January 25, 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 November 21, 2011, monitoring event, as well as quarterly groundwater monitoring data from samples collected on November 21, 2011.

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 and takes 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.

On December 2, 2011, the DPE system shut down due to a low inlet vacuum alarm. Oil was observed leaking from the DPE pump. On December 12, 2011, Landmark and John Henry Foster removed the DPE pump for repair. John Henry Foster replaced several gaskets and o-

rings inside the pump. The pump was reinstalled on January 20, 2012, and the DPE system was restarted.

System Operational Results

When comparing the November 21, 2011, 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 268,469 ug/m^3, a decrease of 98.2 percent (See Figures 4A and 4B, and Tables 2 and 3). PCE concentrations decreased from 11,600,000 ug/m^3 to 22,100 ug/m^3, a decrease of 99.8 percent from the baseline concentration (See Figures 4A and 4B, and Tables 2 and 3). The PCE concentrations from the November 21, 2011, 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 and PCE concentrations increased to 268,469 ug/m^3 and 22,100 ug/m^3 on November 21, 2011.

The DPE system removed 32.93 pounds of total VOCs, including 2.71 pounds from PCE, from October 27, 2011, through November 21, 2011 (see Figure 5 and Table 2). Through November 21, 2011, the DPE system has removed a total of 3,422.28 pounds of total VOCs and 2,636.65 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 October 27, 2011, through November 21, 2011, 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 was 0.55 pounds on November 21, 2011. 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 October 27 through November 21, 2011 (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 November 21, 2011. After approximately two years of DPE system operation, the PCE concentrations have decreased at all of the monitoring and DPE wells, except for MW-19. However, the VOC concentrations at MW-19 were low when the DPE system operation started, and the concentration of PCE has only increased from 2.4 to 2.7 micrograms per liter (ug/L) (see Figures 9A and 9B, and Table 9). The PCE concentration at MW-19 is still below the Minnesota department of Health's Health Risk Limit (HRL) of 5 micrograms per liter (ug/L). The associated percent decrease of PCE concentration at each well is listed as follows: MW-14 (95.1%), MW-15 (100.0%), MW-16 (99.5%), MW-17 (70.8%), MW-18 (98.6%), MW-20 (94.6%), DPE-1 (99.8%), DPE-2 (97.7%), DPE-3 (96.5%), DPE-4 (97.9%), DPE-5 (96.2%), DPE-6 (99.0%), DPE-7 (100.0%) and DPE-8 (97.3%). Increased concentrations of PCE, when compared to the August 2011 groundwater data were observed at MW-20, DPE-3, and DPE-5. Figure 10 shows the iso-concentration contour map for PCE during the November 21, 2011, 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 November 21, 2011, the DPE system removed 3,422.28 pounds of total VOCs, including 2,637 pounds of PCE from the subsurface.

- When comparing the November 21, 2011, concentrations to the baseline emissions data from April 9, 2009, the total VOC and PCE concentrations have decreased 98.2 and 99.8 percent.

- The DPE system removed 32.98 pounds of total VOCs, including 2.71 pounds of PCE from October 27, through November 21, 2011.

- An increase in total VOC and PCE concentrations and mass removal was observed as a

result of 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.

- Although seasonal fluctuations and DPE system shutdown periods have contributed to increases in the groundwater elevations, sequential operation of all DPE system wells has effectively lowered the water table at the Property. After switching the operational configuration on September 8, 2011, to focus DPE-1, DPE-2, DPE-3, and DPE-4, the groundwater elevations at all of the wells have been decreasing at a faster rate.

- DPE system operation has effectively decreased the concentrations of PCE in the groundwater at the following wells: MW-14 (95.1%), MW-15 (100%), MW-16 (99.5%), MW-17 (70.8%), MW-18 (98.6%), MW-20 (94.6%), DPE-1 (99.8%), DPE-2 (97.7%), DPE-3 (96.5%), DPE-4 (97.9%), DPE-5 (96.2%), DPE-6 (99%), DPE-7 (100%) and DPE-8 (97.3%).

Recommendations

Landmark recommends continued operation of the DPE system at DPE-1, DPE-2, DPE-3, and DPE-4 to see if the groundwater elevations on the Property continue to decrease at a faster rate, exposing potential subsurface contamination closer to the bottom of the wells. Monthly system operational, analytical, and fluid level data will be collected to better evaluate the system's effectiveness at accomplishing remedial goals, and to make adjustments as necessary to increase effectiveness. This data will be carefully monitored and analyzed, and system adjustments will be made to maintain efficient mass recovery. DPE system emissions rates will continue to be evaluated to ensure the MPCA's acute and chronic risk criteria are not exceeded. Groundwater monitoring will continue on a quarterly basis to assist in evaluating the effect of the DPE system on VOC concentrations in the groundwater. The monthly DPE system operational results and the groundwater monitoring results will continue to be submitted to the MPCA on a quarterly basis.

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

List of Figures

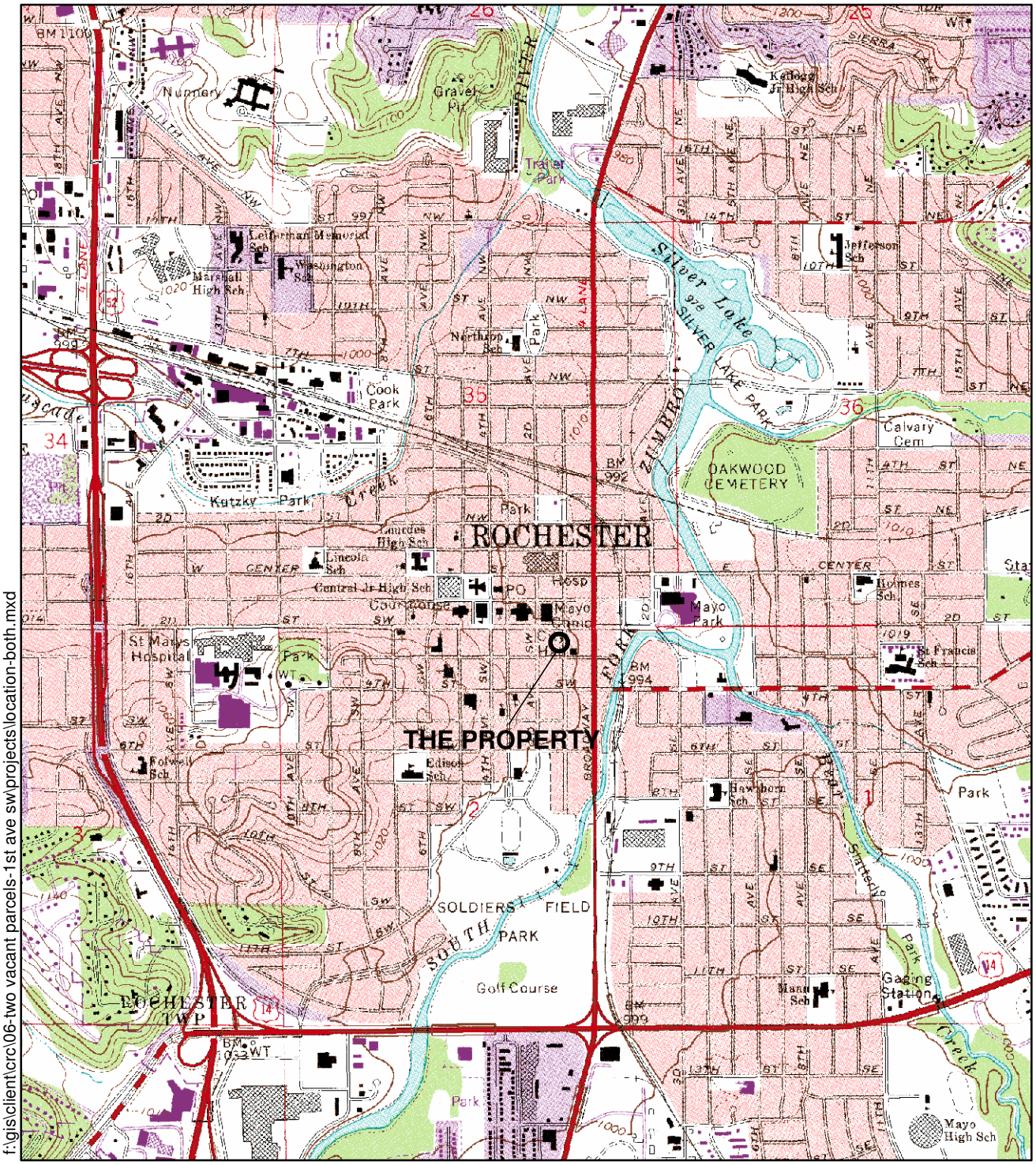
List of Tables

Attachment A

Attachment B

Attachment C

Figures



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

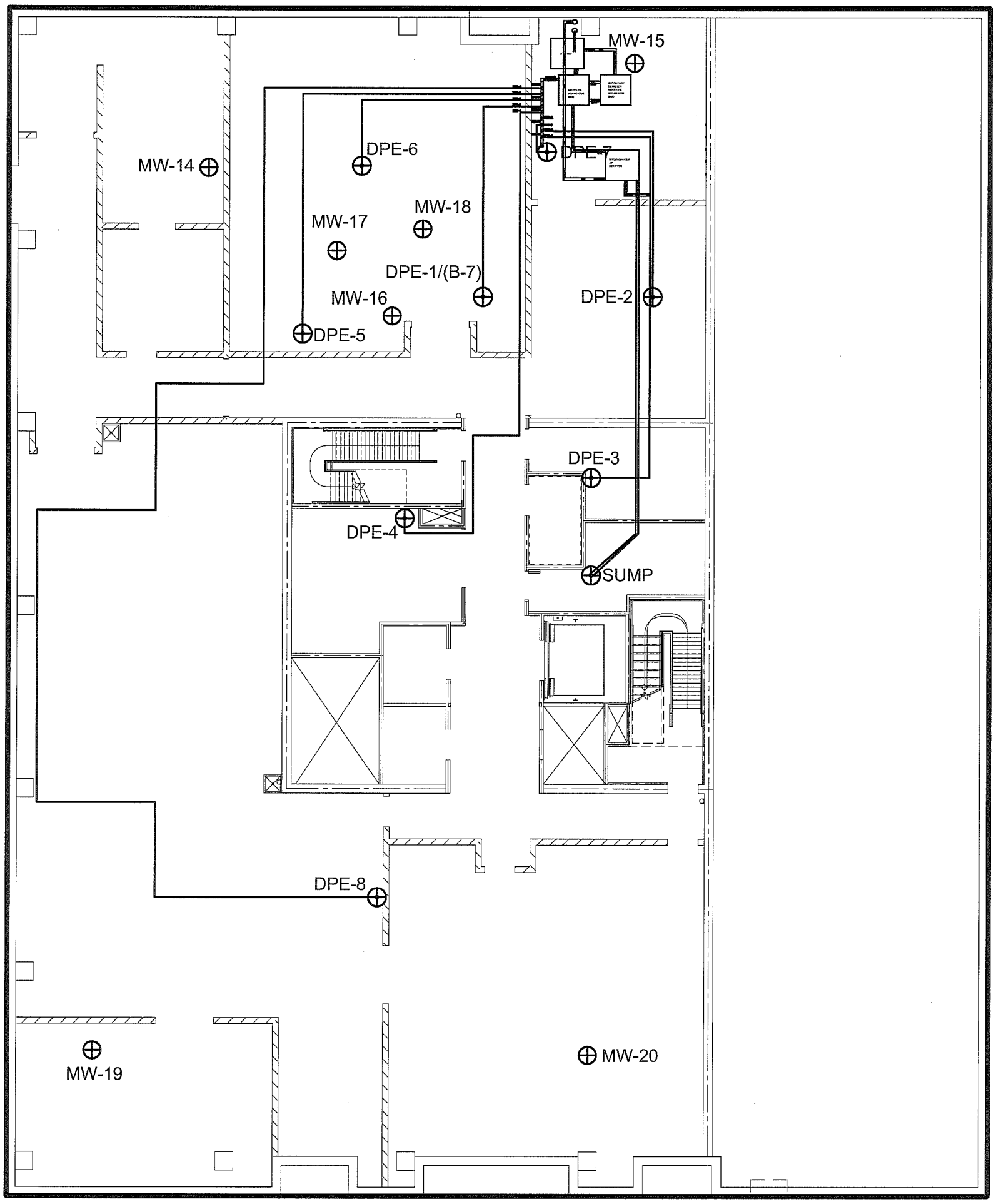
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

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

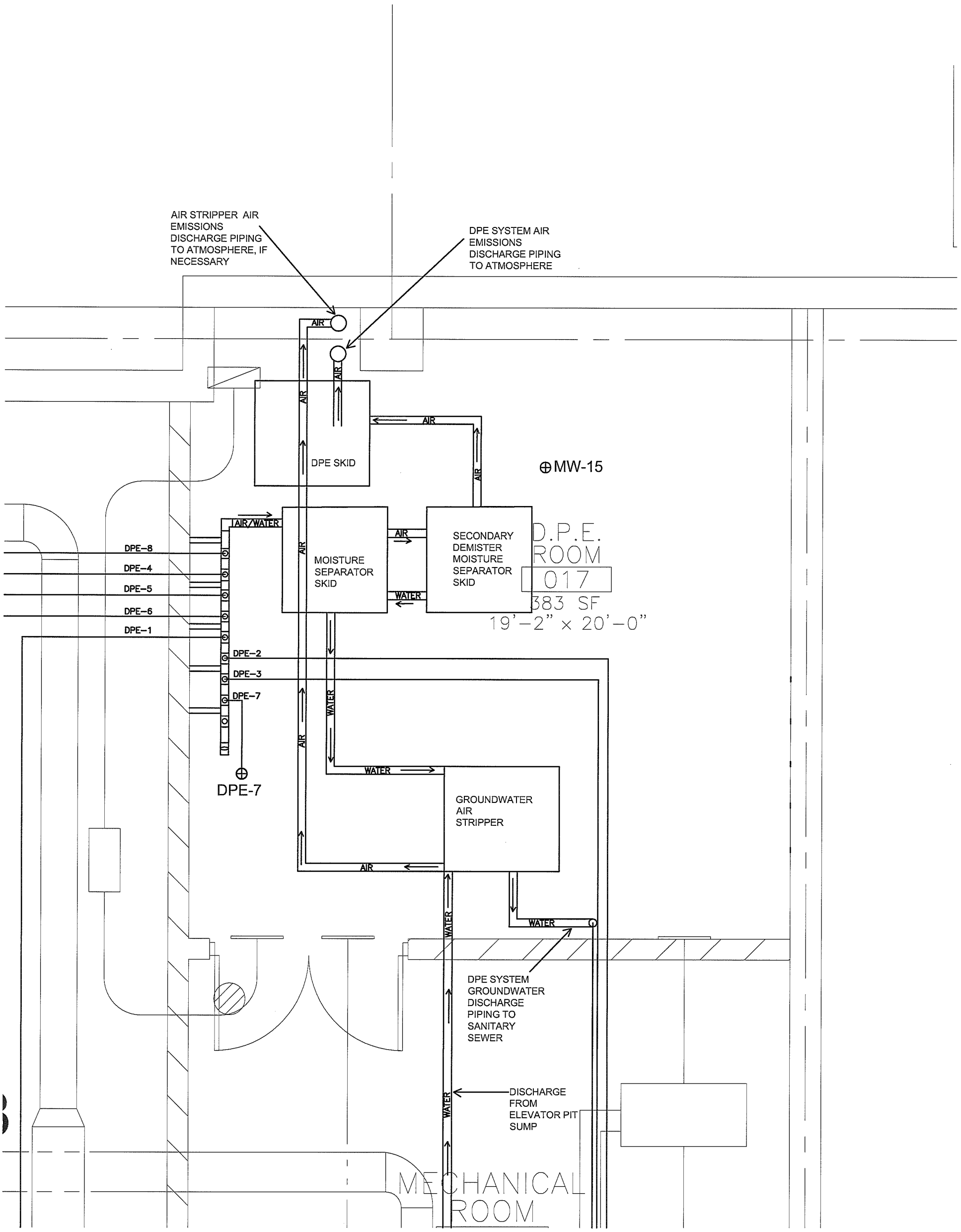
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

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

Existing DPE Piping Location

AIR — Proposed Air Emissions Piping Location

WATER — Proposed Groundwater Discharge Piping Location

N

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

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2042 West 98th Street
Bloomington, MN 55431

