December 11, 2013

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 report (Report) to present a status update for the dual phase extraction (DPE) system installed at the above referenced property (Property), as shown in **Figure 1**. This report documents the monthly DPE system operational and analytical data from the August 26, 2013, monitoring event, as well as quarterly groundwater monitoring data from samples collected on August 26, 2013.

Introduction

The DPE system was originally started up on June 29, 2009, and operated continuously on source area well, DPE-1, through October 15, 2009. On October 15, 2009, the DPE system operational configuration was switched from continuous operation on DPE-1 to operating sequentially on all DPE wells. During this time, the DPE system was programmed to operate on each well for 45 minutes before switching to the next well, a process taking 6 hours to complete one full cycle.

On September 8, 2011, the DPE system operational configuration was switched to focus on DPE-1, DPE-2, DPE-3, and DPE-4, based on DPE well perchloroethene (PCE) analytical results and photo-ionization detector readings from the August 28, 2011, monitoring event. During one full 6-hour cycle, DPE-1, DPE-2, DPE-3, and DPE-4 each operated for 85 minutes before switching to the next well, while DPE-5, DPE-6, DPE-7, and DPE-8 each operated 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.

On June 18, 2012, the DPE system operational configuration was switched to focus on DPE-3 based on DPE well PCE analytical results and photo-ionization detector readings from previous monitoring events. During one full 6- hour cycle DPE-3 operated for 5.4 hours and DPE-1, DPE-2, DPE-4, DPE-5, DPE-6, DPE-7 and DPE-8 for 5 minutes before switching to the next well.

After approximately 3 months of focused DPE system operation at DPE-3, the MPCA approved the temporary shut-down of the DPE system based on low concentrations of PCE observed in the groundwater and DPE system emissions. The DPE system was shut down from October 26 through December 21, 2012, a total of 56 days, to evaluate the rebound of PCE concentrations in the groundwater and DPE system emissions. A rebound of PCE concentrations in the groundwater and DPE system emissions were observed in the December 21, 2012, sampling results. Therefore, the DPE system was kept on after being restarted on December 21. Based on groundwater PCE concentrations and PID readings observed at the DPE wells on December 21, 2012, Landmark switched the operational configuration of the DPE system to focus on DPE-1, DPE-2, DPE-3, and DPE-4. The change in the operational configuration was made on January 23, 2013.

After switching the DPE system operational configuration to focus on DPE-1, DPE-2, DPE-3, and DPE-4, on January 23, 2013, the PCE emissions concentrations decreased to asymptotic levels by March 21, 2013. During this time, emissions VOC concentrations reached levels observed prior to the October 26, 2012, sampling event.

The DPE system was temporarily shut down from April 4 through May 23, 2013, to conduct a DPE shutdown period to evaluate the rebound in emissions and groundwater concentrations. During this shutdown period, 15 inches of precipitation fell in the city of Rochester. This is half of the average annual rainfall for Minnesota, which is 30 inches per year. From April 1 through June 30, 2013, 25.6 inches of precipitation fell in Rochester, almost as much as the average annual rainfall in Minnesota. As a result, the groundwater elevations during the May 23, 2013, sampling event were at historical highs causing groundwater to reach pockets of contaminated bedrock that may have never been reached before. The historical high levels of groundwater likely reached pockets of contaminated bedrock above the treatment zone of the DPE system causing VOC concentrations in groundwater to increase.

After restarting the DPE system on May 23, 2013, the DPE system operated until August 26, 2013, when it was shut down to monitor the groundwater and soil vapor concentrations over the next year.

The air sample collection method during sequential operation of the DPE system wells consisted of a composite Summa canister utilizing a 6-hour flow control valve. The DPE system well locations and equipment layout are provided in **Figures 2 and 3**, respectively. A system operation and maintenance summary table is included as **Table 1**.

System Operational Results

When comparing the August 26, 2013, 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 3,154 ug/m^3, a decrease of 99.9 percent (See **Figures 4A** and **4B**, and **Tables 2 and 3**). PCE concentrations decreased from 11,600,000 ug/m^3

to 122 ug/m^3, a decrease of 99.9 percent from the baseline concentration (See **Figures 4A** and **4B**, and **Tables 2 and 3**).

During this reporting period, the DPE system removed approximately 1.32 pounds of total VOCs, including approximately 0.05 pounds of PCE, from June 26, through, August 26, 2013 (see **Figure 5** and **Table 2**). Through August 26, 2013, the DPE system has removed a total of 3,697.51 pounds of total VOCs and 2,788.30 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 August 26, 2013, were below the MPCA screening emissions rate (SER) for chronic risk of 16,300 micrograms per second (ug/s), and for acute risk of 5,980,000 ug/s. The PR emissions rates are provided in **Table 4** and the PR spreadsheets are provided in **Attachment C**.

The cumulative total VOC mass removed from the DPE system groundwater discharge during air stripper operation through August 26, 2013 was 0.66 pounds. The effluent groundwater discharge concentrations were below the City's Water Reclamation Plant discharge criteria of 2,130 ug/L. Mass removal data from the groundwater treatment system is provided in **Table 5** and the groundwater discharge analytical data is included in **Table 6**. The groundwater discharge analytical reports are provided in **Attachment B**.

The August 26, 2013, groundwater hydrographs for the DPE and monitoring wells showed a decreasing trend from the historical high levels observed on May 23, 2013 (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 August 26, 2013. After approximately 4 years of DPE system operation, the PCE concentrations have decreased at all of the monitoring and DPE wells (see **Figures 9A** and **9B**, and **Table 9**). Groundwater VOC concentrations have also decreased significantly from the historical highs observed from the 25.6 inches of precipitation which fell in Rochester from April 1 through June 30, 2013. The associated percent decrease of PCE concentration at each well, when compared to baseline groundwater concentrations, is listed as follows: MW-14 (96.1%), MW-15 (100%), MW-16 (96.7%), MW-17 (73.7%), MW-18 (99.4%), MW-19 (29.1%), MW-20 (92.4%), DPE-1 (99.8%), DPE-2 (99.5%), DPE-3 (95.4%), DPE-4 (97.2%), DPE-5 (97.8%), DPE-6 (97.9%), DPE-7 (100%) and DPE 8 (98.0%). **Figure 10** shows the iso-concentration contour map for PCE during the August 26, 2013, 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**).

Moisture Separator Sediment Management

On October 27, 2013, sample MS-1 was collected from approximately 5 gallons of dried moisture sediment stored in an onsite drum. MS-1 was submitted to Pace Analytical for toxicity characteristic leaching potential (TCLP) analysis for VOCs. TCLP VOCs were not detected in the sample. Therefore, the moisture separator sediment will be disposed of as non-hazardous waste and thin spread on the Property. The laboratory analytical results are included in **Attachment B.**

Conclusions

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

- After approximately 4 years of operation, the DPE system is operating as designed and has removed a significant amount of VOCs since system startup in June 2009.

- Through August 26, 2013, the DPE system has removed 3,697.51 pounds of total VOCs and 2,788.30 pounds of PCE from the subsurface. The cumulative mass removed figure (**Figure 5**) indicates that the mass removed from the DPE system has become asymptotic and has reached a point of diminishing returns.

- The DPE system removed 1.32 pounds of total VOCs, including approximately 0.05 pounds of PCE, from June 26 through August 26, 2013. The low mass removal rates show that the mass removed from the DPE system has reached a point of diminishing returns.

- When comparing the August 26, 2013, concentrations to the baseline emissions data from April 9, 2009, the total VOC and PCE concentrations have decreased 99.9 percent and 99.9 percent, respectively.

- During this reporting period, the site specific emissions rates for PCE were below the MPCA's PR Program acute and chronic emissions criteria.

- After restarting the DPE system on May 23, 2013, the system continued to effectively lower the groundwater elevations on the Property, despite the historical high groundwater elevations observed in May.

- DPE system operation has effectively decreased the concentrations of PCE in the groundwater at the following wells when compared to baseline groundwater concentrations: MW-14 (96.1%), MW-15 (100%), MW-16 (96.7%), MW-17 (73.7%), MW-18 (99.4%), MW-19 (29.1%), MW-20 (92.4%), DPE-1 (99.8%), DPE-2 (99.5%), DPE-3 (95.4%), DPE-4 (97.2%), DPE-5 (97.8%), DPE-6 (97.9%), DPE-7 (100%) and DPE 8 (98.0%).

Recommendations

As recommended in the July 31, 2013, *Quarterly Groundwater Monitoring and Dual Phase Extraction System Effectiveness Report* (Report) the DPE system was permanently shut down on August 26, 2013. Lab reports from the August 26, 2013, groundwater sampling and DPE system monitoring event, along with the PID readings from the passive venting system were sent to the MPCA via email on October 1, 2013. After the MPCA reviewed this additional data, the Report was approved in an email dated October 7, 2013, with the following modifications and clarifications:

1. Regarding the recommendation for permanent shut down - shut down is approved; however, the DPE system installation should be maintained so that it can be restarted in the event that groundwater and/or vapor monitoring concentrations significantly rebound.

2. Regarding discontinued sampling of certain monitoring wells – staff recommends the groundwater sampling of the entire monitoring well network, in order to determine the effects of discontinued DPE system operation. (After obtaining quarterly data after shut-down, staff may approve the recommendation for reducing the monitoring well network and/or sampling frequency.)

3. Due to the PCE groundwater concentration fluctuations associated with changing groundwater elevations, staff requests that the Voluntary Party investigate alternative technologies to address the residual or source area contamination. For example, the application of an enhanced biodegradation agent(s) using the existing DPE ports and wells.

Landmark provided the following responses to the MPCA in an email data October 10, 2013:

1. The DPE system installation will be maintained so that it can be restarted in the event that groundwater and/or vapor monitoring concentrations significantly rebound to the levels recommended by Landmark in the July 31, 2013, *Quarterly Groundwater Monitoring and DPE System Effectiveness Report*. In an effort to keep the DPE system components from deteriorating from a year- long shut down period, Landmark will operate the DPE

system for approximately 24 hours a month through August 2014, the end of the year long monitoring period. DPE system equipment will be replaced and repaired as needed during the next year depending on monthly system performance.

2. Landmark and the City will continue to sample the groundwater from the entire monitoring well network area as recommended by the MPCA.

3. Landmark and the City would prefer to hold off on investigating alternative technologies to address the residual or source area contamination until groundwater monitoring results through August 2014 indicate an alternative technology is necessary. As stated in the July 31, 2013, *Quarterly Groundwater Monitoring and DPE System Effectiveness Report*, Landmark and the City will decommission and remove the DPE system from the building, per MPCA's approval, if the soil vapor and groundwater concentrations do not exceed the following levels after one year of monitoring with the DPE system off (through August 2013):

    - if the soil vapor monitoring concentrations at LSG-7 (the south monitoring location beneath Dolittle's restaurant) increase to levels exceeding the 10X IISV (600 ug/m^3); or,

    - if the concentrations at LSG-8, LSG-9, or LSG-10 (the locations bordering the west alley, the north portion of the Property which has a vapor barrier and venting system, and the sidewalk and street to the east) increase to levels exceeding 100X IISV (6,000 ug/m^3); or,

    - if groundwater concentrations at downgradient and sidegradient monitoring wells MW-14, MW-15, and MW-19 exceed 10X HRL for PCE (70 ug/L).

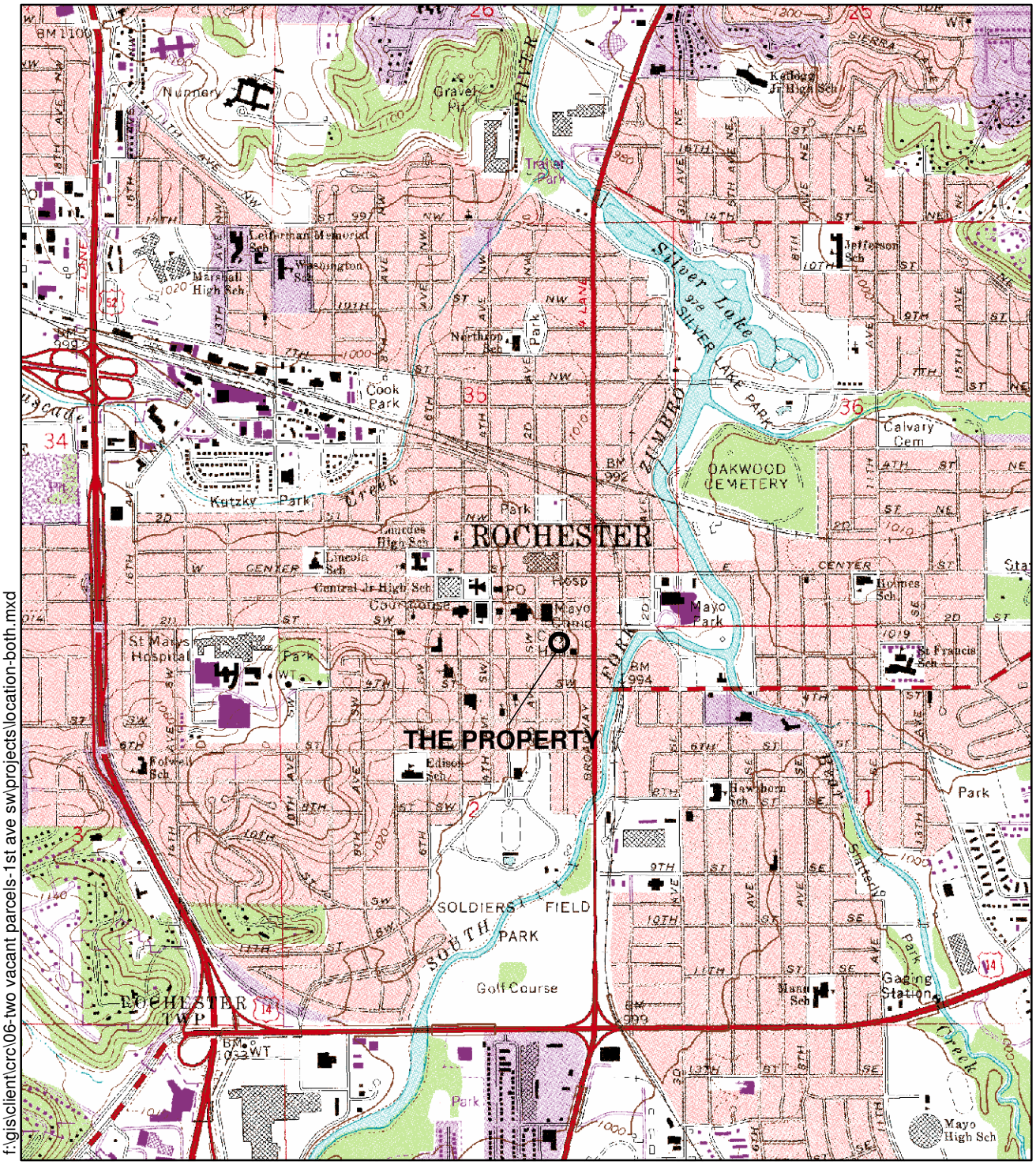
The City and Landmark will continue quarterly groundwater sampling and semiannual soil gas sampling through August 2014. If you have any questions or require additional information, please feel free to contact me at jskramstad@landmarkenv.com and (952) 887-9601, extension 205.

Sincerely,

Jason D. Skramstad, P.E.

Cc: Terry Spaeth, City of Rochester

Figures



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

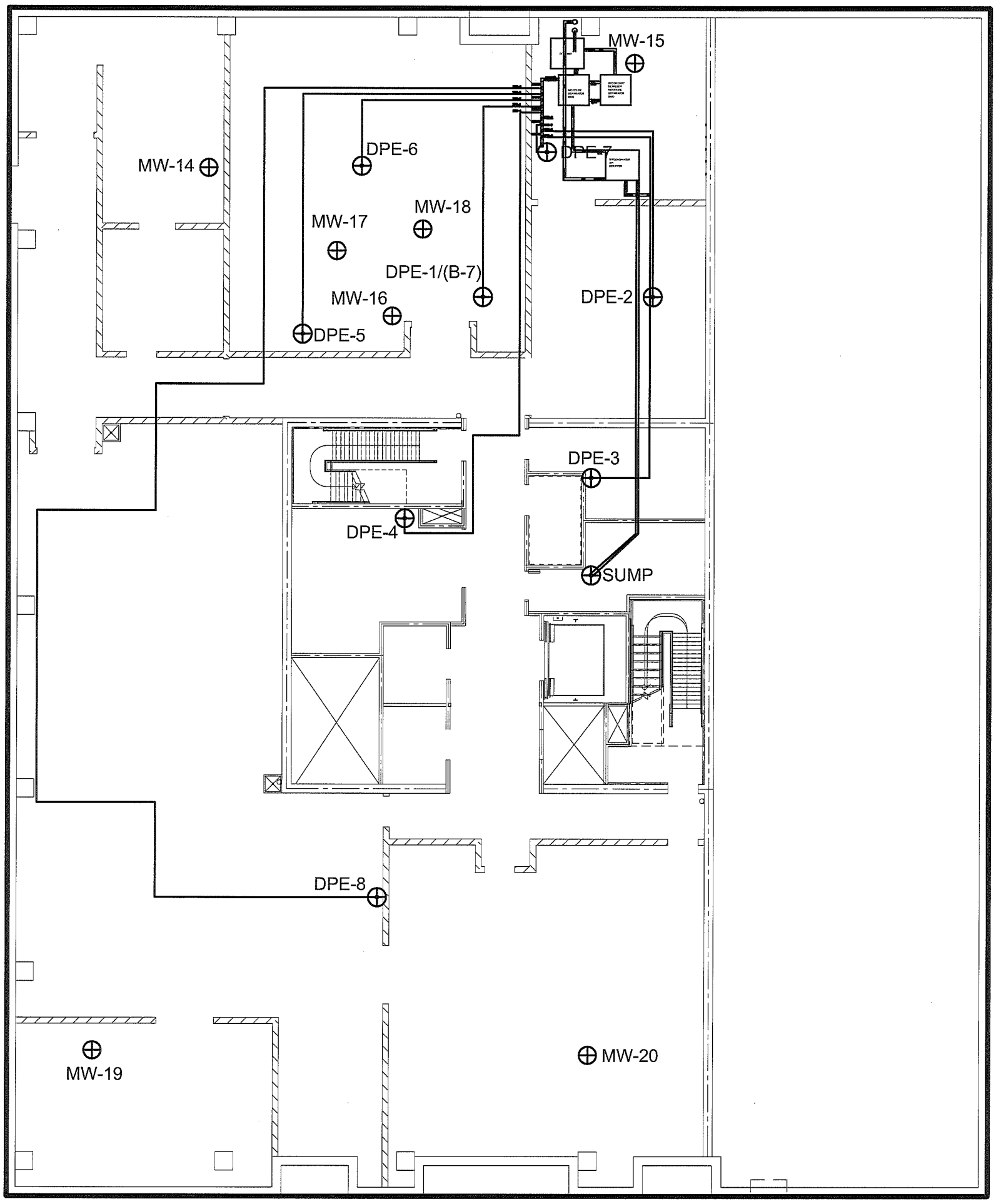
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

