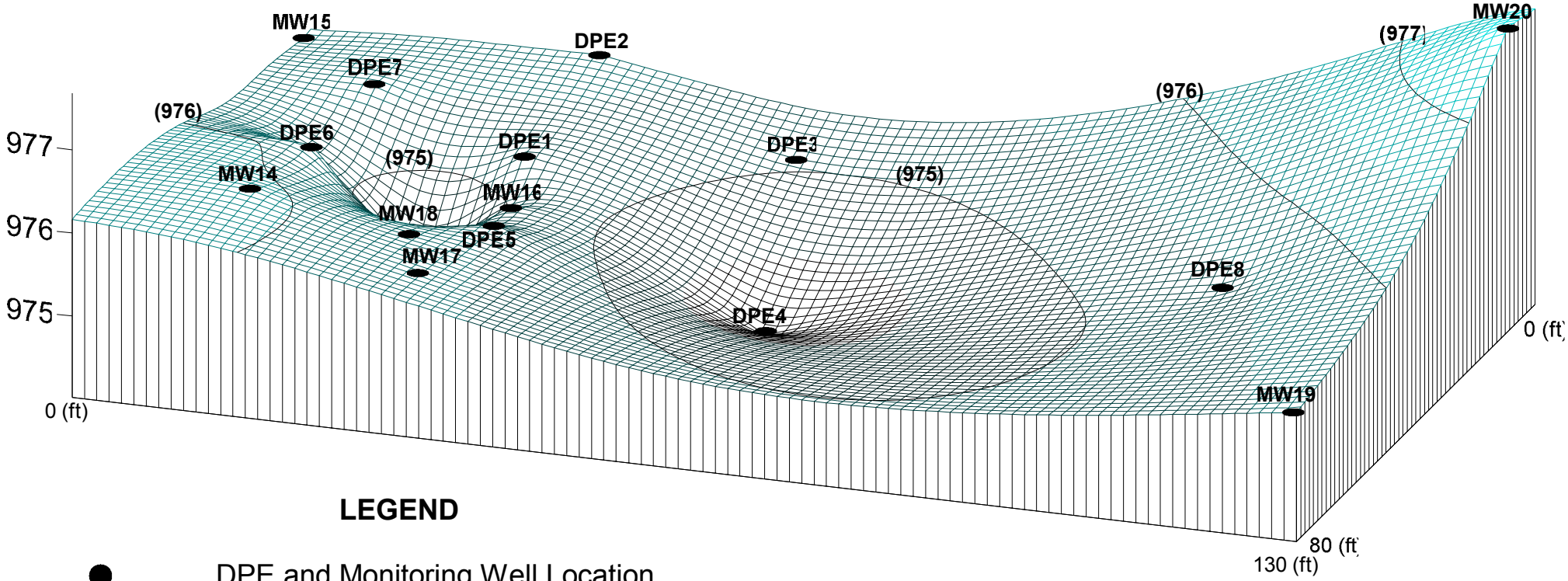
(976) Groundwater Elevation (feet above mean sea level)



ATTACHMENT A FIGURE 1C

3D GROUNDWATER FLOW INTERPRETATION
June 14, 2012

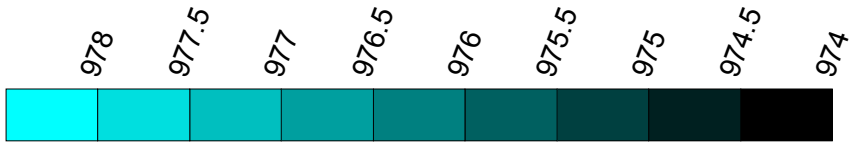
MN Bio Business Center
221 First Avenue S.W.
Rochester, Minnesota



LEGEND

● DPE and Monitoring Well Location

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



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: 5/17/12
TIME: 10:00
RECORDED BY:

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): 48.6 #8
DPE WELL VACUUM (IN. HG): 15.7
DPE PUMP INLET VACUUM (IN. HG): 15.9
DPE PUMP OUTLET PRESSURE (PSI): 0.03
DPE PUMP OUTLET TEMP (DEG. F): 208
MS PUMP WATER FLOW (GPM): 11.96

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 19660
MS PUMP (HRS): 1255
MS VACUUM VALVE (HRS): 211
AIR STRIPPER BLOWER (HRS): 8359
AIR STRIPPER PUMP (HRS): 568
DPE AIR FLOW (SCF): 82983000
MS PUMP WATER FLOW (GAL): 809091
SUMP PUMP WATER FLOW (GAL): 610

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 12.5
PRE-MANIFOLD VACUUM (IN. HG): 12.5
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 14.1
POST-MS-1 VACUUM (IN. HG): 14.1
POST-MS-2 VACUUM (IN. HG): 15.5
DPE PUMP AIR FLOW (SCFM): 50
DPE EXHAUST PID CONC. (PPM): 229 (8KW) 1.0
DPE PUMP OUTLET PRESSURE (IN. H2O): 0
DPE PUMP OUTLET TEMP (DEG. F): 199

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 17.0
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 21.0
MS PUMP FLOW TOTALIZER READING (GAL): 236394

AS EXHAUST PRESSURE (IN. H20): 9.0
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): ~~102~~ 4
AS BLOWER PRESSURE (IN. H20): 16
AS EXHAUST PID (PPM): ND

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 541

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	12.88
MW-15	4	18	15.90
MW-16	10	18	13.80
MW-17	7	25	13.91
MW-18	6	60	14.88
MW-19	1	20	15.03
MW-20	8	16.7	13.59
DPE-1	15	21.9	16.93
DPE-2	13	20.5	16.63
DPE-3	14	17.1	X 17.08
DPE-4	12	19.3	18.44
DPE-5	9	18.1	16.65
DPE-6	5	19.5	16.09
DPE-7	2	22.2	17.62
DPE-8	11	17.5	17.44
Sump	1	7.74	7.5-dry

2 3 7 5 4 1 6

OPERATING WATER LEVELS

DPE-1	21.2
DPE-2	20.4
DPE-3	X
DPE-4	19.2
DPE-5	18.3
DPE-6	19.5
DPE-7	22.2
DPE-8	17.6

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

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

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

DATE: 5/17/12
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	13.1	16	20.9	42
DPE-2	12.1	20.4	20.87	98
DPE-3	10.4	31.3	17.12	126
DPE-4	0.5	60.1	14.2	90
DPE-5	1.2	46	16.12	100
DPE-6	0.8	29.6	18.10	98
DPE-7	0.6	32.3	17.16	30
DPE-8	1.0	44.7	16.45	68

Started CAN 10:00
-28 – end 15:56
-3

CAN Number 361

Regulator # FC0027

Re-configured to run w/out 3 –
& added time for 3
2 added & time

Sampled AS Inf 10:55
Sampled AS exhaust 11:00

MAINTENANCE CHECKLIST (Revised 4/13/10)

MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Date: 5/17/12

Field Represenative:

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	✓	
- Change Oil - MONTHLY	✓	
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY	✓	
- Remove Sediment - MONTHLY		NA
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs		Need to
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs		Need to
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	✓	
- Replace Transfer Pump Stator - SEMI-ANNUALLY		NA
- Clean Discharge Flow Meter - SEMI-ANNUALLY	✓	
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED	✓	
- Clean Floats - Quarterly	✓	
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	✓	
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	✓	
Solonoid Valve Maintenance		
- Inspect - MONTHLY	✓	#3 Frozen and Failed Open
- Clean - AS NEEDED	✓	Jason ordering two

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: Multiple Location Date: May 16, 2012

Station: _____ Sample time: _____

Multiple Sampling Log:		Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	
Location:								
DPE-1:	11:15		9.9	1023	7.83	-57	1.09	
DPE-2:	11:30		18.5	2156	7.74	-61	4.57	
DPE-3:	11:45		9.9	4383	7.45	-40	1.09	
DPE-4:	12:00		19.2	1579	7.45	-18	6.35	
DPE-5:	12:15		9.9	1767	7.85	-15	1.09	
DPE-6:	12:30		14.9	611	7.93	-23	6.43	
DPE-7:	12:45		19.2	1366	7.68	-22	4.76	
DPE-8:	~~13:00~~				Dry			
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.

No 8 Dry

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-16 Date: May 16, 2012

Station: Sample time: ~~11:00~~ 14:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	13.80		9.9	1129	7.54	-24	1.9	
Water depth[1]:	4.2							
Well volume (gal):	0.7							
Purge method:	2" Sub							
Sample Method:	Ded Bailer							
Start time:	/							
Stop time:	/							
Duration (min.):	/	Odor:	None					
Rate, gpm:	/	Purge appearance:	cloudy Brn					
Volume purged:	0.9	Sample appearance:	cloudy Brn					
Duplicate collected?		Comments:	0.9 Gallons dry					
Sampled by:								
Others present:				Well Condition	Good			
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 – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-20 Date: May 16, 2012

Station: Sample time: 16:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	13.99		9.9	726	7.02	-21	1.06	
Water depth[1]:	2.71							
Well volume (gal):	0.4							
Purge method:	2" sub							
Sample Method:	Bailer							
Start time:								
Stop time:								
Duration (min.):		Odor:	No					
Rate, gpm:		Purge appearance:	c/d Brown					
Volume purged:	.6 G	Sample appearance:	c/dy Brown					
Duplicate collected?		Comments:	0.6 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 Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-17 Date: May 16, 2012

Station: 25 Sample time: 15:00

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	13.91	3 gallons	9.5	1000	7.54	-39	1.09	
Water depth[1]:	11.09							
Well volume (gal):	1.8							
Purge method:	2" sub							
Sample Method:	Ded Bailer							
Start time:	/							
Stop time:	/							
Duration (min.):	/	Odor:	NO					
Rate, gpm:		Purge appearance:	Red Brn					
Volume purged:	3 gallons	Sample appearance:	Red Brn					
Duplicate collected?		Comments:	3 gallons dry					
Sampled by:	SB							
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 – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-18 Date: May 16, 2012

Station: Sample time: ~~14~~ 15:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	14.88	21	9.9	2361	6.68	-46	5.6	
Water depth[1]:	45.12							
Well volume (gal):	7.3							
Purge method:	2" sub							
Sample Method:	Ded Bail							
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:		gray				
Volume purged:		Sample appearance:		gray				
Duplicate collected?		Comments: 21 gallon 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 Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-15 Date: May 16, 2012

Station: Sample time: 14:00

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	15.90		9.9	1223	7.49	-20	1.9	✓
Water depth[1]:	2.1							
Well volume (gal):	0.3							
Purge method:	2" Sub							
Sample Method:	DeD Bail							
Start time:	/							
Stop time:	/							
Duration (min.):	/	Odor:						
Rate, gpm:	/	Purge appearance:	Brown / Red					
Volume purged:	.6	Sample appearance:	Brown / Red					
Duplicate collected?	NO	Comments:	.6 G dry					
Sampled by:	JEC							
Others present:		Well Condition	Good					
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 – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-14 Date: May 16, 2012

Station: Sample time: 13:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	12.88		9.9	1062	7.07	-17	1.9	✓
Water depth[1]:	4.62							
Well volume (gal):	.8							
Purge method:	2" Sub							
Sample Method:	DeD Bailer							
Start time:	✓							
Stop time:	✓							
Duration (min.):	✓	Odor:						
Rate, gpm:	✓	Purge appearance:	Brown cloudy					
Volume purged:	1.6 g	Sample appearance:	Brown cloudy					
Duplicate collected?	No	Comments:	– 1.6 g dry					
Sampled by:	JEC							
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 – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-19 Date: May 16, 2012

Station: Sample time: ~~16:30~~ 16:00

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	15.03		9.9	4425	7.3	-3.4	7.0	✓
Water depth[1]:	4.97							
Well volume (gal):	0.8							
Purge method:	2" sub							
Sample Method:	Ded Bail							
Start time:	✓							
Stop time:	✓							
Duration (min.):	✓	Odor:						
Rate, gpm:	✓	Purge appearance:	Brown / Red					
Volume purged:	1/2 g	Sample appearance:	Brown / Red					
Duplicate collected?	NO	Comments:	1/2 gallon dry					
Sampled by:	JEC							
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 DATA SHEET 1 of 2 (REVISED 4/13/10)

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

DATE: 5/31/12
TIME: 10:59
RECORDED BY:

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: #4
DPE WELL BLEED VALVE % OPEN:
DPE PUMP BLEED VALVE % OPEN:

ANALOG PANEL READINGS
DPE PUMP AIR FLOW (SCFM): 25.5
DPE WELL VACUUM (IN. HG): 19.17
DPE PUMP INLET VACUUM (IN. HG): 20.65
DPE PUMP OUTLET PRESSURE (PSI): 0.02
DPE PUMP OUTLET TEMP (DEG. F): 235
MS PUMP WATER FLOW (GPM): 11.2

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 19950
MS PUMP (HRS): 1290
MS VACUUM VALVE (HRS): 215
AIR STRIPPER BLOWER (HRS): 8498
AIR STRIPPER PUMP (HRS): 574
DPE AIR FLOW (SCF): 83649000
MS PUMP WATER FLOW (GAL): 819567
SUMP PUMP WATER FLOW (GAL): 610

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): ~~18.8~~ 17.0
PRE-MANIFOLD VACUUM (IN. HG): ~~18.0~~ 17.0
DPE WELL (PRE-MS-1) VACUUM (IN.HG): ~~18.2~~ 17.0
POST-MS-1 VACUUM (IN. HG): 17.0
POST-MS-2 VACUUM (IN. HG): 20.0
DPE PUMP AIR FLOW (SCFM): 30
DPE EXHAUST PID CONC. (PPM): 6.8
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 218

Failure 1

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 11.2
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 20
MS PUMP FLOW TOTALIZER READING (GAL):

AS EXHAUST PRESSURE (IN. H20): 8
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
AS BLOWER PRESSURE (IN. H20): 16
AS EXHAUST PID (PPM): ND

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	~~15.79~~ 12.64
MW-15	4	18	15.26
MW-16	10	18	13.26
MW-17	7	25	13.99
MW-18	6	60	14.96
MW-19	1	20	14.79
MW-20	8	16.7	13.38
DPE-1	15	21.9	15.79
DPE-2	13	20.5	16.34
DPE-3	14	17.1	16.82
DPE-4	12	19.3	17.71
DPE-5	9	18.1	15.58
DPE-6	5	19.5	15.56
DPE-7	2	22.2	17.11
DPE-8	11	17.5	16.89
Sump	1	7.74	6.99

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

5/31/12

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

DATE:
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	31.4	24	20.12	32
DPE-2	21.2	20	20	149
DPE-3	54.5	31	18.8	126
DPE-4	6.8	27	19.34	140
DPE-5	2.1x	36	18.5	85
DPE-6	1.0	28	18.3	100
DPE-7	0.5	30	18.4	48
DPE-8	1.2	34	18.4	95

Changed Programs Back

#2

0124 0724 1324 1924
~~0250~~ 0850 1450 2050
0250

Change 3 back

0249 0849 1449 2049

0415 1015 1615 2215

2214

#4

0414 1014 1614 2340
0540 1140 1740

~~8 back to~~

~~6 #7 0600~~

~~5 #1 2359 0559 1159 1759~~

MAINTENANCE CHECKLIST (Revised 4/13/10)

MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Date: 5/31/12

Field Represenative:

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	✓	
- Change Oil - MONTHLY		Changed
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY	✓	
- Remove Sediment - MONTHLY		NA
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs		Need to
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs		Need to
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	✓	
- Replace Transfer Pump Stator - SEMI-ANNUALLY		NA
- Clean Discharge Flow Meter - SEMI-ANNUALLY		NA
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED		NA
- Clean Floats - Quarterly	✓	
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY		NA
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	✓	
Solonoid Valve Maintenance		
- Inspect - MONTHLY	✓	Replaced Bonnet on #3 + 2
- Clean - AS NEEDED	✓	Replace inner seal on 1

2 gauge failed #3 + #4

MAINTENANCE CHECKLIST (Revised 4/13/10)

MN Bio Business Center
221 1st Avenue SW
Rochester, MN

- Rebuild - AS NEEDED

#7 WAS

0549 1149 1749 2349
0600 1200 1800 0000

#8 WAS

0249 0849 1449 2049
0415 1015 1615 2215

Changed

#7 0549 1149 1749 2349
0555 1155 1755 2355

#8 0000 0600 1200 1800
0559 1159 1759
#1 2359 0725 1325 1925
0125

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: 6/14/12
TIME: 1017
RECORDED BY:

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 #4
DPE PUMP AIR FLOW (SCFM): 42
DPE WELL VACUUM (IN. HG): 17.5
DPE PUMP INLET VACUUM (IN. HG): 19.9
DPE PUMP OUTLET PRESSURE (PSI): 0x0.03
DPE PUMP OUTLET TEMP (DEG. F): ~~203~~ 233
MS PUMP WATER FLOW (GPM): ~~233~~ 10.95

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 20279
MS PUMP (HRS): 1335
MS VACUUM VALVE (HRS): 220
AIR STRIPPER BLOWER (HRS): 8662
AIR STRIPPER PUMP (HRS): 586
DPE AIR FLOW (SCF): 85460000
MS PUMP WATER FLOW (GAL): 830565
SUMP PUMP WATER FLOW (GAL): 610

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 15.1
PRE-MANIFOLD VACUUM (IN. HG): 15.1
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 15.1
POST-MS-1 VACUUM (IN. HG): 15.9
POST-MS-2 VACUUM (IN. HG): 19.5
DPE PUMP AIR FLOW (SCFM): 40
DPE EXHAUST PID CONC. (PPM): 8.5
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 225

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 11.0
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 26
MS PUMP FLOW TOTALIZER READING (GAL): 256390

AS EXHAUST PRESSURE (IN. H20): 9
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 18
AS BLOWER PRESSURE (IN. H20): 17
AS EXHAUST PID (PPM): N.D

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 541

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	13.35
MW-15	4	18	15.93
MW-16	10	18	14.21
MW-17	7	25	14.48
MW-18	6	60	15.47
MW-19	1	20	15.56
MW-20	8	16.7	13.81
DPE-1	15	21.9	17.05
DPE-2	13	20.5	17.10
DPE-3	14	17.1	17.42
DPE-4	12	19.3	18.41
DPE-5	9	18.1	16.95
DPE-6	5	19.5	16.51
DPE-7	2	22.2	17.83
DPE-8	11	17.5	17.5 Dry
Sump	1	7.74	7.11

OPERATING WATER LEVELS

DPE-1	21.6
DPE-2	20.2
DPE-3	17.4
DPE-4	19.0
DPE-5	18.2
DPE-6	19.6
DPE-7	22 –
DPE-8	17.5

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

MAINTENANCE CHECKLIST (Revised 4/13/10)

MN Bio Business Center
221 1st Avenue SW
Rochester, MN

Date: 6/14/12

Field Represenative: JEG

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	✓	
- Change Oil - MONTHLY	✓	Running low on oil
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY	✓	
- Remove Sediment - MONTHLY	NA	
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs		Need New filters
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs		
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	✓	
- Replace Transfer Pump Stator - SEMI-ANNUALLY	NA	
- Clean Discharge Flow Meter - SEMI-ANNUALLY	✓	
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED	NA	
- Clean Floats - Quarterly	✓	Added 1 gallon Acid
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	NA	
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	NA	
Solonoid Valve Maintenance		
- Inspect - MONTHLY	✓	
- Clean - AS NEEDED	NA	

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

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

DATE: 6/14/12
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	6.9	37	19.4	35
DPE-2	5.0	29	19.7	130
DPE-3	15.8	46	19	126
DPE-4	8.5	38	19	90
DPE-5	2.4	60	15	90
DPE-6	1.4	45	16	120
DPE-7	0.8	49	17	50
DPE-8	1.1	65	14	80

-26 @ 08:50 14:50 (-6)

CAN # 558

10:00 In

10:05 ef

MAINTENANCE CHECKLIST (Revised 4/13/10)

MN Bio Business Center
221 1st Avenue SW
Rochester, MN

- Rebuild - AS NEEDED

Attachment B

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

May 25, 2012

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

RE: Project: CRC City of Rochester
Pace Project No.: 10192658

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
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CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10192658

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10192658

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10192658001	**DPE-EXHAUST-0361**	Air	05/17/12 15:56	05/18/12 13:00

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10192658

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10192658001	**DPE-EXHAUST-0361**	TO-15	DR1	61

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10192658

Sample: DPE-EXHAUST-0361 **Lab ID: 10192658001** Collected: 05/17/12 15:56 Received: 05/18/12 13:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**16.6**	ug/m3	0.81	1.68		05/23/12 21:50	67-64-1	SS
Benzene	ND	ug/m3	0.55	1.68		05/23/12 21:50	71-43-2	
Benzyl chloride	ND	ug/m3	1.8	1.68		05/23/12 21:50	100-44-7	
Bromodichloromethane	ND	ug/m3	2.3	1.68		05/23/12 21:50	75-27-4	
Bromoform	ND	ug/m3	3.5	1.68		05/23/12 21:50	75-25-2	
Bromomethane	ND	ug/m3	1.3	1.68		05/23/12 21:50	74-83-9	
1,3-Butadiene	ND	ug/m3	0.76	1.68		05/23/12 21:50	106-99-0	
2-Butanone (MEK)	ND	ug/m3	1.0	1.68		05/23/12 21:50	78-93-3	
Carbon disulfide	ND	ug/m3	1.1	1.68		05/23/12 21:50	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.1	1.68		05/23/12 21:50	56-23-5	
Chlorobenzene	ND	ug/m3	1.6	1.68		05/23/12 21:50	108-90-7	
Chloroethane	ND	ug/m3	0.91	1.68		05/23/12 21:50	75-00-3	
Chloroform	ND	ug/m3	1.7	1.68		05/23/12 21:50	67-66-3	
Chloromethane	ND	ug/m3	0.71	1.68		05/23/12 21:50	74-87-3	
Cyclohexane	ND	ug/m3	1.1	1.68		05/23/12 21:50	110-82-7	
Dibromochloromethane	ND	ug/m3	2.9	1.68		05/23/12 21:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.6	1.68		05/23/12 21:50	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.0	1.68		05/23/12 21:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.0	1.68		05/23/12 21:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.0	1.68		05/23/12 21:50	106-46-7	
Dichlorodifluoromethane	**1.8**	ug/m3	1.7	1.68		05/23/12 21:50	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.4	1.68		05/23/12 21:50	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.69	1.68		05/23/12 21:50	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.4	1.68		05/23/12 21:50	75-35-4	
cis-1,2-Dichloroethene	**34.8**	ug/m3	1.4	1.68		05/23/12 21:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.4	1.68		05/23/12 21:50	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.6	1.68		05/23/12 21:50	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		05/23/12 21:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.5	1.68		05/23/12 21:50	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.4	1.68		05/23/12 21:50	76-14-2	
Ethanol	**51.8**	ug/m3	0.64	1.68		05/23/12 21:50	64-17-5	SS
Ethyl acetate	**37.6**	ug/m3	1.2	1.68		05/23/12 21:50	141-78-6	
Ethylbenzene	ND	ug/m3	1.5	1.68		05/23/12 21:50	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.7	1.68		05/23/12 21:50	622-96-8	
n-Heptane	ND	ug/m3	1.4	1.68		05/23/12 21:50	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.7	1.68		05/23/12 21:50	87-68-3	
n-Hexane	**1.6**	ug/m3	1.2	1.68		05/23/12 21:50	110-54-3	
2-Hexanone	ND	ug/m3	1.4	1.68		05/23/12 21:50	591-78-6	
Methylene Chloride	ND	ug/m3	1.2	1.68		05/23/12 21:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.4	1.68		05/23/12 21:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.2	1.68		05/23/12 21:50	1634-04-4	
Naphthalene	**1.8**	ug/m3	1.8	1.68		05/23/12 21:50	91-20-3	SS
2-Propanol	ND	ug/m3	4.2	1.68		05/23/12 21:50	67-63-0	
Propylene	ND	ug/m3	0.59	1.68		05/23/12 21:50	115-07-1	
Styrene	ND	ug/m3	1.5	1.68		05/23/12 21:50	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.2	1.68		05/23/12 21:50	79-34-5	
Tetrachloroethene	**25200**	ug/m3	185	268.8		05/24/12 13:08	127-18-4	A3

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10192658

Sample: DPE-EXHAUST-0361 **Lab ID: 10192658001** Collected: 05/17/12 15:56 Received: 05/18/12 13:00 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	1.0	1.68		05/23/12 21:50	109-99-9	
Toluene	**3.1**	ug/m3	1.3	1.68		05/23/12 21:50	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.7	1.68		05/23/12 21:50	120-82-1	
1,1,1-Trichloroethane	**13.1**	ug/m3	1.9	1.68		05/23/12 21:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.92	1.68		05/23/12 21:50	79-00-5	
Trichloroethene	**9.6**	ug/m3	0.92	1.68		05/23/12 21:50	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.9	1.68		05/23/12 21:50	75-69-4	
1,1,2-Trichlorotrifluoroethane	**25500**	ug/m3	430	268.8		05/24/12 13:08	76-13-1	A3
1,2,4-Trimethylbenzene	**2.2**	ug/m3	1.7	1.68		05/23/12 21:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.7	1.68		05/23/12 21:50	108-67-8	
Vinyl acetate	ND	ug/m3	1.2	1.68		05/23/12 21:50	108-05-4	
Vinyl chloride	ND	ug/m3	0.44	1.68		05/23/12 21:50	75-01-4	
m&p-Xylene	ND	ug/m3	3.0	1.68		05/23/12 21:50	179601-23-1	
o-Xylene	ND	ug/m3	1.5	1.68		05/23/12 21:50	95-47-6	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10192658