FIGURE 3

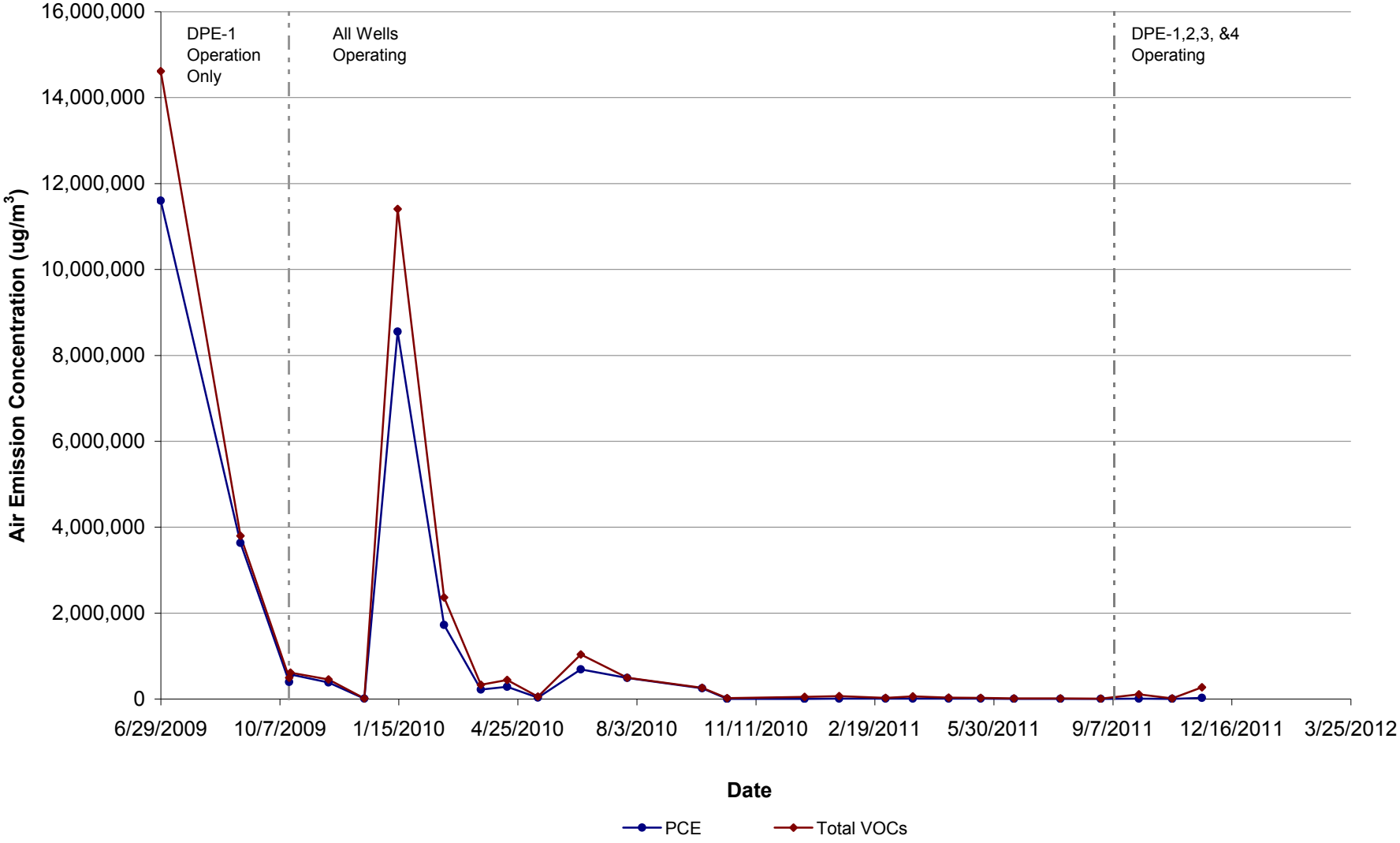
DPE ROOM LAYOUT

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



F:\PROJECTS\Crc-City of Rochester\data tables\system OM data

1/25/2012

FIGURE 4B

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

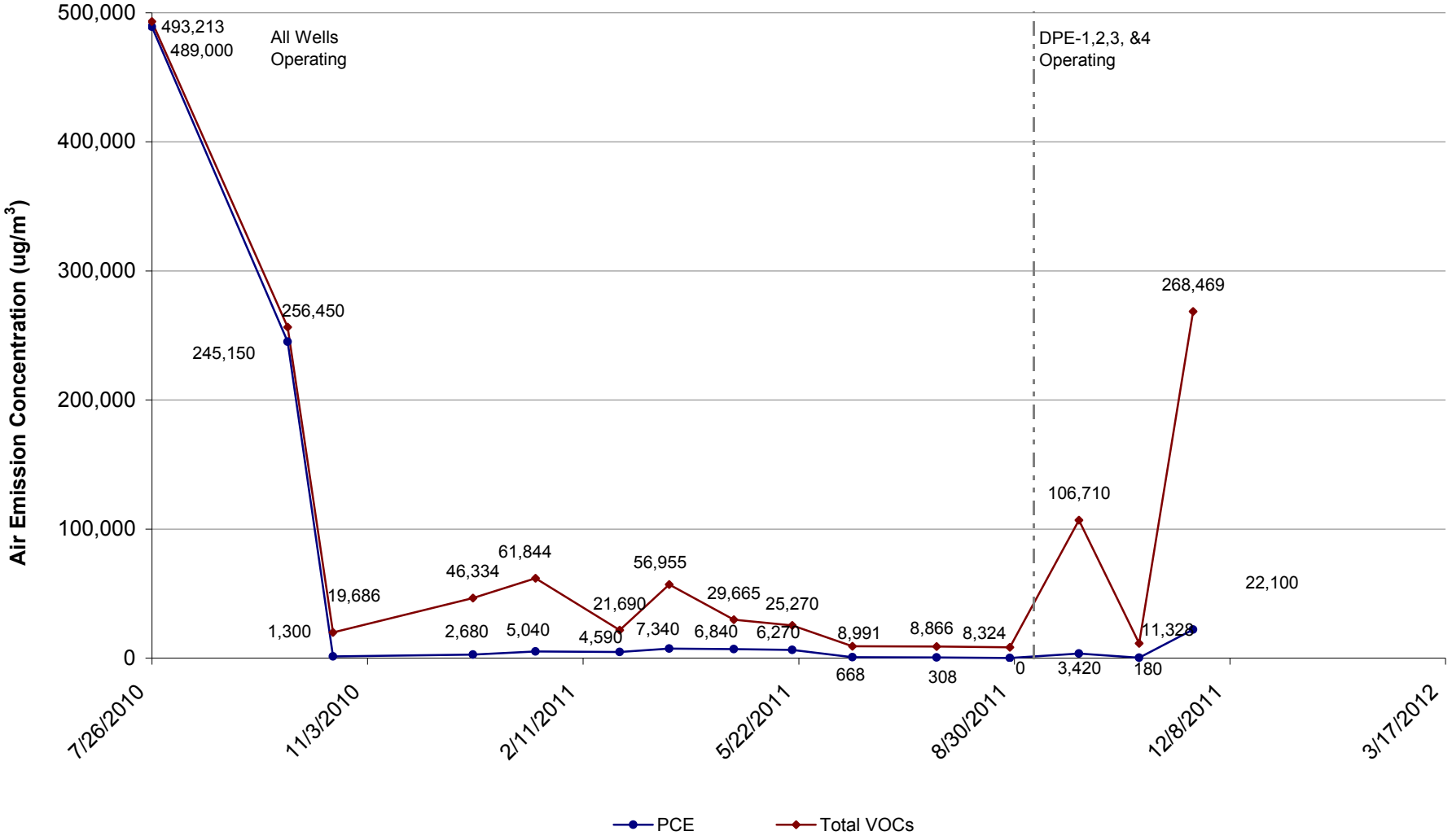


FIGURE 5

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

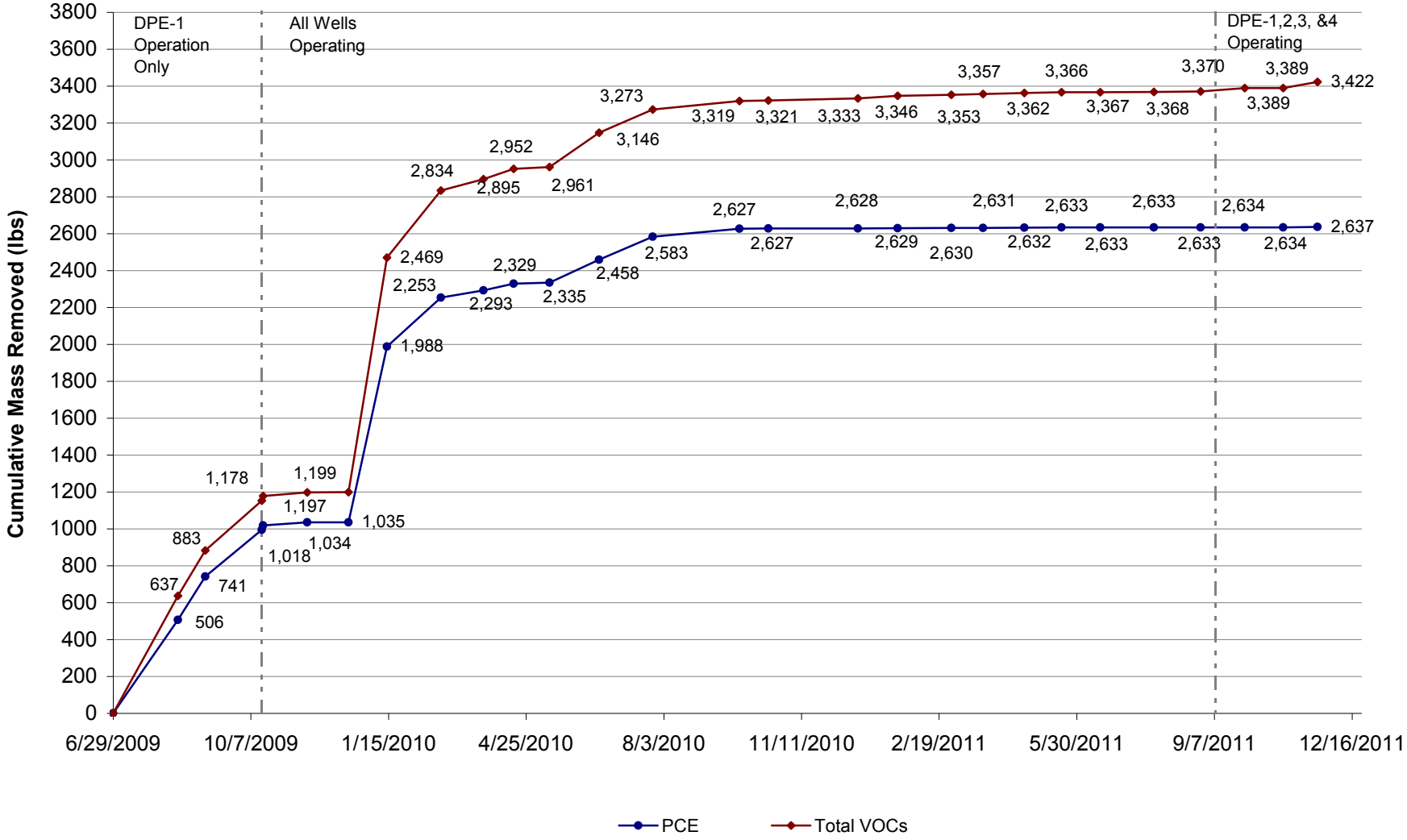


FIGURE 6

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

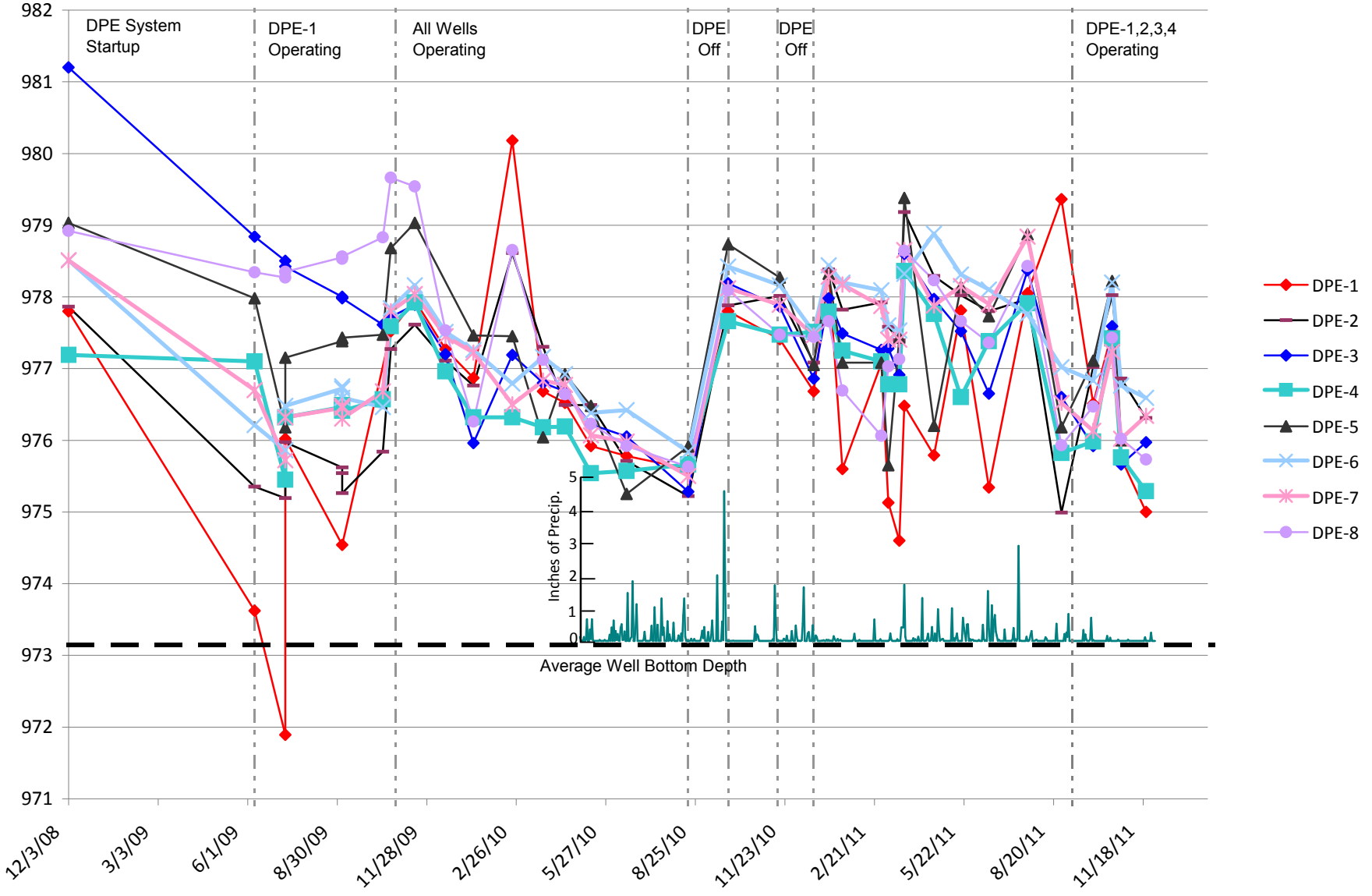
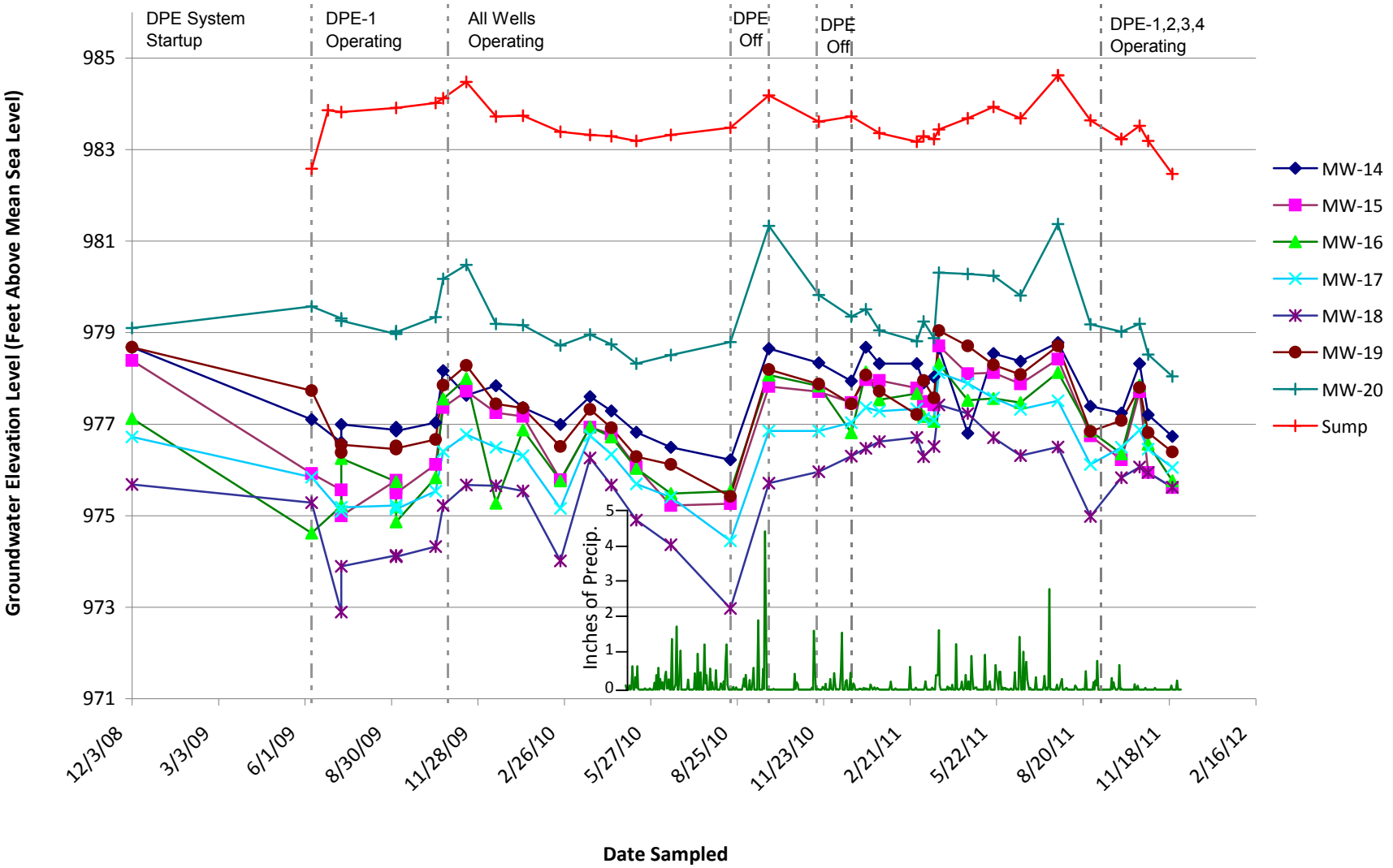


FIGURE 7

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



(975.61)
MW-15

(976.59)
DPE-6

DPE-7
(976.34)

MW-14
(976.73)

(976.05)
MW-17

976
MW-18
(975.62)

DPE-1/(B-7)
(975.00)

(975.76)
MW-16

DPE-2
(976.31)

(975.28)
DPE-5

976

976

DPE-3
(975.97)

DPE-4
(975.29)

976

976

976

977

DPE-8
(975.73)

976

977

MW-19
(976.39)

MW-20
(978.04)

LEGEND

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

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

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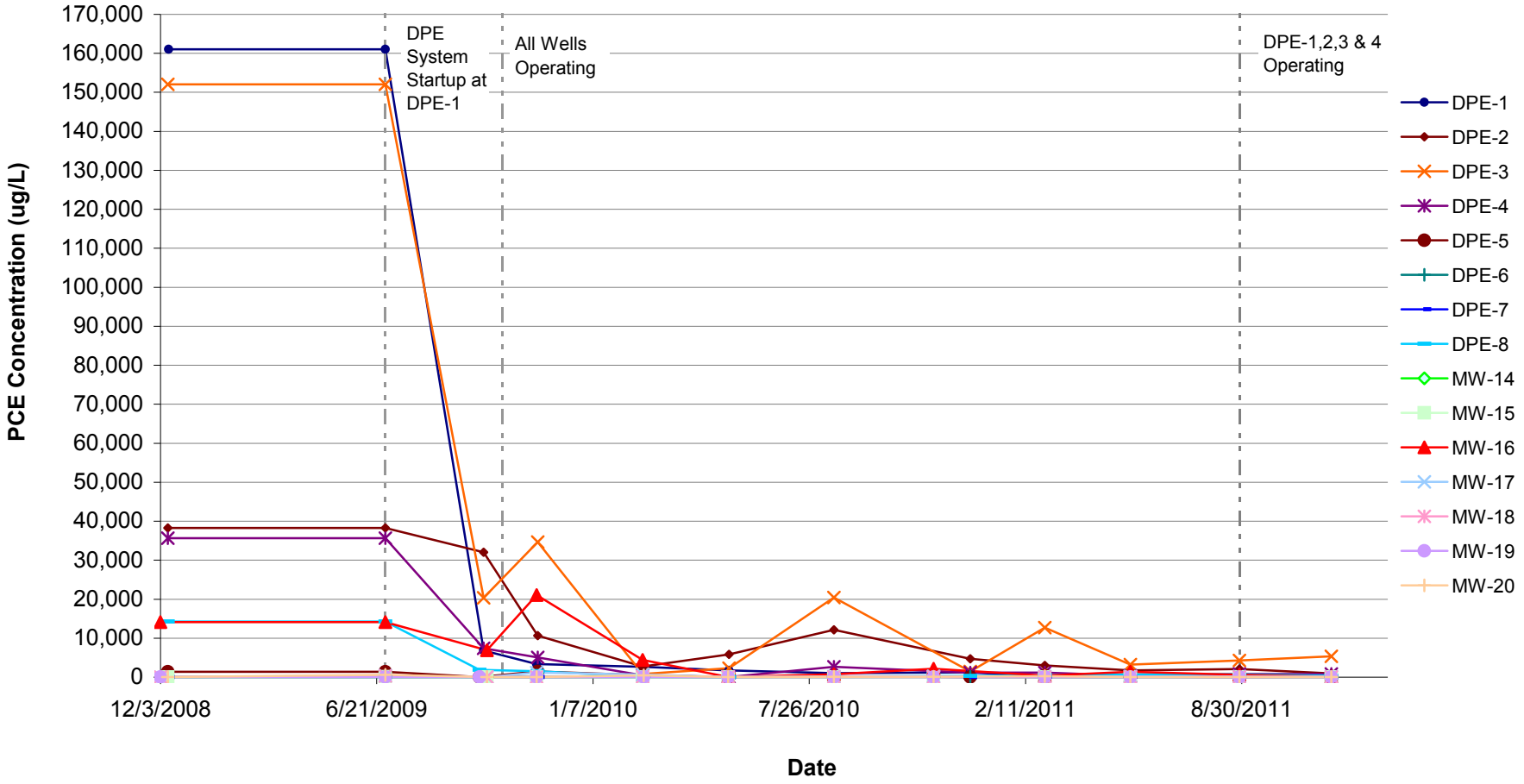
FIGURE 8
GROUNDWATER FLOW INTERPRETATION-
November 2011

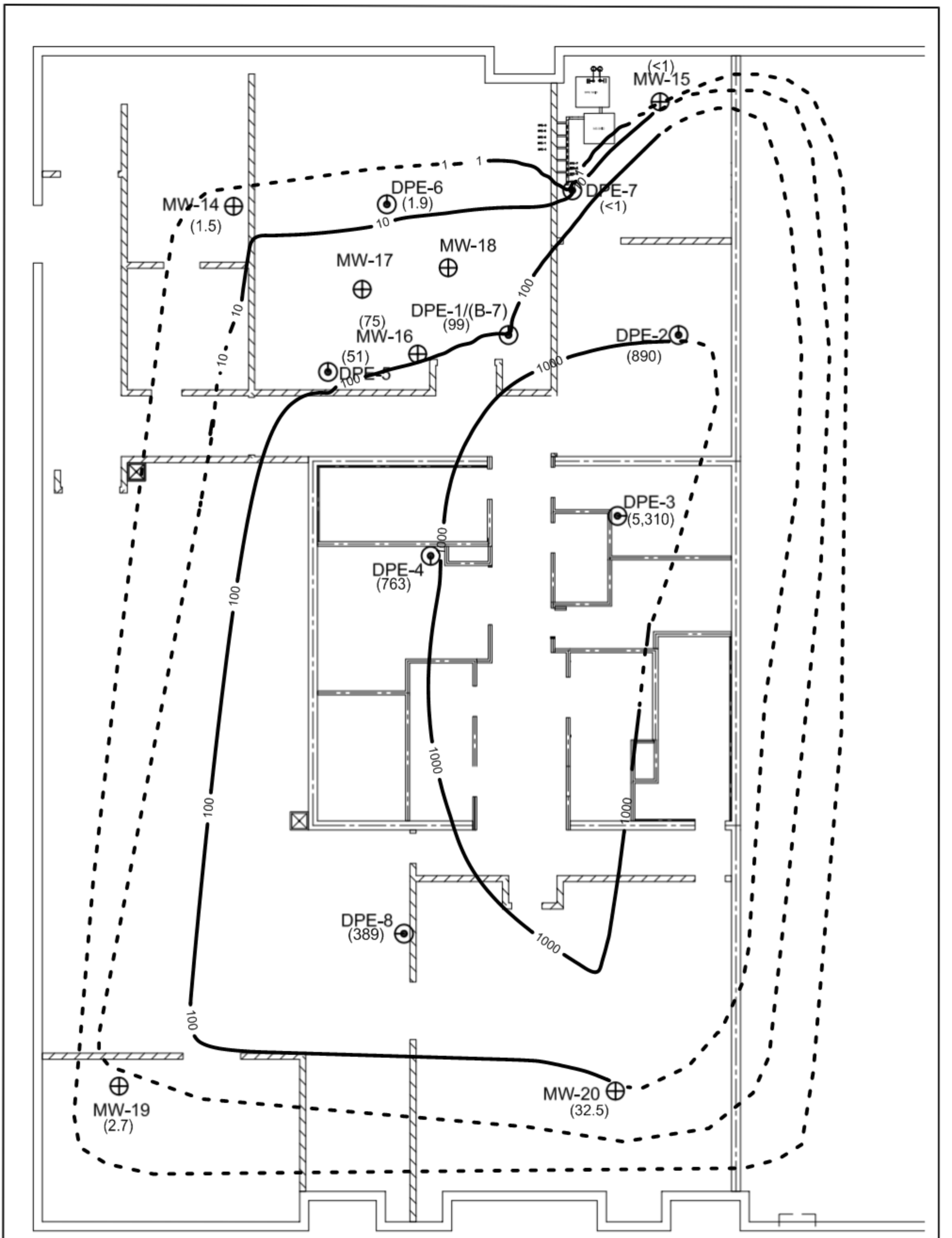
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: . 11/21/2011	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





LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location
- (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 used in the contouring calculations.

N

10 feet
SCALE

BASE DRAWING PROVIDED BY HGA

Rev	Date	By	Description

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

FIGURE 10
SHALLOW PCE GROUNDWATER CONCENTRATION INTERPRETATION
NOVEMBER 2011
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAB	Checked: JDS	Designed: JDS	
Scale: .	Date: . 12/5/2011	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
221 1st Avenue SW
Rochester, Minnesota

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	12:00	NA	NA	Off/On	Landmark and JHF onsite to reinstall the DPE pump and restart the DPE system.

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	331,284	60.93	2,895.20	215,000	39.54	2292.96
3/25/2010	4/16/2010	All Wells	5308	440	77.9	438,730	56.37	2,951.57	282,000	36.23	2329.19
4/16/2010	5/12/2010	All Wells	5908	600	86.9	50,553	9.88	2,961.45	27,900	5.45	2334.64
5/12/2010	6/17/2010	All Wells	6768	860	55.6	1,032,070	184.99	3,146.44	689,000	123.50	2458.14
6/17/2010	7/26/2010	All Wells	7671	903	75.6	493,213	126.21	3,272.65	489,000	125.14	2583.28
7/26/2010	9/27/2010[8]	All Wells	8222	551	86.8	256,450	45.98	3,318.63	245,150	43.95	2627.23
9/27/2010	10/18/2010	All Wells	8662	440	77.4	19,686	2.51	3,321.14	1,300	0.17	2627.39
10/18/2010	12/22/2010	All Wells	9378	716	94.1	46,334	11.70	3,332.84	2,680	0.68	2628.07
12/22/2010	1/20/2011	All Wells	10034	656	88.0	61,844	13.38	3,346.23	5,040	1.09	2629.16
1/20/2011	2/28/2011	All Wells	10969	935	83.1	21,690	6.32	3,352.55	4,590	1.34	2630.50
2/28/2011	3/23/2011	All Wells	11277	308	64.8	56,955	4.26	3,356.80	7,340	0.55	2631.05
3/23/2011	4/22/2011	All Wells	11995	718	65.8	29,665	5.25	3,362.05	6,840	1.21	2632.26
4/22/2011	5/19/2011	All Wells	12645	650	61.3	25,270	3.77	3,365.82	6,270	0.94	2633.19
5/19/2011	6/16/2011	All Wells	13314	669	56.4	8,991	1.27	3,367.10	668	0.09	2633.29
6/16/2011	7/25/2011	All Wells	14169	855	59.5	8,866	1.69	3,368.79	308	0.06	2633.35
7/25/2011	8/28/2011	All Wells	14962	793	68.7	8,324	1.70	3,370.49	0	0.00	2633.35
8/28/2011	9/29/2011	DPE-1, 2, 3, & 4	15722	760	59.9	106,710	18.21	3,388.70	3,420	0.58	2633.93
9/29/2011	10/27/2011	DPE-1, 2, 3, & 4	16013	291	52.3	11,328	0.65	3,389.34	180	0.01	2633.94
10/27/2011	11/21/2011	DPE-1, 2, 3, & 4	16619	606	54.0	268,469	32.93	3,422.28	22,100	2.71	2636.65

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 1627	DPE-EXHAUST 1105251-01	DPE-EXHAUST 1214	DPE-EXHAUST 0260	DPE-EXHAUST 1571
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	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	11/21/2011	10/27/2011	9/29/2011	8/28/2011	7/25/2011
1,1,1-Trichloroethane	<260	<14	<33.9	<41.4	<39.6
1,1,2,2-Tetrachloroethane	<165	<17	<21.5	<26.2	<25.1
1,1,2-Trichloroethane	<130	<14	<16.9	<20.7	<19.8
1,1,2-Trichlorotrifluoroethane	**244,000**	**11,000**	**103,000**	**8,150**	**8,250**
1,1-Dichloroethane	<194	<10	<25.3	<30.8	<29.5
1,1-Dichloroethene	<192	<10	<24.9	<30.5	<29.2
1,2,4-Trichlorobenzene	<234	<18	<30.5	<37.2	<35.6
1,2,4-Trimethylbenzene	<237	<4.9	**50.5**	<37.6	<36.0
1,2-Dibromoethane (EDB)	<379	<19	<49.3	<60.2	<57.6
1,2-Dichlorobenzene	<284	<15	<37.0	<45.1	<43.2
1,2-Dichloroethane	<97.1	<10	<12.6	<15.4	<14.8
1,2-Dichloropropane	<223	<12	<29.0	<35.3	<33.8
1,3,5-Trimethylbenzene	<237	<4.9	<30.8	<37.6	<36.0
1,3-Butadiene	<107	<5.5	<13.9	<16.9	<16.2
1,3-Dichlorobenzene	<284	<15	<37.0	<45.1	<43.2
1,4-Dichlorobenzene	<284	<15	<37.0	<45.1	<43.2
2-Butanone (MEK)	**343**	**11**	**80.1**	<22.6	**27.1**
2-Hexanone	<197	<10	<25.6	<31.2	<29.9
2-Propanol	<592	**16**	<77.0	<94.0	<90.0
4-Ethyltoluene	<592	<12	<77.0	<94.0	<90.0
4-Methyl-2-pentanone (MIBK)	<197	<10	<25.6	<31.2	<29.9
Acetone	**693**	**25**	**58.3**	**53.1**	**83.1**
Benzene	<77.0	<3.2	<10.0	<12.2	<11.7
Benzyl chloride	<249	<13	<32.3	<39.5	<37.8
Bromodichloromethane	<332	<17	<43.1	<52.6	<50.4
Bromoform	<497	<26	<64.7	<79.0	<75.6
Bromomethane	<187	<9.5	<24.3	<29.7	<28.4
Carbon disulfide	<149	<8.0	<19.4	<23.7	<22.7
Carbon tetrachloride	<152	<16	<19.7	<24.1	<23.0
Chlorobenzene	<223	<12	<29.0	<35.3	<33.8
Chloroethane	<128	<6.5	<16.6	<20.3	<19.4
Chloroform	<234	<12	<30.5	<37.2	<35.6
Chloromethane	<99.5	<5.0	<12.9	<15.8	<15.1
cis-1,2-Dichloroethene	**262**	<10	**49.1**	<30.5	<29.2
cis-1,3-Dichloropropene	<218	<12	<28.3	<34.6	<33.1
Cyclohexane	<161	<8.5	<20.9	<25.6	<24.5
Dibromochloromethane	<403	<22	<52.4	<63.9	<61.2
Dichlorodifluoromethane	<237	<12	<30.8	<37.6	<36.0
Dichlorotetrafluoroethane	<332	<18	<43.1	<52.6	<50.4
Ethanol	**777**	**81**	<58.5	**121**	**198**
Ethyl acetate	<173	<9.0	<22.5	<27.4	<26.3
Ethylbenzene	<208	<4.4	<27.1	<33.1	<31.7
Hexachloro-1,3-butadiene	<521	<26	<67.8	<82.7	<79.2
m&p-Xylene	<417	<8.5	<54.2	<66.2	<63.4
Methylene Chloride	<168	**15**	<21.9	<26.7	<25.6
Methyl-tert-butyl ether	<173	<9.0	<22.5	<27.4	<26.3
Naphthalene	<639	<13	<83.2	<102	<97.2
n-Heptane	<197	<10	<25.6	<31.2	<29.9
n-Hexane	<170	<9.0	<22.2	<27.1	<25.9
o-Xylene	<208	<4.4	<27.1	<33.1	<31.7
Propylene	<82.9	<4.3	<10.8	<13.2	<12.6
Styrene	<206	<10	<26.8	<32.7	<31.3
Tetrachloroethene	**22100**	**180**	**3420**	<25.9	**308**
Tetrahydrofuran	<142	<7.5	<18.5	<22.6	<21.6
Toluene	<182	<3.8	**29.6**	<29.0	<27.7
trans-1,2-Dichloroethene	<192	<10	<24.9	<30.5	<29.2
trans-1,3-Dichloropropene	<218	<12	<28.3	<34.6	<33.1
Trichloroethene	**294**	<14	**22.2**	<20.7	<19.8
Trichlorofluoromethane	<260	<14	<33.9	<41.4	<39.6
Vinyl acetate	<168	<9.0	<21.9	<26.7	<25.6
Vinyl chloride	<61.6	<6.5	<8.0	<9.8	<9.4
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 0727	DPE EXHAUST 0416	DPE EXHAUST 0514	DPE EXHAUST 1186	DPE EXHAUST 0798
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	6/16/2011	5/19/2011	4/22/2011	3/23/2011	2/28/2011
1,1,1-Trichloroethane	<33.9	<280	<36.5	<39.6	<140
1,1,2,2-Tetrachloroethane	<21.5	<178	<46.5	<50.4	<88.8
1,1,2-Trichloroethane	<16.9	<140	<36.5	<39.6	<70.0
1,1,2-Trichlorotrifluoroethane	**8,050**	**19,000**	**22,600**	**49,100**	**17,100**
1,1-Dichloroethane	<25.3	<209	<27.2	<29.5	<104
1,1-Dichloroethene	<24.9	<206	<26.9	<29.2	<103
1,2,4-Trichlorobenzene	<30.5	<252	<32.9	<35.6	<126
1,2,4-Trimethylbenzene	<30.8	<254	<33.2	<36.0	<127
1,2-Dibromoethane (EDB)	<49.3	<407	<53.1	<57.6	<204
1,2-Dichlorobenzene	<37.0	<305	<39.8	<43.2	<153
1,2-Dichloroethane	<12.6	<104	<27.2	<29.5	<52.2
1,2-Dichloropropane	<29.0	<239	<31.2	<33.8	<120
1,3,5-Trimethylbenzene	<30.8	<254	<33.2	<36.0	<127
1,3-Butadiene	<13.9	<114	<14.9	<16.2	<57.2
1,3-Dichlorobenzene	<37.0	<305	<39.8	<43.2	<153
1,4-Dichlorobenzene	<37.0	<305	<39.8	<43.2	<153
2-Butanone (MEK)	<18.5	<153	<19.9	<21.6	<76.3
2-Hexanone	<25.6	<211	<27.6	<29.9	<106
2-Propanol	<77.0	<636	<83.0	<90.0	<318
4-Ethyltoluene	<77.0	<636	<83.0	<90.0	<318
4-Methyl-2-pentanone (MIBK)	<25.6	<211	<27.6	<29.9	<106
Acetone	**72.5**	<122	**88.4**	**25.4**	<61.1
Benzene	<10.0	<82.7	<21.6	<23.4	<41.3
Benzyl chloride	<32.3	<267	<34.9	<37.8	<134
Bromodichloromethane	<43.1	<356	<46.5	<50.4	<178
Bromoform	<64.7	<534	<69.7	<75.6	<267
Bromomethane	<24.3	<201	<26.2	<28.4	<100
Carbon disulfide	<19.4	<160	<20.9	<22.7	<80.1
Carbon tetrachloride	<19.7	<163	<43.2	<46.8	<81.4
Chlorobenzene	<29.0	<239	<31.2	<33.8	<120
Chloroethane	<16.6	<137	<17.9	<19.4	<68.7
Chloroform	<30.5	<252	<32.9	<35.6	<126
Chloromethane	<12.9	<107	<13.9	<15.1	<53.4
cis-1,2-Dichloroethene	<24.9	<206	<26.9	<29.2	<103
cis-1,3-Dichloropropene	<28.3	<234	<30.5	<33.1	<117
Cyclohexane	<20.9	<173	<22.6	<24.5	<86.5
Dibromochloromethane	<52.4	<432	<56.4	<61.2	<216
Dichlorodifluoromethane	<30.8	<254	<33.2	<36.0	<127
Dichlorotetrafluoroethane	<43.1	<356	<46.5	<50.4	<178
Ethanol	**201**	<483	**137**	**139**	<242
Ethyl acetate	<22.5	<186	<24.2	<26.3	<92.9
Ethylbenzene	<27.1	<224	<29.2	<31.7	<112
Hexachloro-1,3-butadiene	<67.8	<560	<73.0	<79.2	<280
m&p-Xylene	<54.2	<448	<58.4	<63.4	<224
Methylene Chloride	<21.9	<181	<23.6	**310**	<90.3
Methyl-tert-butyl ether	<22.5	<186	<24.2	<26.3	<92.9
Naphthalene	<83.2	<687	<89.6	<97.2	<343
n-Heptane	<25.6	<211	<27.6	<29.9	<106
n-Hexane	<22.2	<183	<23.9	**40.9**	<91.6
o-Xylene	<27.1	<224	<29.2	<31.7	<112
Propylene	<10.8	<89.0	<11.6	<12.6	<44.5
Styrene	<26.8	<221	<28.9	<31.3	<111
Tetrachloroethene	**668**	**6,270**	**6,840**	**7,340**	**4,590**
Tetrahydrofuran	<18.5	<153	<19.9	<21.6	<76.3
Toluene	<23.7	<196	<25.6	<27.7	<97.9
trans-1,2-Dichloroethene	<24.9	<206	<26.9	<29.2	<103
trans-1,3-Dichloropropene	<28.3	<234	<30.5	<33.1	<117
Trichloroethene	<16.9	<140	<36.5	<39.6	<70.0
Trichlorofluoromethane	<33.9	<280	<36.5	<39.6	<140
Vinyl acetate	<21.9	<181	<23.6	<25.6	<90.3
Vinyl chloride	<8.0	<66.1	<17.3	<18.7	<33.1
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 1513	DPE EXHAUST 0224	DPE EXHAUST 0965	DPE EXHAUST 0096	DPE EXHAUST 764
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	1/2-hr Composite[1]	6-hr Composite
Collected Date	1/20/2011	12/23/2010	10/18/2010	9/27/2010	7/26/2010
1,1,1-Trichloroethane	**20.8**	**45.6**	<146	<2.3	<79.2
1,1,2,2-Tetrachloroethane	<2.2	<46.5	<186	<3.0	<101
1,1,2-Trichloroethane	<1.7	<36.5	<146	<2.3	<79.2
1,1,2-Trichlorotrifluoroethane	**56,200**	**42,700**	**16,300**	**9.2**	**3,720**
1,1-Dichloroethane	<1.3	<27.2	<109	<1.7	<59.0
1,1-Dichloroethene	<1.3	<26.9	<108	<1.7	<58.3
1,2,4-Trichlorobenzene	<1.6	<32.9	<131	<2.1	<71.3
1,2,4-Trimethylbenzene	**3.3**	<33.2	**153**	<5.3	<180
1,2-Dibromoethane (EDB)	<2.5	<53.1	<212	<3.4	<115
1,2-Dichlorobenzene	<1.9	<39.8	<159	<2.6	<86.4
1,2-Dichloroethane	<1.3	<27.2	<109	<1.7	<59.0
1,2-Dichloropropane	<1.5	<31.2	<125	<2.0	<67.7
1,3,5-Trimethylbenzene	<1.6	<33.2	<133	<5.3	<180
1,3-Butadiene	<0.72	<14.9	<59.8	<0.96	<32.4
1,3-Dichlorobenzene	<1.9	<39.8	<159	<2.6	<86.4
1,4-Dichlorobenzene	<1.9	<39.8	<159	<2.6	<86.4
2-Butanone (MEK)	**41.4**	**26.9**	**1,120**	**12.1**	<43.2
2-Hexanone	<1.3	<27.6	<110	<1.8	<59.8
2-Propanol	**21.9**	<83.0	**484**	**9.6**	<180
4-Ethyltoluene	<4.0	<83.0	<332	<5.3	<180
4-Methyl-2-pentanone (MIBK)	**8.3**	<27.6	<110	<1.8	<59.8
Acetone	**29.0**	**78.0**	**227**	**53.9**	**74.8**
Benzene	<1.0	<21.6	<86.3	<1.4	<46.8
Benzyl chloride	<1.7	<34.9	<139	<2.2	<1210
Bromodichloromethane	<2.2	<46.5	<186	<3.0	<101
Bromoform	<3.3	<69.7	<279	<4.5	<151
Bromomethane	<1.3	<26.2	<105	<1.7	<56.9
Carbon disulfide	<1.0	<20.9	<83.7	<1.3	<45.4
Carbon tetrachloride	<2.1	<43.2	<173	<2.8	<93.6
Chlorobenzene	<1.5	<31.2	<125	<2.0	<67.7
Chloroethane	<0.86	<17.9	<71.7	<1.2	<38.9
Chloroform	**4.9**	<32.9	<131	<2.1	<71.3
Chloromethane	<0.67	<13.9	<55.8	**1.2**	<30.2
cis-1,2-Dichloroethene	**36.3**	**77.3**	<108	<1.7	**272**
cis-1,3-Dichloropropene	<1.5	<30.5	<122	<2.0	<66.2
Cyclohexane	<1.1	<22.6	<90.3	<1.4	<49.0
Dibromochloromethane	<2.7	<56.4	<226	<3.6	<122
Dichlorodifluoromethane	<1.6	<33.2	<133	**2.6**	<72.0
Dichlorotetrafluoroethane	<2.2	<46.5	<186	<3.0	<101
Ethanol	**286**	**726**	<252	**48.3**	<2190
Ethyl acetate	**3.4**	<24.2	<96.9	<1.6	<52.6
Ethylbenzene	**2.0**	<29.2	<117	<1.9	<63.4
Hexachloro-1,3-butadiene	<3.5	<73.0	<292	<4.7	<158
m&p-Xylene	**6.9**	<58.4	<234	<3.7	<127
Methylene Chloride	**101**	<23.6	<94.3	**294**	<51.1
Methyl-tert-butyl ether	<1.2	<24.2	<96.9	<1.6	<52.6
Naphthalene	<4.3	<89.6	<359	<5.8	<194
n-Heptane	<1.3	<27.6	<110	<1.8	<59.8
n-Hexane	<1.1	<23.9	<95.6	**45.9**	<51.8
o-Xylene	**5.8**	<29.2	<117	<1.9	<63.4
Propylene	<0.56	<11.6	<46.5	**1.3**	<25.2
Styrene	<1.4	<28.9	<116	<1.9	<62.6
Tetrachloroethene	**5,040**	**2,680**	**1,300**	**6.5**	**489,000**
Tetrahydrofuran	**6.3**	<19.9	<79.7	<1.3	**45.3**
Toluene	**12.3**	<25.6	**102**	**21.2**	<55.4
trans-1,2-Dichloroethene	<1.3	<26.9	<108	<1.7	<58.3
trans-1,3-Dichloropropene	<1.5	<30.5	<122	<2.0	<66.2
Trichloroethene	**14.8**	<36.5	<146	**42.3**	**101**
Trichlorofluoromethane	<1.7	<36.5	<146	<2.3	<79.2
Vinyl acetate	<1.1	<23.6	<94.3	<1.5	<51.1
Vinyl chloride	<0.83	<17.3	<69.1	<1.1	<37.4
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 1248	DPE EXHAUST 764	DPE EXHAUST 726	DPE EXHAUST 1316	DPE EXHAUST 1037
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	6/17/2010	5/12/2010	4/16/2010	3/25/2010	2/22/2010
1,1,1-Trichloroethane	<760	**12.9**	ND	**30.7**	**61**
1,1,2,2-Tetrachloroethane	<968	<2.7	ND	<2.5	ND
1,1,2-Trichloroethane	<760	<2.1	ND	<2.0	ND
1,1,2-Trichlorotrifluoroethane	**342,000**	**21,900**	**153,000**	**115,000**	**644,000**
1,1-Dichloroethane	<567	<1.6	ND	<1.5	ND
1,1-Dichloroethene	<560	<1.6	ND	**3.0**	**7.66**
1,2,4-Trichlorobenzene	<684	<1.9	ND	<1.8	ND
1,2,4-Trimethylbenzene	<1730	<4.8	ND	**12.8**	ND
1,2-Dibromoethane (EDB)	<1110	<3.1	ND	<2.9	ND
1,2-Dichlorobenzene	<829	**5.5**	ND	<2.2	ND
1,2-Dichloroethane	<567	<1.6	ND	<1.5	ND
1,2-Dichloropropane	<650	**2.5**	ND	<1.7	**7.05**
1,3,5-Trimethylbenzene	<1730	<4.8	ND	<4.5	ND
1,3-Butadiene	<311	<0.87	ND	<0.81	ND
1,3-Dichlorobenzene	<829	<2.3	ND	<2.2	ND
1,4-Dichlorobenzene	<829	**3.7**	ND	<2.2	ND
2-Butanone (MEK)	<415	**18.0**	ND	**44.2**	**12.9**
2-Hexanone	<574	<1.6	ND	<1.5	ND
2-Propanol	<1730	**7.9**	ND	**19.0**	NA
4-Ethyltoluene	<1730	<4.8	ND	<4.5	ND
4-Methyl-2-pentanone (MIBK)	<574	<1.6	ND	<1.5	ND
Acetone	<332	**509**	ND	**163**	**84.5**
Benzene	<449	<1.3	ND	<1.2	ND
Benzyl chloride	<726	<2.0	ND	<1.9	NA
Bromodichloromethane	<968	<2.7	ND	<2.5	ND
Bromoform	<1450	<4.1	ND	<3.8	ND
Bromomethane	<546	<1.5	ND	<1.4	ND
Carbon disulfide	<435	**7.7**	ND	**1.3**	ND
Carbon tetrachloride	<899	<2.5	ND	<2.3	ND
Chlorobenzene	<650	**3.1**	ND	<1.7	ND
Chloroethane	<373	<1.0	ND	<0.97	ND
Chloroform	<684	**4.9**	ND	**11.3**	**15.4**
Chloromethane	<290	**9.6**	ND	<0.76	ND
cis-1,2-Dichloroethene	**1,070**	**33.6**	ND	**80.2**	**198**
cis-1,3-Dichloropropene	<636	<1.8	ND	<1.7	ND
Cyclohexane	<470	**3.7**	ND	**2.2**	**14.3**
Dibromochloromethane	<1180	<3.3	ND	<3.1	ND
Dichlorodifluoromethane	<691	**4.1**	ND	**11.0**	ND
Dichlorotetrafluoroethane	<968	<2.7	ND	<2.5	ND
Ethanol	<1310	**67.3**	ND	**26.1**	NA
Ethyl acetate	<505	<1.4	ND	<1.3	ND
Ethylbenzene	<608	<1.7	ND	**118**	ND
Hexachloro-1,3-butadiene	<1520	<4.2	ND	<4.0	ND
m&p-Xylene	<1220	**5.1**	ND	**456**	ND
Methylene Chloride	<491	<1.4	ND	<1.3	ND
Methyl-tert-butyl ether	<505	<1.4	ND	<1.3	ND
Naphthalene	<1870	<5.2	ND	<4.9	NA
n-Heptane	<574	**2.0**	ND	**2.7**	ND
n-Hexane	<498	<1.4	ND	**4.7**	**135**
o-Xylene	<608	**1.8**	ND	**159**	ND
Propylene	<242	<0.68	ND	<0.63	ND
Styrene	<601	<1.7	ND	<1.6	ND
Tetrachloroethene	**689,000**	**27,900**	**282,000**	**215,000**	**1,720,000**
Tetrahydrofuran	<415	**15.0**	ND	**58.0**	**45.6**
Toluene	<532	**8.0**	ND	**28.4**	**124**
trans-1,2-Dichloroethene	<560	<1.6	ND	<1.5	ND
trans-1,3-Dichloropropene	<636	<1.8	ND	<1.7	ND
Trichloroethene	<760	**24.5**	**3,730**	**43.7**	**116**
Trichlorofluoromethane	<760	<2.1	ND	<2.0	ND
Vinyl acetate	<491	**3.0**	ND	**8.9**	ND
Vinyl chloride	<359	<1.0	ND	<0.94	ND
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 OUTLET 1042	DPE-OUTLET 0903	DPE-OUTLET 1254	DPE-EFFLUENT 519	DPE-EFFLUENT 253
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	DPE-1
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	Grab
Collected Date	1/14/2010	12/17/2009	11/17/2009	10/16/2009	10/15/2009
1,1,1-Trichloroethane	ND	**23.9**	ND	**81.7**	**4.2**
1,1,2,2-Tetrachloroethane	ND	ND	ND	<2.2	<2.1
1,1,2-Trichloroethane	ND	ND	ND	<1.7	<1.6
1,1,2-Trichlorotrifluoroethane	**2,720,000**	**4,440**	**72,100**	**172**	**97,900**
1,1-Dichloroethane	ND	ND	ND	<1.3	<1.2
1,1-Dichloroethene	ND	ND	ND	**13.9**	<1.2
1,2,4-Trichlorobenzene	ND	ND	ND	<1.5	<1.5
1,2,4-Trimethylbenzene	ND	ND	ND	<3.8	<3.7
1,2-Dibromoethane (EDB)	ND	ND	ND	<2.5	<2.4
1,2-Dichlorobenzene	ND	ND	ND	<1.8	<1.8
1,2-Dichloroethane	ND	ND	ND	<1.3	<1.2
1,2-Dichloropropane	ND	ND	ND	<1.4	<1.4
1,3,5-Trimethylbenzene	ND	ND	ND	<3.8	<3.7
1,3-Butadiene	ND	ND	ND	<0.69	<0.67
1,3-Dichlorobenzene	ND	ND	ND	<1.8	<1.8
1,4-Dichlorobenzene	ND	ND	ND	<1.8	<1.8
2-Butanone (MEK)	ND	ND	ND	**12.2**	<0.89
2-Hexanone	ND	ND	ND	<1.3	<1.2
2-Propanol	NA	NA	NA	**4.9**	<3.7
4-Ethyltoluene	ND	ND	ND	<3.8	<3.7
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	<1.3	<1.2
Acetone	**76,800**	**126**	**116**	**37,000**	**501**
Benzene	ND	**16.2**	ND	**1.1**	**1.5**
Benzyl chloride	NA	NA	NA	NA	NA
Bromodichloromethane	ND	ND	ND	<2.2	<2.1
Bromoform	ND	ND	ND	<3.2	<3.1
Bromomethane	ND	ND	ND	<1.2	<1.2
Carbon disulfide	ND	ND	ND	<0.97	<0.93
Carbon tetrachloride	ND	ND	ND	<2.0	<1.9
Chlorobenzene	ND	ND	ND	<1.4	<1.4
Chloroethane	ND	ND	ND	<0.83	<0.80
Chloroform	ND	ND	ND	**25.8**	<1.5
Chloromethane	ND	ND	ND	<0.65	<0.62
cis-1,2-Dichloroethene	ND	**47.2**	**118**	**257**	**21.5**
cis-1,3-Dichloropropene	ND	ND	ND	<1.4	<1.4
Cyclohexane	ND	**766**	ND	<1.0	<1.0
Dibromochloromethane	ND	ND	ND	<2.6	<2.5
Dichlorodifluoromethane	ND	ND	ND	<1.5	**2.8**
Dichlorotetrafluoroethane	ND	ND	ND	<2.2	<2.1
Ethanol	NA	NA	NA	**8.9**	**8.4**
Ethyl acetate	ND	ND	ND	<1.1	<1.1
Ethylbenzene	ND	ND	ND	**7.9**	<1.3
Hexachloro-1,3-butadiene	ND	ND	ND	<3.4	<3.3
m&p-Xylene	ND	ND	ND	**25.0**	**2.6**
Methylene Chloride	ND	**270**	ND	<1.1	**276**
Methyl-tert-butyl ether	ND	ND	ND	<1.1	<1.1
Naphthalene	NA	NA	NA	**5.6**	<4.0
n-Heptane	ND	ND	ND	<1.3	<1.2
n-Hexane	ND	ND	ND	**2.1**	**35.4**
o-Xylene	ND	ND	ND	**7.5**	<1.3
Propylene	ND	ND	ND	<0.54	<0.52
Styrene	ND	ND	ND	<1.3	<1.3
Tetrachloroethene	**8,550,000**	**6,790**	**381,000**	**571,000**	**396,000**
Tetrahydrofuran	**56,400**	ND	**145**	**36.2**	<0.89
Toluene	ND	**9.58**	ND	**17.6**	**10.3**
trans-1,2-Dichloroethene	ND	ND	ND	<1.2	<1.2
trans-1,3-Dichloropropene	ND	ND	ND	<1.4	<1.4
Trichloroethene	ND	**21.3**	ND	**153**	**13.6**
Trichlorofluoromethane	ND	ND	ND	<1.7	**1.7**
Vinyl acetate	ND	ND	ND	**7.4**	<1.1
Vinyl chloride	ND	ND	ND	<0.80	<0.77
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 0680	DPE EXHAUST 842
Wells Operating	DPE-1	DPE-1
Sample Collection Method	Grab	Grab
Collected Date	9/4/2009	4/9/2009
1,1,1-Trichloroethane	**127**	**4,450**
1,1,2,2-Tetrachloroethane	<2.1	<2480
1,1,2-Trichloroethane	<1.6	<1950
1,1,2-Trichlorotrifluoroethane	**153,000**	**2,940,000**
1,1-Dichloroethane	<1.2	<1450
1,1-Dichloroethene	15.0	<1440
1,2,4-Trichlorobenzene	<1.5	<1760
1,2,4-Trimethylbenzene	**10.2**	<4440
1,2-Dibromoethane (EDB)	<2.4	<2840
1,2-Dichlorobenzene	<1.8	<2130
1,2-Dichloroethane	<1.2	<1450
1,2-Dichloropropane	<1.4	<1670
1,3,5-Trimethylbenzene	**5.0**	<4440
1,3-Butadiene	<0.67	<798
1,3-Dichlorobenzene	**6.0**	<2130
1,4-Dichlorobenzene	**8.6**	<2130
2-Butanone (MEK)	**15.8**	<1060
2-Hexanone	<1.2	<1470
2-Propanol	<3.7	<4440
4-Ethyltoluene	**6.0**	<4440
4-Methyl-2-pentanone (MIBK)	<1.2	<1470
Acetone	**7,510**	<852
Benzene	**2.3**	<1150
Benzyl chloride	NA	NA
Bromodichloromethane	<2.1	<2480
Bromoform	<3.1	<3730
Bromomethane	<1.2	<1400
Carbon disulfide	**5.9**	<1120
Carbon tetrachloride	<1.9	<2310
Chlorobenzene	<1.4	<1670
Chloroethane	<0.80	<958
Chloroform	**21.5**	<1760
Chloromethane	<0.62	<745
cis-1,2-Dichloroethene	**2,620**	**36,300**
cis-1,3-Dichloropropene	<1.4	<1630
Cyclohexane	**3.5**	<1210
Dibromochloromethane	<2.5	<3020
Dichlorodifluoromethane	<1.5	**2,230**
Dichlorotetrafluoroethane	<2.1	**3,400**
Ethanol	**5.7**	<3370
Ethyl acetate	<1.1	<1300
Ethylbenzene	<1.3	<1560
Hexachloro-1,3-butadiene	<3.3	<3900
m&p-Xylene	**14.2**	<3120
Methylene Chloride	<1.1	<1260
Methyl-tert-butyl ether	<1.1	<1300
Naphthalene	**4.2**	**10,100**
n-Heptane	**2.6**	<1470
n-Hexane	**3.4**	<1280
o-Xylene	**4.8**	<1560
Propylene	<0.52	<621
Styrene	<1.3	<1540
Tetrachloroethene	**3,630,000**	**11,600,000**
Tetrahydrofuran	**31.1**	<1060
Toluene	**14.4**	<1370
trans-1,2-Dichloroethene	**4.2**	<1440
trans-1,3-Dichloropropene	<1.4	<1630
Trichloroethene	**1,640**	**17,400**
Trichlorofluoromethane	**2.2**	<1950
Vinyl acetate	**8.7**	<1260
Vinyl chloride	<0.77	<923
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-1,2,3,5	PCE	22,100	NA	NA	NA	NA	NA	NA	578	1	579	0	0	5.1E-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