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

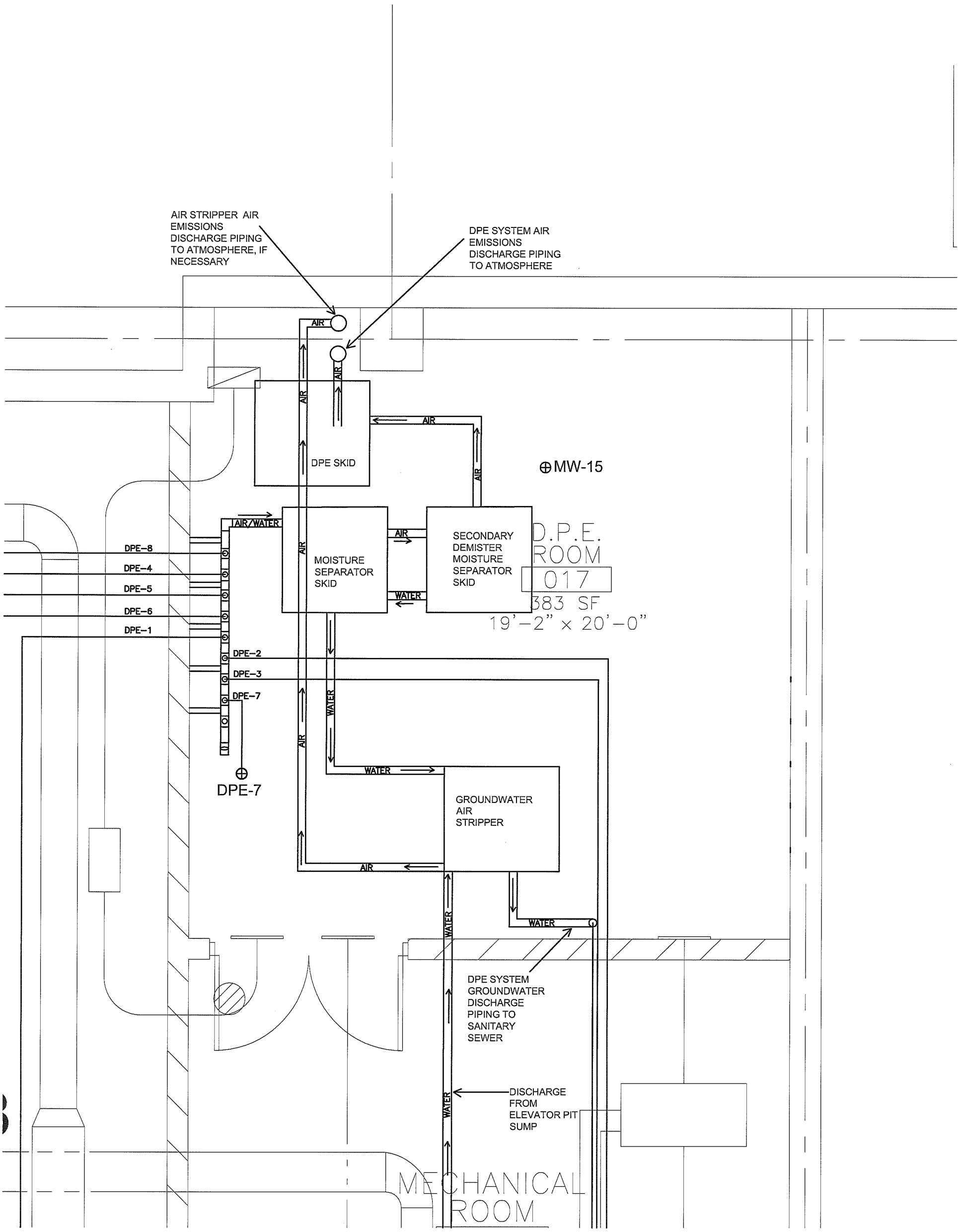
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

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

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

FIGURE 3

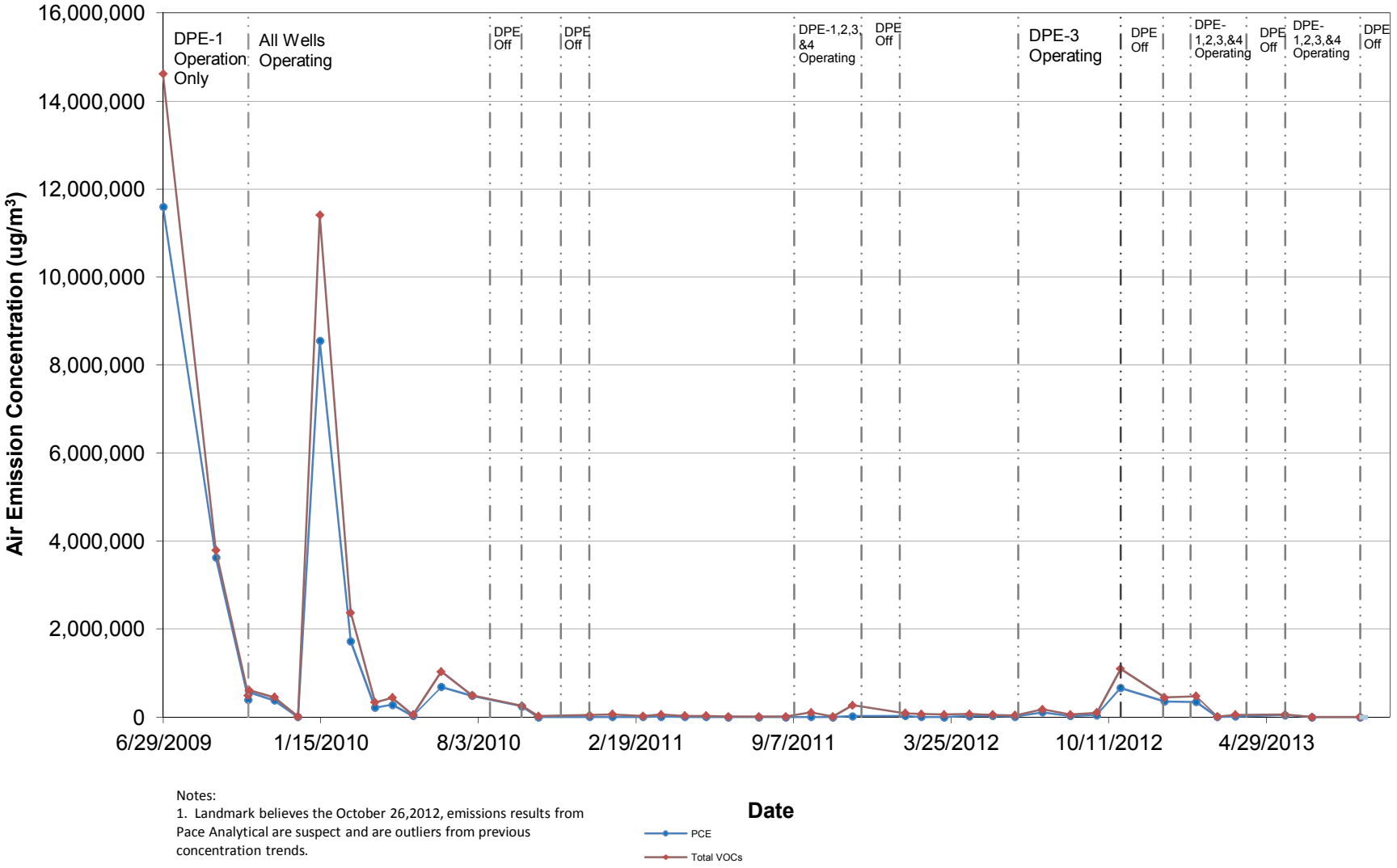
DPE ROOM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

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

FIGURE 4A

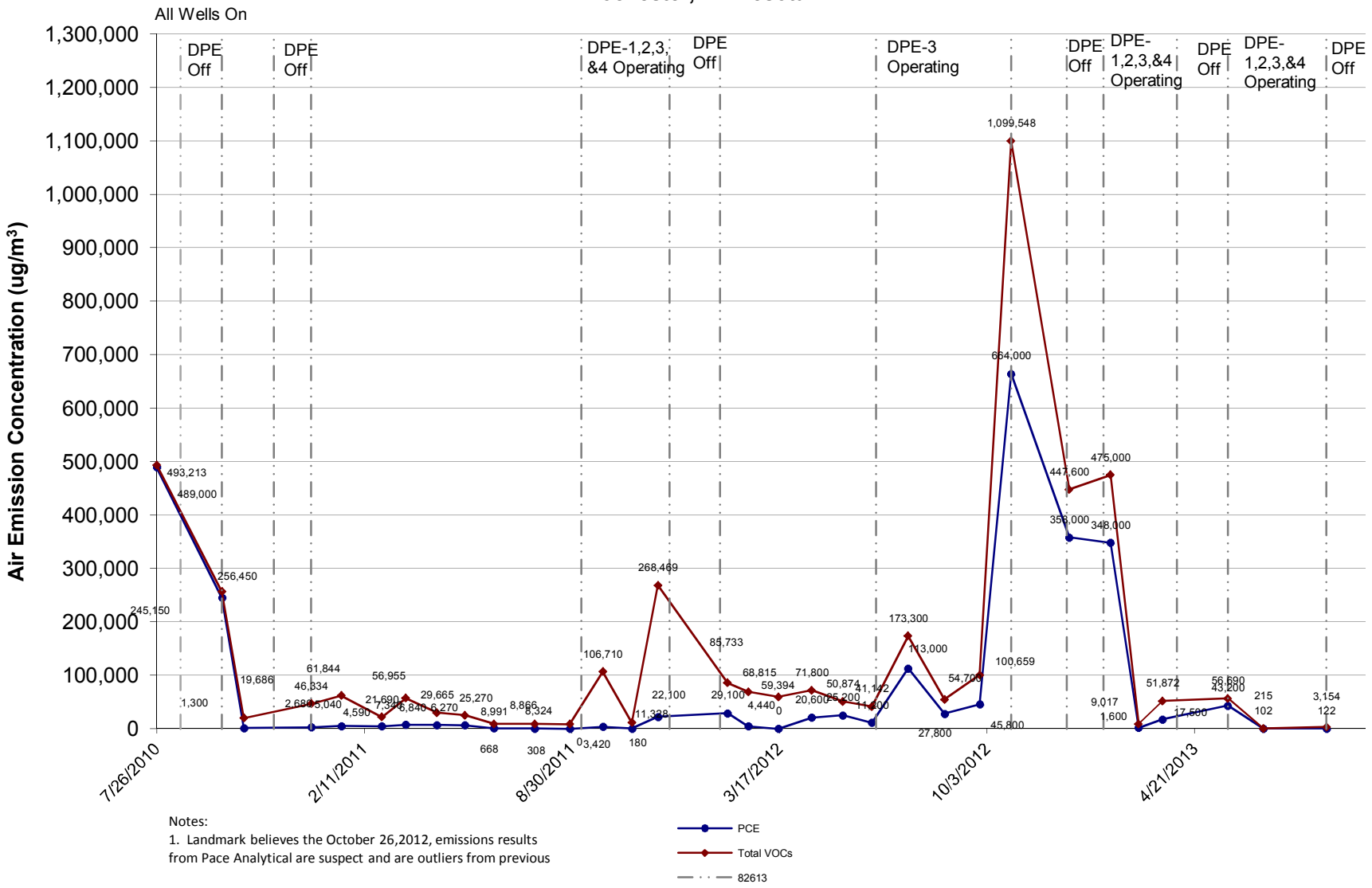
DPE EMISSIONS CONCENTRATIONS-JUNE 2009 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota



Notes:
1. Landmark believes the October 26,2012, emissions results from Pace Analytical are suspect and are outliers from previous concentration trends.

FIGURE 4B

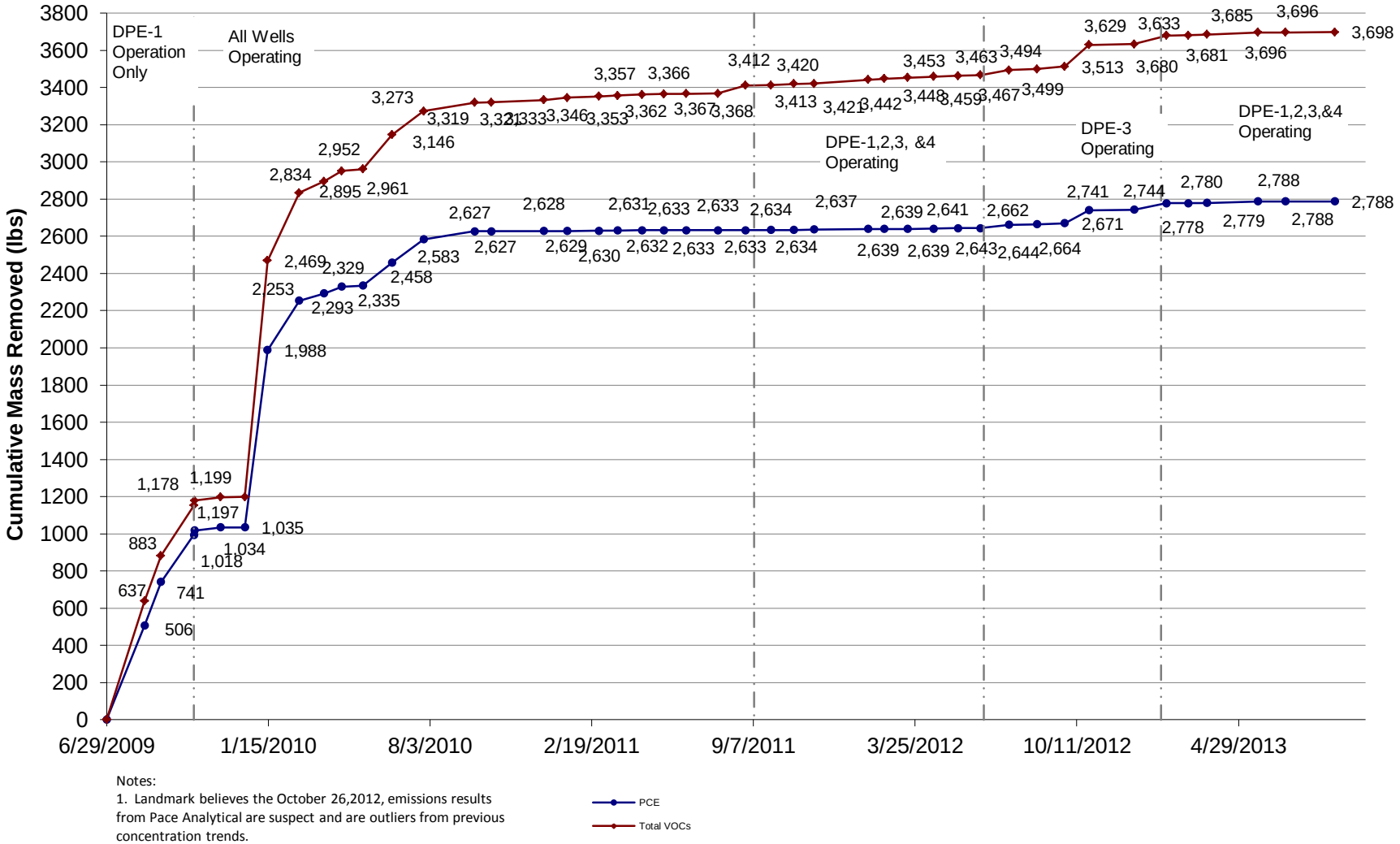
DPE EMISSIONS CONCENTRATIONS - JULY 2010 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota



Notes:
1. Landmark believes the October 26,2012, emissions results from Pace Analytical are suspect and are outliers from previous

FIGURE 5

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



Notes:
1. Landmark believes the October 26,2012, emissions results from Pace Analytical are suspect and are outliers from previous concentration trends.

FIGURE 6

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

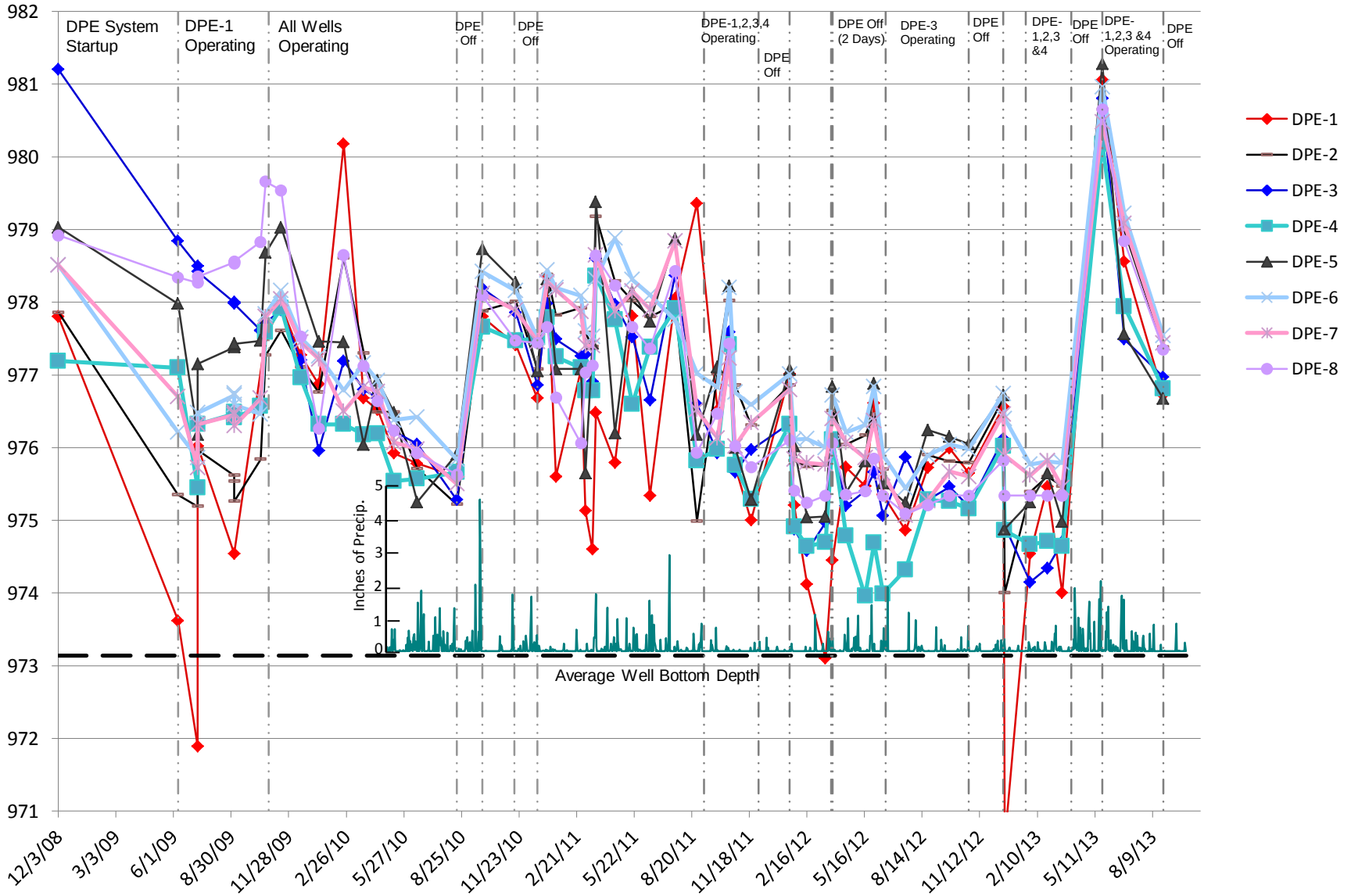
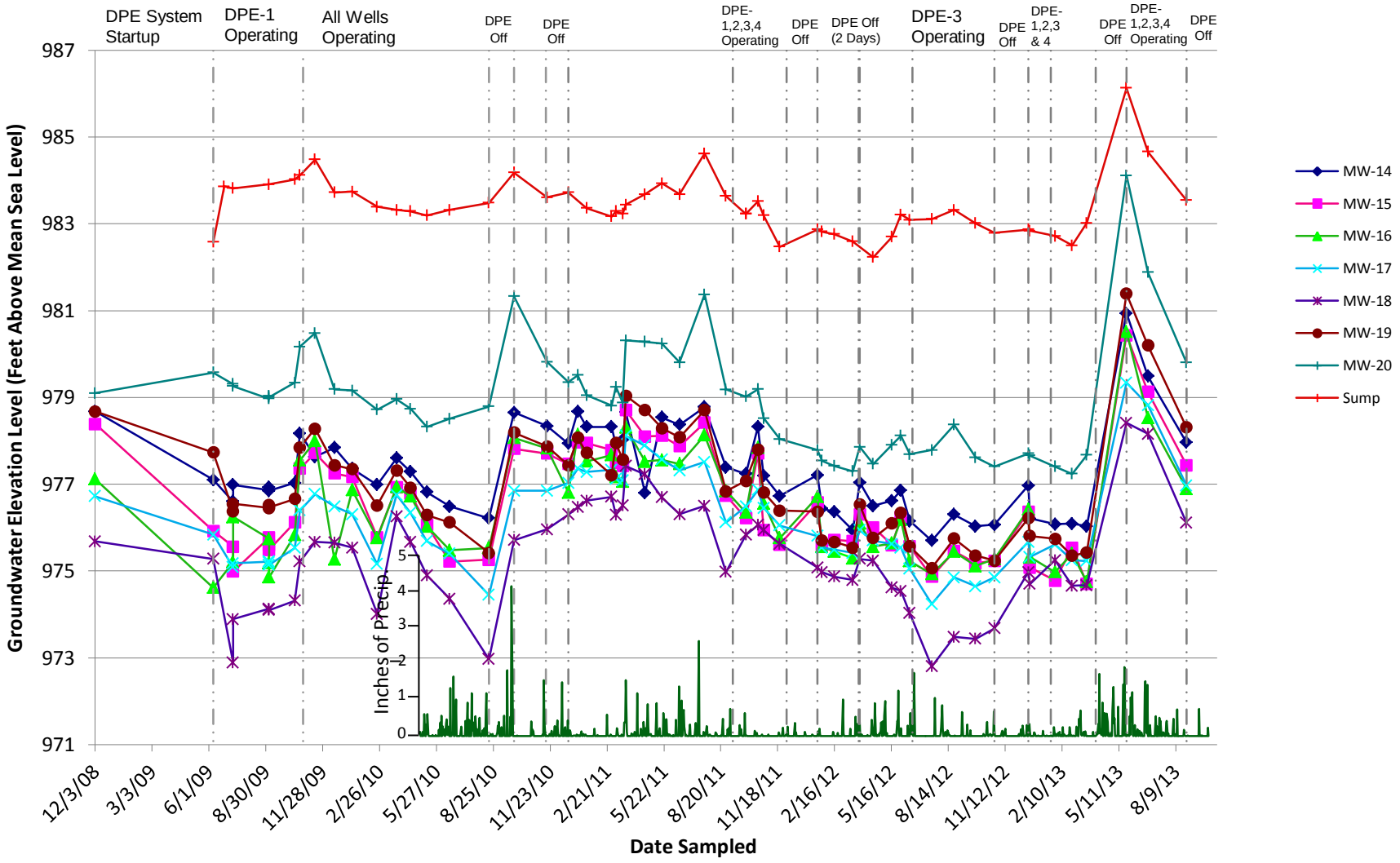