QC Batch: AIR/14953
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10192658001

METHOD BLANK: 1202682
Matrix: Air
Associated Lab Samples: 10192658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/23/12 16:56	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	05/23/12 16:56	
1,1,2-Trichloroethane	ug/m3	ND	0.55	05/23/12 16:56	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/23/12 16:56	
1,1-Dichloroethane	ug/m3	ND	0.82	05/23/12 16:56	
1,1-Dichloroethene	ug/m3	ND	0.81	05/23/12 16:56	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/23/12 16:56	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	05/23/12 16:56	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/23/12 16:56	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/23/12 16:56	
1,2-Dichloroethane	ug/m3	ND	0.41	05/23/12 16:56	
1,2-Dichloropropane	ug/m3	ND	0.94	05/23/12 16:56	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	05/23/12 16:56	
1,3-Butadiene	ug/m3	ND	0.45	05/23/12 16:56	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/23/12 16:56	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/23/12 16:56	
2-Butanone (MEK)	ug/m3	ND	0.60	05/23/12 16:56	
2-Hexanone	ug/m3	ND	0.83	05/23/12 16:56	
2-Propanol	ug/m3	ND	2.5	05/23/12 16:56	
4-Ethyltoluene	ug/m3	ND	1.0	05/23/12 16:56	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/23/12 16:56	
Acetone	ug/m3	ND	0.48	05/23/12 16:56	
Benzene	ug/m3	ND	0.32	05/23/12 16:56	
Benzyl chloride	ug/m3	ND	1.0	05/23/12 16:56	
Bromodichloromethane	ug/m3	ND	1.4	05/23/12 16:56	
Bromoform	ug/m3	ND	2.1	05/23/12 16:56	
Bromomethane	ug/m3	ND	0.79	05/23/12 16:56	
Carbon disulfide	ug/m3	ND	0.63	05/23/12 16:56	
Carbon tetrachloride	ug/m3	ND	0.64	05/23/12 16:56	
Chlorobenzene	ug/m3	ND	0.94	05/23/12 16:56	
Chloroethane	ug/m3	ND	0.54	05/23/12 16:56	
Chloroform	ug/m3	ND	0.99	05/23/12 16:56	
Chloromethane	ug/m3	ND	0.42	05/23/12 16:56	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/12 16:56	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/12 16:56	
Cyclohexane	ug/m3	ND	0.68	05/23/12 16:56	
Dibromochloromethane	ug/m3	ND	1.7	05/23/12 16:56	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/23/12 16:56	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/23/12 16:56	
Ethanol	ug/m3	ND	0.38	05/23/12 16:56	
Ethyl acetate	ug/m3	ND	0.73	05/23/12 16:56	
Ethylbenzene	ug/m3	ND	0.88	05/23/12 16:56	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/23/12 16:56	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10192658

METHOD BLANK: 1202682 Matrix: Air

Associated Lab Samples: 10192658001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	05/23/12 16:56	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/23/12 16:56	
Methylene Chloride	ug/m3	ND	0.71	05/23/12 16:56	
n-Heptane	ug/m3	ND	0.83	05/23/12 16:56	
n-Hexane	ug/m3	ND	0.72	05/23/12 16:56	
Naphthalene	ug/m3	ND	1.1	05/23/12 16:56	
o-Xylene	ug/m3	ND	0.88	05/23/12 16:56	
Propylene	ug/m3	ND	0.35	05/23/12 16:56	
Styrene	ug/m3	ND	0.87	05/23/12 16:56	
Tetrachloroethene	ug/m3	ND	0.69	05/23/12 16:56	
Tetrahydrofuran	ug/m3	ND	0.60	05/23/12 16:56	
Toluene	ug/m3	ND	0.77	05/23/12 16:56	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/23/12 16:56	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/23/12 16:56	
Trichloroethene	ug/m3	ND	0.55	05/23/12 16:56	
Trichlorofluoromethane	ug/m3	ND	1.1	05/23/12 16:56	
Vinyl acetate	ug/m3	ND	0.71	05/23/12 16:56	
Vinyl chloride	ug/m3	ND	0.26	05/23/12 16:56	

LABORATORY CONTROL SAMPLE: 1202683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	46.9	85	72-129	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	67.4	97	73-131	
1,1,2-Trichloroethane	ug/m3	55.5	48.8	88	71-128	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	66.9	86	65-132	
1,1-Dichloroethane	ug/m3	41.2	43.7	106	67-132	
1,1-Dichloroethene	ug/m3	40.3	36.1	89	68-134	
1,2,4-Trichlorobenzene	ug/m3	75.5	42.2	56	48-150	
1,2,4-Trimethylbenzene	ug/m3	50	53.1	106	72-127	
1,2-Dibromoethane (EDB)	ug/m3	78.1	79.9	102	75-130	
1,2-Dichlorobenzene	ug/m3	61.2	54.9	90	71-132	
1,2-Dichloroethane	ug/m3	41.2	37.1	90	70-131	
1,2-Dichloropropane	ug/m3	47	43.8	93	73-130	
1,3,5-Trimethylbenzene	ug/m3	50	53.5	107	70-133	
1,3-Butadiene	ug/m3	22.5	20.7	92	69-132	
1,3-Dichlorobenzene	ug/m3	61.2	68.3	112	71-128	
1,4-Dichlorobenzene	ug/m3	61.2	59.4	97	72-131	
2-Butanone (MEK)	ug/m3	30	25.0	83	69-131	
2-Hexanone	ug/m3	41.7	42.7	103	71-134	
2-Propanol	ug/m3	25	22.2	89	72-132	
4-Ethyltoluene	ug/m3	50	54.7	109	71-129	SS
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	39.7	95	69-135	SS
Acetone	ug/m3	24.2	25.8	107	61-139	SS
Benzene	ug/m3	32.5	33.3	102	69-134	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10192658

LABORATORY CONTROL SAMPLE: 1202683

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	56.2	107	70-129	
Bromodichloromethane	ug/m3	68.2	62.5	92	71-130	
Bromoform	ug/m3	105	107	102	70-130	
Bromomethane	ug/m3	39.5	33.1	84	69-125	
Carbon disulfide	ug/m3	31.7	25.5	81	66-131	
Carbon tetrachloride	ug/m3	64	53.7	84	68-128	
Chlorobenzene	ug/m3	46.8	42.9	92	75-128	
Chloroethane	ug/m3	26.8	24.8	92	66-131	
Chloroform	ug/m3	49.7	43.8	88	68-132	
Chloromethane	ug/m3	21	18.4	88	60-139	
cis-1,2-Dichloroethene	ug/m3	40.3	42.0	104	73-130	
cis-1,3-Dichloropropene	ug/m3	46.2	48.6	105	74-134	
Cyclohexane	ug/m3	35	32.9	94	67-136	
Dibromochloromethane	ug/m3	86.6	85.7	99	69-131	
Dichlorodifluoromethane	ug/m3	50.3	44.1	88	67-131	
Dichlorotetrafluoroethane	ug/m3	71.1	61.0	86	66-130	
Ethanol	ug/m3	19.2	19.6	102	69-131	SS
Ethyl acetate	ug/m3	36.6	35.5	97	71-131	
Ethylbenzene	ug/m3	44.2	48.9	111	69-139	
Hexachloro-1,3-butadiene	ug/m3	108	78.4	72	41-150	SS
m&p-Xylene	ug/m3	88.3	104	118	66-137	
Methyl-tert-butyl ether	ug/m3	36.7	35.5	97	70-132	
Methylene Chloride	ug/m3	35.3	29.5	83	73-134	
n-Heptane	ug/m3	41.7	39.0	94	70-134	
n-Hexane	ug/m3	35.8	34.8	97	65-133	
Naphthalene	ug/m3	53.3	31.2	58	57-150	SS
o-Xylene	ug/m3	44.2	47.7	108	69-138	
Propylene	ug/m3	17.5	19.8	113	70-134	
Styrene	ug/m3	43.3	45.8	106	72-132	
Tetrachloroethene	ug/m3	69	66.7	97	70-130	
Tetrahydrofuran	ug/m3	30	29.6	99	74-128	
Toluene	ug/m3	38.3	37.2	97	71-132	
trans-1,2-Dichloroethene	ug/m3	40.3	34.5	85	72-128	
trans-1,3-Dichloropropene	ug/m3	46.2	47.7	103	73-130	
Trichloroethene	ug/m3	54.6	51.1	93	72-131	
Trichlorofluoromethane	ug/m3	57.1	64.7	113	66-129	
Vinyl acetate	ug/m3	35.8	34.9	97	71-131	
Vinyl chloride	ug/m3	26	22.8	88	70-131	

SAMPLE DUPLICATE: 1203825

Parameter	Units	10191969001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10192658

SAMPLE DUPLICATE: 1203825

Parameter	Units	10191969001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	1.4	1.5	.7	25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	3.8	3.7	2	25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	10.3	9.7	6	25	SS
Benzene	ug/m3	1.8	1.8	1	25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	3.5	3.5	.4	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	2.5		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	1.8	1.8	3	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	3.0	2.8	6	25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	3.5	3.5	.9	25	
n-Hexane	ug/m3	2.4	2.5	2	25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10192658

SAMPLE DUPLICATE: 1203825

Parameter	Units	10191969001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	4.0	3.9	3	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10192658

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

SAMPLE QUALIFIERS

Sample: 10192658001

[1] The Total Hydrocarbon (THC) pattern is evenly distributed throughout the chromatogram (before and after toluene).

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10192658

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10192658001	**DPE-EXHAUST-0361**	TO-15	AIR/14953		

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.

101926581

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION ☐ MA ☐ NJ ☐ NY ☐ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ OTHER_____

Section D **Required** Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	SAMPLE ID	MATRIX CODE	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	Requested Analysis: TO-15	Pace Project Number / Lab I.D.
1	DPE-EXHAUST-0361	A	C	5/17/12	10:00	5/17/12	15:56											X	101926581
2																			
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Filtered (Y/N)

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			[signature] Pace	5/18/12	13:00

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

Pace Analytical	Document Name: Air Sample Condition Upon Receipt	Document Revised: 12Apr2012 Page: 1 of 1
	Document Number: F-MN-A-106-rev.03	Issuing Authority: Pace Minnesota Quality Office

AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10192658

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

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☒ Other Box

Optional
Proj. Due Date:
Proj. Name:

Temperature (TO17 and TO13 samples only): _____
Temp should be above freezing to 6°C

Tracking #: _____ Comments:

Date and Initials of person examining contents: 5-18-12 K

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 & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐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.
Media: AIR (CAN)		11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
Samples Received: 1 CAN, 1 FC		

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
DPE-EXHAUST	0361		FC0027		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Shawn Janis Date: 5-18-12

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, Inc.
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(612)607-1700

June 25, 2012

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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Minneapolis, MN 55414
(612)607-1700

CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

Pace Analytical Services, Inc.
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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10195640001	**DPE-EXHAUST-0558**	Air	06/14/12 14:50	06/15/12 11:53

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10195640001	**DPE-EXHAUST-0558**	TO-15	CJR	61

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Sample: DPE-EXHAUST-0558 **Lab ID: 10195640001** Collected: 06/14/12 14:50 Received: 06/15/12 11:53 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	ND	ug/m3	147	307.2		06/22/12 15:43	67-64-1	
Benzene	ND	ug/m3	99.8	307.2		06/22/12 15:43	71-43-2	
Benzyl chloride	ND	ug/m3	323	307.2		06/22/12 15:43	100-44-7	
Bromodichloromethane	ND	ug/m3	418	307.2		06/22/12 15:43	75-27-4	
Bromoform	ND	ug/m3	645	307.2		06/22/12 15:43	75-25-2	
Bromomethane	ND	ug/m3	243	307.2		06/22/12 15:43	74-83-9	
1,3-Butadiene	ND	ug/m3	138	307.2		06/22/12 15:43	106-99-0	
2-Butanone (MEK)	ND	ug/m3	184	307.2		06/22/12 15:43	78-93-3	
Carbon disulfide	ND	ug/m3	194	307.2		06/22/12 15:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	197	307.2		06/22/12 15:43	56-23-5	
Chlorobenzene	ND	ug/m3	289	307.2		06/22/12 15:43	108-90-7	
Chloroethane	ND	ug/m3	166	307.2		06/22/12 15:43	75-00-3	
Chloroform	ND	ug/m3	304	307.2		06/22/12 15:43	67-66-3	
Chloromethane	ND	ug/m3	129	307.2		06/22/12 15:43	74-87-3	
Cyclohexane	ND	ug/m3	209	307.2		06/22/12 15:43	110-82-7	
Dibromochloromethane	ND	ug/m3	531	307.2		06/22/12 15:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	479	307.2		06/22/12 15:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	375	307.2		06/22/12 15:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	375	307.2		06/22/12 15:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	375	307.2		06/22/12 15:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	310	307.2		06/22/12 15:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	252	307.2		06/22/12 15:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	126	307.2		06/22/12 15:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	249	307.2		06/22/12 15:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	249	307.2		06/22/12 15:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	249	307.2		06/22/12 15:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	289	307.2		06/22/12 15:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	283	307.2		06/22/12 15:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	283	307.2		06/22/12 15:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	436	307.2		06/22/12 15:43	76-14-2	
Ethanol	**742**	ug/m3	117	307.2		06/22/12 15:43	64-17-5	
Ethyl acetate	ND	ug/m3	224	307.2		06/22/12 15:43	141-78-6	
Ethylbenzene	ND	ug/m3	270	307.2		06/22/12 15:43	100-41-4	
4-Ethyltoluene	ND	ug/m3	307	307.2		06/22/12 15:43	622-96-8	
n-Heptane	ND	ug/m3	255	307.2		06/22/12 15:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	676	307.2		06/22/12 15:43	87-68-3	
n-Hexane	ND	ug/m3	221	307.2		06/22/12 15:43	110-54-3	
2-Hexanone	ND	ug/m3	255	307.2		06/22/12 15:43	591-78-6	
Methylene Chloride	ND	ug/m3	218	307.2		06/22/12 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	255	307.2		06/22/12 15:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	224	307.2		06/22/12 15:43	1634-04-4	
Naphthalene	ND	ug/m3	329	307.2		06/22/12 15:43	91-20-3	
2-Propanol	ND	ug/m3	768	307.2		06/22/12 15:43	67-63-0	
Propylene	ND	ug/m3	108	307.2		06/22/12 15:43	115-07-1	
Styrene	ND	ug/m3	267	307.2		06/22/12 15:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	214	307.2		06/22/12 15:43	79-34-5	
Tetrachloroethene	**11200**	ug/m3	212	307.2		06/22/12 15:43	127-18-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Sample: DPE-EXHAUST-0558 **Lab ID: 10195640001** Collected: 06/14/12 14:50 Received: 06/15/12 11:53 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	184	307.2		06/22/12 15:43	109-99-9	
Toluene	ND	ug/m3	237	307.2		06/22/12 15:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	304	307.2		06/22/12 15:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	341	307.2		06/22/12 15:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	169	307.2		06/22/12 15:43	79-00-5	
Trichloroethene	ND	ug/m3	169	307.2		06/22/12 15:43	79-01-6	
Trichlorofluoromethane	ND	ug/m3	350	307.2		06/22/12 15:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	**29200**	ug/m3	492	307.2		06/22/12 15:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	307	307.2		06/22/12 15:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	307	307.2		06/22/12 15:43	108-67-8	
Vinyl acetate	ND	ug/m3	218	307.2		06/22/12 15:43	108-05-4	
Vinyl chloride	ND	ug/m3	79.9	307.2		06/22/12 15:43	75-01-4	
m&p-Xylene	ND	ug/m3	541	307.2		06/22/12 15:43	179601-23-1	
o-Xylene	ND	ug/m3	270	307.2		06/22/12 15:43	95-47-6	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

QC Batch: AIR/15155
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10195640001

METHOD BLANK: 1224604
Matrix: Air
Associated Lab Samples: 10195640001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	06/22/12 14:44	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	06/22/12 14:44	
1,1,2-Trichloroethane	ug/m3	ND	0.55	06/22/12 14:44	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	06/22/12 14:44	
1,1-Dichloroethane	ug/m3	ND	0.82	06/22/12 14:44	
1,1-Dichloroethene	ug/m3	ND	0.81	06/22/12 14:44	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	06/22/12 14:44	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	06/22/12 14:44	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	06/22/12 14:44	
1,2-Dichlorobenzene	ug/m3	ND	1.2	06/22/12 14:44	
1,2-Dichloroethane	ug/m3	ND	0.41	06/22/12 14:44	
1,2-Dichloropropane	ug/m3	ND	0.94	06/22/12 14:44	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	06/22/12 14:44	
1,3-Butadiene	ug/m3	ND	0.45	06/22/12 14:44	
1,3-Dichlorobenzene	ug/m3	ND	1.2	06/22/12 14:44	
1,4-Dichlorobenzene	ug/m3	ND	1.2	06/22/12 14:44	
2-Butanone (MEK)	ug/m3	ND	0.60	06/22/12 14:44	
2-Hexanone	ug/m3	ND	0.83	06/22/12 14:44	
2-Propanol	ug/m3	ND	2.5	06/22/12 14:44	
4-Ethyltoluene	ug/m3	ND	1.0	06/22/12 14:44	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	06/22/12 14:44	
Acetone	ug/m3	ND	0.48	06/22/12 14:44	
Benzene	ug/m3	ND	0.32	06/22/12 14:44	
Benzyl chloride	ug/m3	ND	1.0	06/22/12 14:44	
Bromodichloromethane	ug/m3	ND	1.4	06/22/12 14:44	
Bromoform	ug/m3	ND	2.1	06/22/12 14:44	
Bromomethane	ug/m3	ND	0.79	06/22/12 14:44	
Carbon disulfide	ug/m3	ND	0.63	06/22/12 14:44	
Carbon tetrachloride	ug/m3	ND	0.64	06/22/12 14:44	
Chlorobenzene	ug/m3	ND	0.94	06/22/12 14:44	
Chloroethane	ug/m3	ND	0.54	06/22/12 14:44	
Chloroform	ug/m3	ND	0.99	06/22/12 14:44	
Chloromethane	ug/m3	ND	0.42	06/22/12 14:44	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	06/22/12 14:44	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	06/22/12 14:44	
Cyclohexane	ug/m3	ND	0.68	06/22/12 14:44	
Dibromochloromethane	ug/m3	ND	1.7	06/22/12 14:44	
Dichlorodifluoromethane	ug/m3	ND	1.0	06/22/12 14:44	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	06/22/12 14:44	
Ethanol	ug/m3	ND	0.38	06/22/12 14:44	
Ethyl acetate	ug/m3	ND	0.73	06/22/12 14:44	
Ethylbenzene	ug/m3	ND	0.88	06/22/12 14:44	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	06/22/12 14:44	

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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

METHOD BLANK: 1224604 Matrix: Air

Associated Lab Samples: 10195640001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	06/22/12 14:44	
Methyl-tert-butyl ether	ug/m3	ND	0.73	06/22/12 14:44	
Methylene Chloride	ug/m3	ND	0.71	06/22/12 14:44	
n-Heptane	ug/m3	ND	0.83	06/22/12 14:44	
n-Hexane	ug/m3	ND	0.72	06/22/12 14:44	
Naphthalene	ug/m3	ND	1.1	06/22/12 14:44	
o-Xylene	ug/m3	ND	0.88	06/22/12 14:44	
Propylene	ug/m3	ND	0.35	06/22/12 14:44	
Styrene	ug/m3	ND	0.87	06/22/12 14:44	
Tetrachloroethene	ug/m3	ND	0.69	06/22/12 14:44	
Tetrahydrofuran	ug/m3	ND	0.60	06/22/12 14:44	
Toluene	ug/m3	ND	0.77	06/22/12 14:44	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	06/22/12 14:44	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	06/22/12 14:44	
Trichloroethene	ug/m3	ND	0.55	06/22/12 14:44	
Trichlorofluoromethane	ug/m3	ND	1.1	06/22/12 14:44	
Vinyl acetate	ug/m3	ND	0.71	06/22/12 14:44	
Vinyl chloride	ug/m3	ND	0.26	06/22/12 14:44	

LABORATORY CONTROL SAMPLE: 1224605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	53.1	96	72-129	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	71.2	102	73-131	
1,1,2-Trichloroethane	ug/m3	55.5	52.3	94	71-128	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	70.3	90	65-132	
1,1-Dichloroethane	ug/m3	41.2	39.8	97	67-132	
1,1-Dichloroethene	ug/m3	40.3	38.2	95	68-134	
1,2,4-Trichlorobenzene	ug/m3	75.5	121	160	48-150	L3
1,2,4-Trimethylbenzene	ug/m3	50	60.1	120	72-127	
1,2-Dibromoethane (EDB)	ug/m3	78.1	79.5	102	75-130	
1,2-Dichlorobenzene	ug/m3	61.2	67.4	110	71-132	
1,2-Dichloroethane	ug/m3	41.2	40.1	97	70-131	
1,2-Dichloropropane	ug/m3	47	45.9	98	73-130	
1,3,5-Trimethylbenzene	ug/m3	50	57.6	115	70-133	
1,3-Butadiene	ug/m3	22.5	21.9	97	69-132	
1,3-Dichlorobenzene	ug/m3	61.2	66.3	108	71-128	
1,4-Dichlorobenzene	ug/m3	61.2	63.5	104	72-131	
2-Butanone (MEK)	ug/m3	30	29.1	97	69-131	
2-Hexanone	ug/m3	41.7	47.2	113	71-134	
2-Propanol	ug/m3	25	24.4	98	72-132	
4-Ethyltoluene	ug/m3	50	58.2	116	71-129	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	44.8	108	69-135	
Acetone	ug/m3	24.2	20.1	83	61-139	
Benzene	ug/m3	32.5	31.6	97	69-134	

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1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

LABORATORY CONTROL SAMPLE: 1224605

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	58.3	111	70-129	
Bromodichloromethane	ug/m3	68.2	65.9	97	71-130	
Bromoform	ug/m3	105	114	109	70-130	
Bromomethane	ug/m3	39.5	37.2	94	69-125	
Carbon disulfide	ug/m3	31.7	28.6	90	66-131	
Carbon tetrachloride	ug/m3	64	59.7	93	68-128	
Chlorobenzene	ug/m3	46.8	46.8	100	75-128	
Chloroethane	ug/m3	26.8	25.5	95	66-131	
Chloroform	ug/m3	49.7	47.8	96	68-132	
Chloromethane	ug/m3	21	18.5	88	60-139	
cis-1,2-Dichloroethene	ug/m3	40.3	39.1	97	73-130	
cis-1,3-Dichloropropene	ug/m3	46.2	51.0	110	74-134	
Cyclohexane	ug/m3	35	34.9	100	67-136	
Dibromochloromethane	ug/m3	86.6	91.0	105	69-131	
Dichlorodifluoromethane	ug/m3	50.3	46.6	93	67-131	
Dichlorotetrafluoroethane	ug/m3	71.1	62.0	87	66-130	
Ethanol	ug/m3	19.2	19.6	102	69-131	
Ethyl acetate	ug/m3	36.6	38.4	105	71-131	
Ethylbenzene	ug/m3	44.2	49.0	111	69-139	
Hexachloro-1,3-butadiene	ug/m3	108	166	153	41-150	L3
m&p-Xylene	ug/m3	88.3	93.8	106	66-137	
Methyl-tert-butyl ether	ug/m3	36.7	36.7	100	70-132	
Methylene Chloride	ug/m3	35.3	32.2	91	73-134	
n-Heptane	ug/m3	41.7	42.3	101	70-134	
n-Hexane	ug/m3	35.8	34.2	95	65-133	
Naphthalene	ug/m3	53.3	105	197	57-150	L1
o-Xylene	ug/m3	44.2	46.3	105	69-138	
Propylene	ug/m3	17.5	17.4	100	70-134	
Styrene	ug/m3	43.3	48.7	112	72-132	
Tetrachloroethene	ug/m3	69	68.2	99	70-130	
Tetrahydrofuran	ug/m3	30	32.2	107	74-128	
Toluene	ug/m3	38.3	37.5	98	71-132	
trans-1,2-Dichloroethene	ug/m3	40.3	38.7	96	72-128	
trans-1,3-Dichloropropene	ug/m3	46.2	53.0	115	73-130	
Trichloroethene	ug/m3	54.6	51.4	94	72-131	
Trichlorofluoromethane	ug/m3	57.1	52.4	92	66-129	
Vinyl acetate	ug/m3	35.8	37.3	104	71-131	
Vinyl chloride	ug/m3	26	25.3	97	70-131	

SAMPLE DUPLICATE: 1225117

Parameter	Units	10195640001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	29200	29400	.7	25	
1,1-Dichloroethane	ug/m3	ND	ND		25	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

SAMPLE DUPLICATE: 1225117

Parameter	Units	10195640001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	126J		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	742	734	1	25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	11200	11500	3	25	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

SAMPLE DUPLICATE: 1225117

Parameter	Units	10195640001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

SAMPLE QUALIFIERS

Sample: 10195640001

[1] This result is reported from a serial dilution

ANALYTE QUALIFIERS

L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results may be biased high.