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	AS-Influent	AS-Effluent
Collected Date	11/21/2011	11/21/2011	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	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<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	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<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	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<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	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<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	<1.0
1,2-Dichlorobenzene	<1.0	<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	<1.0
1,2-Dichloropropane	<4.0	<4.0	<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	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<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	<1.0
2,2-Dichloropropane	<4.0	<4.0	<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	**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	<10.0	<10.0
2-Chlorotoluene	<1.0	<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	<4.0
2-Methylnaphthalene	<5.0	<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	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<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	<25.0	<25.0
Acrolein	<10.0	<10.0	<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	<10.0	<10.0
Allyl chloride	<4.0	<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	<1.0
Bromobenzene	<1.0	<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	<1.0
Bromodichloromethane	<1.0	<1.0	<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	<4.0	<4.0
Bromomethane	<4.0	<4.0	<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	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<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	<1.0	<1.0
Chloroethane	<1.0	<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	<1.0
Chloromethane	<4.0	<4.0	<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	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<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	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<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	<4.0	<4.0
Dichlorodifluoromethane	<1.0	<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	<1.0
Diethyl ether (Ethyl ether)	<4.0	<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	<1.0
Hexachloro-1,3-butadiene	<5.0	<5.0	<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	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<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	<2.0	<2.0
Methylene Chloride	<10.0	<10.0	<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	<1.0	<1.0
Naphthalene	<4.0	<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	<1.0
n-Propylbenzene	<1.0	<1.0	<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	<1.0	<1.0
p-Isopropyltoluene	<1.0	<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	<1.0
Styrene	<1.0	<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	<1.0
Tetrachloroethene	**31.6**	<1.0	**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	<10.0	<10.0
Toluene	<1.0	<1.0	<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	<4.0	<4.0
trans-1,3-Dichloropropene	<4.0	<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	<1.0
Trichlorofluoromethane	<1.0	<1.0	<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	<10.0	<10.0
Vinyl chloride	<0.40	<0.40	<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	<3.0	<3.0
Total VOC Concentration	**31.6**	**0**	**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.

[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	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	3/1/2011	3/1/2011	1/20/2011	1/20/2011
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.3**	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<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	<1.0	<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	<1.0	<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	<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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<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	<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	<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	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<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	<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	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**35.0**	<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	<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	**1.3**	<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	<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	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<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	<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	<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	<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	<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	<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	<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	<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	<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**	<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	<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	<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	<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	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<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	<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	<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	<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	<1.0	<1.0	<1.0
Tetrachloroethene	**42.8**	<1.0	**21.8**	<1.0	**41.3**	<1.0	**7.6**	<1.0	**127**	<1.0	**51.8**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<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	<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	<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	<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	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<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	<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	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<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**	**130.6**	**0**	**51.8**	**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.

[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	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent[3]
Collected Date	12/23/2010	12/23/2010	10/19/2010	10/19/2010	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	<1.0	<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	<1.0	<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	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	**3.0**	<1.0	**1.9**	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<1.0	<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	<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	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	**4.5**	**5.6**	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10.0	**11.1**	<10.0	<10.0	<10.0	<10.0	<10.0	**13.3**	<10.0	<10.0	<10.0	**29.3**
Acrolein	<10.0	<10.0	<10.0	<10.0	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
Bromodichloromethane	<1.0	<1.0	<1.0	<1.0	<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	<8.0	<8.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**1.8**	<1.0	<1.0	<1.0	<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	<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	<1.0	<1.0	<1.0
Dibromomethane	<4.0	<4.0	<4.0	<4.0	<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	<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	<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	<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	<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	<4.0	<4.0	<4.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<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	<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	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<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	<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	<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	<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	<1.0	<1.0	<1.0
Tetrachloroethene	**168**	<1.0	**204**	<1.0	<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	<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	<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	<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	<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	<1.0	<1.0	<1.0
Trichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<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	<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	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**172.8**	**11.1**	**210.4**	**5.6**	**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.

[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	AS-INFLUENT	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	11/16/2009	11/16/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<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	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<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	<4.0	<4.0
2-Butanone (MEK)	**4.9**	**7.5**	<4.0	<4.0	**7.0**	<4.0	<4.0	<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	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<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	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<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	<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	<5.0	<5.0
Acetone	**11.2**	**29.8**	<10.0	<10.0	**14.6**	<10.0	<10.0	<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	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<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	<4.0	<4.0
Benzene	<1.0	<1.0	<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	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<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	<4.0	<4.0
Bromoform	<8.0	<8.0	<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	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<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	<4.0	<4.0
Chlorobenzene	<1.0	<1.0	<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	<1.0	<1.0
Chloroform	<1.0	<1.0	<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**	<4.0	<4.0
Chloroprene	<1.0	<1.0	<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	<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	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<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	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<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	<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	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<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	<4.0	<4.0
Iodomethane	**17.3**	**18.9**	<4.0	<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	<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	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<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	<1.0	<1.0
Naphthalene	<4.0	<4.0	<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	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<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	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<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	<1.0	<1.0
Styrene	<1.0	<1.0	<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	<1.0	<1.0
Tetrachloroethene	**55.5**	<1.0	**69.6**	<1.0	**157**	<1.0	<1.0	<1.0	**22.7**	**30.7**	<1.0
Tetrahydrofuran	<10.0	**20.3**	<10.0	**15.7**	**29.4**	<10.0	**11.7**	**11.5**	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<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	<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	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<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	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<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	<0.40	<0.40
Xylene (Total)	<3.0	**4.9**	<3.0	<3.0	<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**	**30.7**	**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.

[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[2]	DPE Discharge[1]
Collected Date	10/15/2009	10/15/2009	9/4/2009	9/4/2009	7/9/2009	7/9/2009	6/4/2009	6/4/2009	4/9/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**29.4**
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
1,1,2-Trichlorotrifluoroethane	**1.4**	<1.0	**1.2**	<1.0	**10.4**	<1.0	**53.7**	<1.0	**7860**
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**26.0**
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**7.1**
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**7.8**
2,2-Dichloropropane	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
2-Butanone (MEK)	**5.4**	<4.0	**13.5**	**19.8**	<20.0	**82.1**	<200	**1670**	**392**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<1250	<25.0	<50.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**51.0**
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<25.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<25.0
Acetone	<10.0	<10.0	<10.0	<10.0	<50.0	**68.7**	<500	**987**	<50.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<200	<40.0	<2000	<40.0	<200
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<500	<10.0	<50.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Benzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<40.0	<8.0	<400	<8.0	<40.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Carbon tetrachloride	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloromethane	<1.0	<1.0	<1.0	<1.0	**63.3**	**76.4**	<50.0	<1.0	<5.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
cis-1,2-Dichloroethene	**1.5**	<1.0	**1.5**	<1.0	**13.0**	<1.0	**62.9**	<1.0	**206**
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<10.0	<2.0	<100	<2.0	<10.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	5.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Styrene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Tetrachloroethene	**214**	<1.0	**175**	<1.0	**1460**	<1.0	**3970**	**33.8**	**167000**
Tetrahydrofuran	**15.7**	<10.0	<10.0	<10.0	<50.0	**252**	**543**	**6300**	**600**
Toluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**159**
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<100	<20.0	<1000	<20.0	<100
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<2.0	<0.40	<20.0	<0.40	<2.0
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<15.0	<3.0	<150	<3.0	<15.0
Total VOC Concentration	**238**	**0**	**191.2**	**19.8**	**1,546.7**	**479.2**	**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.

[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-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

TABLE 7

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

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-15	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-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

TABLE 7

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

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-17	12/3/2008	989.53	12.81	976.72	pre-system installation
MW-17	6/8/2009	989.53	13.69	975.84	pre-system startup
MW-17	7/9/2009	989.53	14.44	975.09	DPE system on DPE-1
MW-17	7/9/2009	989.53	14.35	975.18	DPE system temporarily off
MW-17	9/4/2009	989.53	14.31	975.22	DPE system on
MW-17	9/4/2009	989.53	14.33	975.20	DPE system on after replacing inlet screen
MW-17	9/4/2009	989.53	14.39	975.14	DPE system on after replacing inlet filter
MW-17	10/15/2009	989.53	14.00	975.53	DPE system on DPE-1
MW-17	10/23/2009	989.53	13.13	976.40	DPE system off
MW-17	11/16/2009	989.53	12.76	976.77	DPE System on all wells
MW-17	12/17/2009	989.53	13.04	976.49	DPE System on all wells
MW-17	1/14/2010	989.53	13.22	976.31	DPE System on all wells
MW-17	2/22/2010	989.53	14.37	975.16	DPE System on all wells
MW-17	3/25/2010	989.53	12.78	976.75	DPE System on all wells
MW-17	4/16/2010	989.53	13.19	976.34	DPE System on all wells
MW-17	5/12/2010	989.53	13.84	975.69	DPE System on all wells
MW-17	6/17/2010	989.53	14.13	975.40	DPE System on all wells
MW-17	8/18/2010	989.53	15.08	974.45	DPE System on all wells
MW-17	9/27/2010	989.53	12.68	976.85	DPE System on all wells
MW-17	11/18/2010	989.53	12.68	976.85	DPE System not operating
MW-17	12/22/2010	989.53	12.50	977.03	DPE System restarted
MW-17	1/6/2011	989.53	12.17	977.36	DPE System on all wells
MW-17	1/20/2011	989.53	12.25	977.28	DPE System on all wells
MW-17	2/28/2011	989.53	12.20	977.33	DPE System on all wells
MW-17	3/7/2011	989.53	12.41	977.12	DPE System on all wells
MW-17	3/18/2011	989.53	12.44	977.09	DPE System on all wells
MW-17	3/23/2011	989.53	11.41	978.12	DPE System on all wells
MW-17	4/22/2011	989.53	11.64	977.89	DPE System on all wells
MW-17	5/19/2011	989.53	11.96	977.57	DPE System on all wells
MW-17	6/16/2011	989.53	12.21	977.32	DPE System on all wells
MW-17	7/25/2011	989.53	12.02	977.51	DPE System on all wells
MW-17	8/28/2011	989.53	13.41	976.12	DPE System on all wells
MW-17	9/29/2011	989.53	13.04	976.49	DPE-1,2,3,4
MW-17	10/18/2011	989.53	12.66	976.87	DPE-1,2,3,4
MW-17	10/27/2011	989.53	13.08	976.45	DPE-1,2,3,4
MW-17	11/21/2011	989.53	13.48	976.05	DPE-1,2,3,4
MW-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

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	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-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

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
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

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
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Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
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-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

TABLE 7

GROUNDWATER ELEVATIONS
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Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-3	12/3/2008	991.50	10.30	981.20	pre-system installation
DPE-3	6/8/2009	992.48	13.64	978.84	pre-system startup
DPE-3	7/9/2009	992.48	13.98	978.50	DPE system on DPE-1
DPE-3	7/9/2009	992.48	14.06	978.42	DPE system temporarily off
DPE-3	9/4/2009	992.48	14.48	978.00	DPE system on DPE-1
DPE-3	9/4/2009	992.48	14.49	977.99	DPE-1 on after replacing inlet screen
DPE-3	9/4/2009	992.48	14.50	977.98	DPE-1 on after replacing inlet filter
DPE-3	10/15/2009	992.48	14.87	977.61	DPE system on DPE-1
DPE-3	10/23/2009	992.48	14.76	977.72	DPE system off
DPE-3	11/16/2009	992.48	14.59	977.89	DPE System on all wells
DPE-3	12/17/2009	992.48	15.28	977.20	DPE System on all wells
DPE-3	1/14/2010	992.48	16.52	975.96	DPE System on all wells
DPE-3	2/22/2010	992.48	15.29	977.19	DPE System on all wells
DPE-3	3/25/2010	992.48	15.68	976.80	DPE System on all wells
DPE-3	4/16/2010	992.48	15.80	976.68	DPE System on all wells
DPE-3	5/12/2010	992.48	16.26	976.22	DPE System on all wells
DPE-3	6/17/2010	992.48	16.43	976.05	DPE System on all wells
DPE-3	8/18/2010	992.48	17.20	975.28	DPE System on all wells
DPE-3	9/27/2010	992.48	14.29	978.19	DPE System on all wells
DPE-3	11/18/2010	992.48	14.62	977.86	DPE System not operating
DPE-3	12/22/2010	992.48	15.62	976.86	DPE System restarted
DPE-3	1/6/2011	992.48	14.50	977.98	DPE System on all wells
DPE-3	1/20/2011	992.48	14.99	977.49	DPE System on all wells
DPE-3	2/28/2011	992.48	15.22	977.26	DPE System on all wells
DPE-3	3/7/2011	992.48	15.20	977.28	DPE System on all wells
DPE-3	3/18/2011	992.48	15.57	976.91	DPE System on all wells
DPE-3	3/23/2011	992.48	13.88	978.60	DPE System on all wells
DPE-3	4/22/2011	992.48	14.51	977.97	DPE System on all wells
DPE-3	5/19/2011	992.48	14.96	977.52	DPE System on all wells
DPE-3	6/16/2011	992.48	15.83	976.65	DPE System on all wells
DPE-3	7/25/2011	992.48	14.11	978.37	DPE System on all wells
DPE-3	8/28/2011	992.48	15.88	976.60	DPE System on all wells
DPE-3	9/29/2011	992.48	16.56	975.92	DPE-1,2,3,4
DPE-3	10/18/2011	992.48	14.89	977.59	DPE-1,2,3,4
DPE-3	10/27/2011	992.48	16.82	975.66	DPE-1,2,3,4
DPE-3	11/21/2011	992.48	16.51	975.97	DPE-1,2,3,4
DPE-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

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
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Rochester, Minnesota

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
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-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-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

TABLE 7

GROUNDWATER ELEVATIONS
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Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
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-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

TABLE 7

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

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
DPE-7	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-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
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

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	9/4/2009	990.20	6.29	983.91	DPE system on DPE-1
Elevator Draintile Sump	10/15/2009	990.20	6.18	984.02	DPE system on DPE-1
Elevator Draintile Sump	10/23/2009	990.20	6.08	984.12	DPE system off
Elevator Draintile Sump	11/16/2009	990.20	5.72	984.48	DPE System on all wells
Elevator Draintile Sump	12/17/2009	990.20	6.48	983.72	DPE System on all wells
Elevator Draintile Sump	1/14/2010	990.20	6.46	983.74	DPE System on all wells
Elevator Draintile Sump	2/22/2010	990.20	6.81	983.39	DPE System on all wells
Elevator Draintile Sump	3/25/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	4/16/2010	990.20	6.91	983.29	DPE System on all wells
Elevator Draintile Sump	5/12/2010	990.20	7.01	983.19	DPE System on all wells
Elevator Draintile Sump	6/17/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	8/18/2010	990.20	6.72	983.48	DPE System on all wells
Elevator Draintile Sump	9/27/2010	990.20	6.02	984.18	DPE System on all wells
Elevator Draintile Sump	11/18/2010	990.20	6.59	983.61	DPE System not operating
Elevator Draintile Sump	12/22/2010	990.20	6.48	983.72	DPE System restarted
Elevator Draintile Sump	1/6/2011	990.20	NA	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

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	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	990.21	7.31	982.90	DPE-1,2,3,5

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
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
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
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

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-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
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
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
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	-99.8

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-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
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
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
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

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
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
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

TABLE 10

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

Sample ID	MDH Health Risk Limits	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Collected Date and Time	5/09	11/21/2011	8/28/2011	5/19/2011	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/16/09	09/28/09	12/10/08	8/7/2008
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichlorotrifluoroethane	200000	**3.2**	**9.5**	**13.3**	**3.2**	**37.8**	**66.4**	**148**	**190**	**215**	**912**	NA*	**11,300**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Acetone	700	<25.0	<25.0	<25.0	<25.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Benzene	2	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<40.0	<40.0	<8.0	<200	<200	<400	NA*	<2000
Bromomethane	10	<4.0	<4.0	<4.0	<10.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	**2.6**	<25.0	<25.0	<50.0	NA*	<250
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<250
cis-1,2-Dichloroethene	50	<1.0	**2.9**	**1.3**	<1.0	**11.5**	<5.0	**8.7**	<25.0	<25.0	<50.0	<2000	**3,250**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<2.0	<50.0	<50.0	<100	NA*	<500
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Tetrachloroethene	5	**99.2**	**309**	**185**	**101**	**1190**	**965**	**1,700**	**2,610**	**3,330**	**6,820**	**161,000**	**157,000**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	**2.3**	<25.0	<25.0	<50.0	<2000	**563**
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<2.0	<2.0	<0.40	<10.0	<10.0	<20.0	<800	<100
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<15.0	<15.0	<3.0	<75.0	<75.0	<150	NA*	<750