FIGURE 7

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



(977.44)
MW-15

MW-14
(977.96)

DPE-6
(977.54)

DPE-7
(977.44)

MW-17

MW-18

977

977

DPE-1/(B-7)
(976.72)

MW-16
(976.90)

DPE-2
(977.38)

DPE-5
(976.67)

978

977

(976.97)
DPE-3

DPE-4
(976.81)

977

978

978

978

(977.35)
DPE-8

978

978

979

MW-19
(978.31)

MW-20
(979.80)

LEGEND

⊙ DPE Well Location

⊕ Monitoring Well Locatior

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

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 5543

FIGURE 8A
GROUNDWATER FLOW INTERPRETATION-
August 26, 2013
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAE	Checked: JDS	Designed: JDS	
Scale: .	Date: 10/24/2013	Revision:	
Drawing Number: .	Sheet . Of .	Sheets .	

FIGURE 9A

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

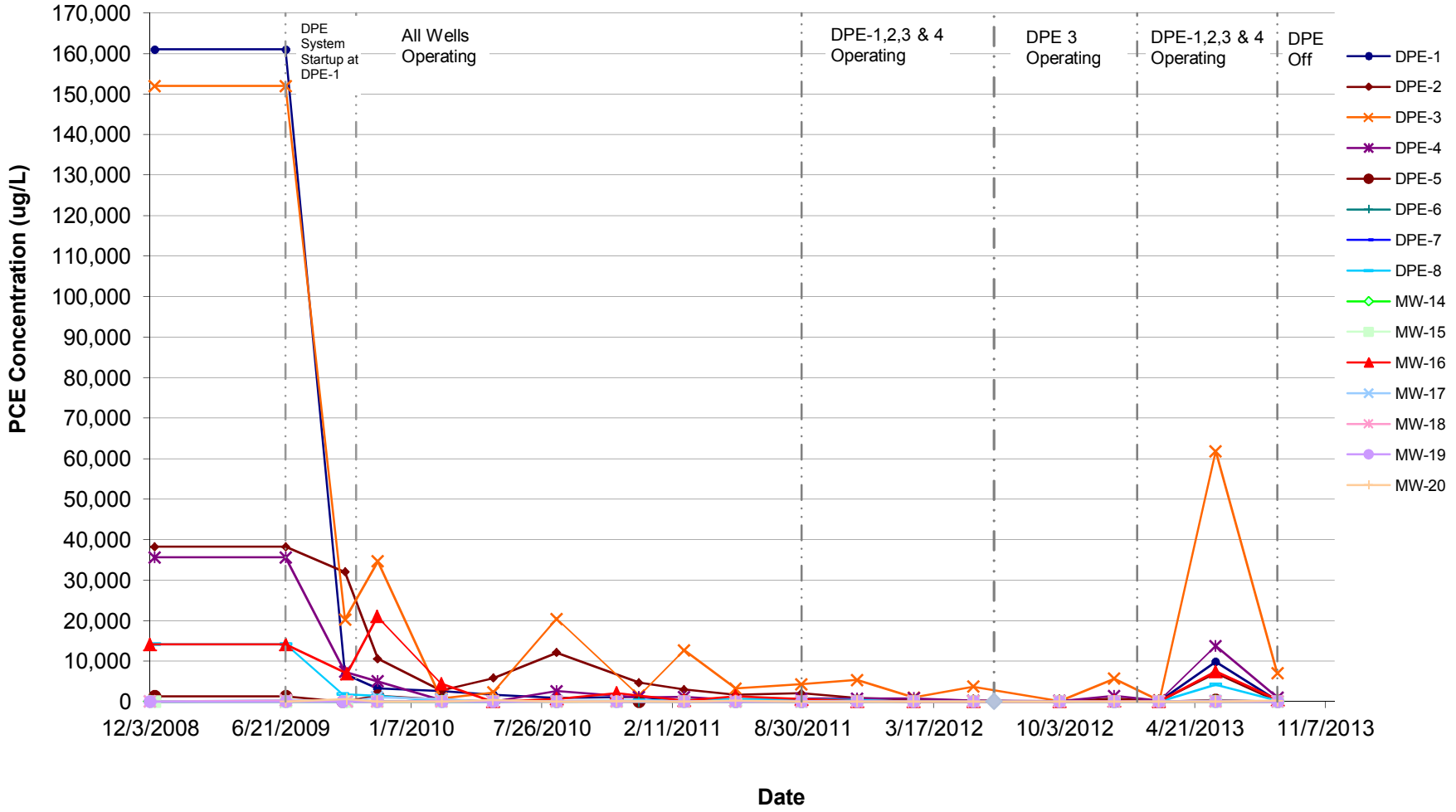
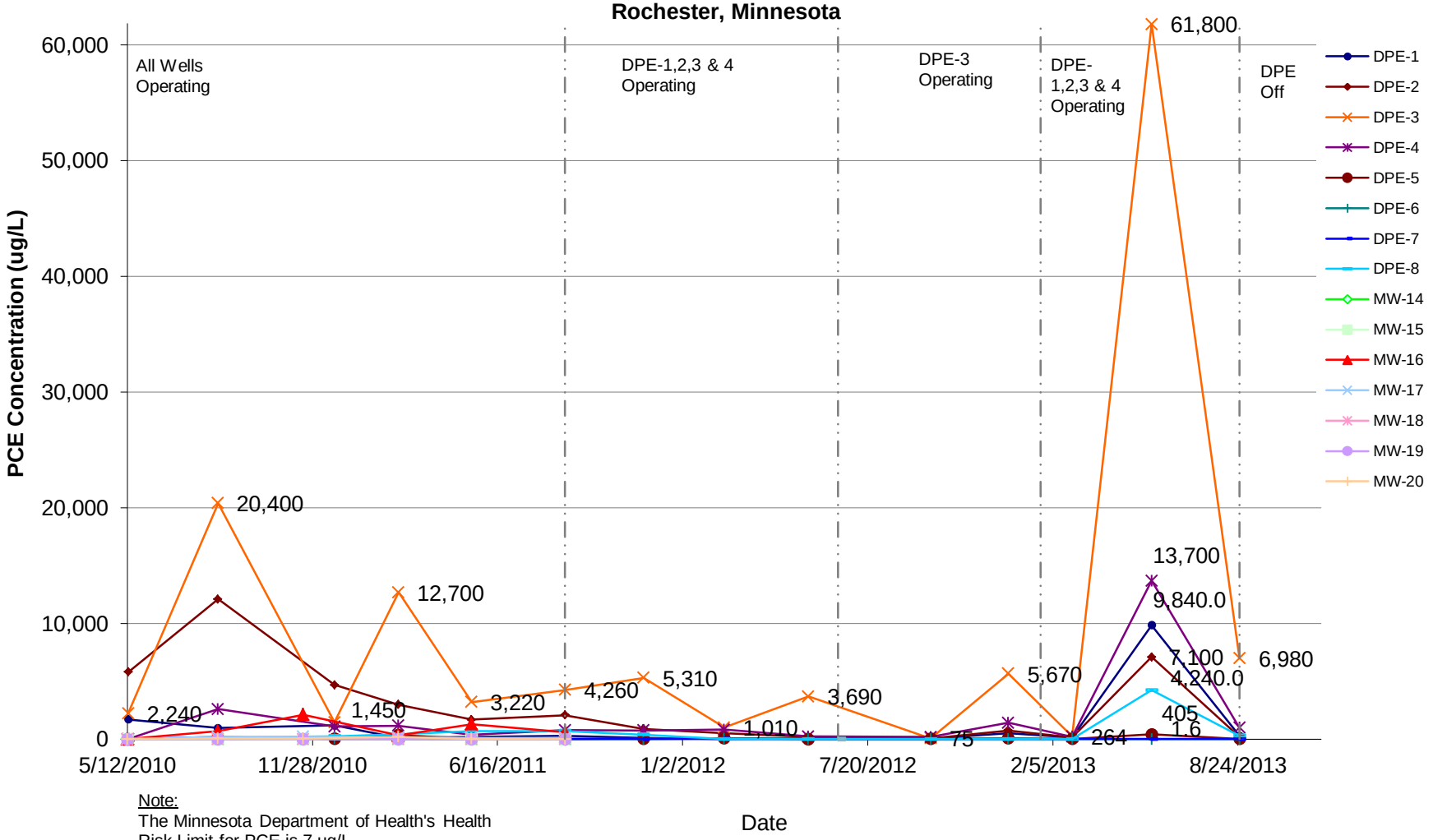
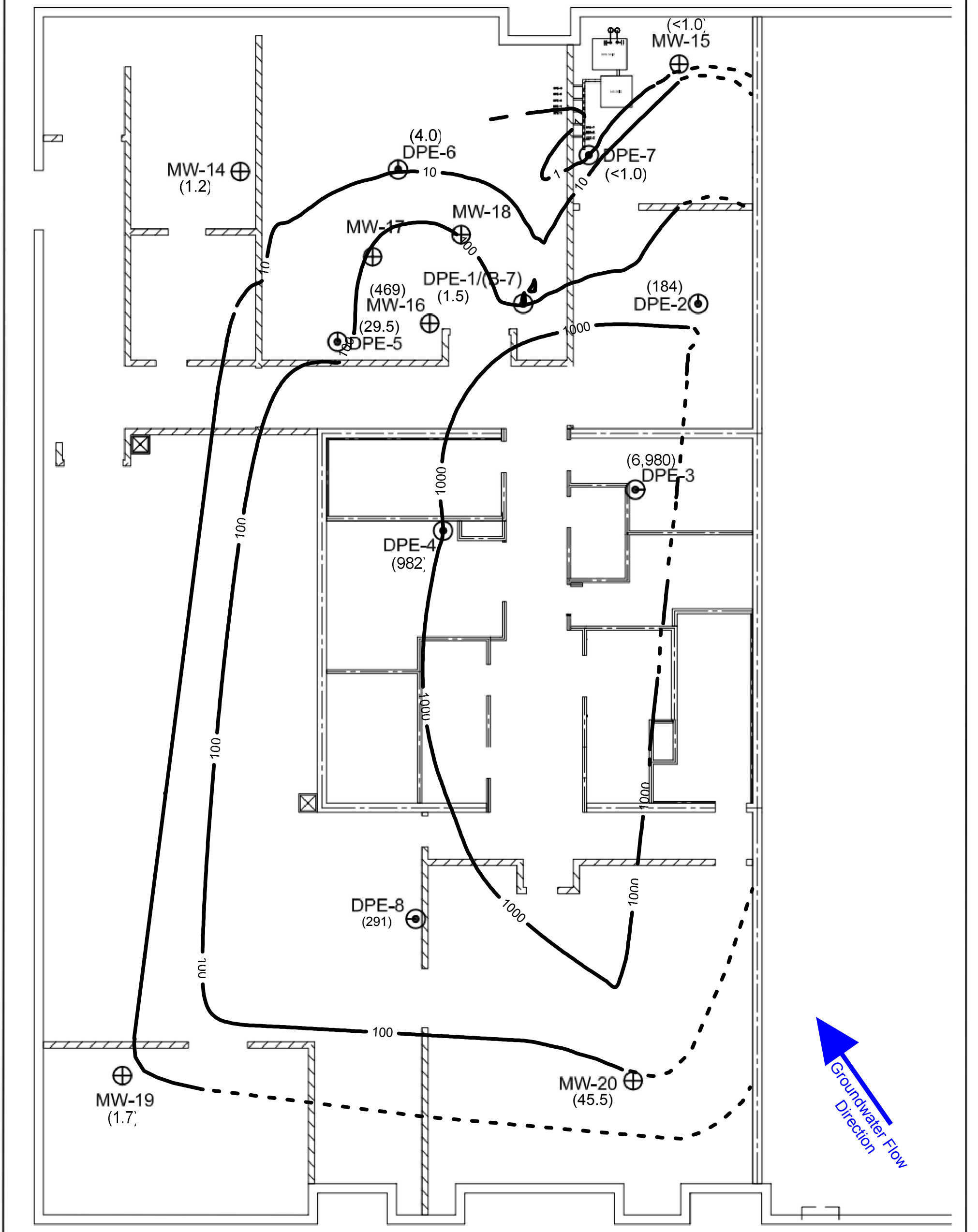


FIGURE 9B

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



Note:
The Minnesota Department of Health's Health Risk Limit for PCE is 7 ug/L.



LEGEND

⊙ DPE Well Locatior

⊕ Monitoring Well Locatior

(4.2) PCE Groundwater Concentration (micrograms per liter)

LEGEND

1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not 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 5543

FIGURE 10
SHALLOW PCE GROUNDWATER CONCENTRATION INTERPRETATION
August 26, 2013
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAE	Checked: JDS	Designed: JDS	
Scale: .	Date: 10/25/2013	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.
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.

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-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.
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.

TABLE 1

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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.
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.

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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.
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.

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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).
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.

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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.
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.

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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.
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.

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Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
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.
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.

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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..
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.

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20-Jan-12	8:00	NA	NA	Off/On	Landmark and JHF onsite to reinstall the DPE pump and restart the DPE system.
27-Jan-12	9:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**.
16-Feb-12	9:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Landmark also changed oil at 17,520 hours.
16-Mar-12	11:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 18,219 hours.
25-Mar-12	19:58	Y	Air Stripper High High Level	On/Off	
27-Mar-12	7:00	Y	Air Stripper High High Level	Off/On	Landmark onsite to clean the air stripper floats. System restarted.
17-Apr-12	10:25	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 18,964 hours.
17-May-12	10:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Solenoid for DPE-3 faulty and taken off-line. Landmark also changed oil at 19,660 hours.
31-May-12	10:59	NA	NA	On	Landmark onsite and replaced solenoid bonnet for DPE-2 and DPE-3, and inner seal on DPE-1. Landmark also changed oil at 19,950 hours.
14-Jun-12	10:17	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Landmark also changed oil at 20,279 hours.
18-Jun-12	14:18	NA	NA	On	**Landmark changed the DPE operational configuration from operating at DPE-1, DPE-2, DPE-3, and DPE-4 to operation of only DPE-3.**
19-Jul-12	11:11	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Conducted troubleshooting of MS#1 and MS#2 pressure drop. Replaced DPE#3 solenoid components. Landmark also changed oil at 21,119 hours.
25-Jul-12	NA	NA	NA	On	Landmark onsite to replace filters for MS#1 and MS#2; replace transfer pump stator; and clean flow meter.
23-Aug-12	7:30	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event**. Conducted troubleshooting of MS#1 and MS#2 pressure drop. Landmark also changed oil at 21,872 hours.
26-Sep-12	20:12	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event as well as quarterly groundwater sampling event**. Pressure drop issue determined to be clogged demister pad from MS#2. Landmark also changed oil at 22,695 hours.
26-Oct-12	6:00	NA	NA	On/Off	Landmark onsite to conduct **monthly monitoring and sampling event. Landmark turned DPE system off to conduct rebound test.** DPE-3 solenoid valve rebuilt.
31-Oct-12	NA	NA	NA	Off	Landmark onsite to troubleshoot transfer pump.
19-Dec-12	NA	NA	NA	Off	Landmark onsite to conduct **quarterly groundwater sampling event and soil gas sampling event**.
21-Dec-12	NA	NA	NA	Off/On	Landmark onsite to **restart the DPE system for rebound emissions sampling and conduct monthly monitoring and sampling event.** Landmark also changed oil at 23,442 hours.