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

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10195640

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10195640001	**DPE-EXHAUST-0558**	TO-15	AIR/15155		

Pace Analytical™
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CHAIN-OF-CUSTODY / Analytica

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant

WO#: 10195640

10195640

Section A	Section B	Section C
Required Client Information:	**Required** Project Information:	Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 / Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ THER_____

SITE LOCATION ☐ GA ☐ L ☐ N ☐ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ THER____

Section D **Required** Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE

Samples

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	Sample ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED Composite Start DATE	Composite Start TIME	Composite End/Grab DATE	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	Requested Analysis: TO-15	Pace Project Number / Lab I.D.
1	DPE-EXHAUST-0558	A	C	6/14/12	8:50	6/14/12	14:50											X	Do1
2																			
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Filtered (Y/N)

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			[signature] Pace	6/15/12	1153

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: [signature]

DATE Signed (MM / DD / YY): 6/15/12

SAMPLE CONDITIONS

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

Pace Analytical	Document Name: Air Sample Condition Upon Recipt	Document Revised: 15Feb2012 Page: 1 of 1
	Document Number: F-MN-A-106-rev.02	Issuing Authority: Pace Minnesota Quality Office

AIR Sample Condition Upon Receipt

Client Name: Landmark Project # 10195640

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☑ Client ☐ Commercial ☐ Pace Other_____

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

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other_____

Optional: Proj. Due Date: Proj. Name:

Tracking #:_____

Comments:

Date and initials of person examining contents: 6/5/12

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 & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐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.
Media: air can		11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
DRE-exhaust-0558	0558		0227		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

Project Manager Review: Shannon Davis **Date:** 6-15-12

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

May 29, 2012

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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

SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10192745001	**DPE-1**	Water	05/17/12 11:15	05/18/12 13:00
10192745002	**DPE-2**	Water	05/17/12 11:30	05/18/12 13:00
10192745003	**DPE-3**	Water	05/17/12 11:45	05/18/12 13:00
10192745004	**DPE-4**	Water	05/17/12 12:00	05/18/12 13:00
10192745005	**DPE-5**	Water	05/17/12 12:15	05/18/12 13:00
10192745006	**DPE-6**	Water	05/17/12 12:30	05/18/12 13:00
10192745007	**DPE-7**	Water	05/17/12 12:45	05/18/12 13:00
10192745008	**MW-14**	Water	05/17/12 13:30	05/18/12 13:00
10192745009	**MW-15**	Water	05/17/12 14:00	05/18/12 13:00
10192745010	**MW-16**	Water	05/17/12 14:30	05/18/12 13:00
10192745011	**MW-17**	Water	05/17/12 15:00	05/18/12 13:00
10192745012	**MW-18**	Water	05/17/12 15:30	05/18/12 13:00
10192745013	**MW-19**	Water	05/17/12 16:00	05/18/12 13:00
10192745014	**MW-20**	Water	05/17/12 16:30	05/18/12 13:00
10192745015	**TRIP BLANK**	Water	05/17/12 00:00	05/18/12 13:00

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10192745001	**DPE-1**	EPA 8260	MJH	73
10192745002	**DPE-2**	EPA 8260	SE	73
10192745003	**DPE-3**	EPA 8260	SE	73
10192745004	**DPE-4**	EPA 8260	SE	73
10192745005	**DPE-5**	EPA 8260	SE	73
10192745006	**DPE-6**	EPA 8260	SE	73
10192745007	**DPE-7**	EPA 8260	SE	73
10192745008	**MW-14**	EPA 8260	SE	73
10192745009	**MW-15**	EPA 8260	SE	73
10192745010	**MW-16**	EPA 8260	SE	73
10192745011	**MW-17**	EPA 8260	SE	73
10192745012	**MW-18**	EPA 8260	SE	73
10192745013	**MW-19**	EPA 8260	SE	73
10192745014	**MW-20**	EPA 8260	SE	73
10192745015	**TRIP BLANK**	EPA 8260	SE	73

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-1 **Lab ID: 10192745001** Collected: 05/17/12 11:15 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/21/12 11:51	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/21/12 11:51	107-05-1	
Benzene	ND	ug/L	1.0	1		05/21/12 11:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/21/12 11:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/21/12 11:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/21/12 11:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/21/12 11:51	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/21/12 11:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/21/12 11:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/21/12 11:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/21/12 11:51	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/21/12 11:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/21/12 11:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/21/12 11:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/21/12 11:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/21/12 11:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/21/12 11:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/21/12 11:51	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/21/12 11:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/21/12 11:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/21/12 11:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/21/12 11:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/21/12 11:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/21/12 11:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/21/12 11:51	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/21/12 11:51	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/21/12 11:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/21/12 11:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/21/12 11:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/21/12 11:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/21/12 11:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/21/12 11:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/21/12 11:51	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/21/12 11:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/21/12 11:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/21/12 11:51	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/21/12 11:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/21/12 11:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/21/12 11:51	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-1 **Lab ID: 10192745001** Collected: 05/17/12 11:15 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/21/12 11:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	103-65-1	
Styrene	ND	ug/L	1.0	1		05/21/12 11:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/21/12 11:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/21/12 11:51	79-34-5	
Tetrachloroethene	**38.8**	ug/L	1.0	1		05/21/12 11:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/21/12 11:51	109-99-9	
Toluene	ND	ug/L	1.0	1		05/21/12 11:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/21/12 11:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/21/12 11:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/21/12 11:51	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/21/12 11:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/21/12 11:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/21/12 11:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.1**	ug/L	1.0	1		05/21/12 11:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/21/12 11:51	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/21/12 11:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/21/12 11:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/21/12 11:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/21/12 11:51	95-47-6	
Surrogates								
Dibromofluoromethane (S)	108	%	75-125	1		05/21/12 11:51	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		05/21/12 11:51	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		05/21/12 11:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/21/12 11:51	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-2 **Lab ID: 10192745002** Collected: 05/17/12 11:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		05/23/12 15:52	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		05/23/12 15:52	107-05-1	
Benzene	ND	ug/L	2.0	2		05/23/12 15:52	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		05/23/12 15:52	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		05/23/12 15:52	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		05/23/12 15:52	75-27-4	
Bromoform	ND	ug/L	8.0	2		05/23/12 15:52	75-25-2	
Bromomethane	ND	ug/L	8.0	2		05/23/12 15:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.0	2		05/23/12 15:52	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		05/23/12 15:52	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	108-90-7	
Chloroethane	ND	ug/L	2.0	2		05/23/12 15:52	75-00-3	
Chloroform	ND	ug/L	2.0	2		05/23/12 15:52	67-66-3	
Chloromethane	ND	ug/L	8.0	2		05/23/12 15:52	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		05/23/12 15:52	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		05/23/12 15:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		05/23/12 15:52	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		05/23/12 15:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		05/23/12 15:52	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		05/23/12 15:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		05/23/12 15:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		05/23/12 15:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		05/23/12 15:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		05/23/12 15:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		05/23/12 15:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		05/23/12 15:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		05/23/12 15:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	8.0	2		05/23/12 15:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		05/23/12 15:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		05/23/12 15:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		05/23/12 15:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		05/23/12 15:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		05/23/12 15:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		05/23/12 15:52	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	2		05/23/12 15:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		05/23/12 15:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		05/23/12 15:52	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		05/23/12 15:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	2		05/23/12 15:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		05/23/12 15:52	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-2 **Lab ID: 10192745002** Collected: 05/17/12 11:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	8.0	2		05/23/12 15:52	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	103-65-1	
Styrene	ND	ug/L	2.0	2		05/23/12 15:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		05/23/12 15:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		05/23/12 15:52	79-34-5	
Tetrachloroethene	**206**	ug/L	2.0	2		05/23/12 15:52	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		05/23/12 15:52	109-99-9	
Toluene	ND	ug/L	2.0	2		05/23/12 15:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		05/23/12 15:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		05/23/12 15:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		05/23/12 15:52	79-00-5	
Trichloroethene	ND	ug/L	2.0	2		05/23/12 15:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		05/23/12 15:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	2		05/23/12 15:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	**23.8**	ug/L	2.0	2		05/23/12 15:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		05/23/12 15:52	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		05/23/12 15:52	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		05/23/12 15:52	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	2		05/23/12 15:52	179601-23-1	
o-Xylene	ND	ug/L	2.0	2		05/23/12 15:52	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	2		05/23/12 15:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	2		05/23/12 15:52	17060-07-0	
Toluene-d8 (S)	95	%	75-125	2		05/23/12 15:52	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	2		05/23/12 15:52	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-3 **Lab ID: 10192745003** Collected: 05/17/12 11:45 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	500	20		05/22/12 16:06	67-64-1	
Allyl chloride	ND	ug/L	80.0	20		05/22/12 16:06	107-05-1	
Benzene	ND	ug/L	20.0	20		05/22/12 16:06	71-43-2	
Bromobenzene	ND	ug/L	20.0	20		05/22/12 16:06	108-86-1	
Bromochloromethane	ND	ug/L	20.0	20		05/22/12 16:06	74-97-5	
Bromodichloromethane	ND	ug/L	20.0	20		05/22/12 16:06	75-27-4	
Bromoform	ND	ug/L	80.0	20		05/22/12 16:06	75-25-2	
Bromomethane	ND	ug/L	80.0	20		05/22/12 16:06	74-83-9	
2-Butanone (MEK)	ND	ug/L	80.0	20		05/22/12 16:06	78-93-3	
n-Butylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	104-51-8	
sec-Butylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	135-98-8	
tert-Butylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	20		05/22/12 16:06	56-23-5	
Chlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	108-90-7	
Chloroethane	ND	ug/L	20.0	20		05/22/12 16:06	75-00-3	
Chloroform	ND	ug/L	20.0	20		05/22/12 16:06	67-66-3	
Chloromethane	ND	ug/L	80.0	20		05/22/12 16:06	74-87-3	
2-Chlorotoluene	ND	ug/L	20.0	20		05/22/12 16:06	95-49-8	
4-Chlorotoluene	ND	ug/L	20.0	20		05/22/12 16:06	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	80.0	20		05/22/12 16:06	96-12-8	
Dibromochloromethane	ND	ug/L	20.0	20		05/22/12 16:06	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	20.0	20		05/22/12 16:06	106-93-4	
Dibromomethane	ND	ug/L	80.0	20		05/22/12 16:06	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	106-46-7	
Dichlorodifluoromethane	ND	ug/L	20.0	20		05/22/12 16:06	75-71-8	
1,1-Dichloroethane	ND	ug/L	20.0	20		05/22/12 16:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	20.0	20		05/22/12 16:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	20.0	20		05/22/12 16:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	20.0	20		05/22/12 16:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	20		05/22/12 16:06	156-60-5	
Dichlorofluoromethane	ND	ug/L	20.0	20		05/22/12 16:06	75-43-4	
1,2-Dichloropropane	ND	ug/L	80.0	20		05/22/12 16:06	78-87-5	
1,3-Dichloropropane	ND	ug/L	20.0	20		05/22/12 16:06	142-28-9	
2,2-Dichloropropane	ND	ug/L	80.0	20		05/22/12 16:06	594-20-7	
1,1-Dichloropropene	ND	ug/L	20.0	20		05/22/12 16:06	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	80.0	20		05/22/12 16:06	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	80.0	20		05/22/12 16:06	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	80.0	20		05/22/12 16:06	60-29-7	
Ethylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	100	20		05/22/12 16:06	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	20.0	20		05/22/12 16:06	98-82-8	
p-Isopropyltoluene	ND	ug/L	20.0	20		05/22/12 16:06	99-87-6	
Methylene Chloride	ND	ug/L	80.0	20		05/22/12 16:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	80.0	20		05/22/12 16:06	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	20.0	20		05/22/12 16:06	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-3 **Lab ID: 10192745003** Collected: 05/17/12 11:45 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	80.0	20		05/22/12 16:06	91-20-3	
n-Propylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	103-65-1	
Styrene	ND	ug/L	20.0	20		05/22/12 16:06	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	20.0	20		05/22/12 16:06	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	20.0	20		05/22/12 16:06	79-34-5	
Tetrachloroethene	**3690**	ug/L	20.0	20		05/22/12 16:06	127-18-4	
Tetrahydrofuran	ND	ug/L	200	20		05/22/12 16:06	109-99-9	
Toluene	ND	ug/L	20.0	20		05/22/12 16:06	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	20.0	20		05/22/12 16:06	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	20.0	20		05/22/12 16:06	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	20.0	20		05/22/12 16:06	79-00-5	
Trichloroethene	ND	ug/L	20.0	20		05/22/12 16:06	79-01-6	
Trichlorofluoromethane	ND	ug/L	20.0	20		05/22/12 16:06	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	80.0	20		05/22/12 16:06	96-18-4	
1,1,2-Trichlorotrifluoroethane	**414**	ug/L	20.0	20		05/22/12 16:06	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	20.0	20		05/22/12 16:06	108-67-8	
Vinyl chloride	ND	ug/L	8.0	20		05/22/12 16:06	75-01-4	
Xylene (Total)	ND	ug/L	60.0	20		05/22/12 16:06	1330-20-7	
m&p-Xylene	ND	ug/L	40.0	20		05/22/12 16:06	179601-23-1	
o-Xylene	ND	ug/L	20.0	20		05/22/12 16:06	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	20		05/22/12 16:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	75-125	20		05/22/12 16:06	17060-07-0	
Toluene-d8 (S)	95	%	75-125	20		05/22/12 16:06	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	20		05/22/12 16:06	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-4 **Lab ID: 10192745004** Collected: 05/17/12 12:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	2		05/23/12 16:07	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		05/23/12 16:07	107-05-1	
Benzene	ND	ug/L	2.0	2		05/23/12 16:07	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		05/23/12 16:07	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		05/23/12 16:07	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		05/23/12 16:07	75-27-4	
Bromoform	ND	ug/L	8.0	2		05/23/12 16:07	75-25-2	
Bromomethane	ND	ug/L	8.0	2		05/23/12 16:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.0	2		05/23/12 16:07	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		05/23/12 16:07	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	108-90-7	
Chloroethane	ND	ug/L	2.0	2		05/23/12 16:07	75-00-3	
Chloroform	ND	ug/L	2.0	2		05/23/12 16:07	67-66-3	
Chloromethane	ND	ug/L	8.0	2		05/23/12 16:07	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		05/23/12 16:07	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		05/23/12 16:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		05/23/12 16:07	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		05/23/12 16:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		05/23/12 16:07	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		05/23/12 16:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		05/23/12 16:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		05/23/12 16:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		05/23/12 16:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		05/23/12 16:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		05/23/12 16:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		05/23/12 16:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		05/23/12 16:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	8.0	2		05/23/12 16:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		05/23/12 16:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		05/23/12 16:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		05/23/12 16:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		05/23/12 16:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		05/23/12 16:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		05/23/12 16:07	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	2		05/23/12 16:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		05/23/12 16:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		05/23/12 16:07	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		05/23/12 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	2		05/23/12 16:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		05/23/12 16:07	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-4 **Lab ID: 10192745004** Collected: 05/17/12 12:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	8.0	2		05/23/12 16:07	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	103-65-1	
Styrene	ND	ug/L	2.0	2		05/23/12 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		05/23/12 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		05/23/12 16:07	79-34-5	
Tetrachloroethene	**223**	ug/L	2.0	2		05/23/12 16:07	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		05/23/12 16:07	109-99-9	
Toluene	ND	ug/L	2.0	2		05/23/12 16:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		05/23/12 16:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		05/23/12 16:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		05/23/12 16:07	79-00-5	
Trichloroethene	ND	ug/L	2.0	2		05/23/12 16:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		05/23/12 16:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	2		05/23/12 16:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	**9.5**	ug/L	2.0	2		05/23/12 16:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		05/23/12 16:07	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		05/23/12 16:07	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		05/23/12 16:07	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	2		05/23/12 16:07	179601-23-1	
o-Xylene	ND	ug/L	2.0	2		05/23/12 16:07	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	2		05/23/12 16:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125	2		05/23/12 16:07	17060-07-0	
Toluene-d8 (S)	95	%	75-125	2		05/23/12 16:07	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	2		05/23/12 16:07	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-5 **Lab ID: 10192745005** Collected: 05/17/12 12:15 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 13:54	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 13:54	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 13:54	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 13:54	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 13:54	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 13:54	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 13:54	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 13:54	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 13:54	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 13:54	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 13:54	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 13:54	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 13:54	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 13:54	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 13:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 13:54	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 13:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 13:54	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 13:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 13:54	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 13:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 13:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 13:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 13:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 13:54	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 13:54	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 13:54	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 13:54	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 13:54	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 13:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 13:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 13:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 13:54	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 13:54	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 13:54	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 13:54	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 13:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 13:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 13:54	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-5 **Lab ID: 10192745005** Collected: 05/17/12 12:15 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 13:54	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 13:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 13:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 13:54	79-34-5	
Tetrachloroethene	**11.1**	ug/L	1.0	1		05/22/12 13:54	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 13:54	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 13:54	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 13:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 13:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 13:54	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 13:54	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 13:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 13:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 13:54	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 13:54	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 13:54	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 13:54	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 13:54	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 13:54	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		05/22/12 13:54	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		05/22/12 13:54	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		05/22/12 13:54	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 13:54	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-6 **Lab ID: 10192745006** Collected: 05/17/12 12:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 14:09	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 14:09	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 14:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 14:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 14:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 14:09	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 14:09	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 14:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 14:09	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 14:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 14:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 14:09	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 14:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 14:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 14:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 14:09	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 14:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 14:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 14:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 14:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 14:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 14:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 14:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 14:09	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 14:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 14:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 14:09	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-6 **Lab ID: 10192745006** Collected: 05/17/12 12:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 14:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 14:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/22/12 14:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 14:09	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 14:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 14:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 14:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 14:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:09	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 14:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 14:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 14:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 14:09	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	1		05/22/12 14:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		05/22/12 14:09	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		05/22/12 14:09	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 14:09	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-7 **Lab ID: 10192745007** Collected: 05/17/12 12:45 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 14:23	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 14:23	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 14:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 14:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 14:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 14:23	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 14:23	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 14:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 14:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 14:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 14:23	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 14:23	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 14:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 14:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 14:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 14:23	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 14:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 14:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:23	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:23	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 14:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 14:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 14:23	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 14:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 14:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 14:23	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 14:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 14:23	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 14:23	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: DPE-7 **Lab ID: 10192745007** Collected: 05/17/12 12:45 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 14:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 14:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:23	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/22/12 14:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 14:23	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 14:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 14:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 14:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 14:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:23	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 14:23	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 14:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 14:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 14:23	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	1		05/22/12 14:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/22/12 14:23	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/22/12 14:23	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		05/22/12 14:23	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-14 **Lab ID: 10192745008** Collected: 05/17/12 13:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 11:12	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 11:12	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 11:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 11:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 11:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 11:12	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 11:12	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 11:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 11:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 11:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 11:12	75-00-3	
Chloroform	**1.4**	ug/L	1.0	1		05/22/12 11:12	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 11:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 11:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 11:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 11:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 11:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 11:12	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 11:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 11:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 11:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 11:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 11:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 11:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 11:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 11:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 11:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 11:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 11:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 11:12	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 11:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 11:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 11:12	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 11:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 11:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 11:12	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-14 **Lab ID: 10192745008** Collected: 05/17/12 13:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 11:12	91-20-3	M1
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 11:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 11:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 11:12	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/22/12 11:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 11:12	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 11:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 11:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 11:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 11:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 11:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 11:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 11:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 11:12	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 11:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 11:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 11:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 11:12	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 11:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/22/12 11:12	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		05/22/12 11:12	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		05/22/12 11:12	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-15 **Lab ID: 10192745009** Collected: 05/17/12 14:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 11:26	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 11:26	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 11:26	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 11:26	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 11:26	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 11:26	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 11:26	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 11:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 11:26	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 11:26	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 11:26	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 11:26	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 11:26	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 11:26	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 11:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 11:26	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 11:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 11:26	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 11:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 11:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 11:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 11:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 11:26	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 11:26	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 11:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 11:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 11:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 11:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 11:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 11:26	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 11:26	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 11:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 11:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 11:26	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 11:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 11:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 11:26	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-15 **Lab ID: 10192745009** Collected: 05/17/12 14:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 11:26	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 11:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 11:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 11:26	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/22/12 11:26	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 11:26	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 11:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 11:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 11:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 11:26	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 11:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 11:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 11:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 11:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 11:26	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 11:26	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 11:26	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 11:26	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 11:26	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 11:26	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		05/22/12 11:26	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		05/22/12 11:26	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		05/22/12 11:26	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-16 **Lab ID: 10192745010** Collected: 05/17/12 14:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 14:38	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 14:38	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 14:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 14:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 14:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 14:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 14:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 14:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 14:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 14:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 14:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 14:38	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 14:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 14:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 14:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 14:38	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 14:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 14:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:38	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:38	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:38	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 14:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 14:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:38	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 14:38	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 14:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 14:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 14:38	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 14:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 14:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 14:38	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-16 **Lab ID: 10192745010** Collected: 05/17/12 14:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 14:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 14:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:38	79-34-5	
Tetrachloroethene	**7.8**	ug/L	1.0	1		05/22/12 14:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 14:38	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 14:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:38	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 14:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 14:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 14:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:38	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 14:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 14:38	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 14:38	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 14:38	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 14:38	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		05/22/12 14:38	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		05/22/12 14:38	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 14:38	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-17 **Lab ID: 10192745011** Collected: 05/17/12 15:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 14:53	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 14:53	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 14:53	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 14:53	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 14:53	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 14:53	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 14:53	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 14:53	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 14:53	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 14:53	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 14:53	75-00-3	
Chloroform	**1.6**	ug/L	1.0	1		05/22/12 14:53	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 14:53	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:53	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 14:53	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 14:53	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 14:53	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 14:53	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 14:53	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 14:53	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 14:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 14:53	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:53	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:53	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 14:53	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 14:53	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 14:53	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:53	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 14:53	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 14:53	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 14:53	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 14:53	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 14:53	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 14:53	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 14:53	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 14:53	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-17 **Lab ID: 10192745011** Collected: 05/17/12 15:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 14:53	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 14:53	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:53	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 14:53	79-34-5	
Tetrachloroethene	**37.1**	ug/L	1.0	1		05/22/12 14:53	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 14:53	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 14:53	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 14:53	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:53	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 14:53	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 14:53	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 14:53	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 14:53	96-18-4	
1,1,2-Trichlorotrifluoroethane	**6.3**	ug/L	1.0	1		05/22/12 14:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 14:53	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 14:53	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 14:53	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 14:53	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 14:53	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	1		05/22/12 14:53	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/22/12 14:53	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		05/22/12 14:53	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/22/12 14:53	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-18 **Lab ID: 10192745012** Collected: 05/17/12 15:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 15:07	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 15:07	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 15:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 15:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 15:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 15:07	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 15:07	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 15:07	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 15:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 15:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 15:07	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 15:07	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 15:07	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 15:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 15:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 15:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 15:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 15:07	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 15:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 15:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 15:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 15:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 15:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 15:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 15:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 15:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 15:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 15:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 15:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 15:07	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 15:07	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 15:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 15:07	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 15:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 15:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 15:07	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-18 **Lab ID: 10192745012** Collected: 05/17/12 15:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 15:07	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 15:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 15:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 15:07	79-34-5	
Tetrachloroethene	**1.5**	ug/L	1.0	1		05/22/12 15:07	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 15:07	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 15:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 15:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 15:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 15:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 15:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 15:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 15:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 15:07	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 15:07	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 15:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 15:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 15:07	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103	%	75-125	1		05/22/12 15:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/22/12 15:07	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		05/22/12 15:07	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/22/12 15:07	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-19 **Lab ID: 10192745013** Collected: 05/17/12 16:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 15:22	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 15:22	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 15:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 15:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 15:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 15:22	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 15:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 15:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 15:22	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 15:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 15:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 15:22	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 15:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 15:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 15:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 15:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 15:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 15:22	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 15:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 15:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 15:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 15:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 15:22	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 15:22	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 15:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 15:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 15:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 15:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 15:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 15:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 15:22	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 15:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 15:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 15:22	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 15:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 15:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 15:22	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-19 **Lab ID: 10192745013** Collected: 05/17/12 16:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 15:22	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 15:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 15:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 15:22	79-34-5	
Tetrachloroethene	**1.1**	ug/L	1.0	1		05/22/12 15:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 15:22	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 15:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 15:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 15:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 15:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 15:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 15:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 15:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 15:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 15:22	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 15:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 15:22	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 15:22	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 15:22	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 15:22	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	75-125	1		05/22/12 15:22	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		05/22/12 15:22	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 15:22	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-20 **Lab ID: 10192745014** Collected: 05/17/12 16:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 19:45	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 19:45	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 19:45	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 19:45	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 19:45	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 19:45	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 19:45	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 19:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 19:45	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 19:45	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 19:45	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 19:45	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 19:45	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 19:45	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 19:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 19:45	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 19:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 19:45	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 19:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 19:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 19:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 19:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 19:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 19:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 19:45	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 19:45	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 19:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 19:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 19:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 19:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 19:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 19:45	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 19:45	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 19:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 19:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 19:45	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 19:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 19:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 19:45	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: MW-20 **Lab ID: 10192745014** Collected: 05/17/12 16:30 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 19:45	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 19:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 19:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 19:45	79-34-5	
Tetrachloroethene	**28.7**	ug/L	1.0	1		05/22/12 19:45	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 19:45	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 19:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 19:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 19:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 19:45	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 19:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 19:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 19:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.5**	ug/L	1.0	1		05/22/12 19:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 19:45	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 19:45	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 19:45	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 19:45	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 19:45	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 19:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		05/22/12 19:45	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		05/22/12 19:45	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 19:45	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: TRIP BLANK **Lab ID: 10192745015** Collected: 05/17/12 00:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	25.0	1		05/22/12 18:31	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/22/12 18:31	107-05-1	
Benzene	ND	ug/L	1.0	1		05/22/12 18:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/22/12 18:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/22/12 18:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/22/12 18:31	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/22/12 18:31	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/22/12 18:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/22/12 18:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/22/12 18:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/22/12 18:31	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/22/12 18:31	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/22/12 18:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 18:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/22/12 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/22/12 18:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/22/12 18:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/22/12 18:31	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/22/12 18:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/22/12 18:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/22/12 18:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/22/12 18:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/22/12 18:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 18:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/22/12 18:31	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 18:31	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 18:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/22/12 18:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/22/12 18:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/22/12 18:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 18:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/22/12 18:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/22/12 18:31	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/22/12 18:31	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/22/12 18:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/22/12 18:31	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/22/12 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/22/12 18:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/22/12 18:31	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Sample: TRIP BLANK **Lab ID: 10192745015** Collected: 05/17/12 00:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/22/12 18:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	103-65-1	
Styrene	ND	ug/L	1.0	1		05/22/12 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/22/12 18:31	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/22/12 18:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/22/12 18:31	109-99-9	
Toluene	ND	ug/L	1.0	1		05/22/12 18:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/22/12 18:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/22/12 18:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/22/12 18:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/22/12 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/22/12 18:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/22/12 18:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/22/12 18:31	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/22/12 18:31	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/22/12 18:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/22/12 18:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/22/12 18:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/22/12 18:31	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		05/22/12 18:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/22/12 18:31	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		05/22/12 18:31	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/22/12 18:31	460-00-4	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