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Collected Date and Time	5/09	11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/2009	09/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,1-Trichloroethane	9000	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	**2.9**	<20.0	<100	<250	NA*
1,1,2,2-Tetrachloroethane	2	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichloroethane	3	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichlorotrifluoroethane	200000	**110**	**212**	**199**	<25.0	**356**	**997**	**673**	**305**	**1,270**	**1,620**	NA*
1,1-Dichloroethane	70	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1-Dichloroethene	6	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
1,1-Dichloropropene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichlorobenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichloropropane	40	<40.0	<40.0	<4.0	<100	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trichlorobenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trimethylbenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dibromo-3-chloropropane	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
1,2-Dibromoethane (EDB)	.004	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichlorobenzene	600	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloroethane	4	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloropropane	5	<40.0	<40.0	<4.0	<25.0	<50.0	<50.0	**1.3**	<20.0	<100	<250	NA*
1,3,5-Trimethylbenzene	100	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichlorobenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichloropropane	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,4-Dichlorobenzene	10	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
2,2-Dichloropropane	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
2-Butanone (MEK)	4000	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
2-Chlorotoluene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Chlorotoluene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Methyl-2-pentanone (MIBK)	300	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Acetone	700	<250	<250	<25.0	<625	<500	<500	<10.0	<200	<1000	<2500	NA*
Allyl chloride	30	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Benzene	2	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromobenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromochloromethane	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromodichloromethane	6	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromoform	40	<40.0	<40.0	<4.0	<200	<400	<400	<8.0	<160	<800	<2000	NA*
Bromomethane	10	<40.0	<40.0	<4.0	<250	<200	<200	<4.0	<80.0	<400	<1000	NA*
Carbon tetrachloride	3	<10.0	<10.0	<1.0	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
Chlorobenzene	100	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroethane	300	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroform	30	<10.0	<10.0	**3.1**	<25.0	<50.0	<50.0	**3.7**	<20.0	<100	<250	NA*
Chloromethane	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
cis-1,2-Dichloroethene	50	<10.0	<10.0	**5.5**	<25.0	<50.0	<50.0	**25.8**	<20.0	<100	<250	<500
cis-1,3-Dichloropropene	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Dibromochloromethane	10	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dibromomethane	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<20.0	<100	<250	NA*
Dichlorodifluoromethane	1000	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dichlorofluoromethane	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Diethyl ether (Ethyl ether)	1000	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Ethylbenzene	700	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Hexachloro-1,3-butadiene	1	<50.0	<50.0	<5.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Isopropylbenzene (Cumene)	300	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
m&p-Xylene	NL	<20.0	<20.0	<2.0	<50.0	<100	<100	<2.0	<40.0	<200	<500	NA*
Methylene Chloride	5	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Methyl-tert-butyl ether	70	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Naphthalene	300	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
n-Butylbenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
n-Propylbenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
o-Xylene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
p-Isopropyltoluene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
sec-Butylbenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Styrene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
tert-Butylbenzene	NL	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Tetrachloroethene	5	**890**	**2080**	**1680**	**2,990**	**4,690**	**12,100**	**5,800**	**2,710**	**10,600**	**32,000**	**38,200**
Tetrahydrofuran	100	<100	<100	<10.0	<250	<500	<500	<10.0	<200	<1000	<2500	NA*
Toluene	1000	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
trans-1,2-Dichloroethene	100	<40.0	<40.0	<4.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
trans-1,3-Dichloropropene	NL	<40.0	<40.0	<4.0	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Trichloroethene	5	<10.0	<10.0	**2.2**	<25.0	<50.0	<50.0	**7.5**	<20.0	<100	<250	<500
Trichlorofluoromethane	2000	<10.0	<10.0	<1.0	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Vinyl chloride	0.2	<4.0	<4.0	<0.40	<10.0	<20.0	<20.0	<0.40	<8.0	<40.0	<100	<200
Xylene (Total)	10000	<30.0	<30.0	<3.0	<75.0	<150	<150	<3.0	<60.0	<300	<750	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,1-Trichloroethane	9000	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2,2-Tetrachloroethane	2	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichloroethane	3	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1,2-Trichlorotrifluoroethane	200000	**787**	**348**	**343**	**1030**	**78.8**	**2,260**	**49.5**	**67.1**	**1,920**	**843**	NA*
1,1-Dichloroethane	70	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,1-Dichloroethene	6	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	<500
1,1-Dichloropropene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichlorobenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,3-Trichloropropane	40	<100	<100	<80.0	<40.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trichlorobenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2,4-Trimethylbenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dibromo-3-chloropropane	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
1,2-Dibromoethane (EDB)	.004	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichlorobenzene	600	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloroethane	4	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,2-Dichloropropane	5	<100	<100	<80.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3,5-Trimethylbenzene	100	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichlorobenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,3-Dichloropropane	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
1,4-Dichlorobenzene	10	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
2,2-Dichloropropane	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<10.0	<800	<200	NA*
2-Butanone (MEK)	4000	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
2-Chlorotoluene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
4-Chlorotoluene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
4-Methyl-2-pentanone (MIBK)	300	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Acetone	700	<625	<625	<500	<250	<100	<200	<10.0	<100	<2000	<2000	NA*
Allyl chloride	30	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Benzene	2	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromobenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromochloromethane	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromodichloromethane	6	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Bromoform	40	<100	<100	<80.0	<80.0	<80.0	<160	<8.0	<80.0	<1600	<1600	NA*
Bromomethane	10	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Carbon tetrachloride	3	<25.0	<25.0	<20.0	<40.0	<40.0	<80.0	<4.0	<10.0	<800	<200	NA*
Chlorobenzene	100	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroethane	300	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloroform	30	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Chloromethane	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
cis-1,2-Dichloroethene	50	<25.0	<25.0	<20.0	**19.6**	<10.0	**59.2**	**2.6**	<10.0	<200	<200	**1,090**
cis-1,3-Dichloropropene	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Dibromochloromethane	10	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Dibromomethane	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<10.0	<200	<200	NA*
Dichlorodifluoromethane	1000	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Dichlorofluoromethane	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Diethyl ether (Ethyl ether)	1000	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Ethylbenzene	700	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Hexachloro-1,3-butadiene	1	<125	<125	<100	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Isopropylbenzene (Cumene)	300	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
m&p-Xylene	NL	<50.0	<50.0	<40.0	<20.0	<20.0	<40.0	<2.0	<20.0	<400	<400	NA*
Methylene Chloride	5	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Methyl-tert-butyl ether	70	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Naphthalene	300	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
n-Butylbenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
n-Propylbenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
o-Xylene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
p-Isopropyltoluene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
sec-Butylbenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Styrene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
tert-Butylbenzene	NL	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Tetrachloroethene	5	**5310**	**4260**	**3220**	**12,700**	**1,450**	**20,400**	**2,240**	**806**	**34,600**	**20,300**	**152,000**
Tetrahydrofuran	100	<250	<250	<200	<100	<100	<200	**10.9**	<100	<2000	<2000	NA*
Toluene	1000	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
trans-1,2-Dichloroethene	100	<100	<100	<80.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	<500
trans-1,3-Dichloropropene	NL	<100	<100	<80.0	<40.0	<40.0	<80.0	<4.0	<40.0	<800	<800	NA*
Trichloroethene	5	<25.0	<25.0	<20.0	**12.3**	<10.0	**22.8**	<1.0	<10.0	<200	<200	<500
Trichlorofluoromethane	2000	<25.0	<25.0	<20.0	<10.0	<10.0	<20.0	<1.0	<10.0	<200	<200	NA*
Vinyl chloride	0.2	<10.0	<10.0	<8.0	<4.0	<4.0	<8.0	<0.40	<4.0	<80.0	<80.0	<200
Xylene (Total)	10000	<75.0	<75.0	<60.0	<30.0	<30.0	<60.0	<3.0	<30.0	<600	<600	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/28/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,1-Trichloroethane	9000	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichloroethane	3	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**99.7**	**93.8**	**60.2**	**127**	**39.4**	**181**	**48.1**	**41.9**	**464**	**339**	NA*
1,1-Dichloroethane	70	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,1-Dichloroethene	6	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	<500
1,1-Dichloropropene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichlorobenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichloropropane	40	<20.0	<20.0	<8.0	<40.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dibromo-3-chloropropane	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichlorobenzene	600	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloroethane	4	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloropropane	5	<20.0	<20.0	<8.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichloropropane	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
1,4-Dichlorobenzene	10	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
2,2-Dichloropropane	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<5.0	<200	<50.0	NA*
2-Butanone (MEK)	4000	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
2-Chlorotoluene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Chlorotoluene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Acetone	700	<125	<125	<50.0	<250	<100	<50.0	<10.0	<50.0	<500	<500	NA*
Allyl chloride	30	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Benzene	2	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromobenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromochloromethane	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromodichloromethane	6	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Bromoform	40	<20.0	<20.0	<8.0	<80.0	<80.0	<40.0	<8.0	<40.0	<400	<400	NA*
Bromomethane	10	<20.0	<20.0	<8.0	<100	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Carbon tetrachloride	3	<5.0	<5.0	<2.0	<40.0	<40.0	<20.0	<4.0	<5.0	<200	<50.0	NA*
Chlorobenzene	100	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroethane	300	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloroform	30	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Chloromethane	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
cis-1,2-Dichloroethene	50	<5.0	<5.0	<2.0	<10.0	<10.0	**20.7**	**1.1**	<5.0	<50.0	<50.0	<500
cis-1,3-Dichloropropene	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Dibromochloromethane	10	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dibromomethane	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<5.0	<50.0	<50.0	NA*
Dichlorodifluoromethane	1000	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Dichlorofluoromethane	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Ethylbenzene	700	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Hexachloro-1,3-butadiene	1	<25.0	<25.0	<10.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Isopropylbenzene (Cumene)	300	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
m&p-Xylene	NL	<10.0	<10.0	<4.0	<20.0	<20.0	<10.0	<2.0	<10.0	<100	<100	NA*
Methylene Chloride	5	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Methyl-tert-butyl ether	70	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Naphthalene	300	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
n-Butylbenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
n-Propylbenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
o-Xylene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
p-Isopropyltoluene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
sec-Butylbenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Styrene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
tert-Butylbenzene	NL	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Tetrachloroethene	5	**763**	**771**	**367**	**1,160**	**1,100**	**2,600**	**357**	**429**	**5,040**	**7,340**	**35,600**
Tetrahydrofuran	100	<50.0	<50.0	<20.0	<100	<100	<50.0	<10.0	<50.0	<500	<500	NA*
Toluene	1000	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
trans-1,2-Dichloroethene	100	<20.0	<20.0	<8.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	<500
trans-1,3-Dichloropropene	NL	<20.0	<20.0	<8.0	<40.0	<40.0	<20.0	<4.0	<20.0	<200	<200	NA*
Trichloroethene	5	<5.0	<5.0	<2.0	<10.0	<10.0	**7.1**	<1.0	<5.0	<50.0	<50.0	<500
Trichlorofluoromethane	2000	<5.0	<5.0	<2.0	<10.0	<10.0	<5.0	<1.0	<5.0	<50.0	<50.0	NA*
Vinyl chloride	0.2	<2.0	<2.0	<0.80	<4.0	<4.0	<2.0	<0.40	<2.0	<20.0	<20.0	<200
Xylene (Total)	10000	<15.0	<15.0	<6.0	<30.0	<30.0	<15.0	<3.0	<15.0	<150	<150	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**3.0**	<1.0	**5.2**	**13.9**	<1.0	**11.5**	**16.9**	**19.4**	**498**	**37.9**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<40.0	<80.0	<80.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<5.0	<40.0	<10.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	**1.3**	<1.0	**1.3**	**1.8**	<5.0	<10.0	<10.0	<10.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<5.0	<10.0	<10.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<20.0	<20.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**6.2**	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Tetrachloroethene	5	**51.2**	<1.0	**67.2**	**339**	**21.6**	**124**	**205**	**486**	**1,450**	**875**	**1,340**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	<10.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<4.0	<4.0	<4.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<30.0	<30.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	**3.5**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	**1.4**	**1.1**	**1.2**	**1.0**	**1.1**	**1.6**	**1.6**	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**7.3**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**1.9**	**7.7**	**23.4**	**3.9**	**77.1**	**21.7**	**14.6**	**57.8**	**104**	**79.3**	**188**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	**3.8**	**1.8**	<1.0	**2.2**	**11.9**	**4.0**	**2.7**	**9.8**	**1.6**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	**1.2**	**2.3**	**2.3**	<1.0	**1.3**	**1.3**	**1.2**	**1.1**	**1.3**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**6.6**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	<1.0	**26.9**	**15.9**	**7.1**	**23.2**	**189**	**25.7**	**7.3**	**55.2**	**5.2**	**22.3**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Collected Date and Time	5/09	11/21/11	08/28/11	05/19/11	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/17/09	09/24/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichloroethane	3	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**62.0**	**32.4**	**77.9**	**48.7**	**33.5**	**5.9**	**2.2**	**3.8**	**34.2**	**43.4**	NA*
1,1-Dichloroethane	70	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1-Dichloroethene	6	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
1,1-Dichloropropene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichloropropane	40	<20.0	<8.0	<20.0	<8.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichlorobenzene	600	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloroethane	4	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloropropane	5	<20.0	<8.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichloropropane	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,4-Dichlorobenzene	10	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
2,2-Dichloropropane	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
2-Butanone (MEK)	4000	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	**24.1**	NA*
2-Chlorotoluene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Chlorotoluene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Acetone	700	<125	<50.0	<125	<50.0	<10.0	<10.0	<10.0	**12.9**	<100	<20.0	NA*
Allyl chloride	30	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Benzene	2	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromobenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromochloromethane	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromodichloromethane	6	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromoform	40	<20.0	<8.0	<20.0	<16.0	<8.0	<8.0	<8.0	<8.0	<80.0	<16.0	NA*
Bromomethane	10	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Carbon tetrachloride	3	<5.0	<2.0	<5.0	<8.0	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
Chlorobenzene	100	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroethane	300	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroform	30	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloromethane	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
cis-1,2-Dichloroethene	50	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
cis-1,3-Dichloropropene	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Dibromochloromethane	10	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dibromomethane	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<1.0	<10.0	<2.0	NA*
Dichlorodifluoromethane	1000	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dichlorofluoromethane	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Ethylbenzene	700	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<25.0	<10.0	<25.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
m&p-Xylene	NL	<10.0	<4.0	<10.0	<4.0	<2.0	<2.0	<2.0	<2.0	<20.0	<4.0	NA*
Methylene Chloride	5	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Methyl-tert-butyl ether	70	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Naphthalene	300	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
n-Butylbenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
n-Propylbenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
o-Xylene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
p-Isopropyltoluene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
sec-Butylbenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Styrene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
tert-Butylbenzene	NL	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Tetrachloroethene	5	**389**	**700**	**698**	**415**	**262**	**131**	**66.9**	**90.3**	**1,480**	**1,850**	**14,200**
Tetrahydrofuran	100	<50.0	<20.0	<50.0	<20.0	<10.0	<10.0	<10.0	**18.4**	<100	**46.1**	NA*
Toluene	1000	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<20.0	<8.0	<20.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
trans-1,3-Dichloropropene	NL	<20.0	<8.0	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Trichloroethene	5	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
Trichlorofluoromethane	2000	<5.0	<2.0	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Vinyl chloride	0.2	<2.0	<0.80	<2.0	<0.80	<0.40	<0.40	<0.40	<0.40	<4.0	<0.80	<40.0
Xylene (Total)	10000	<15.0	<6.0	<15.0	<6.0	<3.0	<3.0	<3.0	<3.0	<30.0	<6.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/23/10	11/16/09	10/01/09	12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**1.4**	**1.6**	**1.9**	**2.3**	**3.5**	**3.0**	**4.1**	**3.2**	**2.7**	**3.7**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**7.2**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**1.5**	**1.5**	**5.0**	**4.8**	**6.6**	**1.8**	**3.1**	**3.0**	**7.1**	**4.2**	**30.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/22/10	11/16/09	10/01/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	**1.1**	<1.0	<1.0	**2.0**	<1.0	**1.5**	**3.3**	**6.4**	**6.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.1**	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	**1.0**	**2.8**	**1.2**	**1.8**	<1.0	**1.3**	**1.4**	**2.2**	**2.2**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**6.4**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	<1.0	**1.2**	<1.0	<1.0	**3.3**	**1.3**	**2.8**	**5.7**	**9.5**	**15.7**	**104**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/22/10	11/16/09	10/01/09	12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichloroethane	3	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**3.1**	**19.7**	**43.6**	**23.0**	**127**	**63.8**	**39.3**	**261**	**1,390**	**779**	NA*
1,1-Dichloroethane	70	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1-Dichloroethene	6	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
1,1-Dichloropropene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichloropropane	40	<4.0	<8.0	<8.0	<8.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichlorobenzene	600	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloroethane	4	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloropropane	5	<4.0	<8.0	<8.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichloropropane	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,4-Dichlorobenzene	10	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
2,2-Dichloropropane	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
2-Butanone (MEK)	4000	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
2-Chlorotoluene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Chlorotoluene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Acetone	700	<25.0	<50.0	<50.0	<50.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Allyl chloride	30	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Benzene	2	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromobenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromochloromethane	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromodichloromethane	6	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromoform	40	<4.0	<8.0	<8.0	<16.0	<40.0	<40.0	<80.0	<400	<2000	<80.0	NA*
Bromomethane	10	<4.0	<8.0	<8.0	<20.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Carbon tetrachloride	3	<1.0	<2.0	<2.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
Chlorobenzene	100	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroethane	300	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroform	30	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloromethane	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
cis-1,2-Dichloroethene	50	**1.0**	**7.3**	**4.1**	**2.6**	**12.6**	<5.0	<10.0	<50.0	<250	**24.0**	**133**
cis-1,3-Dichloropropene	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Dibromochloromethane	10	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dibromomethane	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<250	<10.0	NA*
Dichlorodifluoromethane	1000	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dichlorofluoromethane	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Ethylbenzene	700	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<10.0	<10.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
m&p-Xylene	NL	<2.0	<4.0	<4.0	<4.0	<10.0	<10.0	<20.0	<100	<500	<20.0	NA*
Methylene Chloride	5	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Methyl-tert-butyl ether	70	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Naphthalene	300	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
n-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
n-Propylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
o-Xylene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
p-Isopropyltoluene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
sec-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Styrene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
tert-Butylbenzene	NL	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Tetrachloroethene	5	**75.0**	**590**	**1310**	**322**	**2120**	**696**	**815**	**4,390**	**21,000**	**6,890**	**14,100**
Tetrahydrofuran	100	<10.0	<20.0	<20.0	<20.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Toluene	1000	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<8.0	<8.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<8.0	<8.0	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Trichloroethene	5	<1.0	<2.0	2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	**35.0**
Trichlorofluoromethane	2000	<1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Vinyl chloride	0.2	<0.40	<0.80	<0.80	<0.80	<2.0	<2.0	<4.0	<20.0	<100	<4.0	<0.40
Xylene (Total)	10000	<3.0	<6.0	<6.0	<6.0	<15.0	<15.0	<30.0	<150	<750	<30.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/22/10	11/16/09	10/01/09	12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**11.5**	**6.5**	**15.8**	**21.6**	**25.1**	**25.4**	**46.8**	**76.2**	**199**	**249**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<10.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	**1.4**	<1.0	**1.1**	**1.4**	**1.8**	**2.5**	<5.0	<5.0	<5.0	**2.4**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
cis-1,2-Dichloroethene	50	**1.0**	**1.3**	**1.0**	**1.8**	**2.2**	**2.4**	<5.0	**5.4**	**7.9**	**4.8**	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<10.0	<4.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**6.1**	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene	5	**106**	**107**	**109**	**145**	**209**	**174**	**412**	**639**	**1,100**	**803**	**363**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<2.0	<2.0	<2.0	<0.80	<2.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<15.0	<15.0	<6.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/22/10	11/16/09	10/01/09	12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.0**	<1.0	**2.7**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	**12.2**	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**7.2**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**3.6**	**3.6**	**3.6**	**4.8**	**8.6**	**8.4**	**26.0**	**96.8**	**130**	**250**	**257**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	**1.2**	**2.1**	**2.6**	<2.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time	5/09	11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/23/10	11/16/09	09/24/09	12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.9**	**2.4**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**5.5**	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**5.2**	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	**2.7**	**2.9**	**4.7**	**4.8**	**4.8**	**4.2**	**7.2**	**12.9**	**13.6**	**17.4**	**2.4**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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	MDH Health Risk Limits 5/09	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Collected Date and Time		11/21/11	08/28/11	05/19/11	03/01/11	11/18/10	08/18/10	05/12/10	02/23/10	11/16/09	10/01/09	12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**2.5**	<1.0	**2.3**	**8.6**	**2.7**	**2.8**	**11.2**	**20.9**	**37.4**	**33.5**	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0	<20.0	<20.0	<20.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<16.0	<16.0	<16.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<4.0	<4.0	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	**8.6**	<8.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<2.0	<2.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	**5.2**	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene	5	**32.5**	**12.2**	**16.8**	**211**	**50.9**	**74.7**	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	**36.1**	<20.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.9**	<2.0	<2.0	<1.0	<5.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<0.80	<0.80	<0.40	<2.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0	<6.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

1,620 Parameter detected above MDH Health Risk 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	MW-19	MW-19	MW20	MW20
Collected Date	09/24/2009 11:40	12/03/2008 16:59	10/01/2009 06:00	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-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-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-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-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

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-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-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
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-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-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

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-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-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-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-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

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-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

Notes:
Bold - number has exceeded the range of the instrument

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

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	

Notes:
NR: Not recorded.
NP: Not pumping
MF: Meter Failure
1. Discharge flowmeter malfunction caused invalid field totalizer reading; therefore, analog flow tatalizer 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	

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**

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-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

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-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

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-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

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-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

* - temporarily operating with DPE-8 because

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-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

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-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

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-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

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-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

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			
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

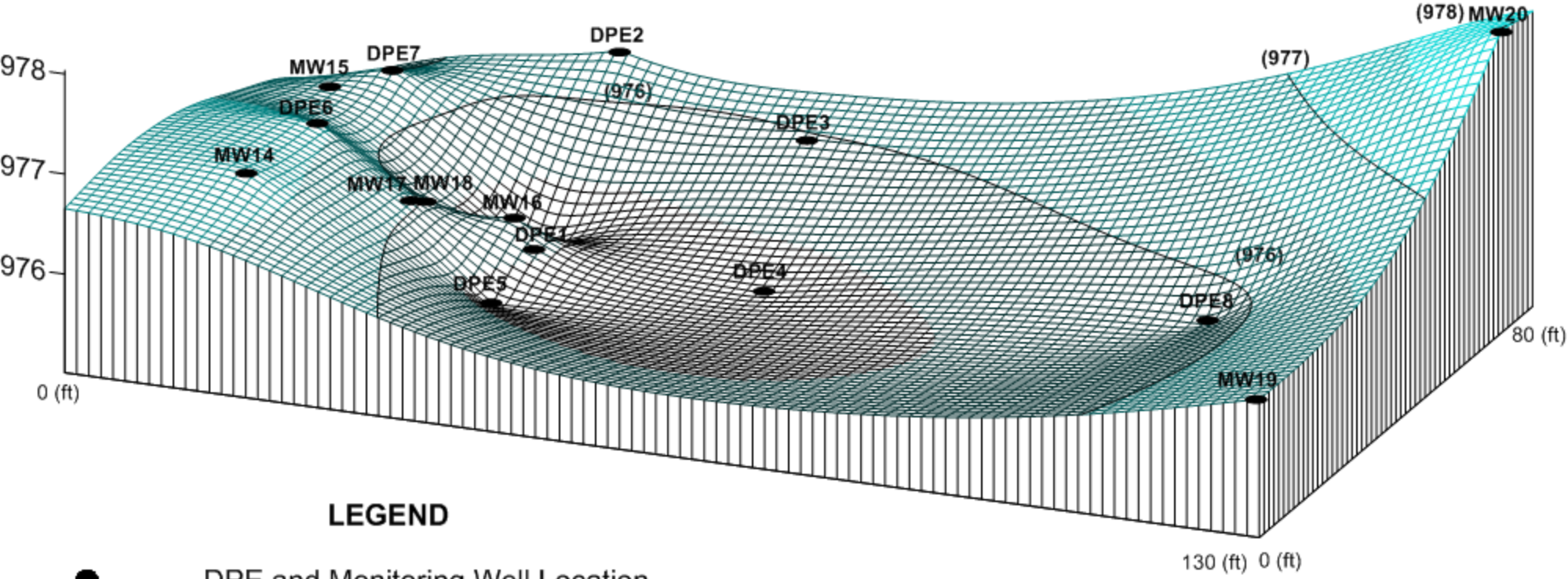
Maintenance Item	Jan-11	Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
DPE Pump Maintenance												
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Jan 6, 20	Feb 28	Mar 18, 23	Apr, 22	May, 19	Jun 15	Jul 25	Aug 28	Sep 11	Oct 27	Nov 21	
- Check Oil Level (level 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 for Water Leaks - MONTHLY	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	
- Replace Transfer Pump Stator - SEMI-ANNUALLY			Mar 18		May, 19		Jul 25	Aug 28		Oct 18		
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 Fittings for Water Leaks - MONTHLY	Jan 6, 20	Feb 28	Mar 7, 18	Apr, 22	May, 19	Jun 15,	Jul 25	Aug 28	Sep 11	Oct 18	Nov 21	
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	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	
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 FIGURE 1

3D GROUNDWATER FLOW INTERPRETATION
November 21, 2011

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: 11/21/11
TIME: 11:00
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: #2
DPE WELL BLEED VALVE % OPEN:
DPE PUMP BLEED VALVE % OPEN:

ANALOG PANEL READINGS
DPE PUMP AIR FLOW (SCFM): 39.2
DPE WELL VACUUM (IN. HG): 22.5
DPE PUMP INLET VACUUM (IN. HG): 22.7
DPE PUMP OUTLET PRESSURE (PSI): 0.03
DPE PUMP OUTLET TEMP (DEG. F): 256
MS PUMP WATER FLOW (GPM): 12.08

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 16619
MS PUMP (HRS): 1040
MS VACUUM VALVE (HRS): 199
AIR STRIPPER BLOWER (HRS): 6384
AIR STRIPPER PUMP (HRS): 485
DPE AIR FLOW (SCF): 72526000
MS PUMP WATER FLOW (GAL): 716049
SUMP PUMP WATER FLOW (GAL):

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 18.9
PRE-MANIFOLD VACUUM (IN. HG): 18.9
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 19.0
POST-MS-1 VACUUM (IN. HG): 21.5
POST-MS-2 VACUUM (IN. HG): 22.5
DPE PUMP AIR FLOW (SCFM): 40
DPE EXHAUST PID CONC. (PPM): 365
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 238

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.2
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 16.5
MS PUMP FLOW TOTALIZER READING (GAL): 143520

AS EXHAUST PRESSURE (IN. H20): 9
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 24
AS BLOWER PRESSURE (IN. H20): 13
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	12.77
MW-15	4	18	15.89
MW-16	10	18	13.68
MW-17	7	25	13.48
MW-18	6	60	13.88
MW-19	1	20	14.74
MW-20	8	16.7	13.46
DPE-1	15	21.9	17.40
DPE-2	13	20.5	16.69
DPE-3	14	17.1	16.81
DPE-4	12	19.3	17.11
DPE-5	9	18.1	17.18
DPE-6	5	19.5	15.81
DPE-7	2	22.2	17.14
DPE-8	11	17.5	17.11
Sump	1	7.74	7.31

OPERATING WATER LEVELS

DPE-1	21.2
DPE-2	20.4
DPE-3	17.2
DPE-4	19.1
DPE-5	18.0
DPE-6	19.8
DPE-7	22.1
DPE-8	17.6

SUMP ROOM PID:

BASEMENT PID READINGS:

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:
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	580	44	22.08	49
DPE-2	365	39	22.4	151
DPE-3	429	69	19.6	148
DPE-4	120	65	20.0	125
DPE-5	270	97.6	16.9	115
DPE-6	40	62	20.4	105
DPE-7	10	64	19.7	49
DPE-8	0.6	94	17.3	75

Started CAV - 28 # 1 11:30

AS - influent 11:00

AS - Effluent 11:05

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 11/21/14

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	✓	Done
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	NA	
- Check Sediment - MONTHLY	NA	
- Remove Sediment - MONTHLY	NA	
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs	NA	
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs	NA	
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	NA	
- Replace Transfer Pump Stator - SEMI-ANNUALLY	NA	
- Clean Discharge Flow Meter - SEMI-ANNUALLY	NA	
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED	✓	1-Gallon Acid
- Clean Floats - Quarterly	NA	
- 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	✓	
- Clean - AS NEEDED	NA	
- Rebuild - AS NEEDED	NA	

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: Multiple Location Date: May 19, 2011

Station: _____ Sample time: _____

Multiple Sampling Log:		Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Location:								
DPE-1:		11:40	18.4	7621	7.69	53	5.89	
DPE-2:		11:59	18.5	2767	7.56	-46	2.02	
DPE-3:		12:20	17.6	3012	7.54	-45	2.70	
DPE-4:		12:40	17.8	2265	7.38	-42	2.09	
DPE-5:		13:00	18.5	2939	7.76	-56	4.77	
DPE-6:		13:20	19.3	648	8.15	-76	3.49	
DPE-7:		13:40	19.7	727	7.92	-64	3.48	
DPE-8:		14:00	18.55	5100	7.20	-28	3.38	
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.