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4-Jan-13	9:40	NA	NA	On	Landmark onsite to replace transfer pump stator, clean air stripper, and rebuild DPE-3 solenoid. Landmark also changed oil at 23,655 hours.
9-Jan-13	9:40	NA	NA	On	Landmark onsite to replace transfer pump coupling and key.
18-Jan-13	8:00	NA	NA	On	Landmark onsite to repair transfer pump.
23-Jan-13	13:40	NA	NA	On	**DPE system switched from DPE-3 operation to operating on DPE-1, DPE-2, DPE-3, to DPE-4.**
30-Jan-13	6:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event.**
5-Feb-13	7:26	Y	MS High Level	On/Off/On	Restarted system remotely.
8-Feb-13	13:45	Y	MS High Level	On/Off	
12-Feb-13	NA	NA	NA	Off/On	Landmark onsite to replace transfer pump.
26-Feb-13	NA	NA	NA	On	Landmark onsite to conduct **quarterly groundwater sampling event and monthly DPE system monitoring and sampling event**.
21-Mar-13	8:00	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event.**
4-Apr-13	NA	NA	NA	On/Off	**DPE system shut down for rebound test.**
23-May-13	16:00	NA	NA	Off/On	Landmark onsite to **restart DPE system and conduct monthly monitoring and sampling event and quarterly groundwater sampling event. Rebuilt solenoids 2 and 4.**
26-Jun-13	10:40	NA	NA	On	Landmark onsite to conduct **monthly monitoring and sampling event.**
26-Aug-13	17:30	NA	NA	On	Landmark onsite to conduct **quarterly groundwater sampling event and monthly DPE system monitoring and sampling event**. **DPE system shut down**.

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

Monitoring Period		DPE Well(s) Operating	DPE Pump Hours	Hours Per Period	Total Flow Rate (scfm)	Total VOCs			PCE		
Start Date	End Date					Concentration (ug/m^3)	Pounds Per Period	Cumulative pounds	Concentration (ug/m^3)	Pounds Per Period	Cumulative Pounds
3/16/2012	4/17/2012	DPE-1, 2, 3, & 4	18964	745	29.2	71,800	5.86	3,459.18	20,600	1.68	2641.09
4/17/2012	5/17/2012	DPE-1, 2, 3, & 4	19660	696	32.3	50,874	4.29	3,463.47	25,200	2.12	2643.22
5/17/2012	6/14/2012	DPE-1, 2, 3, & 4	20279	619	38.5	41,142	3.68	3,467.15	11,200	1.00	2644.22
6/14/2012	7/19/2012	DPE-3	21119	840	49.2	173,300	26.85	3,493.99	113,000	17.51	2661.72
7/19/2012	8/23/2012	DPE-3	21872	753	33.3	54,700	5.14	3,499.13	27,800	2.61	2664.34
8/23/2012	9/26/2012	DPE-3	22695	823	45.9	100,659	14.25	3,513.39	45,800	6.49	2670.82
9/26/2012	10/26/2012[9]	DPE-3	23397	702	40.1	1,099,548	116.03	3,629.42	664,000	70.07	2740.89
10/26/2012	12/21/2012	DPE-3	23442	45	48.1	447,600	3.63	3,633.05	358,000	2.90	2743.80
12/21/2012	1/30/2013	DPE-1, 2, 3, & 4	24138	696	38.1	475,000	47.22	3,680.26	348,000	34.59	2778.39
1/30/2013	2/26/2013	DPE-1, 2, 3, & 4	24625	487	44.1	9,017	0.73	3,680.99	1,600	0.13	2778.52
2/26/2013	3/21/2013	DPE-1, 2, 3, & 4	25176	551	39.1	51,872	4.19	3,685.18	17,500	1.41	2779.93
3/21/2013	5/23/2013	DPE-1, 2, 3, & 4	25691	515	100.0	56,690	10.94	3,696.12	43,200	8.34	2788.27
5/23/2013	6/26/2013	DPE-1, 2, 3, & 4	26501	810	92.5	215	0.06	3,696.18	102	0.03	2788.30
6/26/2013	8/26/2013	DPE-1, 2, 3, & 4	27889	1388	80.6	3,154	1.32	3,697.51	122	0.05	2788.35

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.
9: Landmark believes the October 26, 2012, emissions results from Pace Analytical are suspect and are outliers from previous concentration trends.

TABLE 3

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

Sample ID	DPE-EXHAUST 2104	DPE-EXHAUST 1068	DPE-EXHAUST 0961	DPE-EXHAUST 0836	DPE-EXHAUST 1051	DPE-EXHAUST 0531
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	8/26/2013	6/26/2013	5/23/2013	3/21/2013	2/25/2013	1/30/2013
1,1,1-Trichloroethane	**4.3**	<3.0	<47.1	<107	<52.1	<6400
1,1,2,2-Tetrachloroethane	<1.5	<1.9	<29.6	<67.0	<32.7	<4020
1,1,2-Trichloroethane	<1.2	<1.5	<23.3	<52.8	<25.8	<3170
1,1,2-Trichlorotrifluoroethane	**2820**	**98.2**	**13100**	**33300**	**7040**	**127000**
1,1-Dichloroethane	<1.7	<2.2	<34.8	<78.8	<38.5	<4730
1,1-Dichloroethene	<1.7	<2.2	<34.3	<77.8	<38.0	<4670
1,2,4-Trichlorobenzene	<3.2	<4.1	<64.0	<145	<70.8	<8700
1,2,4-Trimethylbenzene	<2.1	<2.7	<42.4	<96.0	<46.9	<5760
1,2-Dibromoethane (EDB)	<3.3	<4.2	<66.1	<150	<73.2	<8990
1,2-Dichlorobenzene	<2.6	<3.3	<51.7	<117	<57.2	<7030
1,2-Dichloroethane	<0.87	<1.1	<17.4	<39.4	<19.2	<2360
1,2-Dichloropropane	<2.0	<2.5	<39.9	<90.3	<44.1	<5420
1,3,5-Trimethylbenzene	<2.1	<2.7	<42.4	<96.0	<46.9	<5760
1,3-Butadiene	<0.95	<1.2	<19.1	<43.2	<21.1	<2590
1,3-Dichlorobenzene	<2.6	<3.3	<51.7	<117	<57.2	<7030
1,4-Dichlorobenzene	<2.6	<3.3	<51.7	<117	<57.2	<7030
2-Butanone (MEK)	**14.2**	<1.6	<25.4	<57.6	<28.1	<3460
2-Hexanone	<1.8	<2.2	<35.2	<79.7	<38.9	<4780
2-Propanol	<1.1	**1.6**	**38.6**	**126**	<23.4	<2880
4-Ethyltoluene	<2.1	<2.7	<42.4	<96.0	<46.9	<5760
4-Methyl-2-pentanone (MIBK)	<1.8	<2.2	<35.2	<79.7	<38.9	<4780
Acetone	**56.6**	**2.2**	**53.1**	**71.2**	**48.0**	<2770
Benzene	<0.69	<0.87	<13.8	<31.2	**18.0**	<1870
Benzyl chloride	<2.2	<2.8	<44.5	<101	<49.2	<6050
Bromodichloromethane	<2.9	<3.7	<57.7	<131	<63.8	<7840
Bromoform	<4.5	<5.6	<89.0	<202	<98.5	<12100
Bromomethane	<1.7	<2.1	<33.5	<75.9	<37.1	<4550
Carbon disulfide	<1.3	<1.7	<26.7	<60.5	<29.5	<3630
Carbon tetrachloride	<1.4	<1.7	<27.1	<61.5	<30.0	<3690
Chlorobenzene	<2.0	<2.5	<39.9	<90.3	<44.1	<5420
Chloroethane	<1.1	<1.5	<22.9	<51.9	<25.3	<3110
Chloroform	**2.5**	<2.7	<42.0	<95.1	<46.4	<5710
Chloromethane	**1.8**	<1.1	<17.8	<40.3	<19.7	<2420
cis-1,2-Dichloroethene	**7.5**	<2.2	**93.9**	**84.4**	<38.0	<4670
cis-1,3-Dichloropropene	<2.0	<2.5	<39.0	<88.4	<43.1	<5300
Cyclohexane	<1.5	<1.9	<29.7	<67.2	**104**	<4030
Dibromochloromethane	<3.7	<4.7	<73.4	<166	<81.1	<9970
Dichlorodifluoromethane	**4.2**	<2.7	<42.8	<97.0	<47.4	<5820
Dichlorotetrafluoroethane	<3.0	<3.8	<60.2	<136	<66.6	<8180
Ethanol	**98.1**	**11.1**	**123**	**507**	**105**	<2190
Ethyl acetate	<1.5	<2.0	<31.0	<70.1	<34.2	<4210
Ethylbenzene	<1.9	<2.4	<37.3	<84.5	<41.3	<5070
Hexachloro-1,3-butadiene	<4.7	<5.9	<93.3	<211	<103	<12700
m&p-Xylene	<3.7	<4.7	<74.6	<169	<82.5	<10100
Methylene Chloride	**5.3**	<1.9	<30.1	**80**	**45.6**	<4090
Methyl-tert-butyl ether	<1.5	<2.0	<31.0	<70.1	<34.2	<4210
Naphthalene	<2.3	<2.9	<45.4	<103	<50.2	<6170
n-Heptane	<1.8	<2.2	<35.2	<79.7	<38.9	<4780
n-Hexane	**6.7**	<1.9	<30.5	**89.2**	**56.2**	<4150
o-Xylene	<1.9	<2.4	<37.3	<84.5	<41.3	<5070
Propylene	<0.74	<0.94	<14.8	<33.6	<16.4	<2020
Styrene	<1.8	<2.3	<36.9	<83.6	<40.8	<5010
Tetrachloroethene	**122**	**102**	**43200**	**17500**	**1600**	**348000**
Tetrahydrofuran	**2.9**	<1.6	<25.4	<57.6	<28.1	<3460
Toluene	**5.7**	<2.1	**37.4**	**114**	**54.7**	<4440
trans-1,2-Dichloroethene	<1.7	<2.2	<34.3	<77.8	<38.0	<4670
trans-1,3-Dichloropropene	<2.0	<2.5	<39.0	<88.4	<43.1	<5300
Trichloroethene	**1.7**	<1.5	**43.7**	<52.8	<25.8	<3170
Trichlorofluoromethane	<2.4	<3.1	<48.3	<109	<53.5	<6570
Vinyl acetate	<1.5	<1.9	<30.4	<68.8	<33.6	<4130
Vinyl chloride	<0.55	<0.70	<11.0	<25.0	<12.2	<1500
TOTAL VOCs	**3,154**	**215**	**56,690**	**51,872**	**9,017**	**475,000**

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

TABLE 3

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

Sample ID	DPE-EXHAUST 0757	DPE-EXHAUST 1264	DPE-EXHAUST 0795	DPE-EXHAUST 2048	DPE-EXHAUST 1660	DPE-EXHAUST 0558
Wells Operating	DPE3	DPE3	DPE3	DPE-3	DPE-3	DPE-1,2,3 & 4
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	12/21/2012	10/26/2012	9/26/2012	8/23/2012	7/19/2012	6/14/2012
1,1,1-Trichloroethane	<1380	<383	<298	<478	<1100	<341
1,1,2,2-Tetrachloroethane	<867	<241	<188	<300	<692	<214
1,1,2-Trichloroethane	<683	<190	<148	<237	<546	<169
1,1,2-Trichlorotrifluoroethane	**89600**	**433000**	**34800**	**26900**	**60300**	**29200**
1,1-Dichloroethane	<1020	<283	<220	<353	<813	<252
1,1-Dichloroethene	<1010	<280	<218	<349	<804	<249
1,2,4-Trichlorobenzene	<1870	<521	<406	<650	<1500	<304
1,2,4-Trimethylbenzene	<1240	<345	<269	<430	<991	<307
1,2-Dibromoethane (EDB)	<1940	<538	<419	<671	<1550	<479
1,2-Dichlorobenzene	<1510	<421	<328	<525	<1210	<375
1,2-Dichloroethane	<509	<142	<110	<176	<407	<126
1,2-Dichloropropane	<1170	<324	<253	<405	<932	<289
1,3,5-Trimethylbenzene	<1240	<345	<269	<430	<991	<307
1,3-Butadiene	<559	<155	<121	<194	<446	<138
1,3-Dichlorobenzene	<1510	<421	<328	<525	<1210	<375
1,4-Dichlorobenzene	<1510	<421	<328	<525	<1210	<375
2-Butanone (MEK)	<745	<207	<161	<258	<595	<184
2-Hexanone	<1030	<286	<223	<357	<823	<255
2-Propanol	<621	**218**	<134	<215	<496	<768
4-Ethyltoluene	<1240	<345	<269	<430	<992	<307
4-Methyl-2-pentanone (MIBK)	<1030	<286	<223	<357	<823	<255
Acetone	<596	<166	**169**	<207	<476	<147
Benzene	<404	<112	<87.4	<140	<322	<99.8
Benzyl chloride	<1300	<362	<282	<452	<1040	<323
Bromodichloromethane	<1690	<469	<366	<585	<1350	<418
Bromoform	<2610	<725	<564	<904	<2080	<645
Bromomethane	<981	<273	<212	<340	<784	<243
Carbon disulfide	<782	<217	<169	<271	<625	<194
Carbon tetrachloride	<795	<221	<172	<275	<635	<197
Chlorobenzene	<1170	<324	<253	<405	<932	<289
Chloroethane	<670	<186	<145	<232	<536	<166
Chloroform	<1230	<342	<266	<426	<982	<304
Chloromethane	<521	<145	<113	<181	<417	<129
cis-1,2-Dichloroethene	<1010	**370**	<218	<349	<804	<249
cis-1,3-Dichloropropene	<1140	<318	<247	<396	<913	<283
Cyclohexane	<869	<242	<188	<301	<694	<209
Dibromochloromethane	<2150	<597	<465	<745	<1720	<531
Dichlorodifluoromethane	<1250	<349	<271	<435	<1000	<310
Dichlorotetrafluoroethane	<1760	<490	<382	<611	<1410	<436
Ethanol	<472	**1960**	**18700**	<164	<377	**742**
Ethyl acetate	<906	<252	**1190**	<314	<724	<224
Ethylbenzene	<1090	<304	<237	<379	<873	<270
Hexachloro-1,3-butadiene	<2730	<759	<591	<947	<2180	<676
m&p-Xylene	<2190	<608	<473	<758	<1750	<541
Methylene Chloride	<882	<245	<191	<306	<704	<218
Methyl-tert-butyl ether	<906	<252	<196	<314	<724	<224
Naphthalene	<1330	<369	<288	<461	<1060	<329
n-Heptane	<1030	<286	<223	<357	<823	<255
n-Hexane	<894	<249	<194	<310	<714	<221
o-Xylene	<1090	<304	<237	<379	<873	<270
Propylene	<435	<121	<94.1	<151	<347	<108
Styrene	<1080	<300	<234	<374	<863	<267
Tetrachloroethene	**358000**	**664000**	**45800**	**27800**	**113000**	**11200**
Tetrahydrofuran	<745	<207	<161	<258	<595	<184
Toluene	<956	<266	<207	<331	<764	<237
trans-1,2-Dichloroethene	<1010	<280	<218	<349	<804	<249
trans-1,3-Dichloropropene	<1140	<318	<247	<396	<913	<283
Trichloroethene	<683	<190	<148	<237	<546	<169
Trichlorofluoromethane	<1420	<394	<306	<491	<1130	<350
Vinyl acetate	<889	<247	<192	<308	<710	<218
Vinyl chloride	<323	<89.7	<69.9	<112	<258	<79.9
TOTAL VOCs	**447,600**	**1,099,548**	**100,659**	**54,700**	**173,300**	**41,142**

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

TABLE 3

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

Sample ID	DPE-EXHAUST 0361	DPE-EXHAUST 1071	DPE-EXHAUST 1637	DPE-EXHAUST 1289	DPE-EXHAUST 1250
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4	DPE-1,2,3 & 4
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	5/17/2012	4/17/2012	3/16/2012	2/16/2012	1/27/2012
1,1,1-Trichloroethane	**13.1**	<357	<682	<567	**51**
1,1,2,2-Tetrachloroethane	<1.2	<224	<429	<360	<1.3
1,1,2-Trichloroethane	<0.92	<177	<338	<283	<1.1
1,1,2-Trichlorotrifluoroethane	**25500**	**51200**	**58500**	**60400**	**56,100**
1,1-Dichloroethane	<1.4	<264	<504	<422	<1.6
1,1-Dichloroethene	<1.4	<260	<498	<417	<1.6
1,2,4-Trichlorobenzene	<1.7	<318	<608	<510	<1.9
1,2,4-Trimethylbenzene	**2.2**	<321	<614	<515	**5.6**
1,2-Dibromoethane (EDB)	<2.6	<502	<958	<824	<3.1
1,2-Dichlorobenzene	<2.0	<392	<750	<618	<2.3
1,2-Dichloroethane	<0.69	<132	<252	<211	<0.79
1,2-Dichloropropane	<1.6	<302	<578	<484	<1.8
1,3,5-Trimethylbenzene	<1.7	<321	<614	<515	<1.9
1,3-Butadiene	<0.76	<145	<276	<232	<0.86
1,3-Dichlorobenzene	<2.0	<392	<750	<618	<2.3
1,4-Dichlorobenzene	<2.0	<392	<750	<618	**5.4**
2-Butanone (MEK)	<1.0	<193	<369	<309	**5.2**
2-Hexanone	<1.4	<267	<510	<428	<1.6
2-Propanol	<4.2	<804	<1540	<1290	**17.5**
4-Ethyltoluene	<1.7	<322	<614	<1290	<4.8
4-Methyl-2-pentanone (MIBK)	<1.4	<267	<510	<428	<1.6
Acetone	**16.6**	<154	<295	<247	**43.6**
Benzene	<0.55	<105	<200	<167	**1.4**
Benzyl chloride	<1.8	<338	<645	<541	<2.0
Bromodichloromethane	<2.3	<437	<836	<721	<2.7
Bromoform	<3.5	<675	<1290	<1080	<4.0
Bromomethane	<1.3	<254	<485	<407	<1.5
Carbon disulfide	<1.1	<203	<387	<325	<1.2
Carbon tetrachloride	<1.1	<206	<393	<330	<1.2
Chlorobenzene	<1.6	<302	<578	<484	<1.8
Chloroethane	<0.91	<174	<332	<278	<1.0
Chloroform	<1.7	<318	<608	<510	**10.3**
Chloromethane	<0.71	<135	<258	<216	<0.81
cis-1,2-Dichloroethene	**34.8**	<260	<498	<417	**80**
cis-1,3-Dichloropropene	<1.5	<296	<565	<474	<1.8
Cyclohexane	<1.1	<219	<418	<350	<1.3
Dibromochloromethane	<2.9	<556	<1060	<876	<3.3
Dichlorodifluoromethane	**1.8**	<325	<621	<515	<1.9
Dichlorotetrafluoroethane	<2.4	<457	<872	<721	<2.7
Ethanol	**51.8**	<122	**894**	<979	**249**
Ethyl acetate	**37.6**	<235	<449	<376	<1.4
Ethylbenzene	<1.5	<283	<541	<453	**3.1**
Hexachloro-1,3-butadiene	<3.7	<708	<1350	<1130	<4.2
m&p-Xylene	<3.0	<566	<1080	<907	**3.9**
Methylene Chloride	<1.2	<228	<436	**1390**	<1.4
Methyl-tert-butyl ether	<1.2	<235	<449	<376	<1.4
Naphthalene	**1.8**	<344	<657	<1390	<5.2
n-Heptane	<1.4	<267	<510	<428	**2.9**
n-Hexane	**1.6**	<232	<442	**585**	**6.9**
o-Xylene	<1.5	<283	<541	<453	**2.3**
Propylene	<0.59	<113	<215	<180	<0.67
Styrene	<1.5	<280	<535	<448	<1.7
Tetrachloroethene	**25200**	**20600**	<423	**4440**	**29100**
Tetrahydrofuran	<1.0	<193	<369	<309	<1.2
Toluene	**3.1**	<248	<473	<397	**7.5**
trans-1,2-Dichloroethene	<1.4	<260	<498	<417	<1.6
trans-1,3-Dichloropropene	<1.5	<296	<565	<474	<1.8
Trichloroethene	**9.6**	<177	<338	<283	**36.9**
Trichlorofluoromethane	<1.9	<367	<700	<567	<2.1
Vinyl acetate	<1.2	<228	<436	<366	<1.4
Vinyl chloride	<0.44	<83.6	<160	<134	<0.50
TOTAL VOCs	**50,874**	**71,800**	**59,394**	**85,733**	**268,469**