QC Batch: MSV/20280 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10192745001

METHOD BLANK: 1201017 Matrix: Water
Associated Lab Samples: 10192745001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1-Dichloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,1-Dichloroethene	ug/L	ND	1.0	05/21/12 09:49	
1,1-Dichloropropene	ug/L	ND	1.0	05/21/12 09:49	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/21/12 09:49	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/21/12 09:49	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/21/12 09:49	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/21/12 09:49	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
1,2-Dichloroethane	ug/L	ND	1.0	05/21/12 09:49	
1,2-Dichloropropane	ug/L	ND	4.0	05/21/12 09:49	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/21/12 09:49	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
1,3-Dichloropropane	ug/L	ND	1.0	05/21/12 09:49	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
2,2-Dichloropropane	ug/L	ND	4.0	05/21/12 09:49	
2-Butanone (MEK)	ug/L	ND	4.0	05/21/12 09:49	
2-Chlorotoluene	ug/L	ND	1.0	05/21/12 09:49	
4-Chlorotoluene	ug/L	ND	1.0	05/21/12 09:49	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/21/12 09:49	
Acetone	ug/L	ND	25.0	05/21/12 09:49	
Allyl chloride	ug/L	ND	4.0	05/21/12 09:49	
Benzene	ug/L	ND	1.0	05/21/12 09:49	
Bromobenzene	ug/L	ND	1.0	05/21/12 09:49	
Bromochloromethane	ug/L	ND	1.0	05/21/12 09:49	
Bromodichloromethane	ug/L	ND	1.0	05/21/12 09:49	
Bromoform	ug/L	ND	4.0	05/21/12 09:49	
Bromomethane	ug/L	ND	4.0	05/21/12 09:49	
Carbon tetrachloride	ug/L	ND	1.0	05/21/12 09:49	
Chlorobenzene	ug/L	ND	1.0	05/21/12 09:49	
Chloroethane	ug/L	ND	1.0	05/21/12 09:49	
Chloroform	ug/L	ND	1.0	05/21/12 09:49	
Chloromethane	ug/L	ND	4.0	05/21/12 09:49	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/21/12 09:49	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/21/12 09:49	
Dibromochloromethane	ug/L	ND	1.0	05/21/12 09:49	
Dibromomethane	ug/L	ND	4.0	05/21/12 09:49	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

METHOD BLANK: 1201017 Matrix: Water

Associated Lab Samples: 10192745001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/21/12 09:49	
Dichlorofluoromethane	ug/L	ND	1.0	05/21/12 09:49	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/21/12 09:49	
Ethylbenzene	ug/L	ND	1.0	05/21/12 09:49	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/21/12 09:49	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/21/12 09:49	
m&p-Xylene	ug/L	ND	2.0	05/21/12 09:49	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/21/12 09:49	
Methylene Chloride	ug/L	ND	4.0	05/21/12 09:49	
n-Butylbenzene	ug/L	ND	1.0	05/21/12 09:49	
n-Propylbenzene	ug/L	ND	1.0	05/21/12 09:49	
Naphthalene	ug/L	ND	4.0	05/21/12 09:49	
o-Xylene	ug/L	ND	1.0	05/21/12 09:49	
p-Isopropyltoluene	ug/L	ND	1.0	05/21/12 09:49	
sec-Butylbenzene	ug/L	ND	1.0	05/21/12 09:49	
Styrene	ug/L	ND	1.0	05/21/12 09:49	
tert-Butylbenzene	ug/L	ND	1.0	05/21/12 09:49	
Tetrachloroethene	ug/L	ND	1.0	05/21/12 09:49	
Tetrahydrofuran	ug/L	ND	10.0	05/21/12 09:49	
Toluene	ug/L	ND	1.0	05/21/12 09:49	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/21/12 09:49	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/21/12 09:49	
Trichloroethene	ug/L	ND	1.0	05/21/12 09:49	
Trichlorofluoromethane	ug/L	ND	1.0	05/21/12 09:49	
Vinyl chloride	ug/L	ND	0.40	05/21/12 09:49	
Xylene (Total)	ug/L	ND	3.0	05/21/12 09:49	
1,2-Dichloroethane-d4 (S)	%	104	75-125	05/21/12 09:49	
4-Bromofluorobenzene (S)	%	101	75-125	05/21/12 09:49	
Dibromofluoromethane (S)	%	102	75-125	05/21/12 09:49	
Toluene-d8 (S)	%	99	75-125	05/21/12 09:49	

LABORATORY CONTROL SAMPLE: 1201018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.5	93	75-125	
1,1,1-Trichloroethane	ug/L	50	48.9	98	73-128	
1,1,2,2-Tetrachloroethane	ug/L	50	45.1	90	75-125	
1,1,2-Trichloroethane	ug/L	50	46.1	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.3	89	63-125	
1,1-Dichloroethane	ug/L	50	48.9	98	72-126	
1,1-Dichloroethene	ug/L	50	49.2	98	73-129	
1,1-Dichloropropene	ug/L	50	49.3	99	72-128	
1,2,3-Trichlorobenzene	ug/L	50	43.7	87	73-125	
1,2,3-Trichloropropane	ug/L	50	45.5	91	75-125	
1,2,4-Trichlorobenzene	ug/L	50	46.2	92	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1201018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	46.2	92	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	45.3	91	75-125	
1,2-Dibromoethane (EDB)	ug/L	50	46.9	94	75-125	
1,2-Dichlorobenzene	ug/L	50	45.3	91	75-125	
1,2-Dichloroethane	ug/L	50	50.0	100	75-132	
1,2-Dichloropropane	ug/L	50	47.5	95	75-125	
1,3,5-Trimethylbenzene	ug/L	50	46.2	92	75-126	
1,3-Dichlorobenzene	ug/L	50	44.4	89	75-125	
1,3-Dichloropropane	ug/L	50	46.7	93	75-125	
1,4-Dichlorobenzene	ug/L	50	44.7	89	75-125	
2,2-Dichloropropane	ug/L	50	49.9	100	72-133	
2-Butanone (MEK)	ug/L	50	49.6	99	52-138	
2-Chlorotoluene	ug/L	50	45.7	91	74-125	
4-Chlorotoluene	ug/L	50	45.8	92	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.5	93	75-125	
Acetone	ug/L	125	132	105	30-150	
Allyl chloride	ug/L	50	50.3	101	75-132	
Benzene	ug/L	50	49.1	98	75-132	
Bromobenzene	ug/L	50	44.5	89	75-125	
Bromochloromethane	ug/L	50	50.5	101	75-126	
Bromodichloromethane	ug/L	50	48.8	98	75-125	
Bromoform	ug/L	50	47.8	96	75-125	
Bromomethane	ug/L	50	49.0	98	52-150	
Carbon tetrachloride	ug/L	50	51.3	103	73-132	
Chlorobenzene	ug/L	50	46.7	93	75-125	
Chloroethane	ug/L	50	51.1	102	75-143	
Chloroform	ug/L	50	48.8	98	75-128	
Chloromethane	ug/L	50	53.9	108	56-136	
cis-1,2-Dichloroethene	ug/L	50	48.1	96	75-125	
cis-1,3-Dichloropropene	ug/L	50	49.5	99	75-125	
Dibromochloromethane	ug/L	50	47.1	94	75-125	
Dibromomethane	ug/L	50	47.3	95	75-125	
Dichlorodifluoromethane	ug/L	50	47.9	96	50-137	
Dichlorofluoromethane	ug/L	50	48.9	98	68-133	
Diethyl ether (Ethyl ether)	ug/L	50	51.2	102	75-125	
Ethylbenzene	ug/L	50	47.1	94	75-125	
Hexachloro-1,3-butadiene	ug/L	25	22.4	89	57-132	
Isopropylbenzene (Cumene)	ug/L	50	46.9	94	75-125	
m&p-Xylene	ug/L	100	93.7	94	75-125	
Methyl-tert-butyl ether	ug/L	50	50.4	101	74-130	
Methylene Chloride	ug/L	50	47.9	96	62-127	
n-Butylbenzene	ug/L	50	46.8	94	68-128	
n-Propylbenzene	ug/L	50	47.1	94	74-125	
Naphthalene	ug/L	50	43.6	87	75-125	
o-Xylene	ug/L	50	45.8	92	75-125	
p-Isopropyltoluene	ug/L	50	46.1	92	75-125	
sec-Butylbenzene	ug/L	50	46.3	93	71-125	
Styrene	ug/L	50	46.8	94	75-125	

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1201018

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	45.9	92	73-125	
Tetrachloroethene	ug/L	50	45.9	92	75-125	
Tetrahydrofuran	ug/L	500	479	96	75-128	
Toluene	ug/L	50	45.0	90	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.3	97	75-125	
trans-1,3-Dichloropropene	ug/L	50	47.5	95	75-125	
Trichloroethene	ug/L	50	47.0	94	75-125	
Trichlorofluoromethane	ug/L	50	51.7	103	64-139	
Vinyl chloride	ug/L	50	52.0	104	75-150	
Xylene (Total)	ug/L	150	139	93	75-125	
1,2-Dichloroethane-d4 (S)	%			105	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			105	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1201674

Parameter	Units	10192702001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	47.3	95	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.6	103	75-145	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.8	88	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	46.1	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	62.4	125	75-150	
1,1-Dichloroethane	ug/L	ND	50	50.2	100	75-139	
1,1-Dichloroethene	ug/L	ND	50	53.0	106	75-148	
1,1-Dichloropropene	ug/L	ND	50	52.7	105	75-148	
1,2,3-Trichlorobenzene	ug/L	ND	50	41.3	83	75-127	
1,2,3-Trichloropropane	ug/L	ND	50	43.7	87	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	44.9	90	75-126	
1,2,4-Trimethylbenzene	ug/L	ND	50	47.0	94	75-135	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	43.0	86	75-125	
1,2-Dibromoethane (EDB)	ug/L	ND	50	45.9	92	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	45.1	90	75-125	
1,2-Dichloroethane	ug/L	ND	50	49.9	100	75-139	
1,2-Dichloropropane	ug/L	ND	50	48.7	97	75-131	
1,3,5-Trimethylbenzene	ug/L	ND	50	47.3	95	75-134	
1,3-Dichlorobenzene	ug/L	ND	50	45.7	91	75-125	
1,3-Dichloropropane	ug/L	ND	50	47.0	94	75-127	
1,4-Dichlorobenzene	ug/L	ND	50	45.7	91	75-125	
2,2-Dichloropropane	ug/L	ND	50	52.7	105	75-150	
2-Butanone (MEK)	ug/L	ND	50	46.6	93	50-138	
2-Chlorotoluene	ug/L	ND	50	46.9	94	75-134	
4-Chlorotoluene	ug/L	ND	50	46.6	93	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	44.9	90	75-125	
Acetone	ug/L	ND	125	126	101	30-142	
Allyl chloride	ug/L	ND	50	52.0	104	75-146	
Benzene	ug/L	1.4	50	51.0	99	75-146	

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

MATRIX SPIKE SAMPLE: 1201674

Parameter	Units	10192702001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	45.8	92	75-125	
Bromochloromethane	ug/L	ND	50	50.9	102	75-129	
Bromodichloromethane	ug/L	ND	50	49.4	99	75-130	
Bromoform	ug/L	ND	50	47.2	94	75-125	
Bromomethane	ug/L	ND	50	56.8	114	52-150	
Carbon tetrachloride	ug/L	ND	50	55.5	111	75-150	
Chlorobenzene	ug/L	ND	50	48.0	96	75-127	
Chloroethane	ug/L	ND	50	52.7	105	75-146	
Chloroform	ug/L	ND	50	48.9	98	75-137	
Chloromethane	ug/L	ND	50	56.6	113	64-150	
cis-1,2-Dichloroethene	ug/L	ND	50	49.1	98	75-139	
cis-1,3-Dichloropropene	ug/L	ND	50	50.3	101	75-129	
Dibromochloromethane	ug/L	ND	50	47.9	96	75-125	
Dibromomethane	ug/L	ND	50	47.6	95	75-126	
Dichlorodifluoromethane	ug/L	ND	50	67.7	135	75-150	
Dichlorofluoromethane	ug/L	ND	50	51.4	103	75-143	
Diethyl ether (Ethyl ether)	ug/L	ND	50	49.8	100	71-133	
Ethylbenzene	ug/L	ND	50	48.6	97	75-132	
Hexachloro-1,3-butadiene	ug/L	ND	25	23.4	93	62-147	
Isopropylbenzene (Cumene)	ug/L	ND	50	48.7	97	75-135	
m&p-Xylene	ug/L	ND	100	97.4	97	75-131	
Methyl-tert-butyl ether	ug/L	ND	50	49.8	100	71-137	
Methylene Chloride	ug/L	ND	50	47.8	96	57-134	
n-Butylbenzene	ug/L	ND	50	48.1	96	74-139	
n-Propylbenzene	ug/L	ND	50	48.9	98	75-137	
Naphthalene	ug/L	ND	50	41.3	83	75-129	
o-Xylene	ug/L	ND	50	46.7	93	75-128	
p-Isopropyltoluene	ug/L	ND	50	47.5	95	75-135	
sec-Butylbenzene	ug/L	ND	50	48.2	96	75-137	
Styrene	ug/L	ND	50	47.5	95	75-126	
tert-Butylbenzene	ug/L	ND	50	47.3	95	75-133	
Tetrachloroethene	ug/L	ND	50	49.0	98	75-138	
Tetrahydrofuran	ug/L	ND	500	447	89	74-128	
Toluene	ug/L	ND	50	47.3	95	75-131	
trans-1,2-Dichloroethene	ug/L	ND	50	51.0	102	75-140	
trans-1,3-Dichloropropene	ug/L	ND	50	48.4	97	75-129	
Trichloroethene	ug/L	ND	50	49.6	99	75-132	
Trichlorofluoromethane	ug/L	ND	50	61.1	122	75-150	
Vinyl chloride	ug/L	ND	50	57.5	115	75-150	
Xylene (Total)	ug/L	ND	150	144	96	75-129	
1,2-Dichloroethane-d4 (S)	%				102	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				105	75-125	
Toluene-d8 (S)	%				100	75-125	

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1201675

Parameter	Units	10192702002 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	.32J		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	.34J		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1201675

Parameter	Units	10192702002 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	.47J		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	.37J		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	.25J		30	
sec-Butylbenzene	ug/L	ND	.36J		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	.15J		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)	%	107	110	3		
4-Bromofluorobenzene (S)	%	101	99	1		
Dibromofluoromethane (S)	%	107	107	.02		
Toluene-d8 (S)	%	99	99	.8		

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

QC Batch: MSV/20292 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10192745003, 10192745005, 10192745006, 10192745007, 10192745008, 10192745009, 10192745010, 10192745011, 10192745012, 10192745013

METHOD BLANK: 1201686 Matrix: Water
Associated Lab Samples: 10192745003, 10192745005, 10192745006, 10192745007, 10192745008, 10192745009, 10192745010, 10192745011, 10192745012, 10192745013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1-Dichloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,1-Dichloroethene	ug/L	ND	1.0	05/22/12 10:42	
1,1-Dichloropropene	ug/L	ND	1.0	05/22/12 10:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/22/12 10:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/22/12 10:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/22/12 10:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/22/12 10:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
1,2-Dichloroethane	ug/L	ND	1.0	05/22/12 10:42	
1,2-Dichloropropane	ug/L	ND	4.0	05/22/12 10:42	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/22/12 10:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
1,3-Dichloropropane	ug/L	ND	1.0	05/22/12 10:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
2,2-Dichloropropane	ug/L	ND	4.0	05/22/12 10:42	
2-Butanone (MEK)	ug/L	ND	4.0	05/22/12 10:42	
2-Chlorotoluene	ug/L	ND	1.0	05/22/12 10:42	
4-Chlorotoluene	ug/L	ND	1.0	05/22/12 10:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/22/12 10:42	
Acetone	ug/L	ND	25.0	05/22/12 10:42	
Allyl chloride	ug/L	ND	4.0	05/22/12 10:42	
Benzene	ug/L	ND	1.0	05/22/12 10:42	
Bromobenzene	ug/L	ND	1.0	05/22/12 10:42	
Bromochloromethane	ug/L	ND	1.0	05/22/12 10:42	
Bromodichloromethane	ug/L	ND	1.0	05/22/12 10:42	
Bromoform	ug/L	ND	4.0	05/22/12 10:42	
Bromomethane	ug/L	ND	4.0	05/22/12 10:42	
Carbon tetrachloride	ug/L	ND	1.0	05/22/12 10:42	
Chlorobenzene	ug/L	ND	1.0	05/22/12 10:42	
Chloroethane	ug/L	ND	1.0	05/22/12 10:42	
Chloroform	ug/L	ND	1.0	05/22/12 10:42	
Chloromethane	ug/L	ND	4.0	05/22/12 10:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/22/12 10:42	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/22/12 10:42	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

METHOD BLANK: 1201686 Matrix: Water

Associated Lab Samples: 10192745003, 10192745005, 10192745006, 10192745007, 10192745008, 10192745009, 10192745010, 10192745011, 10192745012, 10192745013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	05/22/12 10:42	
Dibromomethane	ug/L	ND	4.0	05/22/12 10:42	
Dichlorodifluoromethane	ug/L	ND	1.0	05/22/12 10:42	
Dichlorofluoromethane	ug/L	ND	1.0	05/22/12 10:42	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/22/12 10:42	
Ethylbenzene	ug/L	ND	1.0	05/22/12 10:42	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/22/12 10:42	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/22/12 10:42	
m&p-Xylene	ug/L	ND	2.0	05/22/12 10:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/22/12 10:42	
Methylene Chloride	ug/L	ND	4.0	05/22/12 10:42	
n-Butylbenzene	ug/L	ND	1.0	05/22/12 10:42	
n-Propylbenzene	ug/L	ND	1.0	05/22/12 10:42	
Naphthalene	ug/L	ND	4.0	05/22/12 10:42	
o-Xylene	ug/L	ND	1.0	05/22/12 10:42	
p-Isopropyltoluene	ug/L	ND	1.0	05/22/12 10:42	
sec-Butylbenzene	ug/L	ND	1.0	05/22/12 10:42	
Styrene	ug/L	ND	1.0	05/22/12 10:42	
tert-Butylbenzene	ug/L	ND	1.0	05/22/12 10:42	
Tetrachloroethene	ug/L	ND	1.0	05/22/12 10:42	
Tetrahydrofuran	ug/L	ND	10.0	05/22/12 10:42	
Toluene	ug/L	ND	1.0	05/22/12 10:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/22/12 10:42	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/22/12 10:42	
Trichloroethene	ug/L	ND	1.0	05/22/12 10:42	
Trichlorofluoromethane	ug/L	ND	1.0	05/22/12 10:42	
Vinyl chloride	ug/L	ND	0.40	05/22/12 10:42	
Xylene (Total)	ug/L	ND	3.0	05/22/12 10:42	
1,2-Dichloroethane-d4 (S)	%	106	75-125	05/22/12 10:42	
4-Bromofluorobenzene (S)	%	99	75-125	05/22/12 10:42	
Dibromofluoromethane (S)	%	104	75-125	05/22/12 10:42	
Toluene-d8 (S)	%	96	75-125	05/22/12 10:42	

LABORATORY CONTROL SAMPLE: 1201687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.0	90	75-125	
1,1,1-Trichloroethane	ug/L	50	48.7	97	73-128	
1,1,2,2-Tetrachloroethane	ug/L	50	42.4	85	75-125	
1,1,2-Trichloroethane	ug/L	50	44.0	88	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.1	88	63-125	
1,1-Dichloroethane	ug/L	50	48.5	97	72-126	
1,1-Dichloroethene	ug/L	50	47.7	95	73-129	
1,1-Dichloropropene	ug/L	50	48.4	97	72-128	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1201687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	40.1	80	73-125	
1,2,3-Trichloropropane	ug/L	50	43.2	86	75-125	
1,2,4-Trichlorobenzene	ug/L	50	41.4	83	74-125	
1,2,4-Trimethylbenzene	ug/L	50	43.9	88	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	42.0	84	75-125	
1,2-Dibromoethane (EDB)	ug/L	50	44.0	88	75-125	
1,2-Dichlorobenzene	ug/L	50	43.0	86	75-125	
1,2-Dichloroethane	ug/L	50	49.0	98	75-132	
1,2-Dichloropropane	ug/L	50	46.7	93	75-125	
1,3,5-Trimethylbenzene	ug/L	50	43.5	87	75-126	
1,3-Dichlorobenzene	ug/L	50	43.1	86	75-125	
1,3-Dichloropropane	ug/L	50	44.4	89	75-125	
1,4-Dichlorobenzene	ug/L	50	42.8	86	75-125	
2,2-Dichloropropane	ug/L	50	49.7	99	72-133	
2-Butanone (MEK)	ug/L	50	47.1	94	52-138	
2-Chlorotoluene	ug/L	50	43.3	87	74-125	
4-Chlorotoluene	ug/L	50	42.9	86	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	43.9	88	75-125	
Acetone	ug/L	125	128	102	30-150	
Allyl chloride	ug/L	50	49.9	100	75-132	
Benzene	ug/L	50	48.5	97	75-132	
Bromobenzene	ug/L	50	42.6	85	75-125	
Bromochloromethane	ug/L	50	50.5	101	75-126	
Bromodichloromethane	ug/L	50	47.8	96	75-125	
Bromoform	ug/L	50	45.2	90	75-125	
Bromomethane	ug/L	50	54.3	109	52-150	
Carbon tetrachloride	ug/L	50	50.7	101	73-132	
Chlorobenzene	ug/L	50	45.0	90	75-125	
Chloroethane	ug/L	50	52.0	104	75-143	
Chloroform	ug/L	50	48.9	98	75-128	
Chloromethane	ug/L	50	53.2	106	56-136	
cis-1,2-Dichloroethene	ug/L	50	47.8	96	75-125	
cis-1,3-Dichloropropene	ug/L	50	48.8	98	75-125	
Dibromochloromethane	ug/L	50	45.3	91	75-125	
Dibromomethane	ug/L	50	47.0	94	75-125	
Dichlorodifluoromethane	ug/L	50	48.3	97	50-137	
Dichlorofluoromethane	ug/L	50	48.2	96	68-133	
Diethyl ether (Ethyl ether)	ug/L	50	48.8	98	75-125	
Ethylbenzene	ug/L	50	45.0	90	75-125	
Hexachloro-1,3-butadiene	ug/L	25	19.7	79	57-132	
Isopropylbenzene (Cumene)	ug/L	50	45.0	90	75-125	
m&p-Xylene	ug/L	100	89.7	90	75-125	
Methyl-tert-butyl ether	ug/L	50	49.8	100	74-130	
Methylene Chloride	ug/L	50	48.0	96	62-127	
n-Butylbenzene	ug/L	50	43.2	86	68-128	
n-Propylbenzene	ug/L	50	44.3	89	74-125	
Naphthalene	ug/L	50	40.3	81	75-125	
o-Xylene	ug/L	50	43.4	87	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1201687

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	43.1	86	75-125	
sec-Butylbenzene	ug/L	50	43.4	87	71-125	
Styrene	ug/L	50	44.6	89	75-125	
tert-Butylbenzene	ug/L	50	43.4	87	73-125	
Tetrachloroethene	ug/L	50	43.8	88	75-125	
Tetrahydrofuran	ug/L	500	444	89	75-128	
Toluene	ug/L	50	44.2	88	75-125	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	75-125	
trans-1,3-Dichloropropene	ug/L	50	45.4	91	75-125	
Trichloroethene	ug/L	50	47.4	95	75-125	
Trichlorofluoromethane	ug/L	50	51.4	103	64-139	
Vinyl chloride	ug/L	50	53.6	107	75-150	
Xylene (Total)	ug/L	150	133	89	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			106	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE SAMPLE: 1202814