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-14 Date: ~~May 19, 2011~~ 4/26/11

Station: Sample time: 15:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	12.77		19.7	1123	6.92	14.2	3.93	
Water depth[1]:	4.48							
Well volume (gal):	.73							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:								
Stop time:								
Duration (min.):		Odor:	NO					
Rate, gpm:		Purge appearance:	cloudy					
Volume purged:	.7	Sample appearance:	cloudy					
Duplicate collected?	NO	Comments:	.7 Gallons purged 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-10

Location: MW-15 Date: ~~May 19, 2011~~ 5/20/11

Station: Sample time: 16:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	15.39	✓	18.5	14	7.38	-37	97.3	
Water depth[1]:	.43							
Well volume (gal):	~~~							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	~~~							
Stop time:	~~~							
Duration (min.):	~~~	Odor:	No					
Rate, gpm:	~~~	Purge appearance:	cloudy					
Volume purged:	0.5	Sample appearance:	cloudy					
Duplicate collected?	~~~	Comments:	1/2 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-10

Location: MW-16 Date: ~~May 19, 2011~~ 11/2/11

Station: Sample time: 20:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	13.68		19.7	2535	7.17	-26	3.35	
Water depth[1]:	.71							
Well volume (gal):								
Purge method:	Whale							
Sample Method:	Bailer							
Start time:								
Stop time:								
Duration (min.):		Odor:	No					
Rate, gpm:		Purge appearance:		cloudy				
Volume purged:	0.8	Sample appearance:		cloudy				
Duplicate collected?		Comments:	0.8 Gallons Drill					
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-10

Location: MW-17 Date: ~~May 19, 2011~~ 11/21/11

Station: 25 Sample time: 18:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	13.48		19.81	1977	7.26	-31	0.83	
Water depth[1]:	1.8							
Well volume (gal):	/							
Purge method:	Whale							
Sample Method:	Bale							
Start time:	/							
Stop time:	/							
Duration (min.):	/	Odor:	No					
Rate, gpm:	/	Purge appearance:	cloudy					
Volume purged:	1.9	Sample appearance:	cloudy					
Duplicate collected?	/	Comments: 1.9 gallons evac						
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-10

Location: MW-18 Date: ~~May 19, 2011~~ 6/2/11

Station: Sample time: 17:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	13.88		19.8	1840	7.31	-34	1.03	
Water depth[1]:	7.5							
Well volume (gal):								
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:	yes - Petro					
Rate, gpm:		Purge appearance:	~~no~~ cloudy					
Volume purged:	8.0	Sample appearance:	cloudy					
Duplicate collected?		Comments:	8 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-10

Location: MW-19 Date: ~~May 19, 2011~~ 5/12/11

Station: Sample time: 14:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	14.74	/	17.1	64	5.18	+300	5.93	
Water depth[1]:	5.26							
Well volume (gal):	.86							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:	NO					
Rate, gpm:	—	Purge appearance:	cloudy					
Volume purged:	.8	Sample appearance:	cloudy					
Duplicate collected?	No	Comments: .8 gallon 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:								

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-20 Date: ~~May 19, 2011~~ 11/21/11

Station: Sample time: 19:50

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	13.46		18.45	5491	5.19	253	1.89	
Water depth[1]:	3.24							
Well volume (gal):	.5							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:	NO					
Rate, gpm:	—	Purge appearance:	cloudy					
Volume purged:	0.5	Sample appearance:	cloudy					
Duplicate collected?	NO	Comments:						
Sampled by:	—							
Others present:		Well Condition						
Analysis:	VOC	filtered metal	ml filter	in-line filter	others:			
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Attachment B

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

December 01, 2011

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

RE: Project: CRC - City of Rochester
Pace Project No.: 10176542

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2011. 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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CERTIFICATIONS

Project: CRC - City of Rochester
Pace Project No.: 10176542

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.: 10176542

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10176542001	**DPE-EXHAUST-1627**	Air	11/21/11 18:30	11/22/11 14:12
10176542002	**CAN ID# 0643**	Air		11/22/11 14:12

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SAMPLE ANALYTE COUNT

Project: CRC - City of Rochester
Pace Project No.: 10176542

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10176542001	**DPE-EXHAUST-1627**	TO-15	CJR	61

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ANALYTICAL RESULTS

Project: CRC - City of Rochester
Pace Project No.: 10176542

Sample: DPE-EXHAUST-1627 **Lab ID: 10176542001** Collected: 11/21/11 18:30 Received: 11/22/11 14:12 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**693**	ug/m3	114	236.8		12/01/11 10:45	67-64-1	
Benzene	ND	ug/m3	77.0	236.8		12/01/11 10:45	71-43-2	
Benzyl chloride	ND	ug/m3	249	236.8		12/01/11 10:45	100-44-7	
Bromodichloromethane	ND	ug/m3	332	236.8		12/01/11 10:45	75-27-4	
Bromoform	ND	ug/m3	497	236.8		12/01/11 10:45	75-25-2	
Bromomethane	ND	ug/m3	187	236.8		12/01/11 10:45	74-83-9	
1,3-Butadiene	ND	ug/m3	107	236.8		12/01/11 10:45	106-99-0	
2-Butanone (MEK)	**343**	ug/m3	142	236.8		12/01/11 10:45	78-93-3	
Carbon disulfide	ND	ug/m3	149	236.8		12/01/11 10:45	75-15-0	
Carbon tetrachloride	ND	ug/m3	152	236.8		12/01/11 10:45	56-23-5	
Chlorobenzene	ND	ug/m3	223	236.8		12/01/11 10:45	108-90-7	
Chloroethane	ND	ug/m3	128	236.8		12/01/11 10:45	75-00-3	
Chloroform	ND	ug/m3	234	236.8		12/01/11 10:45	67-66-3	
Chloromethane	ND	ug/m3	99.5	236.8		12/01/11 10:45	74-87-3	
Cyclohexane	ND	ug/m3	161	236.8		12/01/11 10:45	110-82-7	
Dibromochloromethane	ND	ug/m3	403	236.8		12/01/11 10:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	379	236.8		12/01/11 10:45	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	284	236.8		12/01/11 10:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	284	236.8		12/01/11 10:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	284	236.8		12/01/11 10:45	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	237	236.8		12/01/11 10:45	75-71-8	
1,1-Dichloroethane	ND	ug/m3	194	236.8		12/01/11 10:45	75-34-3	
1,2-Dichloroethane	ND	ug/m3	97.1	236.8		12/01/11 10:45	107-06-2	
1,1-Dichloroethene	ND	ug/m3	192	236.8		12/01/11 10:45	75-35-4	
cis-1,2-Dichloroethene	**262**	ug/m3	192	236.8		12/01/11 10:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	192	236.8		12/01/11 10:45	156-60-5	
1,2-Dichloropropane	ND	ug/m3	223	236.8		12/01/11 10:45	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	218	236.8		12/01/11 10:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	218	236.8		12/01/11 10:45	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	332	236.8		12/01/11 10:45	76-14-2	
Ethanol	**777**	ug/m3	450	236.8		12/01/11 10:45	64-17-5	SS
Ethyl acetate	ND	ug/m3	173	236.8		12/01/11 10:45	141-78-6	
Ethylbenzene	ND	ug/m3	208	236.8		12/01/11 10:45	100-41-4	
4-Ethyltoluene	ND	ug/m3	592	236.8		12/01/11 10:45	622-96-8	
n-Heptane	ND	ug/m3	197	236.8		12/01/11 10:45	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	521	236.8		12/01/11 10:45	87-68-3	
n-Hexane	ND	ug/m3	170	236.8		12/01/11 10:45	110-54-3	
2-Hexanone	ND	ug/m3	197	236.8		12/01/11 10:45	591-78-6	
Methylene Chloride	ND	ug/m3	168	236.8		12/01/11 10:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	197	236.8		12/01/11 10:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	173	236.8		12/01/11 10:45	1634-04-4	
Naphthalene	ND	ug/m3	639	236.8		12/01/11 10:45	91-20-3	
2-Propanol	ND	ug/m3	592	236.8		12/01/11 10:45	67-63-0	
Propylene	ND	ug/m3	82.9	236.8		12/01/11 10:45	115-07-1	
Styrene	ND	ug/m3	206	236.8		12/01/11 10:45	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	165	236.8		12/01/11 10:45	79-34-5	
Tetrachloroethene	**22100**	ug/m3	163	236.8		12/01/11 10:45	127-18-4	

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ANALYTICAL RESULTS

Project: CRC - City of Rochester
Pace Project No.: 10176542

Sample: DPE-EXHAUST-1627 **Lab ID: 10176542001** Collected: 11/21/11 18:30 Received: 11/22/11 14:12 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	142	236.8		12/01/11 10:45	109-99-9	
Toluene	ND	ug/m3	182	236.8		12/01/11 10:45	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	234	236.8		12/01/11 10:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	260	236.8		12/01/11 10:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	130	236.8		12/01/11 10:45	79-00-5	
Trichloroethene	**294**	ug/m3	130	236.8		12/01/11 10:45	79-01-6	
Trichlorofluoromethane	ND	ug/m3	260	236.8		12/01/11 10:45	75-69-4	
1,1,2-Trichlorotrifluoroethane	**244000**	ug/m3	12100	7577.6		12/01/11 13:20	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	237	236.8		12/01/11 10:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	237	236.8		12/01/11 10:45	108-67-8	
Vinyl acetate	ND	ug/m3	168	236.8		12/01/11 10:45	108-05-4	
Vinyl chloride	ND	ug/m3	61.6	236.8		12/01/11 10:45	75-01-4	
m&p-Xylene	ND	ug/m3	417	236.8		12/01/11 10:45	179601-23-1	
o-Xylene	ND	ug/m3	208	236.8		12/01/11 10:45	95-47-6	

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QUALITY CONTROL DATA

Project: CRC - City of Rochester
Pace Project No.: 10176542

QC Batch: AIR/13734
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10176542001

METHOD BLANK: 1107428
Matrix: Air
Associated Lab Samples: 10176542001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	11/30/11 23:08	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	11/30/11 23:08	
1,1,2-Trichloroethane	ug/m3	ND	0.55	11/30/11 23:08	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	11/30/11 23:08	
1,1-Dichloroethane	ug/m3	ND	0.82	11/30/11 23:08	
1,1-Dichloroethene	ug/m3	ND	0.81	11/30/11 23:08	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	11/30/11 23:08	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	11/30/11 23:08	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	11/30/11 23:08	
1,2-Dichlorobenzene	ug/m3	ND	1.2	11/30/11 23:08	
1,2-Dichloroethane	ug/m3	ND	0.41	11/30/11 23:08	
1,2-Dichloropropane	ug/m3	ND	0.94	11/30/11 23:08	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	11/30/11 23:08	
1,3-Butadiene	ug/m3	ND	0.45	11/30/11 23:08	
1,3-Dichlorobenzene	ug/m3	ND	1.2	11/30/11 23:08	
1,4-Dichlorobenzene	ug/m3	ND	1.2	11/30/11 23:08	
2-Butanone (MEK)	ug/m3	ND	0.60	11/30/11 23:08	
2-Hexanone	ug/m3	ND	0.83	11/30/11 23:08	
2-Propanol	ug/m3	ND	2.5	11/30/11 23:08	
4-Ethyltoluene	ug/m3	ND	2.5	11/30/11 23:08	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	11/30/11 23:08	
Acetone	ug/m3	ND	0.48	11/30/11 23:08	
Benzene	ug/m3	ND	0.32	11/30/11 23:08	
Benzyl chloride	ug/m3	ND	1.0	11/30/11 23:08	
Bromodichloromethane	ug/m3	ND	1.4	11/30/11 23:08	
Bromoform	ug/m3	ND	2.1	11/30/11 23:08	
Bromomethane	ug/m3	ND	0.79	11/30/11 23:08	
Carbon disulfide	ug/m3	ND	0.63	11/30/11 23:08	
Carbon tetrachloride	ug/m3	ND	0.64	11/30/11 23:08	
Chlorobenzene	ug/m3	ND	0.94	11/30/11 23:08	
Chloroethane	ug/m3	ND	0.54	11/30/11 23:08	
Chloroform	ug/m3	ND	0.99	11/30/11 23:08	
Chloromethane	ug/m3	ND	0.42	11/30/11 23:08	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	11/30/11 23:08	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	11/30/11 23:08	
Cyclohexane	ug/m3	ND	0.68	11/30/11 23:08	
Dibromochloromethane	ug/m3	ND	1.7	11/30/11 23:08	
Dichlorodifluoromethane	ug/m3	ND	1.0	11/30/11 23:08	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	11/30/11 23:08	
Ethanol	ug/m3	ND	1.9	11/30/11 23:08	
Ethyl acetate	ug/m3	ND	0.73	11/30/11 23:08	
Ethylbenzene	ug/m3	ND	0.88	11/30/11 23:08	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	11/30/11 23:08	

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QUALITY CONTROL DATA

Project: CRC - City of Rochester
Pace Project No.: 10176542

METHOD BLANK: 1107428 Matrix: Air

Associated Lab Samples: 10176542001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	11/30/11 23:08	
Methyl-tert-butyl ether	ug/m3	ND	0.73	11/30/11 23:08	
Methylene Chloride	ug/m3	ND	0.71	11/30/11 23:08	
n-Heptane	ug/m3	ND	0.83	11/30/11 23:08	
n-Hexane	ug/m3	ND	0.72	11/30/11 23:08	
Naphthalene	ug/m3	ND	2.7	11/30/11 23:08	
o-Xylene	ug/m3	ND	0.88	11/30/11 23:08	
Propylene	ug/m3	ND	0.35	11/30/11 23:08	
Styrene	ug/m3	ND	0.87	11/30/11 23:08	
Tetrachloroethene	ug/m3	ND	0.69	11/30/11 23:08	
Tetrahydrofuran	ug/m3	ND	0.60	11/30/11 23:08	
Toluene	ug/m3	ND	0.77	11/30/11 23:08	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	11/30/11 23:08	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	11/30/11 23:08	
Trichloroethene	ug/m3	ND	0.55	11/30/11 23:08	
Trichlorofluoromethane	ug/m3	ND	1.1	11/30/11 23:08	
Vinyl acetate	ug/m3	ND	0.71	11/30/11 23:08	
Vinyl chloride	ug/m3	ND	0.26	11/30/11 23:08	

LABORATORY CONTROL SAMPLE: 1107429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	57.9	104	66-133	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	78.2	112	70-140	
1,1,2-Trichloroethane	ug/m3	55.5	59.3	107	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	99.5	128	60-137	
1,1-Dichloroethane	ug/m3	41.2	51.0	124	65-131	
1,1-Dichloroethene	ug/m3	40.3	49.5	123	65-132	
1,2,4-Trichlorobenzene	ug/m3	75.5	75.6	100	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	53.3	107	69-140	
1,2-Dibromoethane (EDB)	ug/m3	78.1	82.2	105	71-139	
1,2-Dichlorobenzene	ug/m3	61.2	61.7	101	68-139	
1,2-Dichloroethane	ug/m3	41.2	52.9	129	66-132	
1,2-Dichloropropane	ug/m3	47	45.6	97	69-130	
1,3,5-Trimethylbenzene	ug/m3	50	53.9	108	70-141	
1,3-Butadiene	ug/m3	22.5	28.3	126	68-128	
1,3-Dichlorobenzene	ug/m3	61.2	62.9	103	66-146	
1,4-Dichlorobenzene	ug/m3	61.2	62.6	102	66-142	
2-Butanone (MEK)	ug/m3	30	32.4	108	68-134	
2-Hexanone	ug/m3	41.7	44.9	108	70-144	
2-Propanol	ug/m3	23.8	24.2	102	66-139	
4-Ethyltoluene	ug/m3	50	53.6	107	65-145	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	40.5	97	70-139	
Acetone	ug/m3	24.2	25.5	105	56-142	
Benzene	ug/m3	32.5	35.0	108	69-129	

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QUALITY CONTROL DATA

Project: CRC - City of Rochester
Pace Project No.: 10176542

LABORATORY CONTROL SAMPLE: 1107429

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	53.7	102	68-138	
Bromodichloromethane	ug/m3	68.2	75.5	111	70-130	
Bromoform	ug/m3	105	107	101	67-147	
Bromomethane	ug/m3	39.5	48.3	122	67-127	SS
Carbon disulfide	ug/m3	31.7	39.5	125	65-131	
Carbon tetrachloride	ug/m3	64	66.4	104	62-137	
Chlorobenzene	ug/m3	46.8	49.1	105	72-133	
Chloroethane	ug/m3	26.8	32.8	122	66-127	
Chloroform	ug/m3	49.7	53.8	108	67-130	
Chloromethane	ug/m3	21	25.8	123	63-127	
cis-1,2-Dichloroethene	ug/m3	40.3	42.7	106	69-130	
cis-1,3-Dichloropropene	ug/m3	46.2	49.5	107	74-137	
Cyclohexane	ug/m3	35	34.0	97	69-137	
Dibromochloromethane	ug/m3	86.6	90.1	104	69-140	
Dichlorodifluoromethane	ug/m3	50.3	54.6	109	62-131	
Dichlorotetrafluoroethane	ug/m3	71.1	90.3	127	63-130	
Ethanol	ug/m3	19.2	22.8	119	63-135	SS
Ethyl acetate	ug/m3	36.6	35.0	95	70-135	
Ethylbenzene	ug/m3	44.2	47.4	107	71-141	
Hexachloro-1,3-butadiene	ug/m3	108	92.8	86	30-150	
m&p-Xylene	ug/m3	88.3	115	130	68-144	
Methyl-tert-butyl ether	ug/m3	36.7	40.5	110	54-136	
Methylene Chloride	ug/m3	35.3	37.7	107	56-143	
n-Heptane	ug/m3	41.7	40.1	96	72-130	
n-Hexane	ug/m3	35.8	40.9	114	68-130	
Naphthalene	ug/m3	53.3	51.5	97	30-150	
o-Xylene	ug/m3	44.2	55.3	125	70-141	
Propylene	ug/m3	17.5	21.5	123	61-139	
Styrene	ug/m3	43.3	45.1	104	68-145	
Tetrachloroethene	ug/m3	69	69.3	100	64-142	
Tetrahydrofuran	ug/m3	30	32.0	107	70-134	SS
Toluene	ug/m3	38.3	41.2	108	69-133	
trans-1,2-Dichloroethene	ug/m3	40.3	43.1	107	64-132	
trans-1,3-Dichloropropene	ug/m3	46.2	47.9	104	71-140	
Trichloroethene	ug/m3	54.6	54.5	100	68-132	
Trichlorofluoromethane	ug/m3	57.1	71.2	125	59-136	
Vinyl acetate	ug/m3	35.8	34.2	95	70-142	
Vinyl chloride	ug/m3	26	28.5	110	64-129	

SAMPLE DUPLICATE: 1107851

Parameter	Units	10175929001 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.: 10176542

SAMPLE DUPLICATE: 1107851

Parameter	Units	10175929001 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	1.3	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	4.4	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	13.0	11.0	17	25	
Benzene	ug/m3	ND	.32J		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	1.4	1.3	2	25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	1.7		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	2.1	1.7	19	25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	23.1	18.1	24	25	SS
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	3.0	2.6	15	25	
n-Heptane	ug/m3	1.3	1.2	5	25	
n-Hexane	ug/m3	2.2	2.0	13	25	
Naphthalene	ug/m3	6.3	3.3J		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	1.3	1.2J		25	
Tetrachloroethene	ug/m3	ND	ND		25	

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

QUALITY CONTROL DATA

Project: CRC - City of Rochester
Pace Project No.: 10176542

SAMPLE DUPLICATE: 1107851

Parameter	Units	10175929001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	1.8	1.5	19	25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	2.0	2.0	2	25	
Trichlorofluoromethane	ug/m3	ND	1.2J		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

Pace Analytical Services, Inc.
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QUALIFIERS

Project: CRC - City of Rochester
Pace Project No.: 10176542

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.

SAMPLE QUALIFIERS

Sample: 10176542001

[1] The Total Hydrocarbon (THC) pattern occured in the first half of the chromatogram (before toluene).

[2] This result is reported from a serial dilution

ANALYTE QUALIFIERS

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC - City of Rochester
Pace Project No.: 10176542

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10176542001	**DPE-EXHAUST-1627**	TO-15	AIR/13734		

Data File: \\192.168.10.12\chem\10airD.i\113011.b\33436.D
Report Date: 01-Dec-2011 11:16

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 10176542001
Operator : CJR
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 01-DEC-2011 10:45

Client SDG: 113011.b

Sample Date:
Sample Point:
Date Received:
Level: LOW

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/KG) ppbv

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.		Unknown	2.934	62600	J
2.	79-38-9	Ethene, chlorotrifluoro-	3.052	911	NJ
3.		Unknown	3.156	918	J
4.	75-28-5	Isobutane	3.205	254	NJ
5.		Unknown	3.264	367	J
6.		Unknown	3.715	62.6	J
7.	556-67-2	Cyclotetrasiloxane, octamet	12.737	287	NJ
8.		Unknown	14.832	135	J
9.		Unknown	15.231	207	J
10.		Unknown	16.483	396	J

Data File: \\192.168.10.12\chem\10airD.i\113011.b\33436.D
Report Date: 01-Dec-2011 11:16

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10airD.i\113011.b\33436.D
Lab Smp Id: 10176542001
Inj Date : 01-DEC-2011 10:45
Operator : CJR Inst ID: 10airD.i
Smp Info :
Misc Info : 13734
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10airD.i\113011.b\TO15_334-11.m
Meth Date : 01-Dec-2011 08:39 creindl Quant Type: ISTD
Cal Date : 30-NOV-2011 20:37 Cal File: 33408.D
Als bottle: 36
Dil Factor: 236.80000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

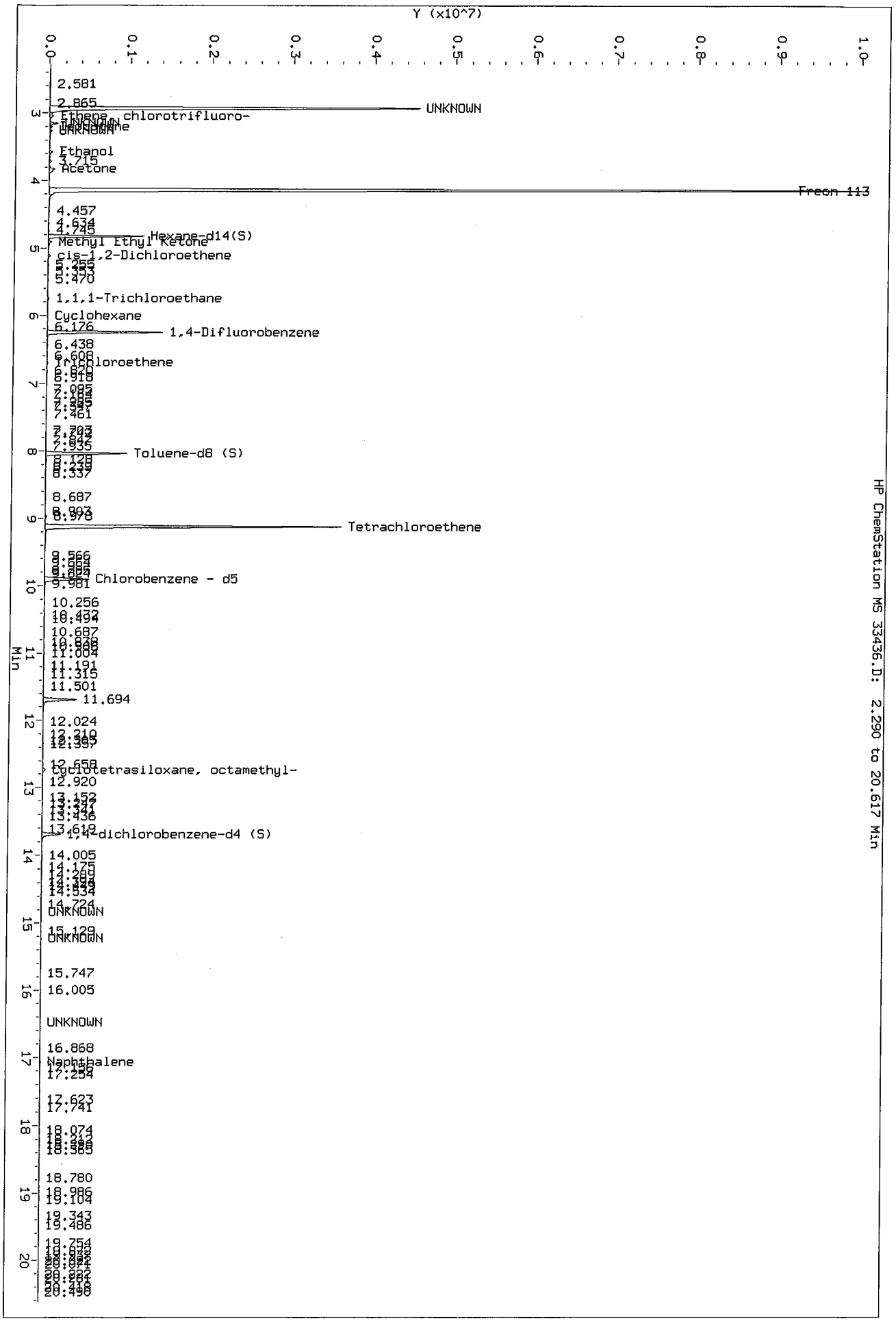
Name	Value	Description
DF	236.800	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

	COMPOUND	RT	AREA	AMOUNT
9	Ethanol	3.575	61380	1.714
13	Acetone	3.833	172342	1.212
$ 72	1,4-dichlorobenzene-d4	13.691	504572	9.124
78	Naphthalene	17.074	11085	0.390

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
2.934	9470801	264.402206	62600	0		0	9
Ethene, chlorotrifluoro-				CAS #: 79-38-9			
3.052	137839	3.84813978	911	94	NBS75K.l	64249	9
Unknown				CAS #:			
3.156	138859	3.87661123	918	0		0	9
Isobutane				CAS #: 75-28-5			
3.205	38406	1.07219981	254	83	NBS75K.l	62334	9

Data File: \\192.168.10.12\chem\10airD.i\113011.b\33436.D
Report Date: 01-Dec-2011 11:16

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.264	55574	1.55149253	367	0		0	9
Unknown				CAS #:			
3.715	37612	0.26439849	62.6	0		0	13
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
12.737	67066	1.21278417	287	72	NBS75K.l	41966	72
Unknown				CAS #:			
14.832	31537	0.57029179	135	0		0	72
Unknown				CAS #:			
15.231	48311	0.87362734	207	0		0	72
Unknown				CAS #:			
16.483	47480	1.67208952	396	0		0	78


Y (x10^7)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
2.581
2.865
UNKNOWN
Ethene, chlorotrifluoro-
UNKNOWN
Ethanol
3.715
Acetone
Freon 113
4.457
4.634
4.745
Hexane-d14(S)
Methyl Ethyl Ketone
cis-1,2-Dichloroethene
5.255
5.470
1,1,1-Trichloroethane
Cyclohexane
6.176
1,4-Difluorobenzene
6.438
6.608
Trichloroethene
6.918
7.085
7.461
7.703
7.935
Toluene-d8 (S)
8.337
8.687
8.978
Tetrachloroethene
9.566
9.981
Chlorobenzene - d5
10.256
10.687
11.004
11.191
11.315
11.501
11.694
12.024
12.658
Cyclotetrasiloxane, octamethyl-
12.920
13.152
13.436
13.619
1,4-dichlorobenzene-d4 (S)
14.005
14.175
14.534
14.724
UNKNOWN
15.129
UNKNOWN
15.747
16.005
UNKNOWN
16.868
Naphthalene
17.254
17.623
17.741
18.074
18.385
18.780
18.986
19.104
19.343
19.486
19.754
20.490
Min
HP ChemStation MS 33436.D: 2.290 to 20.617 Min
Data File: \\192.168.10.12\chem\10airD.i\113011.b\33436.D
Injection Date: 01-DEC-2011 10:45
Instrument: 10airD.i
Client Sample ID:

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.

10170542

10170542

Section A — Required Client Information:

Company: Landmark Environmental
Address: 2042 W. 98th Street
Bloomington, MN 55431
Email To: jskramstad@landmarkenv.com
Phone: 952-887-9601, ext 205 | Fax: 952-887-9605
Requested Due Date/TAT: Normal

Section B — Required Project Information:

Report To: Jason Skramstad
Copy To: Eric Gabrielson
Purchase Order No.:
Project Name: City of Rochester
Project Number: CRC

Section C — Invoice Information:

Attention: Jason Skramstad
Company Name: Landmark Environmental, LLC
Address: 2042 W. 98th St., Bloomington, MN 55431
Pace Quote Reference:
Pace Project Manager: Carolynne Trout
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ 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-1627	A	C	11/21/11	12:30	11/21/11	18:30											X	01
2																			02
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Filtered (Y/N)

Pace Project Number Lab I.D.

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
				11-22-11	1412	Amb

SAMPLE CONDITIONS			
Temp in °C	Received on Ice Y/N	Custody Sealed Cooler Y/N	Samples Intact 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): 11/22/11

F:\PROJECTS\Crc-City of Rochester\Analytical Reports\coc air 11-19-11.XLS

Pace Analytical

AIR Sample Condition Upon Receipt

Client Name: LANDMARK ENV. Project # 10176542

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 ☐ None ☑ Other FOAM 5

Optional
Proj. Due Date:
Proj. Name:

Tracking #: —

Comments:

Date and Initials of person examining contents: 11-22-11 (MB)

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. 11-22-11 (MB)
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 (CANS)		11.
Sample Labels match COC:	☑Yes ☐No ☐N/A	12.