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

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	**11,328**	**106,710**	**8,324**	**8,866**	**8,991**

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NA: Not analyzed
1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
2. Landmark
believes the October

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	**25,270**	**29,665**	**56,955**	**21,690**	**61,844**

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NA: Not analyzed
1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
2. Landmark
believes the October

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	**46,334**	**19,686**	**548**	**493,213**	**1,032,070**

Bold: Parameter detected above the reporting limit.
NA: Not analyzed
1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
2. Landmark believes
the October 26, 2012

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	**50,553**	**438,730**	**331,284**	**2,364,821**	**11,403,200**

Bold: Parameter detected above the reporting limit.
NA: Not analyzed
1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
2. Landmark believes
the October 26, 2012

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	DPE - EFFLUENT 0680
Wells Operating	All DPE Wells	All DPE Wells	All DPE Wells	All DPE Wells	DPE-1	DPE-1
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	Grab	Grab
Collected Date	1/14/2010	12/17/2009	11/17/2009	10/16/2009	10/15/2009	9/4/2009
1,1,1-Trichloroethane	ND	**23.9**	ND	**81.7**	**4.2**	**127**
1,1,2,2-Tetrachloroethane	ND	ND	ND	<2.2	<2.1	<2.1
1,1,2-Trichloroethane	ND	ND	ND	<1.7	<1.6	<1.6
1,1,2-Trichlorotrifluoroethane	**2,720,000**	**4,440**	**72,100**	**172**	**97,900**	**153,000**
1,1-Dichloroethane	ND	ND	ND	<1.3	<1.2	<1.2
1,1-Dichloroethene	ND	ND	ND	**13.9**	<1.2	15.0
1,2,4-Trichlorobenzene	ND	ND	ND	<1.5	<1.5	<1.5
1,2,4-Trimethylbenzene	ND	ND	ND	<3.8	<3.7	**10.2**
1,2-Dibromoethane (EDB)	ND	ND	ND	<2.5	<2.4	<2.4
1,2-Dichlorobenzene	ND	ND	ND	<1.8	<1.8	<1.8
1,2-Dichloroethane	ND	ND	ND	<1.3	<1.2	<1.2
1,2-Dichloropropane	ND	ND	ND	<1.4	<1.4	<1.4
1,3,5-Trimethylbenzene	ND	ND	ND	<3.8	<3.7	**5.0**
1,3-Butadiene	ND	ND	ND	<0.69	<0.67	<0.67
1,3-Dichlorobenzene	ND	ND	ND	<1.8	<1.8	**6.0**
1,4-Dichlorobenzene	ND	ND	ND	<1.8	<1.8	**8.6**
2-Butanone (MEK)	ND	ND	ND	**12.2**	<0.89	**15.8**
2-Hexanone	ND	ND	ND	<1.3	<1.2	<1.2
2-Propanol	NA	NA	NA	**4.9**	<3.7	<3.7
4-Ethyltoluene	ND	ND	ND	<3.8	<3.7	**6.0**
4-Methyl-2-pentanone (MIBK)	ND	ND	ND	<1.3	<1.2	<1.2
Acetone	**76,800**	**126**	**116**	**37,000**	**501**	**7,510**
Benzene	ND	**16.2**	ND	**1.1**	**1.5**	**2.3**
Benzyl chloride	NA	NA	NA	NA	NA	NA
Bromodichloromethane	ND	ND	ND	<2.2	<2.1	<2.1
Bromoform	ND	ND	ND	<3.2	<3.1	<3.1
Bromomethane	ND	ND	ND	<1.2	<1.2	<1.2
Carbon disulfide	ND	ND	ND	<0.97	<0.93	**5.9**
Carbon tetrachloride	ND	ND	ND	<2.0	<1.9	<1.9
Chlorobenzene	ND	ND	ND	<1.4	<1.4	<1.4
Chloroethane	ND	ND	ND	<0.83	<0.80	<0.80
Chloroform	ND	ND	ND	**25.8**	<1.5	**21.5**
Chloromethane	ND	ND	ND	<0.65	<0.62	<0.62
cis-1,2-Dichloroethene	ND	**47.2**	**118**	**257**	**21.5**	**2,620**
cis-1,3-Dichloropropene	ND	ND	ND	<1.4	<1.4	<1.4
Cyclohexane	ND	**766**	ND	<1.0	<1.0	**3.5**
Dibromochloromethane	ND	ND	ND	<2.6	<2.5	<2.5
Dichlorodifluoromethane	ND	ND	ND	<1.5	**2.8**	<1.5
Dichlorotetrafluoroethane	ND	ND	ND	<2.2	<2.1	<2.1
Ethanol	NA	NA	NA	**8.9**	**8.4**	**5.7**
Ethyl acetate	ND	ND	ND	<1.1	<1.1	<1.1
Ethylbenzene	ND	ND	ND	**7.9**	<1.3	<1.3
Hexachloro-1,3-butadiene	ND	ND	ND	<3.4	<3.3	<3.3
m&p-Xylene	ND	ND	ND	**25.0**	**2.6**	**14.2**
Methylene Chloride	ND	**270**	ND	<1.1	**276**	<1.1
Methyl-tert-butyl ether	ND	ND	ND	<1.1	<1.1	<1.1
Naphthalene	NA	NA	NA	**5.6**	<4.0	**4.2**
n-Heptane	ND	ND	ND	<1.3	<1.2	**2.6**
n-Hexane	ND	ND	ND	**2.1**	**35.4**	**3.4**
o-Xylene	ND	ND	ND	**7.5**	<1.3	**4.8**
Propylene	ND	ND	ND	<0.54	<0.52	<0.52
Styrene	ND	ND	ND	<1.3	<1.3	<1.3
Tetrachloroethene	**8,550,000**	**6,790**	**381,000**	**571,000**	**396,000**	**3,630,000**
Tetrahydrofuran	**56,400**	ND	**145**	**36.2**	<0.89	**31.1**
Toluene	ND	**9.58**	ND	**17.6**	**10.3**	**14.4**
trans-1,2-Dichloroethene	ND	ND	ND	<1.2	<1.2	**4.2**
trans-1,3-Dichloropropene	ND	ND	ND	<1.4	<1.4	<1.4
Trichloroethene	ND	**21.3**	ND	**153**	**13.6**	**1,640**
Trichlorofluoromethane	ND	ND	ND	<1.7	**1.7**	**2.2**
Vinyl acetate	ND	ND	ND	**7.4**	<1.1	**8.7**
Vinyl chloride	ND	ND	ND	<0.80	<0.77	<0.77
TOTAL VOCs	**12,510**	**453,479**	**608,840**	**494,779**	**3,795,077**	**14,603,780**

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

TABLE 4

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

Date	DPE Wells Operating	Parameter	Conc. (ug/m^3)	RRASS Emissions Summary						PR Program Emissions Summary					
				DPE (ug per sec)	AS (ug per sec)	Site Specific (ug per sec)	Excess Lifetime Cancer Risk (guideline value = 1E-05)	SER for Chronic Risk (ug per sec)	SER for Acute Risk (ug per sec)	DPE (ug per sec)	AS (ug per sec)	Site Specific (ug per sec)	Acute Hazard Quotient	Chronic Hazard Quotient	Excess Lifetime Cancer Risk (guideline value = 1E-05)
9/4/2009	DPE-1	PCE	3,630,000	61,710	70	**61,780**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/15/2009	DPE-1	PCE	396,000	5,940	5.6	5,946	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/16/2009	All Wells	PCE	571,000	8,565	5.6	8,571	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
11/17/2009	All Wells	PCE	381,000	4,953	0.5	4,953	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
12/17/2009	All Wells	PCE	6,790	197	0.5	197	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
1/14/2010	All Wells	PCE	8,550,000	393,300	3.9	**393,304**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
2/22/2010	All Wells	PCE	1,720,000	82,560	1.3	**82,561**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
3/25/2010	All Wells	PCE	215,000	11,180	2.1	11,182	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
4/16/2010	All Wells	PCE	282,000	9,588	1.3	9,589	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
5/12/2010	All Wells	PCE	27,900	1,729	0.8	1,730	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
6/17/2010	All Wells	PCE	689,000	11,713	3.9	11,717	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
7/26/2010	All Wells	PCE	489,000	22,983	1.2	**22,984**	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
10/18/2010	All Wells	PCE	1,300	79	6.5	86	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
12/23/2010	All Wells	PCE	2,680	64	3.2	68	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
1/20/2011	All Wells	PCE	5,040	282	3.5	286	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
2/28/2011	All Wells	PCE	4,590	225	4.1	229	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
3/23/2011	All Wells	PCE	7,340	250	0.18	250	NA	16,300	5,980,000	NA	NA	NA	NA	NA	NA
4/22/2011	All Wells	PCE	6,840	233	5.53	239	1.5E-07	16,300	5,980,000	235	5	240	0	0	1.9E-07
5/19/2011	All Wells	PCE	6,270	125	0.67	126	7.8E-08	16,300	5,980,000	121	1	122	0	0	9.8E-08
6/16/2011	All Wells	PCE	668	14	0.40	14	8.9E-09	16,300	5,980,000	14	0	14	0	0	1.2E-08
7/25/2011	All Wells	PCE	308	NA	NA	NA	NA	NA	NA	6	5	11	0	0	8.5E-09
8/28/2011	All Wells	PCE	0	NA	NA	NA	NA	NA	NA	0	7	7	0	0	5.5E-09
9/29/2011	DPE-1,2,3,4	PCE	3,420	NA	NA	NA	NA	NA	NA	97	0	97	0	0	1.0E-07
10/27/2011	DPE-1,2,3,4	PCE	180	NA	NA	NA	NA	NA	NA	4	0	4	0	0	5.2E-09
11/21/2011	DPE-1,2,3,4	PCE	22,100	NA	NA	NA	NA	NA	NA	578	1	579	0	0	5.1E-07
1/27/2012	DPE-1,2,3,4	PCE	29,100	NA	NA	NA	NA	NA	NA	674	3	677	0	0	3.7E-10
2/16/2012	DPE-1,2,3,4	PCE	4,440	NA	NA	NA	NA	NA	NA	84	2	86	0	0	7.1E-08
3/16/2012	DPE-1,2,3,4	PCE	0	NA	NA	NA	NA	NA	NA	0	1	1	0	0	4.9E-10
4/17/2012	DPE-1,2,3,4	PCE	20,600	NA	NA	NA	NA	NA	NA	284	1	285	0	0	2.4E-07
5/17/2012	DPE-1,2,3,4	PCE	25,200	NA	NA	NA	NA	NA	NA	384	1	385	0	0	3.1E-07
6/14/2012	DPE-1,2,3,4	PCE	11,200	NA	NA	NA	NA	NA	NA	204	1	205	0	0	1.6E-07
7/19/2012	DPE-3	PCE	113,000	NA	NA	NA	NA	NA	NA	2,624	0	2,624	0	0	2.1E-06
8/23/2012	DPE-3	PCE	27,800	NA	NA	NA	NA	NA	NA	437	1	438	0	0	3.5E-07
9/26/2012	DPE-3	PCE	45,800	NA	NA	NA	NA	NA	NA	983	0	983	0	0	7.9E-07
10/26/2012[1]	DPE-3	PCE	664,000	NA	NA	NA	NA	NA	NA	12,535	5	12,540	0	0.2	1.0E-05
12/21/2012	DPE-3	PCE	358,000	NA	NA	NA	NA	NA	NA	8,127	13	8,140	0	0.1	6.5E-06
1/30/2013	DPE-1,2,3,4	PCE	348,000	NA	NA	NA	NA	NA	NA	6,257	2	6,259	0	0.1	5.0E-06
2/26/2013	DPE-1,2,3,4	PCE	1,600	NA	NA	NA	NA	NA	NA	33	7	40	0	0.0	3.2E-08
3/21/2013	DPE-1,2,3,4	PCE	17,500	NA	NA	NA	NA	NA	NA	323	1	324	0	0.0	2.6E-07
5/23/2013	DPE-1,2,3,4	PCE	43,200	NA	NA	NA	NA	NA	NA	2,039	1	2,040	0	0.0	1.6E-06
6/26/2013	DPE-1,2,3,4	PCE	102	NA	NA	NA	NA	NA	NA	56	1	57	0	0.0	4.3E-09
8/26/2013	DPE-1,2,3,4	PCE	122	NA	NA	NA	NA	NA	NA	5	1	6	0	0.0	4.3E-09

Notes:
SERs: MPCA Screening Emissions Rates
61,780 Emissions rate is above MPCA SER
NA: Not Applicable
1: Landmark believes the October 26, 2012, emissions results from Pace Analytical are suspect and are outliers from previous concentration trends.

Table 5

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

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

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)				
5/17/2012	6/14/2012	28	672	830,565	21,474	0.5	0.034	39	3	92	0.006	0.59	0.000
6/14/2012	7/19/2012	35	840	835,414	4,849	0.1	0.006	36	35	2	0.000	0.59	0.000
7/19/2012	8/23/2012	35	840	849,507	14,093	0.3	0.018	46	0	100	0.005	0.60	0.000
8/23/2012	9/26/2012	34	816	860,318	10,811	0.2	0.014	22	2	92	0.002	0.60	0.000
9/26/2012	10/26/2012	30	720	951,486	91,168	2.1	0.133	36	2	95	0.026	0.62	0.001
10/26/2012	12/21/2012	56	1344	951,486	0	0.0	0.000	92	15	84	0.000	0.62	0.000
12/21/2012	1/30/2013	40	960	1,789,194	11,387	0.2	0.012	26	0	100	0.002	0.63	0.000
1/30/2013	2/26/2013	27	648	1,905,916	13,303	0.3	0.022	96	114	-19	-0.002	0.63	0.000
2/26/2013	3/21/2013	23	552	1,925,225	19,309	0.6	0.037	32	0	100	0.005	0.63	0.000
3/21/2013	5/23/2013	63	1512	1,941,137	15,912	0.2	0.011	123	17	86	0.014	0.65	0.000
5/23/2013	6/26/2013	34	816	1,954,470	13,333	0.3	0.017	56	0	100	0.006	0.65	0.000
6/26/2013	8/26/2013	61	1464	1,981,481	27,011	0.3	0.019	37	7	81	0.007	0.66	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.

Flow meter and totalizer not working. The DPE system was off from Oct. 26 through Dec. 21, 2012; therefore, the volume discharged during this period was 0 gallons. Gallons treated during periods ending on Jan. 30 and Feb. 26, 2013, were calculated from field totalizer.

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	8/26/2013	8/26/2013	6/26/2013	6/26/2013	5/22/2013	5/22/2013	3/21/2012	3/21/2013	2/26/2013	2/26/2013
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	**1.1**	<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)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
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	NA	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	NA*	NA*
2-Methylnaphthalene	NA	NA	NA	NA	<5.0	<5.0	<5.0	<5.0	NA*	NA*
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)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	**60.3**	**114**
Acrolein	NA	NA	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*
Acrylonitrile	NA	NA	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*
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	<10.0	<10.0	<4.0	<4.0	<10.0	<10.0	<10.0	<10.0
Carbon disulfide	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	NA*	NA*
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	<4.0	<4.0	<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	**6.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	NA	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	NA*	NA*
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	NA	NA	NA	NA	<4.0	<4.0	<4.0	<4.0	NA*	NA*
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	<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
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	**36.1**	<1.0	**56.4**	<1.0	**123**	**15.5**	**31.5**	<1.0	**35.4**	<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	<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
Trichloroethene	<0.40	<0.40	<0.40	<0.40	<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	NA	NA	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*
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	**36.1**	**6.9**	**56.4**	**0**	**123**	**16.5**	**31.5**	**0**	**95.7**	**114**

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
Collected Date	1/30/2013	1/30/2013	12/21/2012	12/21/2012	10/26/2012	10/26/2012	9/26/2012	9/26/2012	8/23/2012	8/23/2012
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	**4.5**	**7.4**	<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
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	NA*	NA*	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	NA*	NA*	<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	NA*	NA*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	<10.0	<10.0	NA*	NA*	<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	<10.0	<10.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	NA*	NA*	<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	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	NA*	NA*	<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	NA*	NA*	<4.0	<4.0	<10.0	<10.0	<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	<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
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	**26.3**	<1.0	**71.7**	**7.5**	**35.7**	**1.6**	**21.8**	**1.8**	**45.5**	<1.0
Tetrahydrofuran	<10.0	<10.0	**15.3**	<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	<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
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	NA*	NA*	<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	**26.3**	**0**	**91.5**	**14.9**	**35.7**	**1.6**	**21.8**	**1.8**	**45.5**	**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
Collected Date	7/19/2012	7/19/2012	6/14/2012	6/14/2012	5/17/2012	5/17/2012	4/17/2012	4/17/2012	3/16/2012	3/16/2012
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	1.2	<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	<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
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	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA
2-Methylnaphthalene	<5.0	<5.0	NA*	NA*	NA*	NA*	<5.0	<5.0	NA	NA
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA
Acrylonitrile	<10.0	<10.0	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<4.0	**4**	<4.0
Chloroprene	<1.0	<1.0	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<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
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	**36.1**	**35.2**	**39.0**	**3.3**	**22.7**	<1.0	**39.6**	<1.0	**86.5**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<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
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	NA*	NA*	<0.40	<0.40	<10.0	<10.0	NA	NA
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<3.0	<3.0	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**36.1**	**35.2**	**39**	**3.3**	**22.7**	**0**	**39.6**	**0**	**91.7**	**0**

Bold : Parameter detected above the reporting limit.