Parameter	Units	10192745008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	44.4	89	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	51.5	103	75-145	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	41.2	82	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	43.8	88	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	62.4	125	75-150	
1,1-Dichloroethane	ug/L	ND	50	50.3	101	75-139	
1,1-Dichloroethene	ug/L	ND	50	52.4	105	75-148	
1,1-Dichloropropene	ug/L	ND	50	51.9	104	75-148	
1,2,3-Trichlorobenzene	ug/L	ND	50	37.9	76	75-127	
1,2,3-Trichloropropane	ug/L	ND	50	41.4	83	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	40.9	82	75-126	
1,2,4-Trimethylbenzene	ug/L	ND	50	43.6	87	75-135	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	39.4	79	75-125	
1,2-Dibromoethane (EDB)	ug/L	ND	50	42.8	86	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	41.9	84	75-125	
1,2-Dichloroethane	ug/L	ND	50	49.1	98	75-139	
1,2-Dichloropropane	ug/L	ND	50	47.6	95	75-131	
1,3,5-Trimethylbenzene	ug/L	ND	50	44.2	88	75-134	
1,3-Dichlorobenzene	ug/L	ND	50	42.3	85	75-125	
1,3-Dichloropropane	ug/L	ND	50	43.5	87	75-127	
1,4-Dichlorobenzene	ug/L	ND	50	42.1	84	75-125	
2,2-Dichloropropane	ug/L	ND	50	52.2	104	75-150	
2-Butanone (MEK)	ug/L	ND	50	44.6	89	50-138	
2-Chlorotoluene	ug/L	ND	50	43.7	87	75-134	
4-Chlorotoluene	ug/L	ND	50	43.5	87	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	42.0	84	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

MATRIX SPIKE SAMPLE: 1202814

Parameter	Units	10192745008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	128	103	30-142	
Allyl chloride	ug/L	ND	50	51.7	103	75-146	
Benzene	ug/L	ND	50	48.9	98	75-146	
Bromobenzene	ug/L	ND	50	42.6	85	75-125	
Bromochloromethane	ug/L	ND	50	49.8	100	75-129	
Bromodichloromethane	ug/L	ND	50	48.7	97	75-130	
Bromoform	ug/L	ND	50	43.2	86	75-125	
Bromomethane	ug/L	ND	50	59.1	118	52-150	
Carbon tetrachloride	ug/L	ND	50	55.6	111	75-150	
Chlorobenzene	ug/L	ND	50	44.8	90	75-127	
Chloroethane	ug/L	ND	50	53.6	107	75-146	
Chloroform	ug/L	1.4	50	50.8	99	75-137	
Chloromethane	ug/L	ND	50	55.1	110	64-150	
cis-1,2-Dichloroethene	ug/L	ND	50	48.7	97	75-139	
cis-1,3-Dichloropropene	ug/L	ND	50	48.6	97	75-129	
Dibromochloromethane	ug/L	ND	50	44.5	89	75-125	
Dibromomethane	ug/L	ND	50	46.8	94	75-126	
Dichlorodifluoromethane	ug/L	ND	50	70.8	142	75-150	
Dichlorofluoromethane	ug/L	ND	50	51.5	103	75-143	
Diethyl ether (Ethyl ether)	ug/L	ND	50	49.9	100	71-133	
Ethylbenzene	ug/L	ND	50	45.8	92	75-132	
Hexachloro-1,3-butadiene	ug/L	ND	25	20.3	81	62-147	
Isopropylbenzene (Cumene)	ug/L	ND	50	46.2	92	75-135	
m&p-Xylene	ug/L	ND	100	91.2	91	75-131	
Methyl-tert-butyl ether	ug/L	ND	50	49.0	98	71-137	
Methylene Chloride	ug/L	ND	50	47.3	95	57-134	
n-Butylbenzene	ug/L	ND	50	44.6	89	74-139	
n-Propylbenzene	ug/L	ND	50	46.0	92	75-137	
Naphthalene	ug/L	ND	50	37.2	74	75-129	M1
o-Xylene	ug/L	ND	50	43.9	88	75-128	
p-Isopropyltoluene	ug/L	ND	50	44.0	88	75-135	
sec-Butylbenzene	ug/L	ND	50	44.9	90	75-137	
Styrene	ug/L	ND	50	44.6	89	75-126	
tert-Butylbenzene	ug/L	ND	50	44.4	89	75-133	
Tetrachloroethene	ug/L	ND	50	46.3	91	75-138	
Tetrahydrofuran	ug/L	ND	500	426	85	74-128	
Toluene	ug/L	ND	50	44.3	89	75-131	
trans-1,2-Dichloroethene	ug/L	ND	50	50.1	100	75-140	
trans-1,3-Dichloropropene	ug/L	ND	50	45.0	90	75-129	
Trichloroethene	ug/L	ND	50	49.0	98	75-132	
Trichlorofluoromethane	ug/L	ND	50	64.2	128	75-150	
Vinyl chloride	ug/L	ND	50	59.5	119	75-150	
Xylene (Total)	ug/L	ND	150	135	90	75-129	
1,2-Dichloroethane-d4 (S)	%				105	75-125	
4-Bromofluorobenzene (S)	%				97	75-125	
Dibromofluoromethane (S)	%				105	75-125	
Toluene-d8 (S)	%				97	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1202815

Parameter	Units	10192745009 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	.17J		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	.48J		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	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1202815

Parameter	Units	10192745009 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		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	.27J		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)	%	106	107	.2		
4-Bromofluorobenzene (S)	%	99	98	.9		
Dibromofluoromethane (S)	%	105	107	2		
Toluene-d8 (S)	%	96	96	.3		

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

QC Batch: MSV/20297 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10192745014, 10192745015

METHOD BLANK: 1202018 Matrix: Water
Associated Lab Samples: 10192745014, 10192745015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1-Dichloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,1-Dichloroethene	ug/L	ND	1.0	05/22/12 18:16	
1,1-Dichloropropene	ug/L	ND	1.0	05/22/12 18:16	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/22/12 18:16	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/22/12 18:16	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/22/12 18:16	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/22/12 18:16	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
1,2-Dichloroethane	ug/L	ND	1.0	05/22/12 18:16	
1,2-Dichloropropane	ug/L	ND	4.0	05/22/12 18:16	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/22/12 18:16	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
1,3-Dichloropropane	ug/L	ND	1.0	05/22/12 18:16	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
2,2-Dichloropropane	ug/L	ND	4.0	05/22/12 18:16	
2-Butanone (MEK)	ug/L	ND	4.0	05/22/12 18:16	
2-Chlorotoluene	ug/L	ND	1.0	05/22/12 18:16	
4-Chlorotoluene	ug/L	ND	1.0	05/22/12 18:16	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/22/12 18:16	
Acetone	ug/L	ND	25.0	05/22/12 18:16	
Allyl chloride	ug/L	ND	4.0	05/22/12 18:16	
Benzene	ug/L	ND	1.0	05/22/12 18:16	
Bromobenzene	ug/L	ND	1.0	05/22/12 18:16	
Bromochloromethane	ug/L	ND	1.0	05/22/12 18:16	
Bromodichloromethane	ug/L	ND	1.0	05/22/12 18:16	
Bromoform	ug/L	ND	4.0	05/22/12 18:16	
Bromomethane	ug/L	ND	4.0	05/22/12 18:16	
Carbon tetrachloride	ug/L	ND	1.0	05/22/12 18:16	
Chlorobenzene	ug/L	ND	1.0	05/22/12 18:16	
Chloroethane	ug/L	ND	1.0	05/22/12 18:16	
Chloroform	ug/L	ND	1.0	05/22/12 18:16	
Chloromethane	ug/L	ND	4.0	05/22/12 18:16	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/22/12 18:16	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/22/12 18:16	
Dibromochloromethane	ug/L	ND	1.0	05/22/12 18:16	
Dibromomethane	ug/L	ND	4.0	05/22/12 18:16	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

METHOD BLANK: 1202018 Matrix: Water

Associated Lab Samples: 10192745014, 10192745015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/22/12 18:16	
Dichlorofluoromethane	ug/L	ND	1.0	05/22/12 18:16	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/22/12 18:16	
Ethylbenzene	ug/L	ND	1.0	05/22/12 18:16	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/22/12 18:16	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/22/12 18:16	
m&p-Xylene	ug/L	ND	2.0	05/22/12 18:16	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/22/12 18:16	
Methylene Chloride	ug/L	ND	4.0	05/22/12 18:16	
n-Butylbenzene	ug/L	ND	1.0	05/22/12 18:16	
n-Propylbenzene	ug/L	ND	1.0	05/22/12 18:16	
Naphthalene	ug/L	ND	4.0	05/22/12 18:16	
o-Xylene	ug/L	ND	1.0	05/22/12 18:16	
p-Isopropyltoluene	ug/L	ND	1.0	05/22/12 18:16	
sec-Butylbenzene	ug/L	ND	1.0	05/22/12 18:16	
Styrene	ug/L	ND	1.0	05/22/12 18:16	
tert-Butylbenzene	ug/L	ND	1.0	05/22/12 18:16	
Tetrachloroethene	ug/L	ND	1.0	05/22/12 18:16	
Tetrahydrofuran	ug/L	ND	10.0	05/22/12 18:16	
Toluene	ug/L	ND	1.0	05/22/12 18:16	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/22/12 18:16	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/22/12 18:16	
Trichloroethene	ug/L	ND	1.0	05/22/12 18:16	
Trichlorofluoromethane	ug/L	ND	1.0	05/22/12 18:16	
Vinyl chloride	ug/L	ND	0.40	05/22/12 18:16	
Xylene (Total)	ug/L	ND	3.0	05/22/12 18:16	
1,2-Dichloroethane-d4 (S)	%	108	75-125	05/22/12 18:16	
4-Bromofluorobenzene (S)	%	99	75-125	05/22/12 18:16	
Dibromofluoromethane (S)	%	105	75-125	05/22/12 18:16	
Toluene-d8 (S)	%	94	75-125	05/22/12 18:16	

LABORATORY CONTROL SAMPLE: 1202019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	42.5	85	75-125	
1,1,1-Trichloroethane	ug/L	50	42.8	86	73-128	
1,1,2,2-Tetrachloroethane	ug/L	50	40.8	82	75-125	
1,1,2-Trichloroethane	ug/L	50	42.3	85	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	38.4	77	63-125	
1,1-Dichloroethane	ug/L	50	43.5	87	72-126	
1,1-Dichloroethene	ug/L	50	42.3	85	73-129	
1,1-Dichloropropene	ug/L	50	42.4	85	72-128	
1,2,3-Trichlorobenzene	ug/L	50	37.1	74	73-125	
1,2,3-Trichloropropane	ug/L	50	40.7	81	75-125	
1,2,4-Trichlorobenzene	ug/L	50	39.2	78	74-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1202019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	39.6	79	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	40.2	80	75-125	
1,2-Dibromoethane (EDB)	ug/L	50	42.4	85	75-125	
1,2-Dichlorobenzene	ug/L	50	40.0	80	75-125	
1,2-Dichloroethane	ug/L	50	46.5	93	75-132	
1,2-Dichloropropane	ug/L	50	43.1	86	75-125	
1,3,5-Trimethylbenzene	ug/L	50	39.5	79	75-126	
1,3-Dichlorobenzene	ug/L	50	38.9	78	75-125	
1,3-Dichloropropane	ug/L	50	42.9	86	75-125	
1,4-Dichlorobenzene	ug/L	50	39.5	79	75-125	
2,2-Dichloropropane	ug/L	50	43.3	87	72-133	
2-Butanone (MEK)	ug/L	50	46.1	92	52-138	
2-Chlorotoluene	ug/L	50	39.3	79	74-125	
4-Chlorotoluene	ug/L	50	39.6	79	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.7	85	75-125	
Acetone	ug/L	125	128	102	30-150	
Allyl chloride	ug/L	50	44.5	89	75-132	
Benzene	ug/L	50	43.6	87	75-132	
Bromobenzene	ug/L	50	39.9	80	75-125	
Bromochloromethane	ug/L	50	47.4	95	75-126	
Bromodichloromethane	ug/L	50	44.5	89	75-125	
Bromoform	ug/L	50	43.0	86	75-125	
Bromomethane	ug/L	50	44.3	89	52-150	
Carbon tetrachloride	ug/L	50	44.6	89	73-132	
Chlorobenzene	ug/L	50	42.1	84	75-125	
Chloroethane	ug/L	50	46.6	93	75-143	
Chloroform	ug/L	50	44.5	89	75-128	
Chloromethane	ug/L	50	45.5	91	56-136	
cis-1,2-Dichloroethene	ug/L	50	44.1	88	75-125	
cis-1,3-Dichloropropene	ug/L	50	44.9	90	75-125	
Dibromochloromethane	ug/L	50	43.7	87	75-125	
Dibromomethane	ug/L	50	43.7	87	75-125	
Dichlorodifluoromethane	ug/L	50	41.3	83	50-137	
Dichlorofluoromethane	ug/L	50	43.3	87	68-133	
Diethyl ether (Ethyl ether)	ug/L	50	46.6	93	75-125	
Ethylbenzene	ug/L	50	41.1	82	75-125	
Hexachloro-1,3-butadiene	ug/L	25	16.9	68	57-132	
Isopropylbenzene (Cumene)	ug/L	50	41.2	82	75-125	
m&p-Xylene	ug/L	100	81.3	81	75-125	
Methyl-tert-butyl ether	ug/L	50	48.0	96	74-130	
Methylene Chloride	ug/L	50	44.5	89	62-127	
n-Butylbenzene	ug/L	50	37.5	75	68-128	
n-Propylbenzene	ug/L	50	39.8	80	74-125	
Naphthalene	ug/L	50	38.5	77	75-125	
o-Xylene	ug/L	50	40.5	81	75-125	
p-Isopropyltoluene	ug/L	50	38.6	77	75-125	
sec-Butylbenzene	ug/L	50	38.3	77	71-125	
Styrene	ug/L	50	41.9	84	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1202019

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	38.6	77	73-125	
Tetrachloroethene	ug/L	50	39.2	78	75-125	
Tetrahydrofuran	ug/L	500	440	88	75-128	
Toluene	ug/L	50	39.6	79	75-125	
trans-1,2-Dichloroethene	ug/L	50	42.7	85	75-125	
trans-1,3-Dichloropropene	ug/L	50	42.7	85	75-125	
Trichloroethene	ug/L	50	41.8	84	75-125	
Trichlorofluoromethane	ug/L	50	44.8	90	64-139	
Vinyl chloride	ug/L	50	45.6	91	75-150	
Xylene (Total)	ug/L	150	122	81	75-125	
1,2-Dichloroethane-d4 (S)	%			102	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Dibromofluoromethane (S)	%			105	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 1205455

Parameter	Units	10192547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	45.2	90	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	49.5	99	75-145	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	42.2	84	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	43.4	87	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	56.8	114	75-150	
1,1-Dichloroethane	ug/L	ND	50	47.9	96	75-139	
1,1-Dichloroethene	ug/L	ND	50	47.4	95	75-148	
1,1-Dichloropropene	ug/L	ND	50	49.1	98	75-148	
1,2,3-Trichlorobenzene	ug/L	ND	50	41.2	82	75-127	
1,2,3-Trichloropropane	ug/L	ND	50	42.6	85	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	42.6	85	75-126	
1,2,4-Trimethylbenzene	ug/L	ND	50	43.4	87	75-135	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	41.9	84	75-125	
1,2-Dibromoethane (EDB)	ug/L	ND	50	43.0	86	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	43.5	87	75-125	
1,2-Dichloroethane	ug/L	ND	50	48.0	96	75-139	
1,2-Dichloropropane	ug/L	ND	50	46.0	92	75-131	
1,3,5-Trimethylbenzene	ug/L	ND	50	44.2	88	75-134	
1,3-Dichlorobenzene	ug/L	ND	50	42.5	85	75-125	
1,3-Dichloropropane	ug/L	ND	50	43.6	87	75-127	
1,4-Dichlorobenzene	ug/L	ND	50	42.6	85	75-125	
2,2-Dichloropropane	ug/L	ND	50	50.3	101	75-150	
2-Butanone (MEK)	ug/L	ND	50	47.0	94	50-138	
2-Chlorotoluene	ug/L	ND	50	43.7	87	75-134	
4-Chlorotoluene	ug/L	ND	50	43.5	87	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	42.1	84	75-125	
Acetone	ug/L	ND	125	124	100	30-142	
Allyl chloride	ug/L	ND	50	48.6	97	75-146	
Benzene	ug/L	ND	50	47.8	96	75-146	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

MATRIX SPIKE SAMPLE: 1205455

Parameter	Units	10192547001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	42.5	85	75-125	
Bromochloromethane	ug/L	ND	50	49.0	98	75-129	
Bromodichloromethane	ug/L	ND	50	48.5	97	75-130	
Bromoform	ug/L	ND	50	44.9	90	75-125	
Bromomethane	ug/L	ND	50	57.2	114	52-150	
Carbon tetrachloride	ug/L	ND	50	52.7	105	75-150	
Chlorobenzene	ug/L	ND	50	44.8	90	75-127	
Chloroethane	ug/L	ND	50	57.4	115	75-146	
Chloroform	ug/L	ND	50	48.7	97	75-137	
Chloromethane	ug/L	ND	50	56.7	113	64-150	
cis-1,2-Dichloroethene	ug/L	ND	50	47.2	94	75-139	
cis-1,3-Dichloropropene	ug/L	ND	50	47.2	94	75-129	
Dibromochloromethane	ug/L	ND	50	44.9	90	75-125	
Dibromomethane	ug/L	ND	50	45.4	91	75-126	
Dichlorodifluoromethane	ug/L	ND	50	71.5	143	75-150	
Dichlorofluoromethane	ug/L	ND	50	47.4	95	75-143	
Diethyl ether (Ethyl ether)	ug/L	ND	50	46.9	94	71-133	
Ethylbenzene	ug/L	ND	50	45.1	90	75-132	
Hexachloro-1,3-butadiene	ug/L	ND	25	20.1	80	62-147	
Isopropylbenzene (Cumene)	ug/L	ND	50	46.8	94	75-135	
m&p-Xylene	ug/L	ND	100	90.6	91	75-131	
Methyl-tert-butyl ether	ug/L	ND	50	48.3	97	71-137	
Methylene Chloride	ug/L	ND	50	45.4	91	57-134	
n-Butylbenzene	ug/L	ND	50	44.1	88	74-139	
n-Propylbenzene	ug/L	ND	50	45.4	91	75-137	
Naphthalene	ug/L	ND	50	41.5	83	75-129	
o-Xylene	ug/L	ND	50	44.1	88	75-128	
p-Isopropyltoluene	ug/L	ND	50	44.3	89	75-135	
sec-Butylbenzene	ug/L	ND	50	44.9	90	75-137	
Styrene	ug/L	ND	50	45.0	90	75-126	
tert-Butylbenzene	ug/L	ND	50	44.7	89	75-133	
Tetrachloroethene	ug/L	ND	50	44.2	88	75-138	
Tetrahydrofuran	ug/L	ND	500	451	90	74-128	
Toluene	ug/L	ND	50	43.1	86	75-131	
trans-1,2-Dichloroethene	ug/L	ND	50	46.4	93	75-140	
trans-1,3-Dichloropropene	ug/L	ND	50	44.2	88	75-129	
Trichloroethene	ug/L	ND	50	46.4	93	75-132	
Trichlorofluoromethane	ug/L	ND	50	66.6	133	75-150	
Vinyl chloride	ug/L	ND	50	59.7	119	75-150	
Xylene (Total)	ug/L	ND	150	135	90	75-129	
1,2-Dichloroethane-d4 (S)	%				105	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				109	75-125	
Toluene-d8 (S)	%				97	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1205456

Parameter	Units	10192547002 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	
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	.22J		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	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1205456

Parameter	Units	10192547002 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	.16J		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	
o-Xylene	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	ND	ND		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	12.6	12.8	2	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)	%	104	105	.5		
4-Bromofluorobenzene (S)	%	99	99	.03		
Dibromofluoromethane (S)	%	104	103	.7		
Toluene-d8 (S)	%	96	96	.4		

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

QC Batch: MSV/20303 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10192745002, 10192745004

METHOD BLANK: 1202716 Matrix: Water
Associated Lab Samples: 10192745002, 10192745004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1-Dichloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,1-Dichloroethene	ug/L	ND	1.0	05/23/12 11:22	
1,1-Dichloropropene	ug/L	ND	1.0	05/23/12 11:22	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/23/12 11:22	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/23/12 11:22	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/23/12 11:22	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/23/12 11:22	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
1,2-Dichloroethane	ug/L	ND	1.0	05/23/12 11:22	
1,2-Dichloropropane	ug/L	ND	4.0	05/23/12 11:22	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/23/12 11:22	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
1,3-Dichloropropane	ug/L	ND	1.0	05/23/12 11:22	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
2,2-Dichloropropane	ug/L	ND	4.0	05/23/12 11:22	
2-Butanone (MEK)	ug/L	ND	4.0	05/23/12 11:22	
2-Chlorotoluene	ug/L	ND	1.0	05/23/12 11:22	
4-Chlorotoluene	ug/L	ND	1.0	05/23/12 11:22	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/23/12 11:22	
Acetone	ug/L	ND	25.0	05/23/12 11:22	
Allyl chloride	ug/L	ND	4.0	05/23/12 11:22	
Benzene	ug/L	ND	1.0	05/23/12 11:22	
Bromobenzene	ug/L	ND	1.0	05/23/12 11:22	
Bromochloromethane	ug/L	ND	1.0	05/23/12 11:22	
Bromodichloromethane	ug/L	ND	1.0	05/23/12 11:22	
Bromoform	ug/L	ND	4.0	05/23/12 11:22	
Bromomethane	ug/L	ND	4.0	05/23/12 11:22	
Carbon tetrachloride	ug/L	ND	1.0	05/23/12 11:22	
Chlorobenzene	ug/L	ND	1.0	05/23/12 11:22	
Chloroethane	ug/L	ND	1.0	05/23/12 11:22	
Chloroform	ug/L	ND	1.0	05/23/12 11:22	
Chloromethane	ug/L	ND	4.0	05/23/12 11:22	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/23/12 11:22	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/23/12 11:22	
Dibromochloromethane	ug/L	ND	1.0	05/23/12 11:22	
Dibromomethane	ug/L	ND	4.0	05/23/12 11:22	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

METHOD BLANK: 1202716 Matrix: Water

Associated Lab Samples: 10192745002, 10192745004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/23/12 11:22	
Dichlorofluoromethane	ug/L	ND	1.0	05/23/12 11:22	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/23/12 11:22	
Ethylbenzene	ug/L	ND	1.0	05/23/12 11:22	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/23/12 11:22	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/23/12 11:22	
m&p-Xylene	ug/L	ND	2.0	05/23/12 11:22	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/23/12 11:22	
Methylene Chloride	ug/L	ND	4.0	05/23/12 11:22	
n-Butylbenzene	ug/L	ND	1.0	05/23/12 11:22	
n-Propylbenzene	ug/L	ND	1.0	05/23/12 11:22	
Naphthalene	ug/L	ND	4.0	05/23/12 11:22	
o-Xylene	ug/L	ND	1.0	05/23/12 11:22	
p-Isopropyltoluene	ug/L	ND	1.0	05/23/12 11:22	
sec-Butylbenzene	ug/L	ND	1.0	05/23/12 11:22	
Styrene	ug/L	ND	1.0	05/23/12 11:22	
tert-Butylbenzene	ug/L	ND	1.0	05/23/12 11:22	
Tetrachloroethene	ug/L	ND	1.0	05/23/12 11:22	
Tetrahydrofuran	ug/L	ND	10.0	05/23/12 11:22	
Toluene	ug/L	ND	1.0	05/23/12 11:22	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/23/12 11:22	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/23/12 11:22	
Trichloroethene	ug/L	ND	1.0	05/23/12 11:22	
Trichlorofluoromethane	ug/L	ND	1.0	05/23/12 11:22	
Vinyl chloride	ug/L	ND	0.40	05/23/12 11:22	
Xylene (Total)	ug/L	ND	3.0	05/23/12 11:22	
1,2-Dichloroethane-d4 (S)	%	106	75-125	05/23/12 11:22	
4-Bromofluorobenzene (S)	%	99	75-125	05/23/12 11:22	
Dibromofluoromethane (S)	%	106	75-125	05/23/12 11:22	
Toluene-d8 (S)	%	96	75-125	05/23/12 11:22	

LABORATORY CONTROL SAMPLE: 1202717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	43.4	87	75-125	
1,1,1-Trichloroethane	ug/L	50	49.3	99	73-128	
1,1,2,2-Tetrachloroethane	ug/L	50	41.8	84	75-125	
1,1,2-Trichloroethane	ug/L	50	42.7	85	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.4	89	63-125	
1,1-Dichloroethane	ug/L	50	49.4	99	72-126	
1,1-Dichloroethene	ug/L	50	48.0	96	73-129	
1,1-Dichloropropene	ug/L	50	49.2	98	72-128	
1,2,3-Trichlorobenzene	ug/L	50	37.7	75	73-125	
1,2,3-Trichloropropane	ug/L	50	41.4	83	75-125	
1,2,4-Trichlorobenzene	ug/L	50	39.3	79	74-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1202717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	41.4	83	75-126	
1,2-Dibromo-3-chloropropane	ug/L	50	39.8	80	75-125	
1,2-Dibromoethane (EDB)	ug/L	50	43.3	87	75-125	
1,2-Dichlorobenzene	ug/L	50	41.2	82	75-125	
1,2-Dichloroethane	ug/L	50	49.7	99	75-132	
1,2-Dichloropropane	ug/L	50	45.7	91	75-125	
1,3,5-Trimethylbenzene	ug/L	50	41.9	84	75-126	
1,3-Dichlorobenzene	ug/L	50	41.1	82	75-125	
1,3-Dichloropropane	ug/L	50	43.4	87	75-125	
1,4-Dichlorobenzene	ug/L	50	41.0	82	75-125	
2,2-Dichloropropane	ug/L	50	49.7	99	72-133	
2-Butanone (MEK)	ug/L	50	48.7	97	52-138	
2-Chlorotoluene	ug/L	50	41.5	83	74-125	
4-Chlorotoluene	ug/L	50	41.8	84	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	42.3	85	75-125	
Acetone	ug/L	125	139	112	30-150	
Allyl chloride	ug/L	50	49.9	100	75-132	
Benzene	ug/L	50	49.1	98	75-132	
Bromobenzene	ug/L	50	41.3	83	75-125	
Bromochloromethane	ug/L	50	50.8	102	75-126	
Bromodichloromethane	ug/L	50	46.5	93	75-125	
Bromoform	ug/L	50	43.0	86	75-125	
Bromomethane	ug/L	50	54.8	110	52-150	
Carbon tetrachloride	ug/L	50	50.4	101	73-132	
Chlorobenzene	ug/L	50	43.6	87	75-125	
Chloroethane	ug/L	50	52.6	105	75-143	
Chloroform	ug/L	50	48.9	98	75-128	
Chloromethane	ug/L	50	52.4	105	56-136	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	75-125	
cis-1,3-Dichloropropene	ug/L	50	46.6	93	75-125	
Dibromochloromethane	ug/L	50	43.6	87	75-125	
Dibromomethane	ug/L	50	45.6	91	75-125	
Dichlorodifluoromethane	ug/L	50	47.0	94	50-137	
Dichlorofluoromethane	ug/L	50	49.0	98	68-133	
Diethyl ether (Ethyl ether)	ug/L	50	50.1	100	75-125	
Ethylbenzene	ug/L	50	43.7	87	75-125	
Hexachloro-1,3-butadiene	ug/L	25	18.6	74	57-132	
Isopropylbenzene (Cumene)	ug/L	50	43.4	87	75-125	
m&p-Xylene	ug/L	100	87.0	87	75-125	
Methyl-tert-butyl ether	ug/L	50	50.3	101	74-130	
Methylene Chloride	ug/L	50	48.3	97	62-127	
n-Butylbenzene	ug/L	50	40.2	80	68-128	
n-Propylbenzene	ug/L	50	42.8	86	74-125	
Naphthalene	ug/L	50	37.9	76	75-125	
o-Xylene	ug/L	50	42.5	85	75-125	
p-Isopropyltoluene	ug/L	50	40.7	81	75-125	
sec-Butylbenzene	ug/L	50	40.7	81	71-125	
Styrene	ug/L	50	43.3	87	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