Samples Received: 2 CANS 1 FC 1 SAMPLE

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
DPE-EXHAUST	1627		0079				
—	0643						

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [signature] **Date:** 11/23/11

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)

A106 Rev.01 (22May2009)

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

December 01, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10176553

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2011. 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,

Shawn Davis for
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.: 10176553

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.: 10176553

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10176553001	**MW-17**	Water	11/21/11 18:50	11/22/11 14:12
10176553002	**MW-18**	Water	11/21/11 17:50	11/22/11 14:12
10176553003	**DPE-1**	Water	11/21/11 11:40	11/22/11 14:12
10176553004	**DPE-2**	Water	11/21/11 11:59	11/22/11 14:12
10176553005	**DPE-3**	Water	11/21/11 12:20	11/22/11 14:12
10176553006	**DPE-4**	Water	11/21/11 12:40	11/22/11 14:12
10176553007	**DPE-5**	Water	11/21/11 13:00	11/22/11 14:12
10176553008	**DPE-6**	Water	11/21/11 13:20	11/22/11 14:12
10176553009	**DPE-7**	Water	11/21/11 13:40	11/22/11 14:12
10176553010	**DPE-8**	Water	11/21/11 14:00	11/22/11 14:12
10176553011	**MW-15**	Water	11/21/11 16:50	11/22/11 14:12
10176553012	**MW-16**	Water	11/21/11 20:50	11/22/11 14:12
10176553013	**MW-19**	Water	11/21/11 14:50	11/22/11 14:12
10176553014	**MW-20**	Water	11/21/11 19:50	11/22/11 14:12
10176553015	**MW-14**	Water	11/21/11 15:50	11/22/11 14:12
10176553016	**Trip Blank**	Water		11/22/11 14:12

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

SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10176553

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10176553001	**MW-17**	EPA 8260	DJT	73
10176553002	**MW-18**	EPA 8260	DJT	73
10176553003	**DPE-1**	EPA 8260	ECB	73
10176553004	**DPE-2**	EPA 8260	DJT	73
10176553005	**DPE-3**	EPA 8260	DJT	73
10176553006	**DPE-4**	EPA 8260	DJT	73
10176553007	**DPE-5**	EPA 8260	DJT	73
10176553008	**DPE-6**	EPA 8260	DJT	73
10176553009	**DPE-7**	EPA 8260	DJT	73
10176553010	**DPE-8**	EPA 8260	DJT	73
10176553011	**MW-15**	EPA 8260	DJT	73
10176553012	**MW-16**	EPA 8260	ECB	73
10176553013	**MW-19**	EPA 8260	DJT	73
10176553014	**MW-20**	EPA 8260	DJT	73
10176553015	**MW-14**	EPA 8260	DJT	73
10176553016	**Trip Blank**	EPA 8260	DJT	73

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-17 **Lab ID: 10176553001** Collected: 11/21/11 18:50 Received: 11/22/11 14:12 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		11/28/11 20:40	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 20:40	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 20:40	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 20:40	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 20:40	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 20:40	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 20:40	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 20:40	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 20:40	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 20:40	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 20:40	75-00-3	L3
Chloroform	**1.4**	ug/L	1.0	1		11/28/11 20:40	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 20:40	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:40	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 20:40	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 20:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 20:40	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 20:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 20:40	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:40	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:40	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 20:40	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	1		11/28/11 20:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 20:40	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:40	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:40	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 20:40	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:40	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 20:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 20:40	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 20:40	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 20:40	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 20:40	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 20:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 20:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 20:40	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-17 **Lab ID: 10176553001** Collected: 11/21/11 18:50 Received: 11/22/11 14:12 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		11/28/11 20:40	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 20:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:40	79-34-5	
Tetrachloroethene	**106**	ug/L	1.0	1		11/28/11 20:40	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 20:40	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 20:40	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:40	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 20:40	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 20:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	**11.5**	ug/L	1.0	1		11/28/11 20:40	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:40	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 20:40	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 20:40	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 20:40	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 20:40	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		11/28/11 20:40	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	75-125	1		11/28/11 20:40	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		11/28/11 20:40	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/28/11 20:40	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-18 **Lab ID: 10176553002** Collected: 11/21/11 17:50 Received: 11/22/11 14:12 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		11/28/11 19:03	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 19:03	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 19:03	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 19:03	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 19:03	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 19:03	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 19:03	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 19:03	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 19:03	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 19:03	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 19:03	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 19:03	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 19:03	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:03	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:03	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 19:03	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 19:03	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 19:03	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 19:03	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 19:03	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 19:03	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:03	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:03	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 19:03	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:03	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 19:03	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:03	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:03	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 19:03	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 19:03	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 19:03	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 19:03	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 19:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 19:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 19:03	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-18 **Lab ID: 10176553002** Collected: 11/21/11 17:50 Received: 11/22/11 14:12 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		11/28/11 19:03	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 19:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:03	79-34-5	
Tetrachloroethene	**3.6**	ug/L	1.0	1		11/28/11 19:03	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 19:03	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 19:03	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:03	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 19:03	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 19:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 19:03	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:03	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 19:03	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 19:03	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 19:03	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 19:03	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		11/28/11 19:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 19:03	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		11/28/11 19:03	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/28/11 19:03	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-1 **Lab ID: 10176553003** Collected: 11/21/11 11:40 Received: 11/22/11 14:12 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		11/29/11 20:56	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/29/11 20:56	107-05-1	
Benzene	ND	ug/L	1.0	1		11/29/11 20:56	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/29/11 20:56	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/29/11 20:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/29/11 20:56	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/29/11 20:56	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/29/11 20:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/29/11 20:56	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/29/11 20:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/29/11 20:56	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/29/11 20:56	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/29/11 20:56	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/29/11 20:56	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/29/11 20:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/29/11 20:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/29/11 20:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/29/11 20:56	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/29/11 20:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/29/11 20:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/29/11 20:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/29/11 20:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/29/11 20:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/29/11 20:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/29/11 20:56	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/29/11 20:56	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/29/11 20:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/29/11 20:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/29/11 20:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/29/11 20:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/29/11 20:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/29/11 20:56	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/29/11 20:56	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 20:56	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/29/11 20:56	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/29/11 20:56	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/29/11 20:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/29/11 20:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/29/11 20:56	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-1 **Lab ID: 10176553003** Collected: 11/21/11 11:40 Received: 11/22/11 14:12 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		11/29/11 20:56	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	103-65-1	
Styrene	ND	ug/L	1.0	1		11/29/11 20:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/29/11 20:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/29/11 20:56	79-34-5	
Tetrachloroethene	**99.2**	ug/L	1.0	1		11/29/11 20:56	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/29/11 20:56	109-99-9	
Toluene	ND	ug/L	1.0	1		11/29/11 20:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/29/11 20:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/29/11 20:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/29/11 20:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/29/11 20:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/29/11 20:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/29/11 20:56	96-18-4	
1,1,2-Trichlorotrifluoroethane	**3.2**	ug/L	1.0	1		11/29/11 20:56	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/29/11 20:56	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/29/11 20:56	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/29/11 20:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/11 20:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/11 20:56	95-47-6	
Surrogates								
Dibromofluoromethane (S)	102	%	75-125	1		11/29/11 20:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		11/29/11 20:56	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		11/29/11 20:56	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/29/11 20:56	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-2 **Lab ID: 10176553004** Collected: 11/21/11 11:59 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	250	10		11/28/11 22:34	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		11/28/11 22:34	107-05-1	
Benzene	ND	ug/L	10.0	10		11/28/11 22:34	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		11/28/11 22:34	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		11/28/11 22:34	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		11/28/11 22:34	75-27-4	
Bromoform	ND	ug/L	40.0	10		11/28/11 22:34	75-25-2	
Bromomethane	ND	ug/L	40.0	10		11/28/11 22:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	40.0	10		11/28/11 22:34	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	10		11/28/11 22:34	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	108-90-7	
Chloroethane	ND	ug/L	10.0	10		11/28/11 22:34	75-00-3	L3
Chloroform	ND	ug/L	10.0	10		11/28/11 22:34	67-66-3	
Chloromethane	ND	ug/L	40.0	10		11/28/11 22:34	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		11/28/11 22:34	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		11/28/11 22:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		11/28/11 22:34	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		11/28/11 22:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		11/28/11 22:34	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		11/28/11 22:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		11/28/11 22:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	10		11/28/11 22:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		11/28/11 22:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		11/28/11 22:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		11/28/11 22:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	40.0	10		11/28/11 22:34	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		11/28/11 22:34	75-43-4	
1,2-Dichloropropane	ND	ug/L	40.0	10		11/28/11 22:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		11/28/11 22:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		11/28/11 22:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		11/28/11 22:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		11/28/11 22:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		11/28/11 22:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		11/28/11 22:34	60-29-7	
Ethylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	10		11/28/11 22:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		11/28/11 22:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		11/28/11 22:34	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		11/28/11 22:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	40.0	10		11/28/11 22:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		11/28/11 22:34	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-2 **Lab ID: 10176553004** Collected: 11/21/11 11:59 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	40.0	10		11/28/11 22:34	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	103-65-1	
Styrene	ND	ug/L	10.0	10		11/28/11 22:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		11/28/11 22:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		11/28/11 22:34	79-34-5	
Tetrachloroethene	**890**	ug/L	10.0	10		11/28/11 22:34	127-18-4	
Tetrahydrofuran	ND	ug/L	100	10		11/28/11 22:34	109-99-9	
Toluene	ND	ug/L	10.0	10		11/28/11 22:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		11/28/11 22:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		11/28/11 22:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		11/28/11 22:34	79-00-5	
Trichloroethene	ND	ug/L	10.0	10		11/28/11 22:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		11/28/11 22:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	10		11/28/11 22:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	**110**	ug/L	10.0	10		11/28/11 22:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		11/28/11 22:34	108-67-8	
Vinyl chloride	ND	ug/L	4.0	10		11/28/11 22:34	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		11/28/11 22:34	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		11/28/11 22:34	179601-23-1	
o-Xylene	ND	ug/L	10.0	10		11/28/11 22:34	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	10		11/28/11 22:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125	10		11/28/11 22:34	17060-07-0	
Toluene-d8 (S)	99	%	75-125	10		11/28/11 22:34	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	10		11/28/11 22:34	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-3 **Lab ID: 10176553005** Collected: 11/21/11 12:20 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	625	25		11/28/11 22:50	67-64-1	
Allyl chloride	ND	ug/L	100	25		11/28/11 22:50	107-05-1	
Benzene	ND	ug/L	25.0	25		11/28/11 22:50	71-43-2	
Bromobenzene	ND	ug/L	25.0	25		11/28/11 22:50	108-86-1	
Bromochloromethane	ND	ug/L	25.0	25		11/28/11 22:50	74-97-5	
Bromodichloromethane	ND	ug/L	25.0	25		11/28/11 22:50	75-27-4	
Bromoform	ND	ug/L	100	25		11/28/11 22:50	75-25-2	
Bromomethane	ND	ug/L	100	25		11/28/11 22:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	100	25		11/28/11 22:50	78-93-3	
n-Butylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	104-51-8	
sec-Butylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	135-98-8	
tert-Butylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	98-06-6	
Carbon tetrachloride	ND	ug/L	25.0	25		11/28/11 22:50	56-23-5	
Chlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	108-90-7	
Chloroethane	ND	ug/L	25.0	25		11/28/11 22:50	75-00-3	L3
Chloroform	ND	ug/L	25.0	25		11/28/11 22:50	67-66-3	
Chloromethane	ND	ug/L	100	25		11/28/11 22:50	74-87-3	
2-Chlorotoluene	ND	ug/L	25.0	25		11/28/11 22:50	95-49-8	
4-Chlorotoluene	ND	ug/L	25.0	25		11/28/11 22:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	100	25		11/28/11 22:50	96-12-8	
Dibromochloromethane	ND	ug/L	25.0	25		11/28/11 22:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	25.0	25		11/28/11 22:50	106-93-4	
Dibromomethane	ND	ug/L	100	25		11/28/11 22:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	25.0	25		11/28/11 22:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	25.0	25		11/28/11 22:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	25.0	25		11/28/11 22:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	25.0	25		11/28/11 22:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	25.0	25		11/28/11 22:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	100	25		11/28/11 22:50	156-60-5	
Dichlorofluoromethane	ND	ug/L	25.0	25		11/28/11 22:50	75-43-4	
1,2-Dichloropropane	ND	ug/L	100	25		11/28/11 22:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	25.0	25		11/28/11 22:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	100	25		11/28/11 22:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	25.0	25		11/28/11 22:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	100	25		11/28/11 22:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	100	25		11/28/11 22:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	100	25		11/28/11 22:50	60-29-7	
Ethylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	125	25		11/28/11 22:50	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	25.0	25		11/28/11 22:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	25.0	25		11/28/11 22:50	99-87-6	
Methylene Chloride	ND	ug/L	100	25		11/28/11 22:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	100	25		11/28/11 22:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	25.0	25		11/28/11 22:50	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-3 **Lab ID: 10176553005** Collected: 11/21/11 12:20 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	100	25		11/28/11 22:50	91-20-3	
n-Propylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	103-65-1	
Styrene	ND	ug/L	25.0	25		11/28/11 22:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	25.0	25		11/28/11 22:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	25.0	25		11/28/11 22:50	79-34-5	
Tetrachloroethene	**5310**	ug/L	25.0	25		11/28/11 22:50	127-18-4	
Tetrahydrofuran	ND	ug/L	250	25		11/28/11 22:50	109-99-9	
Toluene	ND	ug/L	25.0	25		11/28/11 22:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	25.0	25		11/28/11 22:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	25.0	25		11/28/11 22:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	25.0	25		11/28/11 22:50	79-00-5	
Trichloroethene	ND	ug/L	25.0	25		11/28/11 22:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	25.0	25		11/28/11 22:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	100	25		11/28/11 22:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	**787**	ug/L	25.0	25		11/28/11 22:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	25.0	25		11/28/11 22:50	108-67-8	
Vinyl chloride	ND	ug/L	10.0	25		11/28/11 22:50	75-01-4	
Xylene (Total)	ND	ug/L	75.0	25		11/28/11 22:50	1330-20-7	
m&p-Xylene	ND	ug/L	50.0	25		11/28/11 22:50	179601-23-1	
o-Xylene	ND	ug/L	25.0	25		11/28/11 22:50	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	25		11/28/11 22:50	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125	25		11/28/11 22:50	17060-07-0	
Toluene-d8 (S)	99	%	75-125	25		11/28/11 22:50	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	25		11/28/11 22:50	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-4 **Lab ID: 10176553006** Collected: 11/21/11 12:40 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		11/28/11 21:45	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		11/28/11 21:45	107-05-1	
Benzene	ND	ug/L	5.0	5		11/28/11 21:45	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		11/28/11 21:45	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		11/28/11 21:45	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		11/28/11 21:45	75-27-4	
Bromoform	ND	ug/L	20.0	5		11/28/11 21:45	75-25-2	
Bromomethane	ND	ug/L	20.0	5		11/28/11 21:45	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	5		11/28/11 21:45	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		11/28/11 21:45	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	108-90-7	
Chloroethane	ND	ug/L	5.0	5		11/28/11 21:45	75-00-3	L3
Chloroform	ND	ug/L	5.0	5		11/28/11 21:45	67-66-3	
Chloromethane	ND	ug/L	20.0	5		11/28/11 21:45	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		11/28/11 21:45	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		11/28/11 21:45	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		11/28/11 21:45	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		11/28/11 21:45	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		11/28/11 21:45	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		11/28/11 21:45	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		11/28/11 21:45	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		11/28/11 21:45	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		11/28/11 21:45	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		11/28/11 21:45	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		11/28/11 21:45	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	5		11/28/11 21:45	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		11/28/11 21:45	75-43-4	
1,2-Dichloropropane	ND	ug/L	20.0	5		11/28/11 21:45	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		11/28/11 21:45	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		11/28/11 21:45	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		11/28/11 21:45	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		11/28/11 21:45	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		11/28/11 21:45	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		11/28/11 21:45	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	5		11/28/11 21:45	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		11/28/11 21:45	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		11/28/11 21:45	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		11/28/11 21:45	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	5		11/28/11 21:45	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		11/28/11 21:45	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-4 **Lab ID: 10176553006** Collected: 11/21/11 12:40 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	20.0	5		11/28/11 21:45	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	103-65-1	
Styrene	ND	ug/L	5.0	5		11/28/11 21:45	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		11/28/11 21:45	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		11/28/11 21:45	79-34-5	
Tetrachloroethene	**763**	ug/L	5.0	5		11/28/11 21:45	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		11/28/11 21:45	109-99-9	
Toluene	ND	ug/L	5.0	5		11/28/11 21:45	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		11/28/11 21:45	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		11/28/11 21:45	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		11/28/11 21:45	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		11/28/11 21:45	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		11/28/11 21:45	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		11/28/11 21:45	96-18-4	
1,1,2-Trichlorotrifluoroethane	**99.7**	ug/L	5.0	5		11/28/11 21:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		11/28/11 21:45	108-67-8	
Vinyl chloride	ND	ug/L	2.0	5		11/28/11 21:45	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		11/28/11 21:45	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		11/28/11 21:45	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		11/28/11 21:45	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	5		11/28/11 21:45	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	5		11/28/11 21:45	17060-07-0	
Toluene-d8 (S)	100	%	75-125	5		11/28/11 21:45	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	5		11/28/11 21:45	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-5 **Lab ID: 10176553007** Collected: 11/21/11 13:00 Received: 11/22/11 14:12 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		11/28/11 20:24	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 20:24	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 20:24	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 20:24	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 20:24	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 20:24	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 20:24	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 20:24	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 20:24	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 20:24	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 20:24	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 20:24	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 20:24	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:24	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 20:24	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 20:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 20:24	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 20:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 20:24	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:24	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:24	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 20:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 20:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 20:24	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:24	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:24	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 20:24	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:24	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 20:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 20:24	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 20:24	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 20:24	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 20:24	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 20:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 20:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 20:24	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-5 **Lab ID: 10176553007** Collected: 11/21/11 13:00 Received: 11/22/11 14:12 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		11/28/11 20:24	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 20:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:24	79-34-5	
Tetrachloroethene	**51.2**	ug/L	1.0	1		11/28/11 20:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 20:24	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 20:24	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:24	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 20:24	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 20:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	**3.0**	ug/L	1.0	1		11/28/11 20:24	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:24	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 20:24	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 20:24	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 20:24	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 20:24	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		11/28/11 20:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 20:24	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		11/28/11 20:24	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/28/11 20:24	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-6 **Lab ID: 10176553008** Collected: 11/21/11 13:20 Received: 11/22/11 14:12 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		11/28/11 19:19	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 19:19	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 19:19	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 19:19	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 19:19	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 19:19	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 19:19	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 19:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 19:19	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 19:19	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 19:19	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 19:19	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 19:19	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:19	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 19:19	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 19:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 19:19	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 19:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 19:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 19:19	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:19	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 19:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 19:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:19	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 19:19	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 19:19	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 19:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 19:19	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 19:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 19:19	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-6 **Lab ID: 10176553008** Collected: 11/21/11 13:20 Received: 11/22/11 14:12 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		11/28/11 19:19	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:19	79-34-5	
Tetrachloroethene	**1.9**	ug/L	1.0	1		11/28/11 19:19	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 19:19	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 19:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:19	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 19:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 19:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 19:19	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:19	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 19:19	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 19:19	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 19:19	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 19:19	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		11/28/11 19:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 19:19	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		11/28/11 19:19	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		11/28/11 19:19	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-7 **Lab ID: 10176553009** Collected: 11/21/11 13:40 Received: 11/22/11 14:12 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		11/28/11 20:08	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 20:08	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 20:08	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 20:08	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 20:08	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 20:08	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 20:08	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 20:08	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 20:08	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 20:08	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 20:08	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 20:08	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 20:08	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:08	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 20:08	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 20:08	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 20:08	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 20:08	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 20:08	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 20:08	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:08	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 20:08	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 20:08	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 20:08	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 20:08	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:08	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:08	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 20:08	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 20:08	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 20:08	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:08	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 20:08	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 20:08	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 20:08	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 20:08	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 20:08	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 20:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 20:08	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 20:08	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-7 **Lab ID: 10176553009** Collected: 11/21/11 13:40 Received: 11/22/11 14:12 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		11/28/11 20:08	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 20:08	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:08	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 20:08	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/28/11 20:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 20:08	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 20:08	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 20:08	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:08	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 20:08	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 20:08	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 20:08	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 20:08	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 20:08	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 20:08	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 20:08	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 20:08	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 20:08	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 20:08	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		11/28/11 20:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 20:08	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		11/28/11 20:08	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/28/11 20:08	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-8 **Lab ID: 10176553010** Collected: 11/21/11 14:00 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	125	5		11/28/11 22:17	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		11/28/11 22:17	107-05-1	
Benzene	ND	ug/L	5.0	5		11/28/11 22:17	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		11/28/11 22:17	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		11/28/11 22:17	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		11/28/11 22:17	75-27-4	
Bromoform	ND	ug/L	20.0	5		11/28/11 22:17	75-25-2	
Bromomethane	ND	ug/L	20.0	5		11/28/11 22:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	5		11/28/11 22:17	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		11/28/11 22:17	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	108-90-7	
Chloroethane	ND	ug/L	5.0	5		11/28/11 22:17	75-00-3	L3
Chloroform	ND	ug/L	5.0	5		11/28/11 22:17	67-66-3	
Chloromethane	ND	ug/L	20.0	5		11/28/11 22:17	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		11/28/11 22:17	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		11/28/11 22:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		11/28/11 22:17	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		11/28/11 22:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		11/28/11 22:17	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		11/28/11 22:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		11/28/11 22:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		11/28/11 22:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		11/28/11 22:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		11/28/11 22:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		11/28/11 22:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	20.0	5		11/28/11 22:17	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		11/28/11 22:17	75-43-4	
1,2-Dichloropropane	ND	ug/L	20.0	5		11/28/11 22:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		11/28/11 22:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		11/28/11 22:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		11/28/11 22:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		11/28/11 22:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		11/28/11 22:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		11/28/11 22:17	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	5		11/28/11 22:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		11/28/11 22:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		11/28/11 22:17	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		11/28/11 22:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	5		11/28/11 22:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		11/28/11 22:17	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: DPE-8 **Lab ID: 10176553010** Collected: 11/21/11 14:00 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	20.0	5		11/28/11 22:17	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	103-65-1	
Styrene	ND	ug/L	5.0	5		11/28/11 22:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		11/28/11 22:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		11/28/11 22:17	79-34-5	
Tetrachloroethene	**389**	ug/L	5.0	5		11/28/11 22:17	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		11/28/11 22:17	109-99-9	
Toluene	ND	ug/L	5.0	5		11/28/11 22:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		11/28/11 22:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		11/28/11 22:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		11/28/11 22:17	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		11/28/11 22:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		11/28/11 22:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		11/28/11 22:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	**62.0**	ug/L	5.0	5		11/28/11 22:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		11/28/11 22:17	108-67-8	
Vinyl chloride	ND	ug/L	2.0	5		11/28/11 22:17	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		11/28/11 22:17	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		11/28/11 22:17	179601-23-1	
o-Xylene	ND	ug/L	5.0	5		11/28/11 22:17	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	5		11/28/11 22:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	5		11/28/11 22:17	17060-07-0	
Toluene-d8 (S)	101	%	75-125	5		11/28/11 22:17	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	5		11/28/11 22:17	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-15 **Lab ID: 10176553011** Collected: 11/21/11 16:50 Received: 11/22/11 14:12 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		11/28/11 19:52	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 19:52	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 19:52	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 19:52	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 19:52	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 19:52	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 19:52	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 19:52	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 19:52	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 19:52	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 19:52	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 19:52	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 19:52	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:52	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:52	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 19:52	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 19:52	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 19:52	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 19:52	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 19:52	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:52	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 19:52	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:52	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:52	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 19:52	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:52	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 19:52	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:52	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:52	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 19:52	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 19:52	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 19:52	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 19:52	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 19:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 19:52	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 19:52	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-15 **Lab ID: 10176553011** Collected: 11/21/11 16:50 Received: 11/22/11 14:12 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		11/28/11 19:52	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 19:52	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:52	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:52	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/28/11 19:52	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 19:52	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 19:52	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:52	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:52	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:52	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 19:52	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:52	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 19:52	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 19:52	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:52	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 19:52	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 19:52	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 19:52	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 19:52	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		11/28/11 19:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		11/28/11 19:52	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		11/28/11 19:52	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		11/28/11 19:52	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-16 **Lab ID: 10176553012** Collected: 11/21/11 20:50 Received: 11/22/11 14:12 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		11/29/11 21:12	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/29/11 21:12	107-05-1	
Benzene	ND	ug/L	1.0	1		11/29/11 21:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/29/11 21:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/29/11 21:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/29/11 21:12	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/29/11 21:12	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/29/11 21:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/29/11 21:12	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/29/11 21:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/29/11 21:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		11/29/11 21:12	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/29/11 21:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/29/11 21:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/29/11 21:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/29/11 21:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/29/11 21:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/29/11 21:12	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/29/11 21:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/29/11 21:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/29/11 21:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/29/11 21:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/29/11 21:12	75-35-4	
cis-1,2-Dichloroethene	**1.0**	ug/L	1.0	1		11/29/11 21:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/29/11 21:12	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/29/11 21:12	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/29/11 21:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/29/11 21:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/29/11 21:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/29/11 21:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/29/11 21:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/29/11 21:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/29/11 21:12	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/29/11 21:12	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/29/11 21:12	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/29/11 21:12	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/29/11 21:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/29/11 21:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/29/11 21:12	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-16 **Lab ID: 10176553012** Collected: 11/21/11 20:50 Received: 11/22/11 14:12 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		11/29/11 21:12	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	103-65-1	
Styrene	ND	ug/L	1.0	1		11/29/11 21:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/29/11 21:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/29/11 21:12	79-34-5	
Tetrachloroethene	**75.0**	ug/L	1.0	1		11/29/11 21:12	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/29/11 21:12	109-99-9	
Toluene	ND	ug/L	1.0	1		11/29/11 21:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/29/11 21:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/29/11 21:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/29/11 21:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/29/11 21:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/29/11 21:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/29/11 21:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	**3.1**	ug/L	1.0	1		11/29/11 21:12	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/29/11 21:12	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/29/11 21:12	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/29/11 21:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/29/11 21:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/29/11 21:12	95-47-6	
Surrogates								
Dibromofluoromethane (S)	103	%	75-125	1		11/29/11 21:12	1868-53-7	1M
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		11/29/11 21:12	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		11/29/11 21:12	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		11/29/11 21:12	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-19 **Lab ID: 10176553013** Collected: 11/21/11 14:50 Received: 11/22/11 14:12 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		11/28/11 19:35	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 19:35	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 19:35	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 19:35	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 19:35	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 19:35	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 19:35	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 19:35	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 19:35	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 19:35	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 19:35	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 19:35	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 19:35	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:35	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 19:35	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 19:35	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 19:35	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 19:35	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 19:35	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 19:35	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:35	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 19:35	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:35	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 19:35	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 19:35	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:35	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:35	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 19:35	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 19:35	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 19:35	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:35	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 19:35	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 19:35	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 19:35	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 19:35	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 19:35	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 19:35	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 19:35	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 19:35	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-19 **Lab ID: 10176553013** Collected: 11/21/11 14:50 Received: 11/22/11 14:12 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		11/28/11 19:35	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 19:35	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:35	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 19:35	79-34-5	
Tetrachloroethene	**2.7**	ug/L	1.0	1		11/28/11 19:35	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 19:35	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 19:35	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 19:35	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:35	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 19:35	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 19:35	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 19:35	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 19:35	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 19:35	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 19:35	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 19:35	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 19:35	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 19:35	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 19:35	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		11/28/11 19:35	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		11/28/11 19:35	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		11/28/11 19:35	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		11/28/11 19:35	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-20 **Lab ID: 10176553014** Collected: 11/21/11 19:50 Received: 11/22/11 14:12 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		11/28/11 18:31	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 18:31	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 18:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 18:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 18:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 18:31	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 18:31	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 18:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 18:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 18:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 18:31	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 18:31	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 18:31	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 18:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 18:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 18:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 18:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 18:31	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 18:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 18:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 18:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 18:31	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 18:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 18:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 18:31	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 18:31	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 18:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 18:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 18:31	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 18:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 18:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 18:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 18:31	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 18:31	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 18:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 18:31	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 18:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 18:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 18:31	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-20 **Lab ID: 10176553014** Collected: 11/21/11 19:50 Received: 11/22/11 14:12 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		11/28/11 18:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 18:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 18:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 18:31	79-34-5	
Tetrachloroethene	**32.5**	ug/L	1.0	1		11/28/11 18:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 18:31	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 18:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 18:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 18:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 18:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 18:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 18:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	**2.5**	ug/L	1.0	1		11/28/11 18:31	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 18:31	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 18:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 18:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 18:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 18:31	95-47-6	
Surrogates								
Dibromofluoromethane (S)	106	%	75-125	1		11/28/11 18:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 18:31	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		11/28/11 18:31	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		11/28/11 18:31	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-14 **Lab ID: 10176553015** Collected: 11/21/11 15:50 Received: 11/22/11 14:12 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		11/28/11 18:14	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 18:14	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 18:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 18:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 18:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 18:14	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 18:14	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 18:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 18:14	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 18:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 18:14	75-00-3	L3
Chloroform	**1.4**	ug/L	1.0	1		11/28/11 18:14	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 18:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 18:14	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 18:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 18:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 18:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 18:14	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 18:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 18:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 18:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 18:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 18:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 18:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 18:14	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 18:14	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 18:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 18:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 18:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 18:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 18:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 18:14	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 18:14	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 18:14	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 18:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 18:14	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 18:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 18:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 18:14	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: MW-14 **Lab ID: 10176553015** Collected: 11/21/11 15:50 Received: 11/22/11 14:12 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		11/28/11 18:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 18:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 18:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 18:14	79-34-5	
Tetrachloroethene	**1.5**	ug/L	1.0	1		11/28/11 18:14	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 18:14	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 18:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 18:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 18:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 18:14	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 18:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 18:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 18:14	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 18:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 18:14	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 18:14	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 18:14	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 18:14	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 18:14	95-47-6	
Surrogates								
Dibromofluoromethane (S)	105	%	75-125	1		11/28/11 18:14	1868-53-7	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		11/28/11 18:14	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		11/28/11 18:14	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		11/28/11 18:14	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: Trip Blank **Lab ID: 10176553016** Collected: Received: 11/22/11 14:12 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		11/28/11 17:58	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		11/28/11 17:58	107-05-1	
Benzene	ND	ug/L	1.0	1		11/28/11 17:58	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/28/11 17:58	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/28/11 17:58	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/28/11 17:58	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/28/11 17:58	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/28/11 17:58	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		11/28/11 17:58	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		11/28/11 17:58	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/28/11 17:58	75-00-3	L3
Chloroform	ND	ug/L	1.0	1		11/28/11 17:58	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/28/11 17:58	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 17:58	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/28/11 17:58	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/28/11 17:58	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/28/11 17:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/28/11 17:58	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/28/11 17:58	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/28/11 17:58	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/28/11 17:58	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/28/11 17:58	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/28/11 17:58	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/28/11 17:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/28/11 17:58	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 17:58	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 17:58	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/28/11 17:58	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/28/11 17:58	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/28/11 17:58	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 17:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/28/11 17:58	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/28/11 17:58	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/28/11 17:58	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/28/11 17:58	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/28/11 17:58	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		11/28/11 17:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/28/11 17:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/28/11 17:58	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176553

Sample: Trip Blank **Lab ID: 10176553016** Collected: Received: 11/22/11 14:12 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		11/28/11 17:58	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	103-65-1	
Styrene	ND	ug/L	1.0	1		11/28/11 17:58	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 17:58	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/28/11 17:58	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/28/11 17:58	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/28/11 17:58	109-99-9	
Toluene	ND	ug/L	1.0	1		11/28/11 17:58	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/28/11 17:58	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/28/11 17:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/28/11 17:58	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/28/11 17:58	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/28/11 17:58	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/28/11 17:58	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/28/11 17:58	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/28/11 17:58	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		11/28/11 17:58	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/28/11 17:58	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/28/11 17:58	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/28/11 17:58	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	1		11/28/11 17:58	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		11/28/11 17:58	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		11/28/11 17:58	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	1		11/28/11 17:58	460-00-4	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

QC Batch: MSV/18732 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10176553001, 10176553002, 10176553004, 10176553005, 10176553006, 10176553007, 10176553008, 10176553009, 10176553010, 10176553011, 10176553013, 10176553014, 10176553015, 10176553016