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

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

[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
Collected Date	2/16/2012	2/16/2012	1/27/2012	1/27/2012	1/20/2012	1/20/2012	11/21/2011	11/21/2011	10/27/2011	10/27/2011
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	**2.9**	**6.4**	<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	**8.8**	<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
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	**9.4**	**7.8**	<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
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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	**51.8**	<1.0	**76.3**	<1.0	**149**	**45.1**	**31.6**	<1.0	**40.3**	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	**51.8**	**0**	**76.3**	**0**	**149**	**45.1**	**31.6**	**0**	**40.3**	**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
Collected Date	9/29/2011	9/29/2011	8/28/2011	8/28/2011	7/25/2011	7/25/2011	6/16/2011	6/16/2011	5/19/2011	5/19/2011
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	**6.5**	<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
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	**4.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<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
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	**45.1**	<1.0	**50.7**	<1.0	**37.0**	<1.0	**42.8**	<1.0	**21.8**	<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	**45.1**	**6.5**	**50.7**	**4.9**	**37**	**0**	**42.8**	**0**	**21.8**	**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
Collected Date	4/22/2011	4/22/2011	3/23/2011	3/23/2011	3/1/2011	3/1/2011	1/20/2011	1/20/2011	12/23/2010	12/23/2010
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
1,1,1-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	**2.3**	<1.0	<1.0	<1.0	**3.0**	<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	<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
1,2,4-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	<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
1,3-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	<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
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	<10.0	**11.1**
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	<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
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	<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
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	**35.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	**1.8**	<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	<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
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	<4.0	<4.0	<4.0	**6.8**	<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	**41.3**	<1.0	**7.6**	<1.0	**127**	<1.0	**51.8**	<1.0	**168**	<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	<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
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	<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
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	**41.3**	**0**	**42.6**	**6.8**	**130.6**	**0**	**51.8**	**0**	**172.8**	**11.1**

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[3]
Collected Date	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
1,1,1-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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	**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
1,1-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	<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
1,2,4-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	<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
1,3-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)	**4.5**	**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
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	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<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	<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
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	<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
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	<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
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	**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
cis-1,2-Dichloroethene	<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
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	<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
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	<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
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	<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
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	**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
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	<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
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	<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
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	**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
Collected Date	3/25/2010	3/25/2010	2/22/2010	2/22/2010	1/14/2010	1/14/2010	12/17/2009	12/17/2009	12/17/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	**1.0**	<1.0	**2.1**	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Butanone (MEK)	**4.9**	**7.5**	<4.0	<4.0	**7.0**	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<25.0	<25.0	<25.0	<25.0	<25.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	**11.2**	**29.8**	<10.0	<10.0	**14.6**	<10.0	<10.0	<10.0	<10.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	**37.3**	**38.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	**380**	**644**	<4.0	<4.0	**98.5**	**31.9**	<1.0	<1.0	**1.3**
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**1.3**	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Iodomethane	**17.3**	**18.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	**3.4**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**55.5**	<1.0	**69.6**	<1.0	**157**	<1.0	<1.0	<1.0	**22.7**
Tetrahydrofuran	<10.0	**20.3**	<10.0	**15.7**	**29.4**	<10.0	**11.7**	**11.5**	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	**4.9**	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**507.2**	**763.5**	**73**	**15.7**	**308.8**	**31.9**	**11.7**	**11.5**	**24**

Bold : Total VOC Concentrations above Discharge Limit of 2,140 ug/l

Bold : Detected compounds above the reporting limit.

[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[2]	DPE Discharge[1]
Collected Date	11/16/2009	11/16/2009	10/15/2009	10/15/2009	9/4/2009	9/4/2009	7/9/2009	7/9/2009	6/4/2009	6/4/2009	4/9/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<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	<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	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	**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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**7.8**
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
2-Butanone (MEK)	<4.0	<4.0	**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	<10.0	<10.0	<50.0	<10.0	<1250	<25.0	<50.0
2-Chlorotoluene	<1.0	<1.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
2-Methylnaphthalene	<5.0	<5.0	<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	<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	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<25.0
Acetone	<10.0	<10.0	<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	<40.0	<40.0	<200	<40.0	<2000	<40.0	<200
Acrylonitrile	<10.0	<10.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Benzene	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromochloromethane	<1.0	<1.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Bromoform	<8.0	<8.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Carbon tetrachloride	<4.0	<4.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloroethane	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloromethane	<4.0	<4.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
cis-1,2-Dichloroethene	<1.0	<1.0	**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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Dibromochloromethane	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dichlorodifluoromethane	<1.0	<1.0	<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	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Ethylbenzene	<1.0	<1.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Iodomethane	<4.0	<4.0	<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	<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	<2.0	<2.0	<10.0	<2.0	<100	<2.0	<10.0
Methylene Chloride	<4.0	<4.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Naphthalene	<4.0	<4.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	5.0
n-Propylbenzene	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
p-Isopropyltoluene	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Styrene	<1.0	<1.0	<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	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Tetrachloroethene	**30.7**	<1.0	**214**	<1.0	**175**	<1.0	**1460**	<1.0	**3970**	**33.8**	**167000**
Tetrahydrofuran	<10.0	<10.0	**15.7**	<10.0	<10.0	<10.0	<50.0	**252**	**543**	**6300**	**600**
Toluene	<1.0	<1.0	<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	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Trichloroethene	<1.0	<1.0	<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	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Vinyl acetate	<20.0	<20.0	<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	<0.40	<0.40	<2.0	<0.40	<20.0	<0.40	<2.0
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<15.0	<3.0	<150	<3.0	<15.0
Total VOC Concentration	**30.7**	**0**	**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-14	1/20/2012	989.50	12.29	977.21	DPE-1,2,3,4
MW-14	1/27/2012	989.50	13.06	976.44	DPE-1,2,3,4
MW-14	2/16/2012	989.50	13.14	976.36	DPE-1,2,3,4
MW-14	3/16/2012	989.50	13.56	975.94	DPE-1,2,3,4
MW-14	3/27/2012	989.50	12.46	977.04	DPE-1,2,3,4
MW-14	4/17/2012	989.50	13.00	976.50	DPE-1,2,3,4
MW-14	5/17/2012	989.50	12.88	976.62	DPE-1,2,3,4
MW-14	5/31/2012	989.50	12.64	976.86	DPE-1,2,3,4
MW-14	6/14/2012	989.50	13.35	976.15	DPE-1,2,3,4
MW-14	7/19/2012	989.50	13.80	975.70	DPE-3
MW-14	8/23/2012	989.50	13.20	976.30	DPE-3
MW-14	9/26/2012	989.50	13.47	976.03	DPE-3
MW-14	10/26/2012	989.50	13.43	976.07	DPE-3
MW-14	12/19/2012	989.50	12.53	976.97	DPE-3; Before restarting the system
MW-14	12/21/2012	989.50	13.29	976.21	DPE-3; After restarting the system
MW-14	1/30/2013	989.50	13.42	976.08	DPE-1,2,3,4
MW-14	2/26/2013	989.50	13.41	976.09	DPE-1,2,3,4
MW-14	3/21/2013	989.50	13.47	976.03	DPE-1,2,3,4
MW-14	5/23/2013	989.50	8.56	980.94	DPE-1,2,3,4
MW-14	6/26/2013	989.50	10.01	979.49	DPE-1,2,3,4
MW-14	8/26/2013	989.50	11.54	977.96	DPE-1,2,3,4

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

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

TABLE 7

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

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
Elevator Draintile Sump	6/8/2009	989.58	7.00	982.58	pre-system startup
Elevator Draintile Sump	6/25/2009	990.20	6.34	983.86	pre-system startup
Elevator Draintile Sump	7/9/2009	990.20	6.38	983.82	DPE system on DPE-1
Elevator Draintile Sump	9/4/2009	990.20	6.29	983.91	DPE system on DPE-1
Elevator Draintile Sump	10/15/2009	990.20	6.18	984.02	DPE system on DPE-1
Elevator Draintile Sump	10/23/2009	990.20	6.08	984.12	DPE system off
Elevator Draintile Sump	11/16/2009	990.20	5.72	984.48	DPE System on all wells
Elevator Draintile Sump	12/17/2009	990.20	6.48	983.72	DPE System on all wells
Elevator Draintile Sump	1/14/2010	990.20	6.46	983.74	DPE System on all wells
Elevator Draintile Sump	2/22/2010	990.20	6.81	983.39	DPE System on all wells
Elevator Draintile Sump	3/25/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	4/16/2010	990.20	6.91	983.29	DPE System on all wells
Elevator Draintile Sump	5/12/2010	990.20	7.01	983.19	DPE System on all wells
Elevator Draintile Sump	6/17/2010	990.20	6.88	983.32	DPE System on all wells
Elevator Draintile Sump	8/18/2010	990.20	6.72	983.48	DPE System on all wells
Elevator Draintile Sump	9/27/2010	990.20	6.02	984.18	DPE System on all wells
Elevator Draintile Sump	11/18/2010	990.20	6.59	983.61	DPE System not operating
Elevator Draintile Sump	12/22/2010	990.20	6.48	983.72	DPE System restarted

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	1/6/2011	990.20	NA	NA	DPE System on all wells
Elevator Draintile Sump	1/20/2011	990.20	6.84	983.36	DPE System on all wells
Elevator Draintile Sump	2/28/2011	990.20	7.03	983.17	DPE System on all wells
Elevator Draintile Sump	3/7/2011	990.20	6.91	983.29	DPE System on all wells
Elevator Draintile Sump	3/18/2011	990.20	6.97	983.23	DPE System on all wells
Elevator Draintile Sump	3/23/2011	990.20	6.76	983.44	DPE System on all wells
Elevator Draintile Sump	4/22/2011	990.20	6.52	983.68	DPE System on all wells
Elevator Draintile Sump	5/19/2011	990.20	6.27	983.93	DPE System on all wells
Elevator Draintile Sump	6/16/2011	990.20	6.52	983.68	DPE System on all wells
Elevator Draintile Sump	7/25/2011	990.20	5.58	984.62	DPE System on all wells
Elevator Draintile Sump	8/28/2011	990.20	6.56	983.64	DPE System on all wells
Elevator Draintile Sump	9/29/2011	990.20	6.97	983.23	DPE-1,2,3,4
Elevator Draintile Sump	10/18/2011	990.20	6.68	983.52	DPE-1,2,3,4
Elevator Draintile Sump	10/27/2011	990.20	7.01	983.19	DPE-1,2,3,4
Elevator Draintile Sump	11/21/2011	990.20	7.31	982.89	DPE-1,2,3,4
Elevator Draintile Sump	1/20/2012	990.20	7.33	982.87	DPE-1,2,3,4
Elevator Draintile Sump	1/27/2012	990.20	7.38	982.82	DPE-1,2,3,4

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	2/16/2012	990.20	7.44	982.76	DPE-1,2,3,4
Elevator Draintile Sump	3/16/2012	990.20	7.61	982.59	DPE-1,2,3,4
Elevator Draintile Sump	4/17/2012	990.20	7.97	982.23	DPE-1,2,3,4
Elevator Draintile Sump	5/17/2012	990.20	DRY	NA	DPE-1,2,3,4
Elevator Draintile Sump	5/31/2012	990.20	6.99	983.21	DPE-1,2,3,4
Elevator Draintile Sump	6/14/2012	990.20	7.11	983.09	DPE-1,2,3,4
Elevator Draintile Sump	7/19/2012	990.20	7.09	983.11	DPE-3
Elevator Draintile Sump	8/23/2012	990.20	6.88	983.32	DPE-3
Elevator Draintile Sump	9/26/2012	990.20	7.19	983.01	DPE-3
Elevator Draintile Sump	10/26/2012	990.20	7.41	982.79	DPE-3
Elevator Draintile Sump	12/19/2012	990.20	7.33	982.87	DPE-3; Before restarting the system
Elevator Draintile Sump	12/21/2012	990.20	7.36	982.84	DPE-3; After restarting the system
Elevator Draintile Sump	1/30/2013	990.20	7.48	982.72	DPE-1,2,3,4
Elevator Draintile Sump	2/26/2013	990.20	7.70	982.50	DPE-1,2,3,4
Elevator Draintile Sump	3/21/2013	990.20	7.18	983.02	DPE-1,2,3,4
Elevator Draintile Sump	5/23/2013	990.20	4.07	986.13	DPE-1,2,3,4
Elevator Draintile Sump	6/26/2013	990.20	5.54	984.66	DPE-1,2,3,4
Elevator Draintile Sump	8/26/2013	990.20	6.66	983.54	DPE-1,2,3,4

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

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

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 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-14	12/3/2008	30.6	
	6/29/2009	30.6	
	10/1/2009	4.2	-86.3
	11/16/2009	7.1	-76.8
	2/23/2010	3.0	-90.2
	5/12/2010	3.1	-89.9
	8/18/2010	1.8	-94.1
	11/18/2010	6.6	-78.4
	3/1/2011	4.8	-84.3
	5/19/2011	5.0	-83.7
	8/28/2011	1.5	-95.1
	11/21/2011	1.5	-95.1
	2/16/2012	<1.0	-100.0
	5/17/2012	<1.0	-100.0
	9/26/2012	<1.0	-100.0
	12/19/2012	1.3	-95.8
	2/25/2013	<1.0	-100.0
	5/23/2013	2.2	-92.8
	8/26/2013	1.2	-96.1
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
	2/15/2012	<1.0	-100.0
	5/17/2012	<1.0	-100.0
	9/26/2012	<1.1	-99.0
	12/19/2012	<1.0	-100.0
	2/25/2013	<1.0	-100.0
	5/23/2013	3.9	-96.3
	8/26/2013	<1.0	-100.0
MW-16	12/3/2008	14,100	
	6/29/2009	14,100	
	10/1/2009	6,890	-51.1
	11/16/2009	21,000	48.9
	2/22/2010	4,390	-68.9
	5/12/2010	815	-94.2
	8/18/2010	696	-95.1
	11/18/2010	2,120	-85.0
	3/1/2011	322	-97.7
	5/19/2011	1,310	-90.7
	8/28/2011	590	-95.8
	11/21/2011	75	-99.5
	2/15/2012	16.1	-99.9
	5/17/2012	7.8	-99.9
	9/26/2012	21.8	-99.8
	12/19/2012	128.0	-99.1
	2/25/2013	8.0	-99.9
	5/23/2013	7,450.0	-47.2
	8/26/2013	469.0	-96.7

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-17	12/3/2008	363	
	6/29/2009	363	
	10/1/2009	803	121.2
	11/16/2009	1,100	203.0
	2/22/2010	639	76.0
	5/12/2010	412	13.5
	8/18/2010	174	-52.1
	11/18/2010	209	-42.4
	3/1/2011	145	-60.1
	5/19/2011	109	-70.0
	8/28/2011	107	-70.5
	11/21/2011	106	-70.8
	2/15/2012	47.1	-87.0
	5/17/2012	37.1	-89.8
	9/26/2012	38.1	-89.5
	12/19/2012	22.0	-93.9
	2/25/2013	49.9	-86.3
	5/23/2013	215.0	-40.8
	8/26/2013	95.5	-73.7
MW-18	12/3/2008	257	
	6/29/2009	257	
	10/1/2009	250	-2.7
	11/16/2009	130	-49.4
	2/22/2010	96.8	-62.3
	5/12/2010	26.0	-89.9
	8/18/2010	8.4	-96.7
	11/18/2010	8.6	-96.7
	3/1/2011	4.8	-98.1
	5/19/2011	3.6	-98.6
	8/28/2011	3.6	-98.6
	11/21/2011	3.6	-98.6
	2/15/2012	2.9	-98.9
	5/17/2012	1.5	-99.4
	9/26/2012	1.8	-99.3
	12/19/2012	<1.0	-100.0
	2/25/2013	2.3	-99.1
	5/23/2013	1.2	-99.5
	8/26/2013	1.5	-99.4
MW-19	12/3/2008	2.4	
	6/29/2009	2.4	
	9/24/2009	17.4	625.0
	11/16/2009	13.6	466.7
	2/23/2010	12.9	437.5
	5/12/2010	7.2	200.0
	8/18/2010	4.2	75.0
	11/18/2010	4.8	100.0
	3/1/2011	4.8	100.0
	5/19/2011	4.7	95.8
	8/28/2011	2.9	20.8
	11/21/2011	2.7	12.5
	2/15/2012	2.2	-8.3
	5/17/2012	1.1	-54.2
	9/26/2012	<1.0	-100.0
	12/19/2012	1.4	-41.7
	2/25/2013	<1.0	-100.0
	5/23/2013	3	-115.0
	8/26/2013	1.7	-169.2

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-20	12/10/2008	599	
	6/29/2009	599	
	10/1/2009	713	19.0
	11/16/2009	307	-48.7
	2/23/2010	402	-32.9
	5/12/2010	194	-67.6
	8/18/2010	74.7	-87.5
	11/18/2010	50.9	-91.5
	3/1/2011	211	-64.8
	5/19/2011	16.8	-97.2
	8/28/2011	12.2	-98.0
	11/21/2011	32.5	-94.6
	2/15/2012	41.8	-93.0
	5/17/2012	28.7	-95.2
	9/26/2012	17.4	-97.1
	12/19/2012	40.8	-93.2
	2/25/2013	50.2	-91.6
	5/23/2013	198	-66.9
	8/26/2013	45.5	-92.4
DPE-1	8/7/2008	157,000	
	12/10/2008	161,000	
	6/29/2009	161,000	
	9/28/2009	6,820	-95.8
	11/16/2009	3,330	-97.9
	2/22/2010	2,610	-98.4
	5/13/2010	1,700	-98.9
	8/18/2010	965	-99.4
	12/22/2010	1,190	-99.3
	3/1/2011	101	-99.9
	5/19/2011	185	-99.9
	8/28/2011	309	-99.8
	11/21/2011	99	-99.9
	2/16/2012	26.4	-100.0
	5/17/2012	38.8	-100.0
	9/26/2012	82.2	-99.9
	12/19/2012	505.0	-99.7
	2/26/2013	171.0	-99.9
	5/23/2013	9,840.0	-93.9
	8/26/2013	265.0	-99.8
DPE-2	12/10/2008	38,200	
	6/29/2009	38,200	
	9/28/2009	32,000	-16.2
	11/17/2009	10,600	-72.3
	2/22/2010	2,710	-92.9
	5/13/2010	5,800	-84.8
	8/18/2010	12,100	-68.3
	12/22/2010	4,690	-87.7
	3/1/2011	2,990	-92.2
	5/19/2011	1,680	-95.6
	8/28/2011	2,080	-94.6
	11/21/2011	890	-97.7
	2/16/2012	511	-98.7
	5/17/2012	206	-99.5
	9/26/2012	39	-99.9
	12/19/2012	746	-98.0
	2/26/2013	140	-99.6
	5/23/2013	7,100	-81.4
	8/26/2013	184	-99.5

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
DPE-3	12/10/2008	152,000	
	6/29/2009	152,000	
	9/28/2009	20,300	-86.6
	11/17/2009	34,600	-77.2
	2/22/2010	806	-99.5
	5/13/2010	2,240	-98.5
	8/18/2010	20,400	-86.6
	12/22/2010	1,450	-99.0
	3/1/2011	12,700	-91.6
	5/19/2011	3,220	-97.9
	8/28/2011	4,260	-97.2
	11/21/2011	5,310	-96.5
	2/16/2012	1,010	-99.3
	5/17/2012	3,690	-97.6
	9/26/2012	75	-100.0
	12/19/2012	5,670	-96.3
	2/26/2013	264	-99.8
	5/23/2013	61,800	-59.3
	8/26/2013	6,980	-95.4
DPE-4	12/10/2008	35,600	
	6/29/2009	35,600	
	9/28/2009	7,340	-79.4
	11/17/2009	5,040	-85.8
	2/22/2010	429	-98.8
	5/13/2010	357	-99.0
	8/18/2010	2,600	-92.7
	12/22/2010	1,100	-96.9
	3/1/2011	1,160	-96.7
	5/19/2011	367	-99.0
	8/28/2011	771	-97.8
	11/21/2011	763	-97.9
	2/16/2012	830	-97.7
	5/17/2012	223	-99.4
	9/26/2012	187	-99.5
	12/19/2012	1,410	-96.0
	2/26/2013	219	-99.4
	5/23/2013	13,700	-61.5
	8/26/2013	982	-97.2
DPE-5	12/10/2008	1,340	
	6/29/2009	1,340	
	9/24/2009	875	-34.7
	11/17/2009	1,450	8.2
	2/22/2010	486	-63.7
	5/13/2010	205	-84.7
	8/18/2010	124	-90.7
	12/22/2010	22	-98.4
	3/1/2011	339	-74.7
	5/19/2011	67	-95.0
	8/28/2011	<1.0	-100.0
	11/21/2011	51	-96.2
	2/16/2012	70	-94.8
	5/17/2012	11	-99.2
	9/26/2012	16	-98.8
	12/19/2012	74	-94.5
	2/26/2013	31	-97.7
	5/23/2013	405	-69.8
	8/26/2013	30	-97.8