LABORATORY CONTROL SAMPLE: 1202717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	40.7	81	73-125	
Tetrachloroethene	ug/L	50	42.6	85	75-125	
Tetrahydrofuran	ug/L	500	465	93	75-128	
Toluene	ug/L	50	42.2	84	75-125	
trans-1,2-Dichloroethene	ug/L	50	47.8	96	75-125	
trans-1,3-Dichloropropene	ug/L	50	43.7	87	75-125	
Trichloroethene	ug/L	50	46.3	93	75-125	
Trichlorofluoromethane	ug/L	50	52.3	105	64-139	
Vinyl chloride	ug/L	50	53.7	107	75-150	
Xylene (Total)	ug/L	150	129	86	75-125	
1,2-Dichloroethane-d4 (S)	%			106	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			109	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE SAMPLE: 1204312

Parameter	Units	127780001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	39.1	78	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	45.7	91	75-145	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	36.6	73	75-125	M1
1,1,2-Trichloroethane	ug/L	ND	50	39.1	78	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	58.7	117	75-150	
1,1-Dichloroethane	ug/L	ND	50	44.5	89	75-139	
1,1-Dichloroethene	ug/L	ND	50	46.8	94	75-148	
1,1-Dichloropropene	ug/L	ND	50	45.5	91	75-148	
1,2,3-Trichlorobenzene	ug/L	ND	50	33.3	67	75-127	M1
1,2,3-Trichloropropane	ug/L	ND	50	37.1	74	75-125	M1
1,2,4-Trichlorobenzene	ug/L	ND	50	35.3	71	75-126	M1
1,2,4-Trimethylbenzene	ug/L	ND	50	37.0	74	75-135	M1
1,2-Dibromo-3-chloropropane	ug/L	ND	50	35.9	72	75-125	M1
1,2-Dibromoethane (EDB)	ug/L	ND	50	37.8	76	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	36.2	72	75-125	M1
1,2-Dichloroethane	ug/L	ND	50	43.9	88	75-139	
1,2-Dichloropropane	ug/L	ND	50	42.8	86	75-131	
1,3,5-Trimethylbenzene	ug/L	ND	50	37.4	75	75-134	
1,3-Dichlorobenzene	ug/L	ND	50	36.3	73	75-125	M1
1,3-Dichloropropane	ug/L	ND	50	38.6	77	75-127	
1,4-Dichlorobenzene	ug/L	ND	50	36.5	73	75-125	M1
2,2-Dichloropropane	ug/L	ND	50	46.7	93	75-150	
2-Butanone (MEK)	ug/L	ND	50	41.6	83	50-138	
2-Chlorotoluene	ug/L	ND	50	37.0	74	75-134	M1
4-Chlorotoluene	ug/L	ND	50	37.2	74	75-130	M1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	37.9	76	75-125	
Acetone	ug/L	ND	125	121	97	30-142	
Allyl chloride	ug/L	ND	50	45.6	91	75-146	
Benzene	ug/L	ND	50	43.8	88	75-146	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

MATRIX SPIKE SAMPLE: 1204312

Parameter	Units	127780001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	50	36.8	74	75-125	M1
Bromochloromethane	ug/L	ND	50	45.5	91	75-129	
Bromodichloromethane	ug/L	ND	50	43.3	87	75-130	
Bromoform	ug/L	ND	50	38.6	77	75-125	
Bromomethane	ug/L	ND	50	57.8	116	52-150	
Carbon tetrachloride	ug/L	ND	50	48.4	97	75-150	
Chlorobenzene	ug/L	ND	50	39.2	78	75-127	
Chloroethane	ug/L	ND	50	54.4	109	75-146	
Chloroform	ug/L	ND	50	44.5	89	75-137	
Chloromethane	ug/L	ND	50	56.3	113	64-150	
cis-1,2-Dichloroethene	ug/L	ND	50	43.6	87	75-139	
cis-1,3-Dichloropropene	ug/L	ND	50	43.9	88	75-129	
Dibromochloromethane	ug/L	ND	50	39.6	79	75-125	
Dibromomethane	ug/L	ND	50	41.5	83	75-126	
Dichlorodifluoromethane	ug/L	ND	50	67.0	134	75-150	
Dichlorofluoromethane	ug/L	ND	50	46.3	93	75-143	
Diethyl ether (Ethyl ether)	ug/L	ND	50	45.2	90	71-133	
Ethylbenzene	ug/L	ND	50	39.2	78	75-132	
Hexachloro-1,3-butadiene	ug/L	ND	25	17.2	69	62-147	
Isopropylbenzene (Cumene)	ug/L	ND	50	39.3	79	75-135	
m&p-Xylene	ug/L	ND	100	77.7	78	75-131	
Methyl-tert-butyl ether	ug/L	ND	50	45.3	91	71-137	
Methylene Chloride	ug/L	ND	50	43.7	87	57-134	
n-Butylbenzene	ug/L	ND	50	36.1	72	74-139	M1
n-Propylbenzene	ug/L	ND	50	38.4	77	75-137	
Naphthalene	ug/L	ND	50	33.5	67	75-129	M1
o-Xylene	ug/L	ND	50	37.6	75	75-128	
p-Isopropyltoluene	ug/L	ND	50	36.2	72	75-135	M1
sec-Butylbenzene	ug/L	ND	50	37.1	74	75-137	M1
Styrene	ug/L	ND	50	38.9	78	75-126	
tert-Butylbenzene	ug/L	ND	50	37.1	74	75-133	M1
Tetrachloroethene	ug/L	ND	50	39.3	79	75-138	
Tetrahydrofuran	ug/L	ND	500	410	82	74-128	
Toluene	ug/L	ND	50	38.2	76	75-131	
trans-1,2-Dichloroethene	ug/L	ND	50	44.0	88	75-140	
trans-1,3-Dichloropropene	ug/L	ND	50	39.5	79	75-129	
Trichloroethene	ug/L	ND	50	43.0	86	75-132	
Trichlorofluoromethane	ug/L	ND	50	63.5	127	75-150	
Vinyl chloride	ug/L	ND	50	58.6	117	75-150	
Xylene (Total)	ug/L	ND	150	115	77	75-129	
1,2-Dichloroethane-d4 (S)	%				103	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Dibromofluoromethane (S)	%				106	75-125	
Toluene-d8 (S)	%				96	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1204313

Parameter	Units	127780002 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	.19J		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	
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	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

SAMPLE DUPLICATE: 1204313

Parameter	Units	127780002 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	.43J		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	
o-Xylene	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	ND	ND		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)	%	108	103	5		
4-Bromofluorobenzene (S)	%	99	97	1		
Dibromofluoromethane (S)	%	107	106	.8		
Toluene-d8 (S)	%	95	94	1		

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192745

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10192745001	**DPE-1**	EPA 8260	MSV/20280		
10192745002	**DPE-2**	EPA 8260	MSV/20303		
10192745003	**DPE-3**	EPA 8260	MSV/20292		
10192745004	**DPE-4**	EPA 8260	MSV/20303		
10192745005	**DPE-5**	EPA 8260	MSV/20292		
10192745006	**DPE-6**	EPA 8260	MSV/20292		
10192745007	**DPE-7**	EPA 8260	MSV/20292		
10192745008	**MW-14**	EPA 8260	MSV/20292		
10192745009	**MW-15**	EPA 8260	MSV/20292		
10192745010	**MW-16**	EPA 8260	MSV/20292		
10192745011	**MW-17**	EPA 8260	MSV/20292		
10192745012	**MW-18**	EPA 8260	MSV/20292		
10192745013	**MW-19**	EPA 8260	MSV/20292		
10192745014	**MW-20**	EPA 8260	MSV/20297		
10192745015	**TRIP BLANK**	EPA 8260	MSV/20297		

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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.

1019245

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ THER_____

SITE LOCATION ☐ SA ☐ _ ☐ N ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ THER____

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	Section D **Required** Client Information **SAMPLE ID** One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE Samples	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	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	Filtered (Y/N)	Requested Analysis: EPA 8260 VOCs	Pace Project Number Lab I.D.
1																				
2																				
3	DPE-1	W	G	5/17/12	11:15				3										X	001
4	DPE-2	W	G	5/17/12	11:30				3										X	002
5	DPE-3	W	G	5/17/12	11:45				3										X	003
6	DPE-4	W	G	5/17/12	12:00				3										X	004
7	DPE-5	W	G	5/17/12	12:15				3										X	005
8	DPE-6	W	G	5/17/12	12:30				3										X	006
5	DPE-7	W	G	5/17/12	12:45				3										X	007
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Pace	5.18.12	13:00

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

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

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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.

10192745

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION ☐ GA ☐ _ ☐ NJ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ OTHER____

Section D **Required** Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE

Samples

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	Section D SAMPLE ID	MATRIX CODE	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	Requested Analysis: EPA 8260 VOCs	Pace Project Number / Lab I.D.
1	MW-14	W	G	5/27/12	13:30				3									X	08
2	MW-15	W	G	5/27/12	14:00				3									X	09
3	MW-16	W	G	5/27/12	14:30				3									X	010
4	MW-17	W	G	5/27/12	15:00				3									X	011
5	MW-18	W	G	5/27/12	15:30				3									X	012
6	MW-19	W	G	5/27/12	16:00				3									X	013
7	MW-20	W	G	5/27/12	16:30				3									X	014
8																			015
5																			
6																			
7																			
8																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			[signature] / Pace	5-18	1340

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

Pace Analytical	Document Name: Sample Condition Upon Receipt Form	Revised Date: 15Feb2012 Page 1 of 1
	Document Number: F-MN-L-213-rev.02	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark Project # 10192745

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace Other COURIER

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☒ No _____

Thermometer Used 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.0 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C **Comments:**

Date and Initials of person examining contents: S.18.12

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. S.18.12
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐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.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCL<2; NaOH >12)	☐Yes ☐No ☒N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes ☐No	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 Enclosed w/Sample BUT NOT ON COC
Trip Blank Custody Seals Present	☐Yes ☐No ☒N/A	Also Received EMPTY TRIP BLANK S.18.12
Pace Trip Blank Lot # (if purchased): 04/13/12-2		S.18.12

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5/21/12

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

May 25, 2012

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 18, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10192748001	**AS-INFLUENT**	Water	05/17/12 10:55	05/18/12 13:00
10192748002	**AS-EFFLUENT**	Water	05/17/12 11:00	05/18/12 13:00

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10192748001	**AS-INFLUENT**	EPA 624	DJT	74
10192748002	**AS-EFFLUENT**	EPA 624	DJT	74

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(612)607-1700

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Sample: AS-INFLUENT **Lab ID: 10192748001** Collected: 05/17/12 10:55 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	25.0	1		05/24/12 21:40	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/24/12 21:40	107-05-1	
Benzene	ND	ug/L	1.0	1		05/24/12 21:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/24/12 21:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/24/12 21:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/24/12 21:40	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/24/12 21:40	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/24/12 21:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/24/12 21:40	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/24/12 21:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/24/12 21:40	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/24/12 21:40	110-75-8	
Chloroform	ND	ug/L	1.0	1		05/24/12 21:40	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/24/12 21:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/24/12 21:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/24/12 21:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/24/12 21:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/24/12 21:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/24/12 21:40	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/24/12 21:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/24/12 21:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/24/12 21:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/24/12 21:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/24/12 21:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/12 21:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/12 21:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/24/12 21:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/24/12 21:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/24/12 21:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/24/12 21:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/24/12 21:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/24/12 21:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/24/12 21:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/24/12 21:40	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/12 21:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/24/12 21:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/24/12 21:40	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/24/12 21:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/24/12 21:40	108-10-1	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Sample: AS-INFLUENT **Lab ID: 10192748001** Collected: 05/17/12 10:55 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/24/12 21:40	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/24/12 21:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	103-65-1	
Styrene	ND	ug/L	1.0	1		05/24/12 21:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/24/12 21:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/24/12 21:40	79-34-5	
Tetrachloroethene	**22.7**	ug/L	1.0	1		05/24/12 21:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/24/12 21:40	109-99-9	
Toluene	ND	ug/L	1.0	1		05/24/12 21:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/24/12 21:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/24/12 21:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/24/12 21:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/24/12 21:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/24/12 21:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/24/12 21:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/24/12 21:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/24/12 21:40	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/24/12 21:40	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/24/12 21:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/24/12 21:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/24/12 21:40	95-47-6	
Surrogates								
Dibromofluoromethane (S)	100	%	75-125	1		05/24/12 21:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		05/24/12 21:40	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		05/24/12 21:40	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		05/24/12 21:40	460-00-4	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Sample: AS-EFFLUENT **Lab ID: 10192748002** Collected: 05/17/12 11:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	25.0	1		05/24/12 20:29	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/24/12 20:29	107-05-1	
Benzene	ND	ug/L	1.0	1		05/24/12 20:29	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/24/12 20:29	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/24/12 20:29	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/24/12 20:29	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/24/12 20:29	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/24/12 20:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/24/12 20:29	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/24/12 20:29	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/24/12 20:29	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/24/12 20:29	110-75-8	M1
Chloroform	ND	ug/L	1.0	1		05/24/12 20:29	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/24/12 20:29	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/24/12 20:29	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/24/12 20:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/24/12 20:29	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/24/12 20:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/24/12 20:29	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/24/12 20:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/24/12 20:29	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/24/12 20:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/24/12 20:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/24/12 20:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/12 20:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/24/12 20:29	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/24/12 20:29	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/24/12 20:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/24/12 20:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/24/12 20:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/24/12 20:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/24/12 20:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/24/12 20:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/24/12 20:29	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/24/12 20:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/24/12 20:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/24/12 20:29	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/24/12 20:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/24/12 20:29	108-10-1	

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Sample: AS-EFFLUENT **Lab ID: 10192748002** Collected: 05/17/12 11:00 Received: 05/18/12 13:00 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/24/12 20:29	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/24/12 20:29	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	103-65-1	
Styrene	ND	ug/L	1.0	1		05/24/12 20:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/24/12 20:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/24/12 20:29	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/24/12 20:29	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/24/12 20:29	109-99-9	
Toluene	ND	ug/L	1.0	1		05/24/12 20:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/24/12 20:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/24/12 20:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/24/12 20:29	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/24/12 20:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/24/12 20:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/24/12 20:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/24/12 20:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/24/12 20:29	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/24/12 20:29	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/24/12 20:29	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/24/12 20:29	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/24/12 20:29	95-47-6	
Surrogates								
Dibromofluoromethane (S)	99	%	75-125	1		05/24/12 20:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		05/24/12 20:29	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		05/24/12 20:29	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		05/24/12 20:29	460-00-4	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

QC Batch: MSV/20324 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10192748001, 10192748002

METHOD BLANK: 1203983 Matrix: Water
Associated Lab Samples: 10192748001, 10192748002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1-Dichloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,1-Dichloroethene	ug/L	ND	1.0	05/24/12 19:42	
1,1-Dichloropropene	ug/L	ND	1.0	05/24/12 19:42	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/24/12 19:42	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/24/12 19:42	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/24/12 19:42	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/24/12 19:42	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
1,2-Dichloroethane	ug/L	ND	1.0	05/24/12 19:42	
1,2-Dichloropropane	ug/L	ND	4.0	05/24/12 19:42	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/24/12 19:42	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
1,3-Dichloropropane	ug/L	ND	1.0	05/24/12 19:42	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
2,2-Dichloropropane	ug/L	ND	4.0	05/24/12 19:42	
2-Butanone (MEK)	ug/L	ND	4.0	05/24/12 19:42	
2-Chloroethylvinyl ether	ug/L	ND	10.0	05/24/12 19:42	
2-Chlorotoluene	ug/L	ND	1.0	05/24/12 19:42	
4-Chlorotoluene	ug/L	ND	1.0	05/24/12 19:42	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/24/12 19:42	
Acetone	ug/L	ND	25.0	05/24/12 19:42	
Allyl chloride	ug/L	ND	4.0	05/24/12 19:42	
Benzene	ug/L	ND	1.0	05/24/12 19:42	
Bromobenzene	ug/L	ND	1.0	05/24/12 19:42	
Bromochloromethane	ug/L	ND	1.0	05/24/12 19:42	
Bromodichloromethane	ug/L	ND	1.0	05/24/12 19:42	
Bromoform	ug/L	ND	4.0	05/24/12 19:42	
Bromomethane	ug/L	ND	4.0	05/24/12 19:42	
Carbon tetrachloride	ug/L	ND	1.0	05/24/12 19:42	
Chlorobenzene	ug/L	ND	1.0	05/24/12 19:42	
Chloroethane	ug/L	ND	1.0	05/24/12 19:42	
Chloroform	ug/L	ND	1.0	05/24/12 19:42	
Chloromethane	ug/L	ND	4.0	05/24/12 19:42	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/24/12 19:42	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/24/12 19:42	
Dibromochloromethane	ug/L	ND	1.0	05/24/12 19:42	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

METHOD BLANK: 1203983 Matrix: Water

Associated Lab Samples: 10192748001, 10192748002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	4.0	05/24/12 19:42	
Dichlorodifluoromethane	ug/L	ND	1.0	05/24/12 19:42	
Dichlorofluoromethane	ug/L	ND	1.0	05/24/12 19:42	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/24/12 19:42	
Ethylbenzene	ug/L	ND	1.0	05/24/12 19:42	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/24/12 19:42	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/24/12 19:42	
m&p-Xylene	ug/L	ND	2.0	05/24/12 19:42	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/24/12 19:42	
Methylene Chloride	ug/L	ND	4.0	05/24/12 19:42	
n-Butylbenzene	ug/L	ND	1.0	05/24/12 19:42	
n-Propylbenzene	ug/L	ND	1.0	05/24/12 19:42	
Naphthalene	ug/L	ND	4.0	05/24/12 19:42	
o-Xylene	ug/L	ND	1.0	05/24/12 19:42	
p-Isopropyltoluene	ug/L	ND	1.0	05/24/12 19:42	
sec-Butylbenzene	ug/L	ND	1.0	05/24/12 19:42	
Styrene	ug/L	ND	1.0	05/24/12 19:42	
tert-Butylbenzene	ug/L	ND	1.0	05/24/12 19:42	
Tetrachloroethene	ug/L	ND	1.0	05/24/12 19:42	
Tetrahydrofuran	ug/L	ND	10.0	05/24/12 19:42	
Toluene	ug/L	ND	1.0	05/24/12 19:42	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/24/12 19:42	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/24/12 19:42	
Trichloroethene	ug/L	ND	1.0	05/24/12 19:42	
Trichlorofluoromethane	ug/L	ND	1.0	05/24/12 19:42	
Vinyl chloride	ug/L	ND	0.40	05/24/12 19:42	
Xylene (Total)	ug/L	ND	3.0	05/24/12 19:42	
1,2-Dichloroethane-d4 (S)	%	100	75-125	05/24/12 19:42	
4-Bromofluorobenzene (S)	%	102	75-125	05/24/12 19:42	
Dibromofluoromethane (S)	%	99	75-125	05/24/12 19:42	
Toluene-d8 (S)	%	100	75-125	05/24/12 19:42	

LABORATORY CONTROL SAMPLE: 1203984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.6	97	75-125	
1,1,1-Trichloroethane	ug/L	50	46.9	94	75-129	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	69-126	
1,1,2-Trichloroethane	ug/L	50	46.9	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	47.9	96	70-127	
1,1-Dichloroethane	ug/L	50	47.3	95	75-128	
1,1-Dichloroethene	ug/L	50	47.9	96	72-130	
1,1-Dichloropropene	ug/L	50	47.8	96	75-130	
1,2,3-Trichlorobenzene	ug/L	50	48.0	96	75-125	
1,2,3-Trichloropropane	ug/L	50	49.7	99	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

LABORATORY CONTROL SAMPLE: 1203984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	47.4	95	75-126	
1,2,4-Trimethylbenzene	ug/L	50	47.9	96	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	72-125	
1,2-Dibromoethane (EDB)	ug/L	50	48.5	97	75-125	
1,2-Dichlorobenzene	ug/L	50	47.4	95	75-125	
1,2-Dichloroethane	ug/L	50	48.2	96	75-125	
1,2-Dichloropropane	ug/L	50	47.8	96	75-125	
1,3,5-Trimethylbenzene	ug/L	50	47.6	95	75-125	
1,3-Dichlorobenzene	ug/L	50	47.0	94	75-125	
1,3-Dichloropropane	ug/L	50	47.8	96	75-125	
1,4-Dichlorobenzene	ug/L	50	47.7	95	75-125	
2,2-Dichloropropane	ug/L	50	46.8	94	75-133	
2-Butanone (MEK)	ug/L	50	48.1	96	62-132	
2-Chloroethylvinyl ether	ug/L	125	124	99	75-125	
2-Chlorotoluene	ug/L	50	47.4	95	74-126	
4-Chlorotoluene	ug/L	50	47.8	96	75-126	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.8	96	73-125	
Acetone	ug/L	125	118	95	35-150	
Allyl chloride	ug/L	50	47.9	96	71-139	
Benzene	ug/L	50	46.8	94	74-126	
Bromobenzene	ug/L	50	47.8	96	75-125	
Bromochloromethane	ug/L	50	48.7	97	75-125	
Bromodichloromethane	ug/L	50	47.7	95	75-125	
Bromoform	ug/L	50	48.9	98	75-126	
Bromomethane	ug/L	50	45.8	92	59-146	
Carbon tetrachloride	ug/L	50	47.9	96	72-133	
Chlorobenzene	ug/L	50	47.4	95	75-125	
Chloroethane	ug/L	50	51.4	103	73-138	
Chloroform	ug/L	50	45.9	92	75-125	
Chloromethane	ug/L	50	46.9	94	68-129	
cis-1,2-Dichloroethene	ug/L	50	47.6	95	75-125	
cis-1,3-Dichloropropene	ug/L	50	49.0	98	75-125	
Dibromochloromethane	ug/L	50	49.3	99	75-125	
Dibromomethane	ug/L	50	47.2	94	75-125	
Dichlorodifluoromethane	ug/L	50	45.8	92	75-150	
Dichlorofluoromethane	ug/L	50	46.8	94	75-128	
Diethyl ether (Ethyl ether)	ug/L	50	49.8	100	75-125	
Ethylbenzene	ug/L	50	46.3	93	75-125	
Hexachloro-1,3-butadiene	ug/L	25	24.3	97	61-133	
Isopropylbenzene (Cumene)	ug/L	50	47.9	96	75-125	
m&p-Xylene	ug/L	100	95.2	95	75-125	
Methyl-tert-butyl ether	ug/L	50	49.1	98	75-125	
Methylene Chloride	ug/L	50	46.9	94	75-125	
n-Butylbenzene	ug/L	50	47.6	95	72-130	
n-Propylbenzene	ug/L	50	47.6	95	74-129	
Naphthalene	ug/L	50	50.1	100	75-125	
o-Xylene	ug/L	50	47.8	96	75-125	
p-Isopropyltoluene	ug/L	50	47.9	96	73-130	

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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

LABORATORY CONTROL SAMPLE: 1203984

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/L	50	48.1	96	71-131	
Styrene	ug/L	50	48.1	96	75-125	
tert-Butylbenzene	ug/L	50	47.6	95	73-129	
Tetrachloroethene	ug/L	50	46.6	93	74-127	
Tetrahydrofuran	ug/L	500	483	97	71-127	
Toluene	ug/L	50	46.5	93	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.0	96	74-127	
trans-1,3-Dichloropropene	ug/L	50	48.3	97	75-125	
Trichloroethene	ug/L	50	47.2	94	75-125	
Trichlorofluoromethane	ug/L	50	48.3	97	75-150	
Vinyl chloride	ug/L	50	48.5	97	75-132	
Xylene (Total)	ug/L	150	143	95	75-125	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE SAMPLE: 1203985