METHOD BLANK: 1106033 Matrix: Water
Associated Lab Samples: 10176553001, 10176553002, 10176553004, 10176553005, 10176553006, 10176553007, 10176553008, 10176553009, 10176553010, 10176553011, 10176553013, 10176553014, 10176553015, 10176553016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1-Dichloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,1-Dichloroethene	ug/L	ND	1.0	11/28/11 17:10	
1,1-Dichloropropene	ug/L	ND	1.0	11/28/11 17:10	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/28/11 17:10	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/28/11 17:10	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/28/11 17:10	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/28/11 17:10	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
1,2-Dichloroethane	ug/L	ND	1.0	11/28/11 17:10	
1,2-Dichloropropane	ug/L	ND	4.0	11/28/11 17:10	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/28/11 17:10	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
1,3-Dichloropropane	ug/L	ND	1.0	11/28/11 17:10	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
2,2-Dichloropropane	ug/L	ND	4.0	11/28/11 17:10	
2-Butanone (MEK)	ug/L	ND	4.0	11/28/11 17:10	
2-Chlorotoluene	ug/L	ND	1.0	11/28/11 17:10	
4-Chlorotoluene	ug/L	ND	1.0	11/28/11 17:10	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/28/11 17:10	
Acetone	ug/L	ND	25.0	11/28/11 17:10	
Allyl chloride	ug/L	ND	4.0	11/28/11 17:10	
Benzene	ug/L	ND	1.0	11/28/11 17:10	
Bromobenzene	ug/L	ND	1.0	11/28/11 17:10	
Bromochloromethane	ug/L	ND	1.0	11/28/11 17:10	
Bromodichloromethane	ug/L	ND	1.0	11/28/11 17:10	
Bromoform	ug/L	ND	4.0	11/28/11 17:10	
Bromomethane	ug/L	ND	4.0	11/28/11 17:10	
Carbon tetrachloride	ug/L	ND	1.0	11/28/11 17:10	
Chlorobenzene	ug/L	ND	1.0	11/28/11 17:10	
Chloroethane	ug/L	ND	1.0	11/28/11 17:10	
Chloroform	ug/L	ND	1.0	11/28/11 17:10	
Chloromethane	ug/L	ND	4.0	11/28/11 17:10	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/28/11 17:10	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/28/11 17:10	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

METHOD BLANK: 1106033 Matrix: Water

Associated Lab Samples: 10176553001, 10176553002, 10176553004, 10176553005, 10176553006, 10176553007, 10176553008, 10176553009, 10176553010, 10176553011, 10176553013, 10176553014, 10176553015, 10176553016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	11/28/11 17:10	
Dibromomethane	ug/L	ND	4.0	11/28/11 17:10	
Dichlorodifluoromethane	ug/L	ND	1.0	11/28/11 17:10	
Dichlorofluoromethane	ug/L	ND	1.0	11/28/11 17:10	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/28/11 17:10	
Ethylbenzene	ug/L	ND	1.0	11/28/11 17:10	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/28/11 17:10	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/28/11 17:10	
m&p-Xylene	ug/L	ND	2.0	11/28/11 17:10	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/28/11 17:10	
Methylene Chloride	ug/L	ND	4.0	11/28/11 17:10	
n-Butylbenzene	ug/L	ND	1.0	11/28/11 17:10	
n-Propylbenzene	ug/L	ND	1.0	11/28/11 17:10	
Naphthalene	ug/L	ND	4.0	11/28/11 17:10	
o-Xylene	ug/L	ND	1.0	11/28/11 17:10	
p-Isopropyltoluene	ug/L	ND	1.0	11/28/11 17:10	
sec-Butylbenzene	ug/L	ND	1.0	11/28/11 17:10	
Styrene	ug/L	ND	1.0	11/28/11 17:10	
tert-Butylbenzene	ug/L	ND	1.0	11/28/11 17:10	
Tetrachloroethene	ug/L	ND	1.0	11/28/11 17:10	
Tetrahydrofuran	ug/L	ND	10.0	11/28/11 17:10	
Toluene	ug/L	ND	1.0	11/28/11 17:10	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/28/11 17:10	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/28/11 17:10	
Trichloroethene	ug/L	ND	1.0	11/28/11 17:10	
Trichlorofluoromethane	ug/L	ND	1.0	11/28/11 17:10	
Vinyl chloride	ug/L	ND	0.40	11/28/11 17:10	
Xylene (Total)	ug/L	ND	3.0	11/28/11 17:10	
1,2-Dichloroethane-d4 (S)	%	110	75-125	11/28/11 17:10	
4-Bromofluorobenzene (S)	%	100	75-125	11/28/11 17:10	
Dibromofluoromethane (S)	%	105	75-125	11/28/11 17:10	
Toluene-d8 (S)	%	100	75-125	11/28/11 17:10	

LABORATORY CONTROL SAMPLE: 1106034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	50.2	100	75-125	
1,1,1-Trichloroethane	ug/L	50	53.6	107	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	48.7	97	75-125	
1,1,2-Trichloroethane	ug/L	50	49.7	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	60.1	120	75-126	
1,1-Dichloroethane	ug/L	50	52.7	105	75-125	
1,1-Dichloroethene	ug/L	50	53.6	107	75-125	
1,1-Dichloropropene	ug/L	50	54.6	109	75-125	

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.: 10176553

LABORATORY CONTROL SAMPLE: 1106034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,3-Trichlorobenzene	ug/L	50	46.8	94	68-128	
1,2,3-Trichloropropane	ug/L	50	48.9	98	75-125	
1,2,4-Trichlorobenzene	ug/L	50	46.8	94	75-125	
1,2,4-Trimethylbenzene	ug/L	50	48.6	97	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	46.5	93	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	49.7	99	75-125	
1,2-Dichlorobenzene	ug/L	50	47.7	95	75-125	
1,2-Dichloroethane	ug/L	50	54.9	110	71-125	
1,2-Dichloropropane	ug/L	50	49.9	100	75-125	
1,3,5-Trimethylbenzene	ug/L	50	48.3	97	75-125	
1,3-Dichlorobenzene	ug/L	50	48.1	96	75-125	
1,3-Dichloropropane	ug/L	50	50.0	100	75-125	
1,4-Dichlorobenzene	ug/L	50	47.7	95	75-125	
2,2-Dichloropropane	ug/L	50	51.5	103	69-132	
2-Butanone (MEK)	ug/L	50	51.2	102	56-137	
2-Chlorotoluene	ug/L	50	48.7	97	75-125	
4-Chlorotoluene	ug/L	50	49.1	98	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.1	98	67-125	
Acetone	ug/L	125	132	105	41-130	
Allyl chloride	ug/L	50	53.6	107	59-130	
Benzene	ug/L	50	51.1	102	75-125	
Bromobenzene	ug/L	50	48.0	96	75-125	
Bromochloromethane	ug/L	50	50.0	100	75-125	
Bromodichloromethane	ug/L	50	51.3	103	75-125	
Bromoform	ug/L	50	46.4	93	75-125	
Bromomethane	ug/L	50	48.0	96	45-138	
Carbon tetrachloride	ug/L	50	52.0	104	75-125	
Chlorobenzene	ug/L	50	49.0	98	75-125	
Chloroethane	ug/L	50	73.7	147	72-125	CH,L0
Chloroform	ug/L	50	53.2	106	75-125	
Chloromethane	ug/L	50	44.9	90	65-125	
cis-1,2-Dichloroethene	ug/L	50	51.6	103	75-125	
cis-1,3-Dichloropropene	ug/L	50	50.3	101	75-125	
Dibromochloromethane	ug/L	50	48.8	98	75-125	
Dibromomethane	ug/L	50	53.3	107	75-125	
Dichlorodifluoromethane	ug/L	50	53.7	107	55-143	
Dichlorofluoromethane	ug/L	50	52.7	105	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	55.9	112	75-125	
Ethylbenzene	ug/L	50	48.8	98	75-125	
Hexachloro-1,3-butadiene	ug/L	25	22.6	90	69-132	
Isopropylbenzene (Cumene)	ug/L	50	49.1	98	75-125	
m&p-Xylene	ug/L	100	95.9	96	75-125	
Methyl-tert-butyl ether	ug/L	50	51.0	102	75-125	
Methylene Chloride	ug/L	50	48.2	96	75-125	
n-Butylbenzene	ug/L	50	48.8	98	75-125	
n-Propylbenzene	ug/L	50	48.3	97	75-125	
Naphthalene	ug/L	50	46.9	94	74-129	
o-Xylene	ug/L	50	48.9	98	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

LABORATORY CONTROL SAMPLE: 1106034

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
p-Isopropyltoluene	ug/L	50	47.6	95	75-125	
sec-Butylbenzene	ug/L	50	48.2	96	75-125	
Styrene	ug/L	50	47.9	96	75-125	
tert-Butylbenzene	ug/L	50	48.2	96	75-125	
Tetrachloroethene	ug/L	50	49.4	99	75-125	
Tetrahydrofuran	ug/L	500	507	101	64-128	
Toluene	ug/L	50	48.8	98	75-125	
trans-1,2-Dichloroethene	ug/L	50	52.4	105	75-125	
trans-1,3-Dichloropropene	ug/L	50	48.5	97	75-125	
Trichloroethene	ug/L	50	51.6	103	75-125	
Trichlorofluoromethane	ug/L	50	56.8	114	75-125	
Vinyl chloride	ug/L	50	50.6	101	74-125	
Xylene (Total)	ug/L	150	145	97	75-125	
1,2-Dichloroethane-d4 (S)	%			107	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			104	75-125	
Toluene-d8 (S)	%			101	75-125	

MATRIX SPIKE SAMPLE: 1106072

Parameter	Units	10176553015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	46.8	94	75-125	
1,1,1-Trichloroethane	ug/L	ND	50	52.7	105	75-128	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	45.8	92	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	47.5	95	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	67.0	134	75-150	
1,1-Dichloroethane	ug/L	ND	50	50.5	101	75-125	
1,1-Dichloroethene	ug/L	ND	50	53.6	107	75-134	
1,1-Dichloropropene	ug/L	ND	50	53.3	107	75-131	
1,2,3-Trichlorobenzene	ug/L	ND	50	44.0	88	67-145	
1,2,3-Trichloropropane	ug/L	ND	50	45.4	91	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	50	43.9	88	74-138	
1,2,4-Trimethylbenzene	ug/L	ND	50	46.7	93	75-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	44.0	88	68-129	
1,2-Dibromoethane (EDB)	ug/L	ND	50	46.2	92	75-125	
1,2-Dichlorobenzene	ug/L	ND	50	45.5	91	75-125	
1,2-Dichloroethane	ug/L	ND	50	51.4	103	69-129	
1,2-Dichloropropane	ug/L	ND	50	46.8	94	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	50	46.9	94	75-125	
1,3-Dichlorobenzene	ug/L	ND	50	45.3	91	75-125	
1,3-Dichloropropane	ug/L	ND	50	47.0	94	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	45.5	91	75-125	
2,2-Dichloropropane	ug/L	ND	50	49.8	100	69-141	
2-Butanone (MEK)	ug/L	ND	50	45.3	91	42-137	
2-Chlorotoluene	ug/L	ND	50	46.8	94	68-147	
4-Chlorotoluene	ug/L	ND	50	46.8	94	75-130	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	45.6	91	57-126	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

MATRIX SPIKE SAMPLE: 1106072

Parameter	Units	10176553015 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	ND	125	105	84	34-130	
Allyl chloride	ug/L	ND	50	48.5	97	53-140	
Benzene	ug/L	ND	50	49.2	98	73-136	
Bromobenzene	ug/L	ND	50	45.5	91	75-125	
Bromochloromethane	ug/L	ND	50	47.7	95	75-125	
Bromodichloromethane	ug/L	ND	50	48.4	96	75-125	
Bromoform	ug/L	ND	50	43.1	86	75-125	
Bromomethane	ug/L	ND	50	49.0	98	41-150	
Carbon tetrachloride	ug/L	ND	50	52.9	106	75-135	
Chlorobenzene	ug/L	ND	50	46.3	93	75-125	
Chloroethane	ug/L	ND	50	56.0	112	71-139	CH
Chloroform	ug/L	1.4	50	51.9	101	75-125	
Chloromethane	ug/L	ND	50	43.9	88	65-144	
cis-1,2-Dichloroethene	ug/L	ND	50	49.7	99	75-125	
cis-1,3-Dichloropropene	ug/L	ND	50	46.4	93	75-125	
Dibromochloromethane	ug/L	ND	50	45.7	91	75-125	
Dibromomethane	ug/L	ND	50	48.3	97	75-125	
Dichlorodifluoromethane	ug/L	ND	50	59.1	118	55-150	
Dichlorofluoromethane	ug/L	ND	50	50.4	101	75-129	
Diethyl ether (Ethyl ether)	ug/L	ND	50	49.9	100	75-125	
Ethylbenzene	ug/L	ND	50	46.7	93	75-137	
Hexachloro-1,3-butadiene	ug/L	ND	25	20.9	84	69-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	46.8	94	75-125	
m&p-Xylene	ug/L	ND	100	90.7	91	71-133	
Methyl-tert-butyl ether	ug/L	ND	50	47.8	96	75-125	
Methylene Chloride	ug/L	ND	50	45.2	90	75-125	
n-Butylbenzene	ug/L	ND	50	46.3	93	75-141	
n-Propylbenzene	ug/L	ND	50	47.0	94	75-132	
Naphthalene	ug/L	ND	50	44.5	89	74-138	
o-Xylene	ug/L	ND	50	46.7	93	75-128	
p-Isopropyltoluene	ug/L	ND	50	46.1	92	75-133	
sec-Butylbenzene	ug/L	ND	50	46.4	93	75-136	
Styrene	ug/L	ND	50	45.6	91	72-125	
tert-Butylbenzene	ug/L	ND	50	46.3	93	75-132	
Tetrachloroethene	ug/L	1.5	50	49.5	96	75-126	
Tetrahydrofuran	ug/L	ND	500	473	95	64-128	
Toluene	ug/L	ND	50	46.7	93	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	50.1	100	75-127	
trans-1,3-Dichloropropene	ug/L	ND	50	45.6	91	75-125	
Trichloroethene	ug/L	ND	50	49.2	98	75-125	
Trichlorofluoromethane	ug/L	ND	50	58.5	117	75-150	
Vinyl chloride	ug/L	ND	50	48.8	98	74-142	
Xylene (Total)	ug/L	ND	150	137	92	73-132	
1,2-Dichloroethane-d4 (S)	%				109	75-125	
4-Bromofluorobenzene (S)	%				103	75-125	
Dibromofluoromethane (S)	%				104	75-125	
Toluene-d8 (S)	%				100	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

SAMPLE DUPLICATE: 1106071

Parameter	Units	10176553014 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	2.5	2.8	10	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	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.: 10176553

SAMPLE DUPLICATE: 1106071

Parameter	Units	10176553014 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	32.5	31.5	3	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	.51J		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)	%	110	110	.4		
4-Bromofluorobenzene (S)	%	99	99	.2		
Dibromofluoromethane (S)	%	106	106	.1		
Toluene-d8 (S)	%	100	99	1		

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

QC Batch: MSV/18749 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10176553003, 10176553012

METHOD BLANK: 1106900 Matrix: Water
Associated Lab Samples: 10176553003, 10176553012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1-Dichloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,1-Dichloroethene	ug/L	ND	1.0	11/29/11 19:34	
1,1-Dichloropropene	ug/L	ND	1.0	11/29/11 19:34	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/29/11 19:34	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/29/11 19:34	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/29/11 19:34	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/29/11 19:34	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
1,2-Dichloroethane	ug/L	ND	1.0	11/29/11 19:34	
1,2-Dichloropropane	ug/L	ND	4.0	11/29/11 19:34	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/29/11 19:34	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
1,3-Dichloropropane	ug/L	ND	1.0	11/29/11 19:34	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
2,2-Dichloropropane	ug/L	ND	4.0	11/29/11 19:34	
2-Butanone (MEK)	ug/L	ND	4.0	11/29/11 19:34	
2-Chlorotoluene	ug/L	ND	1.0	11/29/11 19:34	
4-Chlorotoluene	ug/L	ND	1.0	11/29/11 19:34	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/29/11 19:34	
Acetone	ug/L	ND	25.0	11/29/11 19:34	
Allyl chloride	ug/L	ND	4.0	11/29/11 19:34	
Benzene	ug/L	ND	1.0	11/29/11 19:34	
Bromobenzene	ug/L	ND	1.0	11/29/11 19:34	
Bromochloromethane	ug/L	ND	1.0	11/29/11 19:34	
Bromodichloromethane	ug/L	ND	1.0	11/29/11 19:34	
Bromoform	ug/L	ND	4.0	11/29/11 19:34	
Bromomethane	ug/L	ND	4.0	11/29/11 19:34	
Carbon tetrachloride	ug/L	ND	1.0	11/29/11 19:34	
Chlorobenzene	ug/L	ND	1.0	11/29/11 19:34	
Chloroethane	ug/L	ND	1.0	11/29/11 19:34	
Chloroform	ug/L	ND	1.0	11/29/11 19:34	
Chloromethane	ug/L	ND	4.0	11/29/11 19:34	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/29/11 19:34	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/29/11 19:34	
Dibromochloromethane	ug/L	ND	1.0	11/29/11 19:34	
Dibromomethane	ug/L	ND	4.0	11/29/11 19:34	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

METHOD BLANK: 1106900 Matrix: Water

Associated Lab Samples: 10176553003, 10176553012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	11/29/11 19:34	
Dichlorofluoromethane	ug/L	ND	1.0	11/29/11 19:34	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/29/11 19:34	
Ethylbenzene	ug/L	ND	1.0	11/29/11 19:34	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/29/11 19:34	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/29/11 19:34	
m&p-Xylene	ug/L	ND	2.0	11/29/11 19:34	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/29/11 19:34	
Methylene Chloride	ug/L	ND	4.0	11/29/11 19:34	
n-Butylbenzene	ug/L	ND	1.0	11/29/11 19:34	
n-Propylbenzene	ug/L	ND	1.0	11/29/11 19:34	
Naphthalene	ug/L	ND	4.0	11/29/11 19:34	
o-Xylene	ug/L	ND	1.0	11/29/11 19:34	
p-Isopropyltoluene	ug/L	ND	1.0	11/29/11 19:34	
sec-Butylbenzene	ug/L	ND	1.0	11/29/11 19:34	
Styrene	ug/L	ND	1.0	11/29/11 19:34	
tert-Butylbenzene	ug/L	ND	1.0	11/29/11 19:34	
Tetrachloroethene	ug/L	ND	1.0	11/29/11 19:34	
Tetrahydrofuran	ug/L	ND	10.0	11/29/11 19:34	
Toluene	ug/L	ND	1.0	11/29/11 19:34	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/29/11 19:34	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/29/11 19:34	
Trichloroethene	ug/L	ND	1.0	11/29/11 19:34	
Trichlorofluoromethane	ug/L	ND	1.0	11/29/11 19:34	
Vinyl chloride	ug/L	ND	0.40	11/29/11 19:34	
Xylene (Total)	ug/L	ND	3.0	11/29/11 19:34	
1,2-Dichloroethane-d4 (S)	%	103	75-125	11/29/11 19:34	
4-Bromofluorobenzene (S)	%	100	75-125	11/29/11 19:34	
Dibromofluoromethane (S)	%	103	75-125	11/29/11 19:34	
Toluene-d8 (S)	%	98	75-125	11/29/11 19:34	

LABORATORY CONTROL SAMPLE: 1106901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	75-125	
1,1,1-Trichloroethane	ug/L	50	46.9	94	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	49.4	99	75-125	
1,1,2-Trichloroethane	ug/L	50	49.9	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	43.7	87	75-126	
1,1-Dichloroethane	ug/L	50	46.9	94	75-125	
1,1-Dichloroethene	ug/L	50	46.2	92	75-125	
1,1-Dichloropropene	ug/L	50	45.7	91	75-125	
1,2,3-Trichlorobenzene	ug/L	50	49.4	99	68-128	
1,2,3-Trichloropropane	ug/L	50	49.1	98	75-125	
1,2,4-Trichlorobenzene	ug/L	50	50.1	100	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

LABORATORY CONTROL SAMPLE: 1106901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	46.9	94	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	47.8	96	68-125	
1,2-Dibromoethane (EDB)	ug/L	50	50.2	100	75-125	
1,2-Dichlorobenzene	ug/L	50	48.8	98	75-125	
1,2-Dichloroethane	ug/L	50	49.6	99	71-125	
1,2-Dichloropropane	ug/L	50	46.5	93	75-125	
1,3,5-Trimethylbenzene	ug/L	50	46.4	93	75-125	
1,3-Dichlorobenzene	ug/L	50	47.7	95	75-125	
1,3-Dichloropropane	ug/L	50	49.8	100	75-125	
1,4-Dichlorobenzene	ug/L	50	47.5	95	75-125	
2,2-Dichloropropane	ug/L	50	45.9	92	69-132	
2-Butanone (MEK)	ug/L	50	48.0	96	56-137	
2-Chlorotoluene	ug/L	50	47.1	94	75-125	
4-Chlorotoluene	ug/L	50	47.1	94	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	47.3	95	67-125	
Acetone	ug/L	125	114	91	41-130	
Allyl chloride	ug/L	50	48.3	97	59-130	
Benzene	ug/L	50	47.2	94	75-125	
Bromobenzene	ug/L	50	49.3	99	75-125	
Bromochloromethane	ug/L	50	50.0	100	75-125	
Bromodichloromethane	ug/L	50	48.0	96	75-125	
Bromoform	ug/L	50	47.9	96	75-125	
Bromomethane	ug/L	50	38.8	78	45-138	
Carbon tetrachloride	ug/L	50	44.9	90	75-125	
Chlorobenzene	ug/L	50	47.1	94	75-125	
Chloroethane	ug/L	50	45.7	91	72-125	
Chloroform	ug/L	50	48.4	97	75-125	
Chloromethane	ug/L	50	41.7	83	65-125	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	75-125	
cis-1,3-Dichloropropene	ug/L	50	47.1	94	75-125	
Dibromochloromethane	ug/L	50	49.6	99	75-125	
Dibromomethane	ug/L	50	48.6	97	75-125	
Dichlorodifluoromethane	ug/L	50	38.6	77	55-143	
Dichlorofluoromethane	ug/L	50	45.2	90	75-125	
Diethyl ether (Ethyl ether)	ug/L	50	50.5	101	75-125	
Ethylbenzene	ug/L	50	45.6	91	75-125	
Hexachloro-1,3-butadiene	ug/L	25	23.2	93	69-132	
Isopropylbenzene (Cumene)	ug/L	50	46.3	93	75-125	
m&p-Xylene	ug/L	100	91.9	92	75-125	
Methyl-tert-butyl ether	ug/L	50	49.4	99	75-125	
Methylene Chloride	ug/L	50	47.0	94	75-125	
n-Butylbenzene	ug/L	50	46.5	93	75-125	
n-Propylbenzene	ug/L	50	47.0	94	75-125	
Naphthalene	ug/L	50	49.4	99	74-129	
o-Xylene	ug/L	50	46.8	94	75-125	
p-Isopropyltoluene	ug/L	50	46.2	92	75-125	
sec-Butylbenzene	ug/L	50	46.0	92	75-125	
Styrene	ug/L	50	48.5	97	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176553

LABORATORY CONTROL SAMPLE: 1106901

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	45.5	91	75-125	
Tetrachloroethene	ug/L	50	45.7	91	75-125	
Tetrahydrofuran	ug/L	500	497	99	64-128	
Toluene	ug/L	50	46.5	93	75-125	
trans-1,2-Dichloroethene	ug/L	50	46.3	93	75-125	
trans-1,3-Dichloropropene	ug/L	50	48.3	97	75-125	
Trichloroethene	ug/L	50	46.1	92	75-125	
Trichlorofluoromethane	ug/L	50	44.8	90	75-125	
Vinyl chloride	ug/L	50	44.1	88	74-125	
Xylene (Total)	ug/L	150	139	92	75-125	
1,2-Dichloroethane-d4 (S)	%			98	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Dibromofluoromethane (S)	%			102	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1106902 1106903

Parameter	Units	10176840001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	50	50	52.9	49.8	106	100	75-125	6	30	
1,1,1-Trichloroethane	ug/L	ND	50	50	56.6	53.1	113	106	75-128	6	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	50	50.8	48.2	102	96	75-125	5	30	
1,1,2-Trichloroethane	ug/L	ND	50	50	52.0	50.1	104	100	75-125	4	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	50	61.7	57.7	123	115	75-150	7	30	
1,1-Dichloroethane	ug/L	ND	50	50	53.1	50.1	106	100	75-125	6	30	
1,1-Dichloroethene	ug/L	ND	50	50	58.4	55.1	117	110	75-134	6	30	
1,1-Dichloropropene	ug/L	ND	50	50	56.4	53.2	113	106	75-131	6	30	
1,2,3-Trichlorobenzene	ug/L	ND	50	50	52.2	49.7	104	99	67-145	5	30	
1,2,3-Trichloropropane	ug/L	ND	50	50	50.5	48.1	101	96	75-125	5	30	
1,2,4-Trichlorobenzene	ug/L	ND	50	50	53.0	51.1	106	102	74-138	4	30	
1,2,4-Trimethylbenzene	ug/L	ND	50	50	52.5	49.3	105	99	75-126	6	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50	49.0	46.2	98	92	68-129	6	30	
1,2-Dibromoethane (EDB)	ug/L	ND	50	50	52.7	49.6	105	99	75-125	6	30	
1,2-Dichlorobenzene	ug/L	ND	50	50	52.4	49.4	105	99	75-125	6	30	
1,2-Dichloroethane	ug/L	ND	50	50	53.1	51.2	106	102	69-129	4	30	
1,2-Dichloropropane	ug/L	ND	50	50	51.0	47.8	102	96	75-125	6	30	
1,3,5-Trimethylbenzene	ug/L	ND	50	50	52.8	49.3	106	99	75-125	7	30	
1,3-Dichlorobenzene	ug/L	ND	50	50	52.7	49.5	105	99	75-125	6	30	
1,3-Dichloropropane	ug/L	ND	50	50	52.2	49.7	104	99	75-125	5	30	
1,4-Dichlorobenzene	ug/L	ND	50	50	52.3	49.6	105	99	75-125	5	30	
2,2-Dichloropropane	ug/L	ND	50	50	55.0	52.1	110	104	69-141	6	30	
2-Butanone (MEK)	ug/L	ND	50	50	47.9	46.6	96	93	42-137	3	30	
2-Chlorotoluene	ug/L	ND	50	50	52.7	50.3	105	101	68-147	5	30	
4-Chlorotoluene	ug/L	ND	50	50	53.5	49.0	107	98	75-130	9	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	50	48.8	45.7	98	91	57-126	7	30	
Acetone	ug/L	ND	125	125	110	103	88	82	34-130	6	30	
Allyl chloride	ug/L	ND	50	50	55.9	52.4	112	105	53-140	6	30	

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.: 10176553

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1106902 1106903

Parameter	Units	10176840001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	53.8	50.9	108	102	73-136	6	30	
Bromobenzene	ug/L	ND	50	50	53.4	50.4	107	101	75-125	6	30	
Bromochloromethane	ug/L	ND	50	50	53.2	50.7	106	101	75-125	5	30	
Bromodichloromethane	ug/L	ND	50	50	51.6	49.1	103	98	75-125	5	30	
Bromoform	ug/L	ND	50	50	50.4	46.9	101	94	75-125	7	30	
Bromomethane	ug/L	ND	50	50	52.1	49.4	104	99	41-150	5	30	
Carbon tetrachloride	ug/L	ND	50	50	55.8	53.2	112	106	75-135	5	30	
Chlorobenzene	ug/L	ND	50	50	52.4	49.5	105	99	75-125	6	30	
Chloroethane	ug/L	ND	50	50	51.2	53.9	102	108	71-139	5	30	
Chloroform	ug/L	ND	50	50	53.9	50.8	108	102	75-125	6	30	
Chloromethane	ug/L	ND	50	50	44.1	47.0	88	94	65-144	6	30	
cis-1,2-Dichloroethene	ug/L	ND	50	50	55.2	52.2	110	104	75-125	6	30	
cis-1,3-Dichloropropene	ug/L	ND	50	50	50.9	48.2	102	96	75-125	5	30	
Dibromochloromethane	ug/L	ND	50	50	52.4	48.6	105	97	75-125	7	30	
Dibromomethane	ug/L	ND	50	50	52.1	49.1	104	98	75-125	6	30	
Dichlorodifluoromethane	ug/L	ND	50	50	54.4	53.8	109	108	55-150	1	30	
Dichlorofluoromethane	ug/L	ND	50	50	53.8	50.5	108	101	75-129	6	30	
Diethyl ether (Ethyl ether)	ug/L	ND	50	50	53.3	50.5	107	101	75-125	5	30	
Ethylbenzene	ug/L	ND	50	50	52.4	49.6	105	99	75-137	6	30	
Hexachloro-1,3-butadiene	ug/L	ND	25	25	27.2	25.9	109	104	69-150	5	30	
Isopropylbenzene (Cumene)	ug/L	ND	50	50	53.1	50.4	106	101	75-125	5	30	
m&p-Xylene	ug/L	ND	100	100	104	99.2	104	99	71-133	5	30	
Methyl-tert-butyl ether	ug/L	ND	50	50	51.9	49.4	104	99	75-125	5	30	
Methylene Chloride	ug/L	ND	50	50	47.9	48.9	96	98	75-125	2	30	
n-Butylbenzene	ug/L	ND	50	50	54.3	51.2	109	102	75-141	6	30	
n-Propylbenzene	ug/L	ND	50	50	54.6	51.4	109	103	75-132	6	30	
Naphthalene	ug/L	ND	50	50	49.9	47.7	100	95	74-138	5	30	
o-Xylene	ug/L	ND	50	50	52.9	49.4	106	99	75-128	7	30	
p-Isopropyltoluene	ug/L	ND	50	50	53.5	50.4	107	101	75-133	6	30	
sec-Butylbenzene	ug/L	ND	50	50	53.9	50.8	108	102	75-136	6	30	
Styrene	ug/L	ND	50	50	53.6	48.2	107	96	72-125	11	30	
tert-Butylbenzene	ug/L	ND	50	50	52.9	49.7	106	99	75-132	6	30	
Tetrachloroethene	ug/L	ND	50	50	54.8	51.6	110	103	75-126	6	30	
Tetrahydrofuran	ug/L	ND	500	500	500	479	100	96	64-128	4	30	
Toluene	ug/L	ND	50	50	52.9	49.9	106	100	75-125	6	30	
trans-1,2-Dichloroethene	ug/L	ND	50	50	54.5	51.5	109	103	75-127	6	30	
trans-1,3-Dichloropropene	ug/L	ND	50	50	51.1	48.6	102	97	75-125	5	30	
Trichloroethene	ug/L	ND	50	50	54.0	50.6	108	101	75-125	7	30	
Trichlorofluoromethane	ug/L	ND	50	50	56.6	56.8	113	114	75-150	.3	30	
Vinyl chloride	ug/L	ND	50	50	54.0	53.6	108	107	74-142	.8	30	
Xylene (Total)	ug/L	ND	150	150	157	149	105	99	73-132	6	30	
1,2-Dichloroethane-d4 (S)	%						100	100	75-125			
4-Bromofluorobenzene (S)	%						101	100	75-125			
Dibromofluoromethane (S)	%						103	101	75-125			
Toluene-d8 (S)	%						100	100	75-125			

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10176553

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.