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-6	12/10/2008	188	
	6/29/2009	188	
	9/24/2009	79.3	-57.8
	11/17/2009	104	-44.7
	2/22/2010	57.8	-69.3
	5/13/2010	14.6	-92.2
	8/18/2010	21.7	-88.5
	12/22/2010	77.1	-59.0
	3/1/2011	3.9	-97.9
	5/19/2011	23.4	-87.6
	8/28/2011	7.7	-95.9
	11/21/2011	1.9	-99.0
	2/16/2012	44.8	-76.2
	5/17/2012	<1.0	-100.0
	9/26/2012	4.6	-99.0
	12/19/2012	10.9	-99.0
	2/26/2013	19.8	-99.0
	5/23/2013	6.2	-96.7
	8/26/2013	4	-97.9
DPE-7	12/10/2008	22.3	
	6/29/2009	22.3	
	9/24/2009	5.2	-76.7
	11/17/2009	55.2	147.5
	2/22/2010	7.3	-67.3
	5/13/2010	25.7	15.2
	8/18/2010	189	747.5
	12/22/2010	23.2	4.0
	3/1/2011	7.1	-68.2
	5/19/2011	15.9	-28.7
	8/28/2011	26.9	20.6
	11/21/2011	<1.0	-100.0
	2/16/2012	27.8	24.7
	5/17/2012	<1.0	-100.0
	9/26/2012	<1.0	-100.0
	12/19/2012	3.7	-83.4
	2/26/2013	8	-64.1
	5/23/2013	1.6	-92.8
	8/26/2013	<0.4	-100.0
DPE-8	12/10/2008	14,200	
	6/29/2009	14,200	
	9/24/2009	1,850	-87.0
	11/17/2009	1,480	-89.6
	2/22/2010	90.3	-99.4
	5/13/2010	66.9	-99.5
	8/18/2010	131.0	-99.1
	12/22/2010	262.0	-98.2
	3/1/2011	415.0	-97.1
	5/19/2011	698.0	-95.1
	8/28/2011	700.0	-95.1
	11/21/2011	389.0	-97.3
	2/16/2012	NS	NS
	5/17/2012	NS	NS
	9/26/2012	NS	NS
	12/19/2012	NS	NS
	2/26/2013	NS	NS
	5/23/2013	4,240.0	-70.1
	8/26/2013	291.0	-98.0

Notes:
NS - Not Sampled

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
Collected Date and Time		08/26/13	05/23/13	02/25/13	12/21/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**2.3**	**3.5**	**2.0**	**2.1**	**1.6**	**1.4**	**1.2**	**1.4**	**1.6**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**1.2**	**2.2**	<1.0	**1.3**	<1.0	<1.0	<1.0	**1.5**	**1.5**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-14 05/19/11	MW-14 03/01/11	MW-14 11/18/10	MW-14 08/18/10	MW-14 05/12/10	MW-14 02/23/10	MW-14 11/16/09	MW-14 10/01/09	MW-14 12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	**1.1**	<1.0	<1.0	<1.0	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	**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
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

Sample ID	MDH Health Risk Limits 5/09	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Collected Date and Time		08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.1**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	**3.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID	MDH Health Risk Limits 5/09	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15	MW-15
Collected Date and Time		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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<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	NA*
4-Chlorotoluene	NL	<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	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<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	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	<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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

Sample ID	MDH Health	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1,1-Trichloroethane	9000	<5.0	**10.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1,2,2-Tetrachloroethane	2	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1,2-Trichloroethane	3	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	**33.0**	**1050**	<1.0	**7.3**	**1.3**	<1.0	<1.0	**3.1**	**19.7**
1,1-Dichloroethane	70	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloroethene	6	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2,3-Trichlorobenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2,3-Trichloropropane	40	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
1,2,4-Trichlorobenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2,4-Trimethylbenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
1,2-Dibromoethane (EDB)	.004	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2-Dichlorobenzene	600	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2-Dichloroethane	4	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,2-Dichloropropane	5	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
1,3,5-Trimethylbenzene	100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,3-Dichlorobenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,3-Dichloropropane	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,4-Dichlorobenzene	10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
2,2-Dichloropropane	NL	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
2-Butanone (MEK)	4000	<25.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
2-Chlorotoluene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
4-Chlorotoluene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<25.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Acetone	700	<100	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0
Allyl chloride	30	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Benzene	2	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Bromobenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Bromochloromethane	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Bromodichloromethane	6	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Bromoform	40	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Bromomethane	10	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Carbon tetrachloride	3	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Chlorobenzene	100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Chloroethane	300	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Chloroform	30	<5.0	**4.5**	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Chloromethane	NL	**456**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
cis-1,2-Dichloroethene	50	<5.0	**91.8**	<1.0	**1.7**	<1.0	<1.0	<1.0	**1.0**	**7.3**
cis-1,3-Dichloropropene	NL	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Dibromochloromethane	10	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Dibromomethane	NL	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Dichlorodifluoromethane	1000	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Dichlorofluoromethane	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Diethyl ether (Ethyl ether)	1000	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Ethylbenzene	700	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0
Isopropylbenzene (Cumene)	300	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0
Methylene Chloride	5	<20.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Methyl-tert-butyl ether	70	<5.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Naphthalene	300	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
n-Butylbenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
n-Propylbenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
p-Isopropyltoluene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
sec-Butylbenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Styrene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
tert-Butylbenzene	NL	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Tetrachloroethene	5	**469**	**7450**	**8.0**	**128**	**21.8**	**7.8**	**16.1**	**75.0**	**590**
Tetrahydrofuran	100	<50.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0
Toluene	1000	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,2-Dichloroethene	100	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<8.0
trans-1,3-Dichloropropene	NL	<20.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0
Trichloroethene	5	<2.0	**25.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Trichlorofluoromethane	2000	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
Vinyl chloride	0.2	<2.0	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<15.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0

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

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

TABLE 10

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

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

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

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

TABLE 10

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

Sample ID	MDH Health	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17	MW-17
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/12	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**10.8**	**32.8**	**7.0**	<1.0	**2.0**	**6.3**	**6.6**	**11.5**	**6.5**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**2.0**	**1.2**	**1.3**	**1.1**	**1.1**	**1.6**	**1.2**	**1.4**	<1.0
Chloromethane	NL	**6.1**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.3**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**95.5**	**215**	**49.9**	**22.0**	**23.3**	**37.1**	**47.1**	**106**	**107**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	**0.42**	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-17 05/19/11	MW-17 03/01/11	MW-17 11/18/10	MW-17 08/18/10	MW-17 05/12/10	MW-17 02/22/10	MW-17 11/16/09	MW-17 10/01/09	MW-17 12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<5.0	<5.0	<5.0	<2.0	NA*
1,1-Dichloroethene	6	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<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	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	<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	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<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	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<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	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<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	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<4.0	<8.0	<8.0	<8.0	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<4.0	<10.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<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	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	**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	<20.0	<20.0	<20.0	<8.0	NA*
cis-1,2-Dichloroethene	50	**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	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<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	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<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	<5.0	<5.0	<5.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<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	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<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	<5.0	<5.0	<5.0	<2.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<10.0	<10.0	<10.0	<4.0	NA*
Methylene Chloride	5	<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	<5.0	<5.0	<5.0	<2.0	NA*
Naphthalene	300	<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	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
Styrene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene	5	**109**	**145**	**209**	**174**	**412**	**639**	**1,100**	**803**	**363**
Tetrahydrofuran	100	<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	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<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	<20.0	<20.0	<20.0	<8.0	NA*
Trichloroethene	5	<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	<5.0	<5.0	<5.0	<2.0	NA*
Vinyl chloride	0.2	<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	<15.0	<15.0	<15.0	<6.0	NA*

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

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

TABLE 10

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

Sample ID	MDH Health Risk Limits 5/09	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
Collected Date and Time		08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	**20.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL		NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL		NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**1.5**	**1.2**	**2.3**	<1.0	**1.8**	**1.5**	**2.9**	**3.6**	**3.6**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-18 05/19/11	MW-18 03/01/11	MW-18 11/18/10	MW-18 08/18/10	MW-18 05/12/10	MW-18 02/22/10	MW-18 11/16/09	MW-18 10/01/09	MW-18 12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<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	NA*
Chloromethane	NL	<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	<2.0
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

Sample ID	MDH Health	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	**4.3**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**1.7**	**3.0**	<1.0	**1.4**	<1.0	**1.1**	**2.2**	**2.7**	**2.9**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID	MDH Health Risk Limits 5/09	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time		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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**1.9**	**2.4**	NA*
1,1-Dichloroethane	70	<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
1,1-Dichloropropene	NL	<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	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<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	**5.5**	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<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	NA*
Chloromethane	NL	<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
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

Sample ID	MDH Health	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**9.3**	**18.0**	**1.4**	**1.3**	**1.3**	**1.5**	**2.1**	**2.5**	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0		<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	**21.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**45.5**	**198**	**50.2**	**40.8**	**17.4**	**28.7**	**41.8**	**32.5**	**12.2**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-20 05/19/11	MW-20 03/01/11	MW-20 11/18/10	MW-20 08/18/10	MW-20 05/12/10	MW-20 02/23/10	MW-20 11/16/09	MW-20 10/01/09	MW-20 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<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	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	<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	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<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	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<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	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<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	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<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	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<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	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<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	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	<2.0	<2.0	<2.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0	<4.0	<2.0	NA*
Methylene Chloride	5	<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	<2.0	<2.0	<2.0	<1.0	NA*
Naphthalene	300	<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	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
Styrene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene	5	**16.8**	**211**	**50.9**	**74.7**	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<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	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	<8.0	<8.0	<8.0	<4.0	NA*
Trichloroethene	5	<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	<2.0	<2.0	<2.0	<1.0	NA*
Vinyl chloride	0.2	<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	<6.0	<6.0	<6.0	<3.0	NA*

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

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-1 8/26/2013	DPE-1 5/23/2013	DPE-1 2/25/2013	DPE-1 12/19/2012	DPE-1 9/26/2012	DPE-1 5/17/2012	DPE-1 2/16/2012	DPE-1 11/21/2011	DPE-1 8/28/2011
1,1,1,2-Tetrachloroethane	70	<1.0	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	**6.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**35.8**	**145**	**7.9**	**3.9**	**1.1**	**1.1**	<1.0	**3.2**	**9.5**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.1**	**3.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	**10.6**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	**1.8**	**89.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.9**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**265**	**9840**	**171**	**505**	**82.2**	**38.8**	**26.4**	**99.2**	**309**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	**0.84**	**25.9**	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

TABLE 10

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

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

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1,1-Trichloroethane	9000	<1.0	**4.1**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1,2-Trichloroethane	3	<1.0	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1,2-Trichlorotrifluoroethane	200000	**25.6**	**136**	**16.0**	**43.5**	**3.1**	**23.8**	**41.5**	**110**	**212**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Acetone	700	<20.0	<20.0	<25.0	<25.0	<25.0	<50.0	<125	<250	<250
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Chloroethane	300	<1.0	<4.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Chloroform	30	<1.0	**3.8**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
cis-1,2-Dichloroethene	50	<1.0	**67.8**	<1.0	**1.8**	<1.0	<2.0	<5.0	<10.0	<10.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<10.0	<25.0	<50.0	<50.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<20.0	<20.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Tetrachloroethene	5	**184**	**7100**	**140**	**746**	**39.0**	**206**	**511**	**890**	**2080**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<50.0	<100	<100
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<40.0	<40.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0
Trichloroethene	5	**0.45**	**12.7**	<1.0	**1.6**	<1.0	<2.0	<5.0	<10.0	<10.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<2.0	<4.0	<4.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<15.0	<30.0	<30.0

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

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

TABLE 10

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

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

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

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

TABLE 10

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-3 08/26/13	DPE-3 05/23/13	DPE-3 02/25/13	DPE-3 12/19/12	DPE-3 09/26/12	DPE-3 05/17/12	DPE-3 02/16/12	DPE-3 11/21/11	DPE-3 08/28/11
1,1,1,2-Tetrachloroethane	70	<50.0	**4.9**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,1,1-Trichloroethane	9000	<50.0	**38.7**	<1.0	**4.2**	<1.0	<20.0	<10.0	<25.0	<25.0
1,1,2,2-Tetrachloroethane	2	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,1,2-Trichloroethane	3	<50.0	**2.1**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,1,2-Trichlorotrifluoroethane	200000	**686**	**6020**	**15.8**	**232**	**2.7**	**414**	**251**	**787**	**348**
1,1-Dichloroethane	70	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,1-Dichloroethene	6	<50.0	**2.0**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,1-Dichloropropene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2,3-Trichlorobenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2,3-Trichloropropane	40	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
1,2,4-Trichlorobenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2,4-Trimethylbenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2-Dibromo-3-chloropropane	NL	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
1,2-Dibromoethane (EDB)	.004	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2-Dichlorobenzene	600	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2-Dichloroethane	4	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,2-Dichloropropane	5	<200	**10.0**	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
1,3,5-Trimethylbenzene	100	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,3-Dichlorobenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,3-Dichloropropane	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
1,4-Dichlorobenzene	10	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
2,2-Dichloropropane	NL	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
2-Butanone (MEK)	4000	<250	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
2-Chlorotoluene	NL	<50.0	**4.2**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
4-Chlorotoluene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
4-Methyl-2-pentanone (MIBK)	300	<250	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Acetone	700	<1000	<40.0	**104**	<25.0	<25.0	<500	<250	<625	<625
Allyl chloride	30	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Benzene	2	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Bromobenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Bromochloromethane	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Bromodichloromethane	6	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Bromoform	40	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Bromomethane	10	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Carbon tetrachloride	3	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Chlorobenzene	100	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Chloroethane	300	<50.0	<8.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Chloroform	30	<50.0	**14.6**	<1.0	**2.6**	<1.0	<20.0	<10.0	<25.0	<25.0
Chloromethane	NL	**272**	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
cis-1,2-Dichloroethene	50	<50.0	**90.2**	<1.0	**25.0**	<1.0	<20.0	<10.0	<25.0	<25.0
cis-1,3-Dichloropropene	NL	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Dibromochloromethane	10	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Dibromomethane	NL	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Dichlorodifluoromethane	1000	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Dichlorofluoromethane	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Diethyl ether (Ethyl ether)	1000	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Ethylbenzene	700	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Hexachloro-1,3-butadiene	1	<50.0	<10.0	<5.0	<5.0	<5.0	<100	<50.0	<125	<125
Isopropylbenzene (Cumene)	300	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<40.0	<20.0	<50.0	<50.0
Methylene Chloride	5	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Methyl-tert-butyl ether	70	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Naphthalene	300	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
n-Butylbenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
n-Propylbenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
p-Isopropyltoluene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
sec-Butylbenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Styrene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
tert-Butylbenzene	NL	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Tetrachloroethene	5	**6980**	**61800**	**264**	**5670**	**74.8**	**3690**	**1010**	**5310**	**4260**
Tetrahydrofuran	100	<500	<20.0	<10.0	<10.0	<10.0	<200	<100	<250	<250
Toluene	1000	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
trans-1,2-Dichloroethene	100	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<100	<100
trans-1,3-Dichloropropene	NL	<200	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100
Trichloroethene	5	<20.0	**68.2**	<1.0	**10.4**	<1.0	<20.0	<10.0	<25.0	<25.0
Trichlorofluoromethane	2000	<50.0	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0
Vinyl chloride	0.2	<20.0	<0.80	<0.40	<0.40	<0.40	<8.0	<4.0	<10.0	<10.0
Xylene (Total)	10000	<150	<6.0	<3.0	<3.0	<3.0	<60.0	<30.0	<75.0	<75.0

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

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

TABLE 10

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

TABLE 10

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

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

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

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

TABLE 10

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-4 08/26/13	DPE-4 05/23/13	DPE-4 02/25/13	DPE-4 12/19/12	DPE-4 09/26/12	DPE-4 05/17/12	DPE-4 02/16/12	DPE-4 11/21/11	DPE-4 08/28/11
1,1,1,2-Tetrachloroethane	70	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,1,1-Trichloroethane	9000	<10.0	**7.6**	<1.0	**1.1**	<1.0	<2.0	<5.0	<5.0	<5.0
1,1,2,2-Tetrachloroethane	2	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,1,2-Trichloroethane	3	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,1,2-Trichlorotrifluoroethane	200000	**144**	**449**	**28.8**	**141**	**9.7**	**9.5**	**54.4**	**99.7**	**93.8**
1,1-Dichloroethane	70	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,1-Dichloroethene	6	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,1-Dichloropropene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2,3-Trichlorobenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2,3-Trichloropropane	40	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
1,2,4-Trichlorobenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2,4-Trimethylbenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2-Dibromo-3-chloropropane	NL	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
1,2-Dibromoethane (EDB)	.004	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2-Dichlorobenzene	600	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2-Dichloroethane	4	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,2-Dichloropropane	5	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
1,3,5-Trimethylbenzene	100	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,3-Dichlorobenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,3-Dichloropropane	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
1,4-Dichlorobenzene	10	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
2,2-Dichloropropane	NL	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
2-Butanone (MEK)	4000	<50.0	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
2-Chlorotoluene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
4-Chlorotoluene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
4-Methyl-2-pentanone (MIBK)	300	<50.0	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Acetone	700	<200	<40.0	**40.9**	<25.0	<25.0	<50.0	<125	<125	<125
Allyl chloride	30	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Benzene	2	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Bromobenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Bromochloromethane	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Bromodichloromethane	6	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Bromoform	40	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Bromomethane	10	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Carbon tetrachloride	3	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Chlorobenzene	100	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Chloroethane	300	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Chloroform	30	<10.0	**7.1**	<1.0	**1.3**	<1.0	<2.0	<5.0	<5.0	<5.0
Chloromethane	NL	**451**	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
cis-1,2-Dichloroethene	50	<10.0	**24.4**	<1.0	**5.1**	<1.0	<2.0	<5.0	<5.0	<5.0
cis-1,3-Dichloropropene	NL	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Dibromochloromethane	10	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Dibromomethane	NL	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Dichlorodifluoromethane	1000	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Dichlorofluoromethane	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Diethyl ether (Ethyl ether)	1000	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Ethylbenzene	700	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Hexachloro-1,3-butadiene	1	<10.0	<10.0	<5.0	<5.0	<5.0	<10.0	<25.0	<25.0	<25.0
Isopropylbenzene (Cumene)	300	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<10.0	<10.0
Methylene Chloride	5	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Methyl-tert-butyl ether	70	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Naphthalene	300	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
n-Butylbenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
n-Propylbenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
p-Isopropyltoluene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
sec-Butylbenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Styrene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
tert-Butylbenzene	NL	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Tetrachloroethene	5	**982**	**13700**	**219**	**1410**	**187**	**223**	**830**	**763**	**771**
Tetrahydrofuran	100	<100	<20.0	<10.0	<10.0	<10.0	<20.0	<50.0	<50.0	<50.0
Toluene	1000	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
trans-1,2-Dichloroethene	100	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<20.0	<20.0
trans-1,3-Dichloropropene	NL	<40.0	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0
Trichloroethene	5	<4.0	**19.5**	<1.0	**2.2**	<1.0	<2.0	<5.0	<5.0	<5.0
Trichlorofluoromethane	2000	<10.0	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0
Vinyl chloride	0.2	<4.0	<0.80	<0.40	<0.40	<0.40	<0.80	<2.0	<2.0	<2.0
Xylene (Total)	10000	<30.0	<6.0	<3.0	<3.0	<3.0	<6.0	<15.0	<15.0	<15.0