Parameter	Units	10192748002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50.3	101	75-126	
1,1,1-Trichloroethane	ug/L	ND	50	51.8	104	75-141	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	48.9	98	68-129	
1,1,2-Trichloroethane	ug/L	ND	50	48.2	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	63.6	127	75-150	
1,1-Dichloroethane	ug/L	ND	50	50.4	101	75-139	
1,1-Dichloroethene	ug/L	ND	50	54.4	109	75-147	
1,1-Dichloropropene	ug/L	ND	50	53.5	107	75-150	
1,2,3-Trichlorobenzene	ug/L	ND	50	50.3	100	75-125	
1,2,3-Trichloropropane	ug/L	ND	50	51.2	102	71-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	50.6	101	75-127	
1,2,4-Trimethylbenzene	ug/L	ND	50	50.4	101	74-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.0	100	69-125	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.5	99	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	49.0	98	75-125	
1,2-Dichloroethane	ug/L	ND	50	49.4	99	75-130	
1,2-Dichloropropane	ug/L	ND	50	50.0	100	75-129	
1,3,5-Trimethylbenzene	ug/L	ND	50	50.5	101	72-135	
1,3-Dichlorobenzene	ug/L	ND	50	48.9	98	75-125	
1,3-Dichloropropane	ug/L	ND	50	48.7	97	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	49.6	99	75-125	
2,2-Dichloropropane	ug/L	ND	50	53.0	106	75-150	
2-Butanone (MEK)	ug/L	ND	50	49.5	99	56-126	
2-Chloroethylvinyl ether	ug/L	ND	125	ND	0	30-125	M1
2-Chlorotoluene	ug/L	ND	50	50.3	101	75-130	
4-Chlorotoluene	ug/L	ND	50	50.1	100	75-127	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	49.4	99	69-128	

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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

MATRIX SPIKE SAMPLE: 1203985

Parameter	Units	10192748002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	129	98	32-129	
Allyl chloride	ug/L	ND	50	51.4	103	61-150	
Benzene	ug/L	ND	50	49.7	99	75-135	
Bromobenzene	ug/L	ND	50	49.7	99	75-125	
Bromochloromethane	ug/L	ND	50	50.3	101	75-128	
Bromodichloromethane	ug/L	ND	50	49.5	99	75-127	
Bromoform	ug/L	ND	50	50.1	100	76-125	
Bromomethane	ug/L	ND	50	57.1	114	64-150	
Carbon tetrachloride	ug/L	ND	50	54.1	108	75-148	
Chlorobenzene	ug/L	ND	50	49.8	100	75-125	
Chloroethane	ug/L	ND	50	54.8	110	75-146	
Chloroform	ug/L	ND	50	48.3	97	75-131	
Chloromethane	ug/L	ND	50	50.0	100	73-141	
cis-1,2-Dichloroethene	ug/L	ND	50	51.0	102	75-136	
cis-1,3-Dichloropropene	ug/L	ND	50	50.5	101	75-130	
Dibromochloromethane	ug/L	ND	50	50.5	101	75-125	
Dibromomethane	ug/L	ND	50	48.3	97	75-125	
Dichlorodifluoromethane	ug/L	ND	50	60.9	122	75-150	
Dichlorofluoromethane	ug/L	ND	50	51.1	102	75-140	
Diethyl ether (Ethyl ether)	ug/L	ND	50	50.0	100	75-129	
Ethylbenzene	ug/L	ND	50	49.3	99	75-129	
Hexachloro-1,3-butadiene	ug/L	ND	25	29.1	117	72-139	
Isopropylbenzene (Cumene)	ug/L	ND	50	51.1	102	75-131	
m&p-Xylene	ug/L	ND	100	101	101	75-129	
Methyl-tert-butyl ether	ug/L	ND	50	50.3	101	75-131	
Methylene Chloride	ug/L	ND	50	48.6	97	74-125	
n-Butylbenzene	ug/L	ND	50	52.5	105	75-138	
n-Propylbenzene	ug/L	ND	50	51.0	102	75-134	
Naphthalene	ug/L	ND	50	51.7	103	75-125	
o-Xylene	ug/L	ND	50	50.3	101	75-128	
p-Isopropyltoluene	ug/L	ND	50	52.0	104	75-136	
sec-Butylbenzene	ug/L	ND	50	52.4	105	75-135	
Styrene	ug/L	ND	50	48.5	97	59-144	
tert-Butylbenzene	ug/L	ND	50	51.1	102	75-133	
Tetrachloroethene	ug/L	ND	50	51.5	102	75-136	
Tetrahydrofuran	ug/L	ND	500	486	97	64-134	
Toluene	ug/L	ND	50	49.7	99	75-127	
trans-1,2-Dichloroethene	ug/L	ND	50	52.4	105	75-142	
trans-1,3-Dichloropropene	ug/L	ND	50	50.4	101	74-129	
Trichloroethene	ug/L	ND	50	50.7	101	75-136	
Trichlorofluoromethane	ug/L	ND	50	58.3	117	75-150	
Vinyl chloride	ug/L	ND	50	54.0	108	75-150	
Xylene (Total)	ug/L	ND	150	151	101	75-128	
1,2-Dichloroethane-d4 (S)	%				99	75-125	
4-Bromofluorobenzene (S)	%				101	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				100	75-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

SAMPLE DUPLICATE: 1203986

Parameter	Units	10192797001 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-Chloroethylvinyl ether	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	
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	12.3	12.1	2	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: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

SAMPLE DUPLICATE: 1203986

Parameter	Units	10192797001 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	.51J		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	27.0	27.6	2	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	1.5	1.5	2	30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	101	.7		
4-Bromofluorobenzene (S)	%	100	101	.4		
Dibromofluoromethane (S)	%	100	99	.5		
Toluene-d8 (S)	%	100	101	.6		

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10192748

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10192748001	**AS-INFLUENT**	EPA 624	MSV/20324		
10192748002	**AS-EFFLUENT**	EPA 624	MSV/20324		

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.

10192748

Section A **Required** Client Information:	Section B **Required** Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 / Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION ☐ GA ☐ _ ☐ NJ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ OTHER____

Section D **Required** Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	Section D SAMPLE ID	MATRIX CODE	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	Requested Analysis: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	5/17/12	10:55				3									X	001
2	AS-Effluent	W	G	5/17/12	11:00				3									X	002
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			PACE	5.18	13:00

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY)

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 15Feb2012 Page 1 of 1
	Document Number: **F-MN-L-213-rev.02**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark Project # 10192748

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

Tracking #: _____

Optional: Proj. Due Date: Proj. Name:

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

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____ Temp Blank: Yes ☒ No ☐

Thermometer Used 80344042 or 80512447 **Type of Ice:** Wet Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 4.0 **Biological Tissue is Frozen:** Yes No

Date and Initials of person examining contents: 5/21/12

Temp should be above freezing to 6°C **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 & Signature on COC:	☐Yes ☒No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐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.
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. Noncompliance are noted in 13.	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCL<2; NaOH >12)	☐Yes ☐No ☒N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒Yes ☐No	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): _____		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ **Date:** 5/21/12

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, Inc.
1700 Elm Street - Suite 200
Minneapolis, MN 55414
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June 22, 2012

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

RE: Project: CRC
Pace Project No.: 10195625

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on June 15, 2012. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
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(612)607-1700

CERTIFICATIONS

Project: CRC
Pace Project No.: 10195625

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
A2LA Certification #: 2926.01
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace
Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC
Pace Project No.: 10195625

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10195625001	**AS-Influent**	Water	06/14/12 10:00	06/15/12 11:53
10195625002	**AS-Effluent**	Water	06/14/12 10:05	06/15/12 11:53

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SAMPLE ANALYTE COUNT

Project: CRC
Pace Project No.: 10195625

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10195625001	**AS-Influent**	EPA 624	SE	74
10195625002	**AS-Effluent**	EPA 624	SE	74

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ANALYTICAL RESULTS

Project: CRC
Pace Project No.: 10195625

Sample: AS-Influent **Lab ID: 10195625001** Collected: 06/14/12 10:00 Received: 06/15/12 11:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	25.0	1		06/21/12 12:23	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/21/12 12:23	107-05-1	
Benzene	ND	ug/L	1.0	1		06/21/12 12:23	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/12 12:23	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/12 12:23	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/12 12:23	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/21/12 12:23	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/21/12 12:23	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		06/21/12 12:23	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/12 12:23	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/12 12:23	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		06/21/12 12:23	110-75-8	M1
Chloroform	ND	ug/L	1.0	1		06/21/12 12:23	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/21/12 12:23	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/12 12:23	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/12 12:23	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/21/12 12:23	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/12 12:23	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/12 12:23	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		06/21/12 12:23	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/12 12:23	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/12 12:23	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/12 12:23	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:23	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:23	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:23	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		06/21/12 12:23	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/21/12 12:23	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/12 12:23	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/21/12 12:23	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/12 12:23	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/21/12 12:23	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/21/12 12:23	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/21/12 12:23	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		06/21/12 12:23	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/21/12 12:23	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/12 12:23	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		06/21/12 12:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		06/21/12 12:23	108-10-1	

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ANALYTICAL RESULTS

Project: CRC
Pace Project No.: 10195625

Sample: AS-Influent **Lab ID: 10195625001** Collected: 06/14/12 10:00 Received: 06/15/12 11:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/12 12:23	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		06/21/12 12:23	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	103-65-1	
Styrene	ND	ug/L	1.0	1		06/21/12 12:23	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/12 12:23	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/12 12:23	79-34-5	
Tetrachloroethene	**39.0**	ug/L	1.0	1		06/21/12 12:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/21/12 12:23	109-99-9	
Toluene	ND	ug/L	1.0	1		06/21/12 12:23	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:23	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/12 12:23	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/12 12:23	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/21/12 12:23	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/12 12:23	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/21/12 12:23	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/21/12 12:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/21/12 12:23	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		06/21/12 12:23	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/21/12 12:23	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/12 12:23	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/12 12:23	95-47-6	
Surrogates								
Dibromofluoromethane (S)	100	%	75-125	1		06/21/12 12:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		06/21/12 12:23	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		06/21/12 12:23	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		06/21/12 12:23	460-00-4	

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ANALYTICAL RESULTS

Project: CRC
Pace Project No.: 10195625

Sample: AS-Effluent **Lab ID: 10195625002** Collected: 06/14/12 10:05 Received: 06/15/12 11:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	25.0	1		06/21/12 12:39	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/21/12 12:39	107-05-1	
Benzene	ND	ug/L	1.0	1		06/21/12 12:39	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/21/12 12:39	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/21/12 12:39	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/21/12 12:39	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/21/12 12:39	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/21/12 12:39	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		06/21/12 12:39	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		06/21/12 12:39	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/21/12 12:39	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		06/21/12 12:39	110-75-8	
Chloroform	ND	ug/L	1.0	1		06/21/12 12:39	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/21/12 12:39	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/21/12 12:39	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/21/12 12:39	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/21/12 12:39	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/21/12 12:39	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/21/12 12:39	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		06/21/12 12:39	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/21/12 12:39	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/21/12 12:39	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/21/12 12:39	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:39	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:39	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/21/12 12:39	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		06/21/12 12:39	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/21/12 12:39	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/21/12 12:39	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/21/12 12:39	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/21/12 12:39	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/21/12 12:39	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/21/12 12:39	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/21/12 12:39	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		06/21/12 12:39	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/21/12 12:39	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/21/12 12:39	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		06/21/12 12:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		06/21/12 12:39	108-10-1	

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ANALYTICAL RESULTS

Project: CRC
Pace Project No.: 10195625

Sample: AS-Effluent **Lab ID: 10195625002** Collected: 06/14/12 10:05 Received: 06/15/12 11:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/21/12 12:39	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		06/21/12 12:39	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	103-65-1	
Styrene	ND	ug/L	1.0	1		06/21/12 12:39	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/12 12:39	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/21/12 12:39	79-34-5	
Tetrachloroethene	**3.3**	ug/L	1.0	1		06/21/12 12:39	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/21/12 12:39	109-99-9	
Toluene	ND	ug/L	1.0	1		06/21/12 12:39	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/21/12 12:39	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/21/12 12:39	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/21/12 12:39	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/21/12 12:39	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/21/12 12:39	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/21/12 12:39	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/21/12 12:39	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/21/12 12:39	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		06/21/12 12:39	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/21/12 12:39	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		06/21/12 12:39	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		06/21/12 12:39	95-47-6	
Surrogates								
Dibromofluoromethane (S)	101	%	75-125	1		06/21/12 12:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		06/21/12 12:39	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		06/21/12 12:39	2037-26-5	
4-Bromofluorobenzene (S)	96	%	75-125	1		06/21/12 12:39	460-00-4	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

QC Batch: MSV/20543 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10195625001, 10195625002

METHOD BLANK: 1223012 Matrix: Water
Associated Lab Samples: 10195625001, 10195625002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1-Dichloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,1-Dichloroethene	ug/L	ND	1.0	06/21/12 12:09	
1,1-Dichloropropene	ug/L	ND	1.0	06/21/12 12:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/21/12 12:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	06/21/12 12:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/21/12 12:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/21/12 12:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
1,2-Dichloroethane	ug/L	ND	1.0	06/21/12 12:09	
1,2-Dichloropropane	ug/L	ND	4.0	06/21/12 12:09	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	06/21/12 12:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
1,3-Dichloropropane	ug/L	ND	1.0	06/21/12 12:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
2,2-Dichloropropane	ug/L	ND	4.0	06/21/12 12:09	
2-Butanone (MEK)	ug/L	ND	4.0	06/21/12 12:09	
2-Chloroethylvinyl ether	ug/L	ND	10.0	06/21/12 12:09	
2-Chlorotoluene	ug/L	ND	1.0	06/21/12 12:09	
4-Chlorotoluene	ug/L	ND	1.0	06/21/12 12:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	06/21/12 12:09	
Acetone	ug/L	ND	25.0	06/21/12 12:09	
Allyl chloride	ug/L	ND	4.0	06/21/12 12:09	
Benzene	ug/L	ND	1.0	06/21/12 12:09	
Bromobenzene	ug/L	ND	1.0	06/21/12 12:09	
Bromochloromethane	ug/L	ND	1.0	06/21/12 12:09	
Bromodichloromethane	ug/L	ND	1.0	06/21/12 12:09	
Bromoform	ug/L	ND	4.0	06/21/12 12:09	
Bromomethane	ug/L	ND	4.0	06/21/12 12:09	
Carbon tetrachloride	ug/L	ND	1.0	06/21/12 12:09	
Chlorobenzene	ug/L	ND	1.0	06/21/12 12:09	
Chloroethane	ug/L	ND	1.0	06/21/12 12:09	
Chloroform	ug/L	ND	1.0	06/21/12 12:09	
Chloromethane	ug/L	ND	4.0	06/21/12 12:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/21/12 12:09	
cis-1,3-Dichloropropene	ug/L	ND	4.0	06/21/12 12:09	
Dibromochloromethane	ug/L	ND	1.0	06/21/12 12:09	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

METHOD BLANK: 1223012 Matrix: Water

Associated Lab Samples: 10195625001, 10195625002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	4.0	06/21/12 12:09	
Dichlorodifluoromethane	ug/L	ND	1.0	06/21/12 12:09	
Dichlorofluoromethane	ug/L	ND	1.0	06/21/12 12:09	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/21/12 12:09	
Ethylbenzene	ug/L	ND	1.0	06/21/12 12:09	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	06/21/12 12:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/21/12 12:09	
m&p-Xylene	ug/L	ND	2.0	06/21/12 12:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/21/12 12:09	
Methylene Chloride	ug/L	ND	4.0	06/21/12 12:09	
n-Butylbenzene	ug/L	ND	1.0	06/21/12 12:09	
n-Propylbenzene	ug/L	ND	1.0	06/21/12 12:09	
Naphthalene	ug/L	ND	4.0	06/21/12 12:09	
o-Xylene	ug/L	ND	1.0	06/21/12 12:09	
p-Isopropyltoluene	ug/L	ND	1.0	06/21/12 12:09	
sec-Butylbenzene	ug/L	ND	1.0	06/21/12 12:09	
Styrene	ug/L	ND	1.0	06/21/12 12:09	
tert-Butylbenzene	ug/L	ND	1.0	06/21/12 12:09	
Tetrachloroethene	ug/L	ND	1.0	06/21/12 12:09	
Tetrahydrofuran	ug/L	ND	10.0	06/21/12 12:09	
Toluene	ug/L	ND	1.0	06/21/12 12:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/21/12 12:09	
trans-1,3-Dichloropropene	ug/L	ND	4.0	06/21/12 12:09	
Trichloroethene	ug/L	ND	1.0	06/21/12 12:09	
Trichlorofluoromethane	ug/L	ND	1.0	06/21/12 12:09	
Vinyl chloride	ug/L	ND	0.40	06/21/12 12:09	
Xylene (Total)	ug/L	ND	3.0	06/21/12 12:09	
1,2-Dichloroethane-d4 (S)	%	101	75-125	06/21/12 12:09	
4-Bromofluorobenzene (S)	%	97	75-125	06/21/12 12:09	
Dibromofluoromethane (S)	%	100	75-125	06/21/12 12:09	
Toluene-d8 (S)	%	95	75-125	06/21/12 12:09	

LABORATORY CONTROL SAMPLE: 1223013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	47.5	95	75-125	
1,1,1-Trichloroethane	ug/L	50	49.8	100	75-129	
1,1,2,2-Tetrachloroethane	ug/L	50	43.7	87	69-126	
1,1,2-Trichloroethane	ug/L	50	44.9	90	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	51.1	102	70-127	
1,1-Dichloroethane	ug/L	50	48.6	97	75-128	
1,1-Dichloroethene	ug/L	50	48.7	97	72-130	
1,1-Dichloropropene	ug/L	50	49.4	99	75-130	
1,2,3-Trichlorobenzene	ug/L	50	46.8	94	75-125	
1,2,3-Trichloropropane	ug/L	50	45.9	92	75-125	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

LABORATORY CONTROL SAMPLE: 1223013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	50	49.4	99	75-126	
1,2,4-Trimethylbenzene	ug/L	50	44.3	89	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	72-125	
1,2-Dibromoethane (EDB)	ug/L	50	45.8	92	75-125	
1,2-Dichlorobenzene	ug/L	50	46.5	93	75-125	
1,2-Dichloroethane	ug/L	50	49.9	100	75-125	
1,2-Dichloropropane	ug/L	50	47.7	95	75-125	
1,3,5-Trimethylbenzene	ug/L	50	44.4	89	75-125	
1,3-Dichlorobenzene	ug/L	50	45.9	92	75-125	
1,3-Dichloropropane	ug/L	50	45.7	91	75-125	
1,4-Dichlorobenzene	ug/L	50	46.0	92	75-125	
2,2-Dichloropropane	ug/L	50	50.2	100	75-133	
2-Butanone (MEK)	ug/L	50	43.9	88	62-132	
2-Chloroethylvinyl ether	ug/L	125	130	104	75-125	
2-Chlorotoluene	ug/L	50	43.6	87	74-126	
4-Chlorotoluene	ug/L	50	44.2	88	75-126	
4-Methyl-2-pentanone (MIBK)	ug/L	50	41.9	84	73-125	
Acetone	ug/L	125	125	100	35-150	
Allyl chloride	ug/L	50	50.3	101	71-139	
Benzene	ug/L	50	47.6	95	74-126	
Bromobenzene	ug/L	50	47.6	95	75-125	
Bromochloromethane	ug/L	50	50.3	101	75-125	
Bromodichloromethane	ug/L	50	47.8	96	75-125	
Bromoform	ug/L	50	45.3	91	75-126	
Bromomethane	ug/L	50	57.1	114	59-146	
Carbon tetrachloride	ug/L	50	49.5	99	72-133	
Chlorobenzene	ug/L	50	46.6	93	75-125	
Chloroethane	ug/L	50	45.8	92	73-138	
Chloroform	ug/L	50	47.4	95	75-125	
Chloromethane	ug/L	50	47.7	95	68-129	
cis-1,2-Dichloroethene	ug/L	50	48.0	96	75-125	
cis-1,3-Dichloropropene	ug/L	50	48.0	96	75-125	
Dibromochloromethane	ug/L	50	45.7	91	75-125	
Dibromomethane	ug/L	50	49.2	98	75-125	
Dichlorodifluoromethane	ug/L	50	48.9	98	75-150	
Dichlorofluoromethane	ug/L	50	47.0	94	75-128	
Diethyl ether (Ethyl ether)	ug/L	50	47.7	95	75-125	
Ethylbenzene	ug/L	50	45.6	91	75-125	
Hexachloro-1,3-butadiene	ug/L	25	25.1	100	61-133	
Isopropylbenzene (Cumene)	ug/L	50	45.6	91	75-125	
m&p-Xylene	ug/L	100	92.4	92	75-125	
Methyl-tert-butyl ether	ug/L	50	47.1	94	75-125	
Methylene Chloride	ug/L	50	46.5	93	75-125	
n-Butylbenzene	ug/L	50	41.9	84	72-130	
n-Propylbenzene	ug/L	50	45.1	90	74-129	
Naphthalene	ug/L	50	45.2	90	75-125	
o-Xylene	ug/L	50	45.0	90	75-125	
p-Isopropyltoluene	ug/L	50	44.6	89	73-130	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

LABORATORY CONTROL SAMPLE: 1223013

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/L	50	44.1	88	71-131	
Styrene	ug/L	50	45.4	91	75-125	
tert-Butylbenzene	ug/L	50	45.0	90	73-129	
Tetrachloroethene	ug/L	50	48.6	97	74-127	
Tetrahydrofuran	ug/L	500	423	85	71-127	
Toluene	ug/L	50	45.3	91	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	74-127	
trans-1,3-Dichloropropene	ug/L	50	45.0	90	75-125	
Trichloroethene	ug/L	50	51.4	103	75-125	
Trichlorofluoromethane	ug/L	50	50.5	101	75-150	
Vinyl chloride	ug/L	50	48.9	98	75-132	
Xylene (Total)	ug/L	150	137	92	75-125	
1,2-Dichloroethane-d4 (S)	%			97	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			95	75-125	

MATRIX SPIKE SAMPLE: 1223177

Parameter	Units	10195625001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	48.4	97	75-126	
1,1,1-Trichloroethane	ug/L	ND	50	53.0	106	75-141	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	43.6	87	68-129	
1,1,2-Trichloroethane	ug/L	ND	50	44.5	89	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	71.1	141	75-150	
1,1-Dichloroethane	ug/L	ND	50	51.3	103	75-139	
1,1-Dichloroethene	ug/L	ND	50	53.2	106	75-147	
1,1-Dichloropropene	ug/L	ND	50	53.4	107	75-150	
1,2,3-Trichlorobenzene	ug/L	ND	50	48.8	97	75-125	
1,2,3-Trichloropropane	ug/L	ND	50	46.0	92	71-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	50.5	101	75-127	
1,2,4-Trimethylbenzene	ug/L	ND	50	46.6	93	74-133	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	42.2	84	69-125	
1,2-Dibromoethane (EDB)	ug/L	ND	50	45.7	91	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,2-Dichloroethane	ug/L	ND	50	51.1	102	75-130	
1,2-Dichloropropane	ug/L	ND	50	48.8	98	75-129	
1,3,5-Trimethylbenzene	ug/L	ND	50	46.7	93	72-135	
1,3-Dichlorobenzene	ug/L	ND	50	48.3	97	75-125	
1,3-Dichloropropane	ug/L	ND	50	46.2	92	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	47.9	96	75-125	
2,2-Dichloropropane	ug/L	ND	50	53.6	107	75-150	
2-Butanone (MEK)	ug/L	ND	50	42.7	85	56-126	
2-Chloroethylvinyl ether	ug/L	ND	125	19.8	16	30-125	M1
2-Chlorotoluene	ug/L	ND	50	46.1	92	75-130	
4-Chlorotoluene	ug/L	ND	50	46.6	93	75-127	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	41.2	82	69-128	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