ANALYTE QUALIFIERS

1M	Post-analysis pH measurement indicates insufficient VOA sample preservation. Therefore, analysis was conducted outside the recognized method holding time.
CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. 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.: 10176553

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10176553001	**MW-17**	EPA 8260	MSV/18732		
10176553002	**MW-18**	EPA 8260	MSV/18732		
10176553003	**DPE-1**	EPA 8260	MSV/18749		
10176553004	**DPE-2**	EPA 8260	MSV/18732		
10176553005	**DPE-3**	EPA 8260	MSV/18732		
10176553006	**DPE-4**	EPA 8260	MSV/18732		
10176553007	**DPE-5**	EPA 8260	MSV/18732		
10176553008	**DPE-6**	EPA 8260	MSV/18732		
10176553009	**DPE-7**	EPA 8260	MSV/18732		
10176553010	**DPE-8**	EPA 8260	MSV/18732		
10176553011	**MW-15**	EPA 8260	MSV/18732		
10176553012	**MW-16**	EPA 8260	MSV/18749		
10176553013	**MW-19**	EPA 8260	MSV/18732		
10176553014	**MW-20**	EPA 8260	MSV/18732		
10176553015	**MW-14**	EPA 8260	MSV/18732		
10176553016	**Trip Blank**	EPA 8260	MSV/18732		

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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.

1134

10176553

Page: 1 of 2

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 ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ 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	Filtered (Y/N)	Requested Analysis: EPA 8260 VOCs	Pace Project Number Lab I.D.
1	MW-17	W	G	11/21/11	18:50				3										X	001
2	MW-18	W	G	11/21/11	17:50				3										X	002
3	DPE-1	W	G	11/21/11	11:40				3										X	003
4	DPE-2	W	G	11/21/11	11:59				3										X	004
5	DPE-3	W	G	11/21/11	12:20				3										X	005
6	DPE-4	W	G	11/21/11	12:40				3										X	006
7	DPE-5	W	G	11/21/11	13:00				3										X	007
8	DPE-6	W	G	11/21/11	13:20				3										X	008
9	DPE-7	W	G	11/21/11	13:40				3										X	009
10	DPE-8	W	G	11/21/11	14:00				3										X	010
11	MW-15	W	G	11/21/11	16:50				3										X	011
12	MW-16	W	G	11/21/11	20:50				3										X	012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			JJ Pace	112211	1412

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
1.0	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): 11/22/11

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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.

1134

10176553

10176553

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 ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ 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: EPA 8260 VOCs	Pace Project Number Lab I.D.
1	MW-19	W	G	11/21/11	14:50				3									X	013
2	MW-20	W	G	11/21/11	19:50				3									X	014
3	MW-14	W	G	11/21/11	15:50				3									X	015
4																			TB's 016
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			JJ Pace	11/22/11	1412

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
1.0	(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): 11/22/11

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark Environmental Project # 10176553

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 1.0 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: SS 11/22/11

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:	☑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
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☑N/A	Samp #
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed SS / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☑No ☐N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☑Yes ☐No ☐N/A	16.
Trip Blank Custody Seals Present	☑Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 110711-1		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CM **Date:** 11/23/11

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

December 01, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10176552

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on November 22, 2011. 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.: 10176552

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.: 10176552

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10176552001	**AS-Influent**	Water	11/21/11 11:00	11/22/11 14:12
10176552002	**AS-Effluent**	Water	11/21/11 11:05	11/22/11 14:12

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10176552

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10176552001	**AS-Influent**	EPA 624	ECB	82
10176552002	**AS-Effluent**	EPA 624	ECB	82

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

ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176552

Sample: AS-Influent **Lab ID: 10176552001** Collected: 11/21/11 11:00 Received: 11/22/11 14:12 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		11/30/11 22:07	67-64-1	
Acrolein	ND	ug/L	10.0	1		11/30/11 22:07	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		11/30/11 22:07	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		11/30/11 22:07	107-05-1	
Benzene	ND	ug/L	1.0	1		11/30/11 22:07	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/30/11 22:07	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/30/11 22:07	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/30/11 22:07	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/30/11 22:07	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/30/11 22:07	74-83-9	CL,L2
2-Butanone (MEK)	ND	ug/L	4.0	1		11/30/11 22:07	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		11/30/11 22:07	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		11/30/11 22:07	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/30/11 22:07	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		11/30/11 22:07	110-75-8	
Chloroform	ND	ug/L	1.0	1		11/30/11 22:07	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/30/11 22:07	74-87-3	
Chloroprene	ND	ug/L	1.0	1		11/30/11 22:07	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		11/30/11 22:07	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/30/11 22:07	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/30/11 22:07	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/30/11 22:07	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/30/11 22:07	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/30/11 22:07	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/30/11 22:07	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/30/11 22:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/30/11 22:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/30/11 22:07	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/30/11 22:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/30/11 22:07	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/30/11 22:07	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/30/11 22:07	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/30/11 22:07	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/30/11 22:07	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/30/11 22:07	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/30/11 22:07	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/30/11 22:07	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/30/11 22:07	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/30/11 22:07	87-68-3	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176552

Sample: AS-Influent **Lab ID: 10176552001** Collected: 11/21/11 11:00 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
2-Hexanone	ND	ug/L	4.0	1		11/30/11 22:07	591-78-6	
Iodomethane	ND	ug/L	4.0	1		11/30/11 22:07	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/30/11 22:07	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/30/11 22:07	99-87-6	
Methylene Chloride	ND	ug/L	10.0	1		11/30/11 22:07	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		11/30/11 22:07	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/30/11 22:07	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/30/11 22:07	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		11/30/11 22:07	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	103-65-1	
Styrene	ND	ug/L	1.0	1		11/30/11 22:07	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/30/11 22:07	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/30/11 22:07	79-34-5	
Tetrachloroethene	**31.6**	ug/L	1.0	1		11/30/11 22:07	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/30/11 22:07	109-99-9	
Toluene	ND	ug/L	1.0	1		11/30/11 22:07	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/30/11 22:07	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/30/11 22:07	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/30/11 22:07	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/30/11 22:07	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/30/11 22:07	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/30/11 22:07	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/30/11 22:07	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/30/11 22:07	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/30/11 22:07	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		11/30/11 22:07	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/30/11 22:07	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/30/11 22:07	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/30/11 22:07	95-47-6	
Surrogates								
Dibromofluoromethane (S)	102	%	75-125	1		11/30/11 22:07	1868-53-7	
4-Bromofluorobenzene (S)	98	%	75-125	1		11/30/11 22:07	460-00-4	
Toluene-d8 (S)	98	%	75-125	1		11/30/11 22:07	2037-26-5	
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		11/30/11 22:07	17060-07-0	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176552

Sample: AS-Effluent **Lab ID: 10176552002** Collected: 11/21/11 11:05 Received: 11/22/11 14:12 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		11/30/11 21:02	67-64-1	
Acrolein	ND	ug/L	10.0	1		11/30/11 21:02	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		11/30/11 21:02	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		11/30/11 21:02	107-05-1	
Benzene	ND	ug/L	1.0	1		11/30/11 21:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		11/30/11 21:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		11/30/11 21:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		11/30/11 21:02	75-27-4	
Bromoform	ND	ug/L	4.0	1		11/30/11 21:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		11/30/11 21:02	74-83-9	CL,L2
2-Butanone (MEK)	ND	ug/L	4.0	1		11/30/11 21:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		11/30/11 21:02	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		11/30/11 21:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		11/30/11 21:02	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		11/30/11 21:02	110-75-8	
Chloroform	ND	ug/L	1.0	1		11/30/11 21:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		11/30/11 21:02	74-87-3	
Chloroprene	ND	ug/L	1.0	1		11/30/11 21:02	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		11/30/11 21:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		11/30/11 21:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		11/30/11 21:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		11/30/11 21:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		11/30/11 21:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		11/30/11 21:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		11/30/11 21:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		11/30/11 21:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		11/30/11 21:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		11/30/11 21:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		11/30/11 21:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	4.0	1		11/30/11 21:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		11/30/11 21:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		11/30/11 21:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		11/30/11 21:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		11/30/11 21:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		11/30/11 21:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		11/30/11 21:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		11/30/11 21:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		11/30/11 21:02	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		11/30/11 21:02	87-68-3	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10176552

Sample: AS-Effluent **Lab ID: 10176552002** Collected: 11/21/11 11:05 Received: 11/22/11 14:12 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
2-Hexanone	ND	ug/L	4.0	1		11/30/11 21:02	591-78-6	
Iodomethane	ND	ug/L	4.0	1		11/30/11 21:02	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		11/30/11 21:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		11/30/11 21:02	99-87-6	
Methylene Chloride	ND	ug/L	10.0	1		11/30/11 21:02	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		11/30/11 21:02	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		11/30/11 21:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		11/30/11 21:02	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		11/30/11 21:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	103-65-1	
Styrene	ND	ug/L	1.0	1		11/30/11 21:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		11/30/11 21:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		11/30/11 21:02	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		11/30/11 21:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		11/30/11 21:02	109-99-9	
Toluene	ND	ug/L	1.0	1		11/30/11 21:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		11/30/11 21:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		11/30/11 21:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		11/30/11 21:02	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		11/30/11 21:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		11/30/11 21:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		11/30/11 21:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		11/30/11 21:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		11/30/11 21:02	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		11/30/11 21:02	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		11/30/11 21:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		11/30/11 21:02	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		11/30/11 21:02	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		11/30/11 21:02	95-47-6	
Surrogates								
Dibromofluoromethane (S)	104	%	75-125	1		11/30/11 21:02	1868-53-7	
4-Bromofluorobenzene (S)	98	%	75-125	1		11/30/11 21:02	460-00-4	
Toluene-d8 (S)	97	%	75-125	1		11/30/11 21:02	2037-26-5	
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		11/30/11 21:02	17060-07-0	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176552

QC Batch: MSV/18760 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10176552001, 10176552002

METHOD BLANK: 1107499 Matrix: Water
Associated Lab Samples: 10176552001, 10176552002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1,1-Trichloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1,2-Trichloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1-Dichloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,1-Dichloroethene	ug/L	ND	1.0	11/30/11 19:56	
1,1-Dichloropropene	ug/L	ND	1.0	11/30/11 19:56	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
1,2,3-Trichloropropane	ug/L	ND	4.0	11/30/11 19:56	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	11/30/11 19:56	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	11/30/11 19:56	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	11/30/11 19:56	
1,2-Dichlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
1,2-Dichloroethane	ug/L	ND	1.0	11/30/11 19:56	
1,2-Dichloropropane	ug/L	ND	4.0	11/30/11 19:56	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	11/30/11 19:56	
1,3-Dichlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
1,3-Dichloropropane	ug/L	ND	1.0	11/30/11 19:56	
1,4-Dichlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
2,2-Dichloropropane	ug/L	ND	4.0	11/30/11 19:56	
2-Butanone (MEK)	ug/L	ND	4.0	11/30/11 19:56	
2-Chloroethylvinyl ether	ug/L	ND	10.0	11/30/11 19:56	
2-Chlorotoluene	ug/L	ND	1.0	11/30/11 19:56	
2-Hexanone	ug/L	ND	4.0	11/30/11 19:56	
2-Methylnaphthalene	ug/L	ND	5.0	11/30/11 19:56	
4-Chlorotoluene	ug/L	ND	1.0	11/30/11 19:56	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	11/30/11 19:56	
Acetone	ug/L	ND	25.0	11/30/11 19:56	
Acrolein	ug/L	ND	10.0	11/30/11 19:56	
Acrylonitrile	ug/L	ND	10.0	11/30/11 19:56	
Allyl chloride	ug/L	ND	4.0	11/30/11 19:56	
Benzene	ug/L	ND	1.0	11/30/11 19:56	
Bromobenzene	ug/L	ND	1.0	11/30/11 19:56	
Bromochloromethane	ug/L	ND	1.0	11/30/11 19:56	
Bromodichloromethane	ug/L	ND	1.0	11/30/11 19:56	
Bromoform	ug/L	ND	4.0	11/30/11 19:56	
Bromomethane	ug/L	ND	4.0	11/30/11 19:56	CL
Carbon disulfide	ug/L	ND	1.0	11/30/11 19:56	
Carbon tetrachloride	ug/L	ND	1.0	11/30/11 19:56	
Chlorobenzene	ug/L	ND	1.0	11/30/11 19:56	
Chloroethane	ug/L	ND	1.0	11/30/11 19:56	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176552

METHOD BLANK: 1107499 Matrix: Water

Associated Lab Samples: 10176552001, 10176552002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	11/30/11 19:56	
Chloromethane	ug/L	ND	4.0	11/30/11 19:56	
Chloroprene	ug/L	ND	1.0	11/30/11 19:56	
cis-1,2-Dichloroethene	ug/L	ND	1.0	11/30/11 19:56	
cis-1,3-Dichloropropene	ug/L	ND	4.0	11/30/11 19:56	
Dibromochloromethane	ug/L	ND	1.0	11/30/11 19:56	
Dibromomethane	ug/L	ND	4.0	11/30/11 19:56	
Dichlorodifluoromethane	ug/L	ND	1.0	11/30/11 19:56	
Dichlorofluoromethane	ug/L	ND	1.0	11/30/11 19:56	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	11/30/11 19:56	
Ethylbenzene	ug/L	ND	1.0	11/30/11 19:56	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	11/30/11 19:56	
Iodomethane	ug/L	ND	4.0	11/30/11 19:56	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	11/30/11 19:56	
m&p-Xylene	ug/L	ND	2.0	11/30/11 19:56	
Methyl-tert-butyl ether	ug/L	ND	1.0	11/30/11 19:56	
Methylene Chloride	ug/L	ND	10.0	11/30/11 19:56	
n-Butylbenzene	ug/L	ND	1.0	11/30/11 19:56	
n-Propylbenzene	ug/L	ND	1.0	11/30/11 19:56	
Naphthalene	ug/L	ND	4.0	11/30/11 19:56	
o-Xylene	ug/L	ND	1.0	11/30/11 19:56	
p-Isopropyltoluene	ug/L	ND	1.0	11/30/11 19:56	
sec-Butylbenzene	ug/L	ND	1.0	11/30/11 19:56	
Styrene	ug/L	ND	1.0	11/30/11 19:56	
tert-Butylbenzene	ug/L	ND	1.0	11/30/11 19:56	
Tetrachloroethene	ug/L	ND	1.0	11/30/11 19:56	
Tetrahydrofuran	ug/L	ND	10.0	11/30/11 19:56	
Toluene	ug/L	ND	1.0	11/30/11 19:56	
trans-1,2-Dichloroethene	ug/L	ND	4.0	11/30/11 19:56	
trans-1,3-Dichloropropene	ug/L	ND	4.0	11/30/11 19:56	
Trichloroethene	ug/L	ND	1.0	11/30/11 19:56	
Trichlorofluoromethane	ug/L	ND	1.0	11/30/11 19:56	
Vinyl acetate	ug/L	ND	10.0	11/30/11 19:56	
Vinyl chloride	ug/L	ND	0.40	11/30/11 19:56	
Xylene (Total)	ug/L	ND	3.0	11/30/11 19:56	
1,2-Dichloroethane-d4 (S)	%	101	75-125	11/30/11 19:56	
4-Bromofluorobenzene (S)	%	98	75-125	11/30/11 19:56	
Dibromofluoromethane (S)	%	104	75-125	11/30/11 19:56	
Toluene-d8 (S)	%	98	75-125	11/30/11 19:56	

LABORATORY CONTROL SAMPLE: 1107500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	48.7	97	75-129	
1,1,1-Trichloroethane	ug/L	50	49.5	99	73-144	

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.: 10176552

LABORATORY CONTROL SAMPLE: 1107500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	50	48.0	96	75-125	
1,1,2-Trichloroethane	ug/L	50	50.2	100	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	49.0	98	75-143	
1,1-Dichloroethane	ug/L	50	48.4	97	75-135	
1,1-Dichloroethene	ug/L	50	48.1	96	75-133	
1,1-Dichloropropene	ug/L	50	47.9	96	75-131	
1,2,3-Trichlorobenzene	ug/L	50	49.9	100	73-141	
1,2,3-Trichloropropane	ug/L	50	48.6	97	75-126	
1,2,4-Trichlorobenzene	ug/L	50	51.5	103	70-148	
1,2,4-Trimethylbenzene	ug/L	50	48.3	97	75-141	
1,2-Dibromo-3-chloropropane	ug/L	50	47.4	95	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	49.4	99	75-125	
1,2-Dichlorobenzene	ug/L	50	49.1	98	75-125	
1,2-Dichloroethane	ug/L	50	50.2	100	75-136	
1,2-Dichloropropane	ug/L	50	47.5	95	75-130	
1,3,5-Trimethylbenzene	ug/L	50	47.3	95	75-141	
1,3-Dichlorobenzene	ug/L	50	49.1	98	75-125	
1,3-Dichloropropane	ug/L	50	49.1	98	75-125	
1,4-Dichlorobenzene	ug/L	50	48.4	97	75-125	
2,2-Dichloropropane	ug/L	50	47.8	96	50-150	
2-Butanone (MEK)	ug/L	50	51.8	104	58-138	
2-Chloroethylvinyl ether	ug/L	125	115	92	50-150	
2-Chlorotoluene	ug/L	50	48.2	96	75-132	
2-Hexanone	ug/L	50	47.5	95	65-135	
2-Methylnaphthalene	ug/L	25	24.3	97	62-150	
4-Chlorotoluene	ug/L	50	47.1	94	75-135	
4-Methyl-2-pentanone (MIBK)	ug/L	50	46.3	93	69-137	
Acetone	ug/L	125	139	111	52-141	
Acrolein	ug/L	500	502	100	50-150	
Acrylonitrile	ug/L	500	472	94	75-130	
Allyl chloride	ug/L	50	51.1	102	68-150	
Benzene	ug/L	50	48.8	98	75-125	
Bromobenzene	ug/L	50	49.1	98	75-125	
Bromochloromethane	ug/L	50	48.8	98	75-129	
Bromodichloromethane	ug/L	50	48.8	98	75-142	
Bromoform	ug/L	50	48.0	96	66-135	
Bromomethane	ug/L	50	22.7	45	57-150	CL,L0
Carbon disulfide	ug/L	50	43.2	86	65-132	
Carbon tetrachloride	ug/L	50	48.1	96	75-148	
Chlorobenzene	ug/L	50	48.2	96	75-125	
Chloroethane	ug/L	50	43.1	86	66-142	
Chloroform	ug/L	50	50.1	100	75-131	
Chloromethane	ug/L	50	40.9	82	52-147	
Chloroprene	ug/L	50	47.0	94	71-147	
cis-1,2-Dichloroethene	ug/L	50	50.6	101	75-126	
cis-1,3-Dichloropropene	ug/L	50	47.8	96	69-150	
Dibromochloromethane	ug/L	50	49.6	99	73-138	
Dibromomethane	ug/L	50	48.4	97	75-127	

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.: 10176552

LABORATORY CONTROL SAMPLE: 1107500

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dichlorodifluoromethane	ug/L	50	42.1	84	50-150	
Dichlorofluoromethane	ug/L	50	47.9	96	75-129	
Diethyl ether (Ethyl ether)	ug/L	50	49.9	100	75-126	
Ethylbenzene	ug/L	50	47.3	95	75-132	
Hexachloro-1,3-butadiene	ug/L	25	25.3	101	75-129	
Iodomethane	ug/L	50	56.1	112	73-150	
Isopropylbenzene (Cumene)	ug/L	50	47.8	96	75-142	
m&p-Xylene	ug/L	100	94.2	94	75-131	
Methyl-tert-butyl ether	ug/L	50	50.0	100	75-130	
Methylene Chloride	ug/L	50	47.5	95	71-125	
n-Butylbenzene	ug/L	50	48.4	97	70-148	
n-Propylbenzene	ug/L	50	48.5	97	75-136	
Naphthalene	ug/L	50	48.2	96	69-145	
o-Xylene	ug/L	50	48.4	97	75-129	
p-Isopropyltoluene	ug/L	50	47.7	95	75-132	
sec-Butylbenzene	ug/L	50	47.7	95	75-136	
Styrene	ug/L	50	47.5	95	75-125	
tert-Butylbenzene	ug/L	50	47.0	94	75-135	
Tetrachloroethene	ug/L	50	47.1	94	75-125	
Tetrahydrofuran	ug/L	500	513	103	63-144	
Toluene	ug/L	50	47.1	94	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.4	97	72-135	
trans-1,3-Dichloropropene	ug/L	50	47.1	94	62-150	
Trichloroethene	ug/L	50	48.3	97	75-125	
Trichlorofluoromethane	ug/L	50	48.6	97	67-150	
Vinyl acetate	ug/L	50	48.2	96	55-150	
Vinyl chloride	ug/L	50	47.6	95	63-147	
Xylene (Total)	ug/L	150	143	95	75-130	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			99	75-125	
Dibromofluoromethane (S)	%			103	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 1107502

Parameter	Units	10176823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	50	49.1	98	70-136	
1,1,1-Trichloroethane	ug/L	ND	50	52.5	105	68-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	50	47.5	95	75-125	
1,1,2-Trichloroethane	ug/L	ND	50	49.1	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	50	58.5	117	75-150	
1,1-Dichloroethane	ug/L	ND	50	49.8	100	67-143	
1,1-Dichloroethene	ug/L	ND	50	52.3	105	75-147	
1,1-Dichloropropene	ug/L	ND	50	52.1	104	75-141	
1,2,3-Trichlorobenzene	ug/L	ND	50	48.4	97	71-141	
1,2,3-Trichloropropane	ug/L	ND	50	47.5	95	75-128	
1,2,4-Trichlorobenzene	ug/L	ND	50	50.6	101	61-148	

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

Project: CRC City of Rochester
Pace Project No.: 10176552

MATRIX SPIKE SAMPLE: 1107502

Parameter	Units	10176823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	ND	50	48.7	97	65-145	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	45.4	91	64-135	
1,2-Dibromoethane (EDB)	ug/L	ND	50	49.0	98	75-126	
1,2-Dichlorobenzene	ug/L	ND	50	49.2	98	75-127	
1,2-Dichloroethane	ug/L	ND	50	49.5	99	70-138	
1,2-Dichloropropane	ug/L	ND	50	46.9	94	75-130	
1,3,5-Trimethylbenzene	ug/L	ND	50	48.8	98	61-150	
1,3-Dichlorobenzene	ug/L	ND	50	49.1	98	75-126	
1,3-Dichloropropane	ug/L	ND	50	48.2	96	75-125	
1,4-Dichlorobenzene	ug/L	ND	50	48.9	98	75-125	
2,2-Dichloropropane	ug/L	ND	50	50.8	102	50-150	
2-Butanone (MEK)	ug/L	ND	50	45.1	90	50-141	
2-Chloroethylvinyl ether	ug/L	ND	125	ND	0	50-150	M1
2-Chlorotoluene	ug/L	ND	50	49.4	99	75-137	
2-Hexanone	ug/L	ND	50	44.0	88	66-135	
2-Methylnaphthalene	ug/L	ND	25	23.4	94	62-150	
4-Chlorotoluene	ug/L	ND	50	49.9	100	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	50	44.1	88	62-142	
Acetone	ug/L	ND	125	112	88	50-150	
Acrolein	ug/L	ND	500	447	89	50-150	
Acrylonitrile	ug/L	ND	500	509	102	70-135	
Allyl chloride	ug/L	ND	50	58.0	116	50-150	
Benzene	ug/L	ND	50	49.9	100	75-125	
Bromobenzene	ug/L	ND	50	48.8	98	75-125	
Bromochloromethane	ug/L	ND	50	49.2	98	73-137	
Bromodichloromethane	ug/L	ND	50	49.1	98	70-142	
Bromoform	ug/L	ND	50	46.6	93	55-135	
Bromomethane	ug/L	ND	50	29.6	59	50-150	CL
Carbon disulfide	ug/L	ND	50	47.3	93	50-150	
Carbon tetrachloride	ug/L	ND	50	52.1	104	64-150	
Chlorobenzene	ug/L	ND	50	48.4	97	75-125	
Chloroethane	ug/L	ND	50	45.4	91	59-150	
Chloroform	ug/L	ND	50	50.5	101	75-132	
Chloromethane	ug/L	ND	50	41.0	82	52-150	
Chloroprene	ug/L	ND	50	50.4	101	54-150	
cis-1,2-Dichloroethene	ug/L	5.1	50	56.5	103	64-144	
cis-1,3-Dichloropropene	ug/L	ND	50	47.1	94	56-150	
Dibromochloromethane	ug/L	ND	50	48.0	96	60-138	
Dibromomethane	ug/L	ND	50	48.2	96	75-127	
Dichlorodifluoromethane	ug/L	ND	50	48.8	98	50-150	
Dichlorofluoromethane	ug/L	ND	50	50.0	100	74-142	
Diethyl ether (Ethyl ether)	ug/L	ND	50	49.3	99	75-127	
Ethylbenzene	ug/L	ND	50	48.4	97	75-134	
Hexachloro-1,3-butadiene	ug/L	ND	25	25.9	104	63-150	
Iodomethane	ug/L	ND	50	70.2	140	50-150	
Isopropylbenzene (Cumene)	ug/L	ND	50	49.8	100	69-147	
m&p-Xylene	ug/L	ND	100	96.8	97	75-133	
Methyl-tert-butyl ether	ug/L	ND	50	48.7	97	73-131	

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

Project: CRC City of Rochester
Pace Project No.: 10176552

MATRIX SPIKE SAMPLE: 1107502

Parameter	Units	10176823001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	ND	50	48.1	96	68-126	
n-Butylbenzene	ug/L	ND	50	51.0	102	59-150	
n-Propylbenzene	ug/L	ND	50	50.9	102	72-143	
Naphthalene	ug/L	ND	50	47.3	95	57-148	
o-Xylene	ug/L	ND	50	48.9	98	75-131	
p-Isopropyltoluene	ug/L	ND	50	50.1	100	75-137	
sec-Butylbenzene	ug/L	ND	50	50.3	101	75-144	
Styrene	ug/L	ND	50	49.5	99	75-134	
tert-Butylbenzene	ug/L	ND	50	49.6	99	68-150	
Tetrachloroethene	ug/L	ND	50	51.0	102	75-130	
Tetrahydrofuran	ug/L	ND	500	482	96	60-148	
Toluene	ug/L	ND	50	48.7	97	75-125	
trans-1,2-Dichloroethene	ug/L	ND	50	50.1	100	75-145	
trans-1,3-Dichloropropene	ug/L	ND	50	46.5	93	50-150	
Trichloroethene	ug/L	6.5	50	57.4	102	73-132	
Trichlorofluoromethane	ug/L	ND	50	53.1	106	67-150	
Vinyl acetate	ug/L	ND	50	45.5	91	50-150	
Vinyl chloride	ug/L	0.78	50	51.1	101	63-150	
Xylene (Total)	ug/L	ND	150	146	97	72-138	
1,2-Dichloroethane-d4 (S)	%				100	75-125	
4-Bromofluorobenzene (S)	%				100	75-125	
Dibromofluoromethane (S)	%				103	75-125	
Toluene-d8 (S)	%				98	75-125	

SAMPLE DUPLICATE: 1107501

Parameter	Units	10176552002 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	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176552

SAMPLE DUPLICATE: 1107501

Parameter	Units	10176552002 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
2-Hexanone	ug/L	ND	ND		30	
2-Methylnaphthalene	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	
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	CL
Carbon disulfide	ug/L	ND	.45J		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	
Chloroprene	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	
Iodomethane	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	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10176552

SAMPLE DUPLICATE: 1107501

Parameter	Units	10176552002 Result	Dup Result	RPD	Max RPD	Qualifiers
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 acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	101	101	.2		
4-Bromofluorobenzene (S)	%	98	99	1		
Dibromofluoromethane (S)	%	104	103	.3		
Toluene-d8 (S)	%	97	97	.04		

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10176552

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.

ANALYTE QUALIFIERS

CL	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
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.: 10176552

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10176552001	**AS-Influent**	EPA 624	MSV/18760		
10176552002	**AS-Effluent**	EPA 624	MSV/18760		

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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.

10176552

1134

10176552

Page: 1 of 1

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 ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ 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	Filtered (Y/N)	Requested Analysis: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	11/21/11	11:00				3										X	001
2	AS-Effluent	W	G	11/21/11	11:05				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
			JJ Pace	11/22/11	1412

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: [signature] DATE Signed (MM / DD / YY): 11/22/11

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

Pace Analytical®	Document Name: **Sample Condition Upon Receipt Form**	Revised Date: 02Jun2011 Page 1 of 1
	Document Number: **F-L-213 Rev.01**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: Landmark Environmental Project # 10176552

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 1.0 **Biological Tissue is Frozen:** Yes No

Temp should be above freezing to 6°C

Date and Initials of person examining contents: SS 11/22/11

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:	☑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.	☐Yes ☐No ☑N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes ☐No	Initial when completed SS / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☑N/A	14.
Headspace in VOA Vials (>6mm):	☐Yes ☑No ☐N/A	15.
Trip Blank Present:	☐Yes ☑No ☐N/A	16.
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: CDW **Date:** 11/23/11

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: 11/21/11	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]):	55	Air Stripper Influent Flow Rate (L/s):	0.038	
	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	693	18				
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	343	9				
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	262	7				
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	777	20				
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

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Sample Date: 11/21/11	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]):	55	Air Stripper Influent Flow Rate (L/s):	0.038	
	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	22,100	578	32	0	1.00	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	294	8				
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	244,000	6,380				
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: 11/21/11
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	0.0		0.0		0.0						0.0			
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								5E-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: 11/21/11
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														
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	0.0			0.0	0.0	0.0								4E-08
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	5.1E-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