MATRIX SPIKE SAMPLE: 1223177

Parameter	Units	10195625001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	127	100	32-129	
Allyl chloride	ug/L	ND	50	53.9	108	61-150	
Benzene	ug/L	ND	50	49.8	100	75-135	
Bromobenzene	ug/L	ND	50	48.9	98	75-125	
Bromochloromethane	ug/L	ND	50	51.6	103	75-128	
Bromodichloromethane	ug/L	ND	50	48.6	97	75-127	
Bromoform	ug/L	ND	50	44.7	89	76-125	
Bromomethane	ug/L	ND	50	61.6	123	64-150	
Carbon tetrachloride	ug/L	ND	50	54.5	109	75-148	
Chlorobenzene	ug/L	ND	50	48.0	96	75-125	
Chloroethane	ug/L	ND	50	47.4	95	75-146	
Chloroform	ug/L	ND	50	50.1	100	75-131	
Chloromethane	ug/L	ND	50	48.4	97	73-141	
cis-1,2-Dichloroethene	ug/L	ND	50	50.5	101	75-136	
cis-1,3-Dichloropropene	ug/L	ND	50	48.1	96	75-130	
Dibromochloromethane	ug/L	ND	50	45.9	92	75-125	
Dibromomethane	ug/L	ND	50	49.1	98	75-125	
Dichlorodifluoromethane	ug/L	ND	50	69.9	140	75-150	
Dichlorofluoromethane	ug/L	ND	50	50.1	100	75-140	
Diethyl ether (Ethyl ether)	ug/L	ND	50	48.5	97	75-129	
Ethylbenzene	ug/L	ND	50	47.7	95	75-129	
Hexachloro-1,3-butadiene	ug/L	ND	25	25.9	104	72-139	
Isopropylbenzene (Cumene)	ug/L	ND	50	48.2	96	75-131	
m&p-Xylene	ug/L	ND	100	96.6	97	75-129	
Methyl-tert-butyl ether	ug/L	ND	50	48.3	97	75-131	
Methylene Chloride	ug/L	ND	50	48.0	96	74-125	
n-Butylbenzene	ug/L	ND	50	45.4	91	75-138	
n-Propylbenzene	ug/L	ND	50	48.1	96	75-134	
Naphthalene	ug/L	ND	50	46.1	92	75-125	
o-Xylene	ug/L	ND	50	46.9	94	75-128	
p-Isopropyltoluene	ug/L	ND	50	47.0	94	75-136	
sec-Butylbenzene	ug/L	ND	50	47.0	94	75-135	
Styrene	ug/L	ND	50	47.4	95	59-144	
tert-Butylbenzene	ug/L	ND	50	47.8	96	75-133	
Tetrachloroethene	ug/L	39.0	50	88.0	98	75-136	
Tetrahydrofuran	ug/L	ND	500	427	85	64-134	
Toluene	ug/L	ND	50	46.5	93	75-127	
trans-1,2-Dichloroethene	ug/L	ND	50	50.3	101	75-142	
trans-1,3-Dichloropropene	ug/L	ND	50	45.5	91	74-129	
Trichloroethene	ug/L	ND	50	53.5	107	75-136	
Trichlorofluoromethane	ug/L	ND	50	61.5	123	75-150	
Vinyl chloride	ug/L	ND	50	53.8	108	75-150	
Xylene (Total)	ug/L	ND	150	144	96	75-128	
1,2-Dichloroethane-d4 (S)	%				99	75-125	
4-Bromofluorobenzene (S)	%				97	75-125	
Dibromofluoromethane (S)	%				103	75-125	
Toluene-d8 (S)	%				93	75-125	

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QUALITY CONTROL DATA

Project: CRC
Pace Project No.: 10195625

SAMPLE DUPLICATE: 1223178

Parameter	Units	10195625002 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-Chloroethylvinyl ether	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	
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: CRC
Pace Project No.: 10195625

SAMPLE DUPLICATE: 1223178

Parameter	Units	10195625002 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	.08J		30	
o-Xylene	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	3.3	3.2	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)	%	101	101	.2		
4-Bromofluorobenzene (S)	%	96	97	.7		
Dibromofluoromethane (S)	%	101	101	.005		
Toluene-d8 (S)	%	97	95	2		

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QUALIFIERS

Project: CRC
Pace Project No.: 10195625

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

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.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

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.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC
Pace Project No.: 10195625

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10195625001	**AS-Influent**	EPA 624	MSV/20543		
10195625002	**AS-Effluent**	EPA 624	MSV/20543		

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CHAIN-OF-CUSTODY / Analytical

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

10195625

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Landmark Environmental	Report To: Jason Skramstad	Attention: Jason Skramstad
Address: 2042 W. 98th Street	Copy To: Eric Gabrielson	Company Name: Landmark Environmental, LLC
Bloomington, MN 55431		Address: 2042 W. 98th St., Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com	Purchase Order No.:	Pace Quote Reference:
Phone: 952-887-9601, ext 205 Fax: 952-887-9605	Project Name: City of Rochester	Pace Project Manager: Carolynne Trout
Requested Due Date/TAT: Normal	Project Number: CRC	Pace Profile #:

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA THER_____

SITE LOCATION

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL WP
WIPE	AR
AIR	OT
OTHER	TS
TISSUE	

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / ,-) One Character per box. IDs MUST BE UNIQUE	MATRIX CODE	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	Requested Analysis: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	6/14/12	10:00				3									X	10195625001
2	AS-Effluent	W	G	6/14/12	10:05				3									X	002
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Filtered (Y/N)

Requested Analysis

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			PACE	6/15/12	1:53

SAMPLE CONDITIONS

5.6	6	Y	Y
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY) 6/15/12

Pace Analytical®	Document Name: Sample Condition Upon Receipt Form	Revised Date: 15Feb2012 Page 1 of 1
	Document Number: F-MN-L-213-rev.02	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark Enviro Project # 10195625

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

Tracking #: _____

Optional: Proj. Due Date: / Proj. Name:

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

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

Thermometer Used (80344042) or 80512447 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 5.6 Biological Tissue Is Frozen: Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: M 9/15/12

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 & Signature on COC:	☑Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☑Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐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.
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. Noncompliance are noted in 13.	☐Yes ☐No ☑N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation. (HNO3, H2SO4, HCL<2; NaOH >12)	☐Yes ☐No ☑N/A	
Exceptions: (VOA) Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed AL 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):		

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] Date: 6-15-12

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)

Attachment C

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction (SVE) and/or Air Stripper (AS) Data Input Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 05/17/2012	Distance to Nearest Receptor (feet):	33	Distance to Nearest Receptor (feet):	33	
Person Completing Worksheet: KAB	SVE Stack Height (feet):	26.2	Air Stripper Stack Height (feet):	26.2	
Notes: Use this area to provide comments regarding the sampling event, input parameters, etc.	SVE Stack Flow Rate (SCFM[1]):	32	Air Stripper Influent Flow Rate (L/s):	0.037	
	Enter SVE Modeling Parameters (if applicable)		**Enter AS Modeling Parameters (if applicable)**		
	SVE Stack Diameter (inches):		AS Stack Diameter (inches):		
	SVE Stack Exit Velocity[2] (feet per second):		AS Stack Exit Velocity[2] (feet per second):		
	SVE Stack Exit Temperature (°F):		AS Stack Exit Temperature (°F):		
	SVE Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	
	SVE 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	

Chemical Name	CAS #	SVE Emission Concentration (µg/m^3)	SVE Emission Rate (µg/sec)	AS Influent Groundwater Concentration (µg/L)	AS Effluent Groundwater Concentration (µg/L)	Removal Factor (dimension-less)	AS Emission Rate (µg/sec)
Acetone	67-64-1	17	0				
Benzene	71-43-2						
Benzyl chloride	100-44-7						
Bromodichloromethane	75-27-4						
Bromoform	75-25-2						
Bromomethane (Methyl bromide)	74-83-9						
1,3-Butadiene	106-99-0						
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3						
Carbon disulfide	75-15-0						
Carbon tetrachloride	56-23-5						
Chlorobenzene	108-90-7						
Chloroethane (Ethyl chloride)	75-00-3						
Chloroform	67-66-3						
Chloromethane (Methyl chloride)	74-87-3						
Cyclohexane	110-82-7						
Dibromochloromethane	124-48-1						
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4						
1,2-Dichlorobenzene	95-50-1						
1,3-Dichlorobenzene	541-73-1						
1,4-Dichlorobenzene	106-46-7						
1,1-Dichloroethane	75-34-3						
1,2-Dichloroethane (DCA)	107-06-2						
1,1-Dichloroethene (DCE)	75-35-4						
cis-1,2-Dichloroethene	156-59-2	35	1				
trans-1,2-Dichloroethene	156-60-5						
Dichlorodifluoromethane (Freon 12)	75-71-8	2	0				
1,2-Dichloropropane	78-87-5						
cis-1,3-Dichloropropene	10061-01-5						
trans-1,3-Dichloropropene	10061-02-6						
Dichlorotetrafluoroethane (Freon 114)	76-14-2						
Ethanol	64-17-5	52	1				
Ethyl acetate	141-78-6	38	1				
Ethylbenzene	100-41-4						
4-Ethyltoluene	622-96-8						
n-Heptane	142-82-5						
Hexachloro-1,3-butadiene	87-68-3						
n-Hexane	110-54-3	2	0				
2-Hexanone (Methyl butyl ketone)	591-78-6						
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1						
Methylene chloride (Dichloromethane)	75-09-2						
Methyl-tert-butyl ether (MTBE)	1634-04-4						
Naphthalene	91-20-3	2	0				
2-Propanol (Isopropyl alcohol)	67-63-0						

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction (SVE) and/or Air Stripper (AS) Data Input Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 05/17/2012	Distance to Nearest Receptor (feet):	33	Distance to Nearest Receptor (feet):	33	
Person Completing Worksheet: KAB	SVE Stack Height (feet):	26.2	Air Stripper Stack Height (feet):	26.2	
Notes: Use this area to provide comments regarding the sampling event, input parameters, etc.	SVE Stack Flow Rate (SCFM[1]):	32	Air Stripper Influent Flow Rate (L/s):	0.037	
	Enter SVE Modeling Parameters (if applicable)		**Enter AS Modeling Parameters (if applicable)**		
	SVE Stack Diameter (inches):		AS Stack Diameter (inches):		
	SVE Stack Exit Velocity[2] (feet per second):		AS Stack Exit Velocity[2] (feet per second):		
	SVE Stack Exit Temperature (°F):		AS Stack Exit Temperature (°F):		
	SVE Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	
	SVE 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	

Chemical Name	CAS #	SVE Emission Concentration (µg/m^3)	SVE Emission Rate (µg/sec)	AS Influent Groundwater Concentration (µg/L)	AS Effluent Groundwater Concentration (µg/L)	Removal Factor (dimension-less)	AS Emission Rate (µg/sec)
Propylene (methylethylene or propene)	115-07-1						
Styrene	100-42-5						
1,1,2,2-Tetrachloroethane	79-34-5						
Tetrachloroethylene (PCE)	127-18-4	25,200	384	23	0	1.00	1
Tetrahydrofuran	109-99-9						
Toluene (Methylbenzene)	108-88-3	3	0				
1,2,4-Trichlorobenzene	120-82-1						
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	13	0				
1,1,2-Trichloroethane	79-00-5						
Trichloroethylene (TCE)	79-01-6	10	0				
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	25,500	389				
1,2,4-Trimethylbenzene	95-63-6	2	0				
1,3,5-Trimethylbenzene	108-67-8						
Vinyl acetate	108-05-4						
Vinyl chloride	75-01-4						
m&p-Xylene	108-38-3						
o-Xylene	95-47-6						

[1]SCFM = standard cubic feet per minute based on a standard temperature of 77° F (25° C, 298.15 K) and a standard pressure of 1 atmosphere (14.7 pounds per square inch, 29.92 inches of mercury, 760 millimeters of mercury).

[2]Provide stack exit velocity for actual exit conditions (i.e., at the actual temperature and pressure of the air being discharged).

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction and/or Air Stripper Risk Evaluation Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER
Sample Date: 05/17/2012
Person Completing Worksheet: KAB

Chemical Name	CAS #	Acute Mixtures Evaluation				Chronic Noncancer Mixtures Evaluation									Excess Lifetime Cancer Risk (guideline value = 1E-5)
		Acute Hazard Quotient	CNS	IRRIT	REPRO	Chronic Noncancer Hazard Quotient	CNS	CV/BLD	IMMUN	KIDN	LIVER/GI	REPRO	RESP	WHOLE BODY	
Acetone	67-64-1	0.0	0.0			0.0	0.0								
Benzene	71-43-2														
Benzyl chloride	100-44-7														
Bromodichloromethane	75-27-4														
Bromoform	75-25-2														
Bromomethane (Methyl bromide)	74-83-9														
1,3-Butadiene	106-99-0														
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3														
Carbon disulfide	75-15-0														
Carbon tetrachloride	56-23-5														
Chlorobenzene	108-90-7														
Chloroethane (Ethyl chloride)	75-00-3														
Chloroform	67-66-3														
Chloromethane (Methyl chloride)	74-87-3														
Cyclohexane	110-82-7														
Dibromochloromethane	124-48-1														
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4														
1,2-Dichlorobenzene	95-50-1														
1,3-Dichlorobenzene	541-73-1														
1,4-Dichlorobenzene	106-46-7														
1,1-Dichloroethane	75-34-3														
1,2-Dichloroethane (DCA)	107-06-2														
1,1-Dichloroethene (DCE)	75-35-4														
cis-1,2-Dichloroethene	156-59-2														
trans-1,2-Dichloroethene	156-60-5														
Dichlorodifluoromethane (Freon 12)	75-71-8					0.0					0.0				
1,2-Dichloropropane	78-87-5														
cis-1,3-Dichloropropene*	10061-01-5														
trans-1,3-Dichloropropene*	10061-02-6														
Dichlorotetrafluoroethane (Freon 114)	76-14-2														
Ethanol	64-17-5	0.0		0.0		0.0							0.0		
Ethyl acetate	141-78-6	0.0		0.0		0.0							0.0		
Ethylbenzene	100-41-4														
4-Ethyltoluene	622-96-8														
n-Heptane	142-82-5														
Hexachloro-1,3-butadiene	87-68-3														
n-Hexane	110-54-3					0.0	0.0						0.0		
2-Hexanone (Methyl butyl ketone)	591-78-6														
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1														
Methylene chloride (Dichloromethane)	75-09-2														
Methyl-tert-butyl ether (MTBE)	1634-04-4														
Naphthalene	91-20-3					0.0							0.0		
2-Propanol (Isopropyl alcohol)	67-63-0														
Propylene (methylethylene or propene)	115-07-1														
Styrene	100-42-5														
1,1,2,2-Tetrachloroethane	79-34-5														
Tetrachloroethylene (PCE)	127-18-4	0.0	0.0	0.0		0.0	0.0								3E-07
Tetrahydrofuran	109-99-9														

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction and/or Air Stripper Risk Evaluation Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER
Sample Date: 05/17/2012
Person Completing Worksheet: KAB

Chemical Name	CAS #	Acute Mixtures Evaluation				Chronic Noncancer Mixtures Evaluation									Excess Lifetime Cancer Risk (guideline value = 1E-5)
		Acute Hazard Quotient	CNS	IRRIT	REPRO	Chronic Noncancer Hazard Quotient	CNS	CV/BLD	IMMUN	KIDN	LIVER/GI	REPRO	RESP	WHOLE BODY	
Toluene (Methylbenzene)	108-88-3	0.0	0.0	0.0		0.0	0.0								
1,2,4-Trichlorobenzene	120-82-1														
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	0.0	0.0			0.0	0.0								
1,1,2-Trichloroethane	79-00-5														
Trichloroethylene (TCE)	79-01-6	0.0			0.0	0.0	0.0								8E-10
Trichlorofluoromethane (Freon 11)	75-69-4														
Trichlorotrifluoroethane (Freon 113)	76-13-1					0.0								0.0	
1,2,4-Trimethylbenzene	95-63-6					0.0		0.0							
1,3,5-Trimethylbenzene	108-67-8														
Vinyl acetate	108-05-4														
Vinyl chloride	75-01-4														
m&p-Xylene**	108-38-3														
o-Xylene**	95-47-6														
Hazard Index:			0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1E-07

NOTES:

* based on 1,3-Dichloropropene (CAS # 542-75-6)
** based on total Xylenes (CAS # 1330-20-7)

In general, total excess lifetime cancer risk is not to exceed 1E-5 and a hazard index (or chemical-specific hazard quotient) is not to exceed 1. The additive results are shown with one decimal point, which is intended to show transparency with the addition of risk but not to imply a level of precision greater than one significant figure. Risk managers may want to round to one significant figure when comparing to a cancer risk of 1E-5 or a hazard index of 1. Exceedance of these levels, which are bolded in text when met or exceeded, may require air emission controls.

CNS = Central Nervous System
CV/BLD = Cardiovascular or Blood System
IMMUN = Immune System
IRRIT = Irritant (nasal, eye, throat irritation)
KIDN = Kidney
LIVER/GI = Liver/Gastrointestinal
REPRO = Reproductive System, including developmental effects
RESP = Respiratory System

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction (SVE) and/or Air Stripper (AS) Data Input Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 06/14/2012	Distance to Nearest Receptor (feet):	33	Distance to Nearest Receptor (feet):	33	
Person Completing Worksheet: KAB	SVE Stack Height (feet):	26.2	Air Stripper Stack Height (feet):	26.2	
Notes: Use this area to provide comments regarding the sampling event, input parameters, etc.	SVE Stack Flow Rate (SCFM[1]):	39	Air Stripper Influent Flow Rate (L/s):	0.034	
	Enter SVE Modeling Parameters (if applicable)		**Enter AS Modeling Parameters (if applicable)**		
	SVE Stack Diameter (inches):		AS Stack Diameter (inches):		
	SVE Stack Exit Velocity[2] (feet per second):		AS Stack Exit Velocity[2] (feet per second):		
	SVE Stack Exit Temperature (°F):		AS Stack Exit Temperature (°F):		
	SVE Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	
	SVE 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	

Chemical Name	CAS #	SVE Emission Concentration (µg/m^3)	SVE Emission Rate (µg/sec)	AS Influent Groundwater Concentration (µg/L)	AS Effluent Groundwater Concentration (µg/L)	Removal Factor (dimension-less)	AS Emission Rate (µg/sec)
Acetone	67-64-1						
Benzene	71-43-2						
Benzyl chloride	100-44-7						
Bromodichloromethane	75-27-4						
Bromoform	75-25-2						
Bromomethane (Methyl bromide)	74-83-9						
1,3-Butadiene	106-99-0						
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3						
Carbon disulfide	75-15-0						
Carbon tetrachloride	56-23-5						
Chlorobenzene	108-90-7						
Chloroethane (Ethyl chloride)	75-00-3						
Chloroform	67-66-3						
Chloromethane (Methyl chloride)	74-87-3						
Cyclohexane	110-82-7						
Dibromochloromethane	124-48-1						
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4						
1,2-Dichlorobenzene	95-50-1						
1,3-Dichlorobenzene	541-73-1						
1,4-Dichlorobenzene	106-46-7						
1,1-Dichloroethane	75-34-3						
1,2-Dichloroethane (DCA)	107-06-2						
1,1-Dichloroethene (DCE)	75-35-4						
cis-1,2-Dichloroethene	156-59-2						
trans-1,2-Dichloroethene	156-60-5						
Dichlorodifluoromethane (Freon 12)	75-71-8						
1,2-Dichloropropane	78-87-5						
cis-1,3-Dichloropropene	10061-01-5						
trans-1,3-Dichloropropene	10061-02-6						
Dichlorotetrafluoroethane (Freon 114)	76-14-2						
Ethanol	64-17-5	742	13				
Ethyl acetate	141-78-6						
Ethylbenzene	100-41-4						
4-Ethyltoluene	622-96-8						
n-Heptane	142-82-5						
Hexachloro-1,3-butadiene	87-68-3						
n-Hexane	110-54-3						
2-Hexanone (Methyl butyl ketone)	591-78-6						
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1						
Methylene chloride (Dichloromethane)	75-09-2						
Methyl-tert-butyl ether (MTBE)	1634-04-4						
Naphthalene	91-20-3						
2-Propanol (Isopropyl alcohol)	67-63-0						

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction (SVE) and/or Air Stripper (AS) Data Input Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 06/14/2012	Distance to Nearest Receptor (feet):	33	Distance to Nearest Receptor (feet):	33	
Person Completing Worksheet: KAB	SVE Stack Height (feet):	26.2	Air Stripper Stack Height (feet):	26.2	
Notes: Use this area to provide comments regarding the sampling event, input parameters, etc.	SVE Stack Flow Rate (SCFM[1]):	39	Air Stripper Influent Flow Rate (L/s):	0.034	
	Enter SVE Modeling Parameters (if applicable)		**Enter AS Modeling Parameters (if applicable)**		
	SVE Stack Diameter (inches):		AS Stack Diameter (inches):		
	SVE Stack Exit Velocity[2] (feet per second):		AS Stack Exit Velocity[2] (feet per second):		
	SVE Stack Exit Temperature (°F):		AS Stack Exit Temperature (°F):		
	SVE Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS Annual Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	
	SVE 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	AS 1-hr Dispersion Factor ((µg/m^3)/g/s)	Contact MPCA	

Chemical Name	CAS #	SVE Emission Concentration (µg/m^3)	SVE Emission Rate (µg/sec)	AS Influent Groundwater Concentration (µg/L)	AS Effluent Groundwater Concentration (µg/L)	Removal Factor (dimension-less)	AS Emission Rate (µg/sec)
Propylene (methylethylene or propene)	115-07-1						
Styrene	100-42-5						
1,1,2,2-Tetrachloroethane	79-34-5						
Tetrachloroethylene (PCE)	127-18-4	11,200	204	39	3	0.92	1
Tetrahydrofuran	109-99-9						
Toluene (Methylbenzene)	108-88-3						
1,2,4-Trichlorobenzene	120-82-1						
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6						
1,1,2-Trichloroethane	79-00-5						
Trichloroethylene (TCE)	79-01-6						
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	29,200	531				
1,2,4-Trimethylbenzene	95-63-6						
1,3,5-Trimethylbenzene	108-67-8						
Vinyl acetate	108-05-4						
Vinyl chloride	75-01-4						
m&p-Xylene	108-38-3						
o-Xylene	95-47-6						

[1]SCFM = standard cubic feet per minute based on a standard temperature of 77° F (25° C, 298.15 K) and a standard pressure of 1 atmosphere (14.7 pounds per square inch, 29.92 inches of mercury, 760 millimeters of mercury).

[2]Provide stack exit velocity for actual exit conditions (i.e., at the actual temperature and pressure of the air being discharged).

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction and/or Air Stripper Risk Evaluation Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER
Sample Date: 06/14/2012
Person Completing Worksheet: KAB

Chemical Name	CAS #	Acute Mixtures Evaluation				Chronic Noncancer Mixtures Evaluation									Excess Lifetime Cancer Risk (guideline value = 1E-5)
		Acute Hazard Quotient	CNS	IRRIT	REPRO	Chronic Noncancer Hazard Quotient	CNS	CV/BLD	IMMUN	KIDN	LIVER/GI	REPRO	RESP	WHOLE BODY	
Acetone	67-64-1														
Benzene	71-43-2														
Benzyl chloride	100-44-7														
Bromodichloromethane	75-27-4														
Bromoform	75-25-2														
Bromomethane (Methyl bromide)	74-83-9														
1,3-Butadiene	106-99-0														
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3														
Carbon disulfide	75-15-0														
Carbon tetrachloride	56-23-5														
Chlorobenzene	108-90-7														
Chloroethane (Ethyl chloride)	75-00-3														
Chloroform	67-66-3														
Chloromethane (Methyl chloride)	74-87-3														
Cyclohexane	110-82-7														
Dibromochloromethane	124-48-1														
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4														
1,2-Dichlorobenzene	95-50-1														
1,3-Dichlorobenzene	541-73-1														
1,4-Dichlorobenzene	106-46-7														
1,1-Dichloroethane	75-34-3														
1,2-Dichloroethane (DCA)	107-06-2														
1,1-Dichloroethene (DCE)	75-35-4														
cis-1,2-Dichloroethene	156-59-2														
trans-1,2-Dichloroethene	156-60-5														
Dichlorodifluoromethane (Freon 12)	75-71-8														
1,2-Dichloropropane	78-87-5														
cis-1,3-Dichloropropene*	10061-01-5														
trans-1,3-Dichloropropene*	10061-02-6														
Dichlorotetrafluoroethane (Freon 114)	76-14-2														
Ethanol	64-17-5	0.0		0.0		0.0							0.0		
Ethyl acetate	141-78-6														
Ethylbenzene	100-41-4														
4-Ethyltoluene	622-96-8														
n-Heptane	142-82-5														
Hexachloro-1,3-butadiene	87-68-3														
n-Hexane	110-54-3														
2-Hexanone (Methyl butyl ketone)	591-78-6														
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1														
Methylene chloride (Dichloromethane)	75-09-2														
Methyl-tert-butyl ether (MTBE)	1634-04-4														
Naphthalene	91-20-3														
2-Propanol (Isopropyl alcohol)	67-63-0														
Propylene (methylethylene or propene)	115-07-1														
Styrene	100-42-5														
1,1,2,2-Tetrachloroethane	79-34-5														
Tetrachloroethylene (PCE)	127-18-4	0.0	0.0	0.0		0.0	0.0								2E-07
Tetrahydrofuran	109-99-9														

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		Acute Hazard Quotient	CNS	IRRIT	REPRO	Chronic Noncancer Hazard Quotient	CNS	CV/BLD	IMMUN	KIDN	LIVER/GI	REPRO	RESP	WHOLE BODY	
Toluene (Methylbenzene)	108-88-3														
1,2,4-Trichlorobenzene	120-82-1														
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6														
1,1,2-Trichloroethane	79-00-5														
Trichloroethylene (TCE)	79-01-6														
Trichlorofluoromethane (Freon 11)	75-69-4														
Trichlorotrifluoroethane (Freon 113)	76-13-1					0.0								0.0	
1,2,4-Trimethylbenzene	95-63-6														
1,3,5-Trimethylbenzene	108-67-8														
Vinyl acetate	108-05-4														
Vinyl chloride	75-01-4														
m&p-Xylene**	108-38-3														
o-Xylene**	95-47-6														
Hazard Index:			0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6E-07

NOTES:

* based on 1,3-Dichloropropene (CAS # 542-75-6)
** based on total Xylenes (CAS # 1330-20-7)

In general, total excess lifetime cancer risk is not to exceed 1E-5 and a hazard index (or chemical-specific hazard quotient) is not to exceed 1. The additive results are shown with one decimal point, which is intended to show transparency with the addition of risk but not to imply a level of precision greater than one significant figure. Risk managers may want to round to one significant figure when comparing to a cancer risk of 1E-5 or a hazard index of 1. Exceedance of these levels, which are bolded in text when met or exceeded, may require air emission controls.

CNS = Central Nervous System
CV/BLD = Cardiovascular or Blood System
IMMUN = Immune System
IRRIT = Irritant (nasal, eye, throat irritation)
KIDN = Kidney
LIVER/GI = Liver/Gastrointestinal
REPRO = Reproductive System, including developmental effects
RESP = Respiratory System