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

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

TABLE 10

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

TABLE 10

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

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

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**7.0**	**48.0**	<1.0	**13.4**	**1.2**	<1.0	**2.2**	**3.0**	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	**107**	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	**1.7**	<1.0	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**29.5**	**405**	**30.9**	**74.1**	**16.4**	**11.1**	**69.5**	**51.2**	<1.0
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5
Collected Date and Time	Risk Limits 5/09	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	<5.0	<10.0	<10.0	NA*
1,1,1-Trichloroethane	9000	<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	<5.0	<10.0	<10.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<5.0	<10.0	<10.0	NA*
1,1-Dichloroethene	6	<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	<5.0	<10.0	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	<5.0	<10.0	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<20.0	<40.0	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<5.0	<10.0	<10.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloropropane	5	<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	<5.0	<10.0	<10.0	NA*
1,3-Dichlorobenzene	NL	<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	<5.0	<10.0	<10.0	NA*
1,4-Dichlorobenzene	10	<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	<5.0	<40.0	<10.0	NA*
2-Butanone (MEK)	4000	<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	<5.0	<10.0	<10.0	NA*
4-Chlorotoluene	NL	<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	<20.0	<40.0	<40.0	NA*
Acetone	700	<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	<20.0	<40.0	<40.0	NA*
Benzene	2	<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	<5.0	<10.0	<10.0	NA*
Bromochloromethane	NL	<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	<5.0	<10.0	<10.0	NA*
Bromoform	40	<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	<20.0	<40.0	<40.0	NA*
Carbon tetrachloride	3	<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	<5.0	<10.0	<10.0	NA*
Chloroethane	300	<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	<5.0	<10.0	<10.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
cis-1,2-Dichloroethene	50	<1.0	**1.3**	<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	<20.0	<40.0	<40.0	NA*
Dibromochloromethane	10	<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	<5.0	<10.0	<10.0	NA*
Dichlorodifluoromethane	1000	<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	<5.0	<10.0	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<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	<5.0	<10.0	<10.0	NA*
Hexachloro-1,3-butadiene	1	<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	<5.0	<10.0	<10.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<10.0	<20.0	<20.0	NA*
Methylene Chloride	5	<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	<5.0	<10.0	<10.0	NA*
Naphthalene	300	<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	<5.0	<10.0	<10.0	NA*
n-Propylbenzene	NL	<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	<5.0	<10.0	<10.0	NA*
p-Isopropyltoluene	NL	<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	<5.0	<10.0	<10.0	NA*
Styrene	NL	<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	<5.0	<10.0	<10.0	NA*
Tetrachloroethene	5	**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	<50.0	<100	<100	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
trans-1,2-Dichloroethene	100	<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	<20.0	<40.0	<40.0	NA*
Trichloroethene	5	<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	<5.0	<10.0	<10.0	NA*
Vinyl chloride	0.2	<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	<15.0	<30.0	<30.0	NA*

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time	Risk Limits 5/09	08/26/13	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	**1.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<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
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.3**	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	**4.0**	**6.2**	**19.8**	**10.9**	**4.6**	<1.0	**44.8**	**1.9**	**7.7**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time	Risk Limits 5/09	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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**1.5**	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<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	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-7 08/26/13	DPE-7 05/23/13	DPE-7 02/25/13	DPE-7 12/19/12	DPE-7 09/26/12	DPE-7 05/17/12	DPE-7 02/16/12	DPE-7 11/21/11	DPE-7 08/28/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**3.8**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	1	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	NL	NA	NA	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	5	<1.0	**1.6**	**8.0**	**3.7**	<1.0	<1.0	**27.8**	<1.0	**26.9**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	5	<0.40	<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
Vinyl chloride	0.2	<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

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

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

TABLE 10

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

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-7 05/19/11	DPE-7 03/01/11	DPE-7 12/22/10	DPE-7 08/18/10	DPE-7 05/13/10	DPE-7 02/22/10	DPE-7 11/17/09	DPE-7 09/24/09	DPE-7 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<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	NA*
1,1,2,2-Tetrachloroethane	2	<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	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<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	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<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	NA*
1,3-Dichlorobenzene	NL	<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	NA*
1,4-Dichlorobenzene	10	<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	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<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	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<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	NA*
Trichloroethene	5	<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	NA*
Vinyl chloride	0.2	<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	NA*

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

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

TABLE 10

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-8 08/26/13	DPE-8 05/23/13	DPE-8 02/25/13	DPE-8 12/19/12	DPE-8 09/26/12	DPE-8 05/17/12	DPE-8 02/16/12	DPE-8 11/21/11	DPE-8 08/28/11
1,1,1,2-Tetrachloroethane	70	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,1-Trichloroethane	9000	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2,2-Tetrachloroethane	2	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2-Trichloroethane	3	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	**36.4**	**237**	NS	NS	NS	NS	NS	**62.0**	**32.4**
1,1-Dichloroethane	70	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1-Dichloroethene	6	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1-Dichloropropene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,3-Trichlorobenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,3-Trichloropropane	40	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,2,4-Trichlorobenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,4-Trimethylbenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,2-Dibromoethane (EDB)	.004	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichlorobenzene	600	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichloroethane	4	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichloropropane	5	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,3,5-Trimethylbenzene	100	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,3-Dichlorobenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,3-Dichloropropane	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,4-Dichlorobenzene	10	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
2,2-Dichloropropane	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
2-Butanone (MEK)	4000	<10.0	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0
2-Chlorotoluene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
4-Chlorotoluene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<10.0	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0
Acetone	700	<40.0	<100	NS	NS	NS	NS	NS	<125	<50.0
Allyl chloride	30	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Benzene	2	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromobenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromochloromethane	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromodichloromethane	6	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromoform	40	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Bromomethane	10	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Carbon tetrachloride	3	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chlorobenzene	100	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloroethane	300	<2.0	<20.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloroform	30	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloromethane	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
cis-1,2-Dichloroethene	50	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
cis-1,3-Dichloropropene	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Dibromochloromethane	10	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Dibromomethane	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Dichlorodifluoromethane	1000	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Dichlorofluoromethane	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Diethyl ether (Ethyl ether)	1000	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Ethylbenzene	700	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Hexachloro-1,3-butadiene	1	<2.0	<25.0	NS	NS	NS	NS	NS	<25.0	<10.0
Isopropylbenzene (Cumene)	300	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
m&p-Xylene	NL	NA	NA	NS	NS	NS	NS	NS	<10.0	<4.0
Methylene Chloride	5	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Methyl-tert-butyl ether	70	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Naphthalene	300	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
n-Butylbenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
n-Propylbenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
o-Xylene	NL	NA	NA	NS	NS	NS	NS	NS	<5.0	<2.0
p-Isopropyltoluene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
sec-Butylbenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Styrene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
tert-Butylbenzene	NL	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Tetrachloroethene	5	**291**	**4240**	NS	NS	NS	NS	NS	**389**	**700**
Tetrahydrofuran	100	<20.0	**112**	NS	NS	NS	NS	NS	<50.0	<20.0
Toluene	1000	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
trans-1,2-Dichloroethene	100	<2.0	<5.0	NS	NS	NS	NS	NS	<20.0	<8.0
trans-1,3-Dichloropropene	NL	<8.0	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Trichloroethene	5	<0.80	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Trichlorofluoromethane	2000	<2.0	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Vinyl chloride	0.2	<0.80	<2.0	NS	NS	NS	NS	NS	<2.0	<0.80
Xylene (Total)	10000	<6.0	<15.0	NS	NS	NS	NS	NS	<15.0	<6.0

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

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

TABLE 10

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

TABLE 10

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

Sample ID	MDH Health	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8	DPE-8
Collected Date and Time	Risk Limits 5/09	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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichloroethane	3	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,1-Dichloroethene	6	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichlorobenzene	600	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloropropane	5	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
1,4-Dichlorobenzene	10	<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	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
2-Butanone (MEK)	4000	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	**24.1**	NA*
2-Chlorotoluene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
4-Chlorotoluene	NL	<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	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Acetone	700	<125	<50.0	<10.0	<10.0	<10.0	**12.9**	<100	<20.0	NA*
Allyl chloride	30	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Benzene	2	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromobenzene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromochloromethane	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromodichloromethane	6	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Bromoform	40	<20.0	<16.0	<8.0	<8.0	<8.0	<8.0	<80.0	<16.0	NA*
Bromomethane	10	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Carbon tetrachloride	3	<5.0	<8.0	<4.0	<4.0	<4.0	<1.0	<40.0	<2.0	NA*
Chlorobenzene	100	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroethane	300	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloroform	30	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Chloromethane	NL	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
cis-1,3-Dichloropropene	NL	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Dibromochloromethane	10	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dibromomethane	NL	<20.0	<8.0	<4.0	<4.0	<4.0	<1.0	<10.0	<2.0	NA*
Dichlorodifluoromethane	1000	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Dichlorofluoromethane	NL	<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	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Ethylbenzene	700	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<25.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<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	<2.0	<2.0	<2.0	<2.0	<20.0	<4.0	NA*
Methylene Chloride	5	<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	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Naphthalene	300	<20.0	<8.0	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
n-Butylbenzene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
n-Propylbenzene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
o-Xylene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
p-Isopropyltoluene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
sec-Butylbenzene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Styrene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
tert-Butylbenzene	NL	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
Tetrachloroethene	5	**698**	**415**	**262**	**131**	**66.9**	**90.3**	**1,480**	**1,850**	**14,200**
Tetrahydrofuran	100	<50.0	<20.0	<10.0	<10.0	<10.0	**18.4**	<100	**46.1**	NA*
Toluene	1000	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<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	<4.0	<4.0	<4.0	<4.0	<40.0	<8.0	NA*
Trichloroethene	5	<5.0	<2.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
Trichlorofluoromethane	2000	<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	<0.40	<0.40	<0.40	<0.40	<4.0	<0.80	<40.0
Xylene (Total)	10000	<15.0	<6.0	<3.0	<3.0	<3.0	<3.0	<30.0	<6.0	NA*

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

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

TABLE 10

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

TABLE 11

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

Sample ID	DPE-1	DPE-1	DPE-2	DPE-2	DPE-3	DPE-3	DPE-4	DPE-4	DPE-5	DPE-5
Collected Date	09/28/2009 12:52	12/10/2008 13:50	09/28/2009 14:22	12/10/2008 11:45	09/28/200 9 15:25	12/10/2008 10:57	09/28/2009 10:13	12/10/2008 11:20	12/10/2008 16:45	09/24/2009 04:00
Calcium, Dissolved	NA*	**149,000**	NA*	**181,000**	NA*	**556,000**	NA*	**258,000**	**75,400**	NA*
Dissolved Organic Carbon	<2000	**4,800**	**2,000**	**2,800**	**3,700**	**6,900**	<2000	2700	4700	<2000
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0	<50.0
Magnesium, Dissolved	NA*	**33,400**	NA*	**47,600**	NA*	**103,000**	NA*	**73,400**	**86,200**	NA*
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**5,900**	**6,400**	**4,900**	**7,800**	**7,100**	**9,800**	**11,000**	**26,800**	**5,500**	**5,500**
Sulfate	**157,000**	**250,000**	**174,000**	**182,000**	**296,000**	**436,000**	**168,000**	**235,000**	**468,000**	**281,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

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

TABLE 11

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

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

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

TABLE 11

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

Sample ID	MW15	MW15	MW16	MW-16	MW17	MW-17	MW18	MW-18
Collected Date	10/01/2009 04:20	12/10/2008 12:15	10/01/2009 04:25	12/03/2008 12:35	10/01/2009 05:20	12/03/2008 13:10	10/01/2009 05:46	12/03/2008 14:26
Calcium, Dissolved	NA*	**67,700**	NA*	**194,000**	NA*	**76,300**	NA*	**99,000**
Dissolved Organic Carbon	**15,700**	<2000	**49,100**	**3,500**	**9,100**	**7,500**	**5,400**	**8,500**
Iron, Dissolved	<50.0	<50.0	<50.0	<50.0	<50.0	**50.1**	**88.3**	**4,190**
Magnesium, Dissolved	NA*	**18,700**	NA*	**70,200**	NA*	**29,100**	NA*	**52,600**
Methane	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Nitrate as N	**580**	**2,200**	**16,200**	NA*	**3,900**	NA*	<400	NA*
Sulfate	**99,900**	**87,500**	**258,000**	**253,000**	**159,000**	**199,000**	**110,000**	**115,000**
Sulfide	<5000	<5000	<5000	<5000	<5000	<5000	<5000	<5000

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

TABLE 11

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

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

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

TABLE 12

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

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-14	12/3/2008	15.1	735	7.41	228	2.6	1.752
MW-14	10/1/2009	18.8	1825	7.84	181	3.6	NR
MW-14	11/16/2009	19.22	1747	6.74	47.5	3.48	NR
MW-14	2/23/2010	18.51	1693	7.54	186	2.8	NR
MW-14	5/12/2010	18.65	1539	7.5	379	5.2	NR
MW-14	8/18/2010	19.16	1088	8.24	285	5.51	NR
MW-14	11/18/2010	19.54	1137	6.95	-42	3.49	NR
MW-14	3/1/2011	18.9	996	6.2	4.3	1.34	NR
MW-14	5/19/2011	19.38	984	7.61	-19.1	2.57	NR
MW-14	8/28/2011	19.5	1711	5.59	148	3.21	NR
MW-14	11/21/2011	19.7	1123	6.92	-14.2	3.99	NR
MW-14	2/15/2012	19.3	1174	7.44	-44.9	4.58	NR
MW-14	5/17/2012	9.9	1062	7.07	-17	1.9	NR
MW-14	9/26/2012	19.4	1043	7.53	-23	6.36	NR
MW-14	12/19/2012	19.8	1119	7.42	-36	1.33	NR
MW-14	2/25/2013	19.4	1324	7.17	-11.6	4.4	NR
MW-14	5/23/2013	19.2	701	7.92	-61	4.4	NR
MW-14	8/26/2013	19.41	1266	7.54	58.2	1.59	NR
MW-15	12/3/2008	13.4	735	8.18	87	3.8	279
MW-15	10/1/2009	18.4	920	8.08	167	5.22	NR
MW-15	11/16/2009	19.6	1155	7.35	200	4.53	NR
MW-15	2/22/2010	19.5	1506	7.82	916	4.27	NR
MW-15	5/12/2010	18.56	1708	7.37	84.9	6.97	NR
MW-15	8/18/2010	21.3	1593	10.6	166	6.04	NR
MW-15	11/18/2010	19.7	1446	6.14	25.8	4.86	NR
MW-15	3/1/2011	19.6	936	7.41	16.3	2.19	NR
MW-15	5/19/2011	15.4	1314	8.08	-42	2.91	NR
MW-15	8/28/2011	19.9	2051	6.65	121	5.15	NR
MW-15	11/21/2011	18.5	14	7.38	-37	97.3	NR
MW-15	2/15/2012	18.4	841	7.61	-53	4.21	NR
MW-15	5/17/2012	9.9	1223	7.49	-20	1.9	NR
MW-15	9/26/2012	19.2	1295	7.67	-30	6.3	NR
MW-15	12/19/2012	20.4	1130	7.49	-40	1.97	NR
MW-15	2/25/2013	20.7	1416	7.4	-23	1.46	NR
MW-15	5/23/2013	20.1	5007	7.53	-41	3.36	NR
MW-15	8/26/2013	20.31	3002	7.48	33.4	2.39	NR
MW-16	12/3/2008	14.5	735	8.21	-45	1.9	40
MW-16	10/1/2009	18.27	1182	7.46	214	9.68	NR
MW-16	11/16/2009	18.82	4048	6.91	170	3.67	NR
MW-16	2/22/2010	18.54	3238	7.31	115	4.17	NR
MW-16	5/12/2010	18.52	3240	7.46	209	6.29	NR
MW-16	8/18/2010	19.21	2695	10.3	49	6.26	NR
MW-16	11/18/2010	19.19	2935	7.61	-71	3.54	NR
MW-16	3/1/2011	18.93	1862	7.22	-23	1.94	NR
MW-16	5/19/2011	19.2	2476	7.76	-26	2.54	NR
MW-16	8/28/2011	19.4	3357	6.96	117	4.16	NR
MW-16	11/21/2011	19.7	2535	7.17	-26	3.35	NR
MW-16	2/15/2012	18.9	1492	7.68	-57	4.25	NR
MW-16	5/17/2012	9.9	1129	7.54	-24	1.9	NR
MW-16	9/26/2012	18.9	1126	7.4	-16	6.21	NR
MW-16	12/19/2012	19.6	2177	7.39	-10	3.61	NR
MW-16	2/25/2013	19.4	1338	7.48	-27	4.7	NR
MW-16	5/23/2013	19.1	2161	7.02	-19	1.92	NR
MW-16	8/26/2013	19.69	2058	7.29	-2.5	2.37	NR
MW-17	12/3/2008	14.8	735	8.99	-99	2.6	1.3
MW-17	10/1/2009	17.8	1428	8.6	175	1.99	NR
MW-17	11/16/2009	17.62	1761	7.34	29	1.62	NR
MW-17	2/22/2010	18.25	16.08	7.66	-163	2.02	NR
MW-17	5/12/2010	18.05	1707	7.21	-82	1.96	NR
MW-17	8/18/2010	18.29	1759	10.4	15	3.51	NR
MW-17	11/18/2010	18.47	2102	7.43	-62	2.23	NR
MW-17	3/1/2011	18.5	1425	7.21	-76	1.21	NR
MW-17	5/19/2011	18.6	1371	7.87	-31	0.77	NR
MW-17	8/28/2011	19.1	2206	6.96	-116	4.1	NR
MW-17	11/21/2011	19.81	1927	7.26	-31	0.83	NR
MW-17	2/15/2012	19.04	1349	7.45	-45	0.42	NR
MW-17	5/17/2012	9.9	1000	7.54	-39	1.09	NR
MW-17	9/26/2012	18.2	753	7.03	2.1	3.02	NR
MW-17	12/19/2012	19.5	727	7.48	-40	0.43	NR
MW-17	2/25/2013	19.2	1361	7.32	-19.3	1.6	NR
MW-17	5/23/2013	19.2	1396	7.92	-58	1.62	NR
MW-17	8/26/2013	19.29	1594	7.32	-51.2	1.02	NR

TABLE 12

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

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
MW-18	12/3/2008	14.9	735	8.06	-137	3.1	1.2
MW-18	10/1/2009	17.8	1497	7.75	176	1.47	NR
MW-18	11/16/2009	16.46	2588	6.6	54.7	1.09	NR
MW-18	2/22/2010	17.7	2061	7.41	-244	1.19	NR
MW-18	5/12/2010	18.11	1992	6.98	-122	2.21	NR
MW-18	8/18/2010	17.3	1876	10.3	-69	0.69	NR
MW-18	11/18/2010	17.34	1640	7.51	-66	2.7	NR
MW-18	3/1/2011	17.4	1845	6.94	-46	0.61	NR
MW-18	5/19/2011	17.5	1949	7.41	-8.5	0.91	NR
MW-18	8/28/2011	18.9	2149	6.71	2.7	1.1	NR
MW-18	11/21/2011	19.8	1840	7.31	-34	1.03	NR
MW-18	2/15/2012	18.76	1937	7.5	-86	0.71	NR
MW-18	5/17/2012	9.9	2361	6.68	-46	5.6	NR
MW-18	9/26/2012	19.3	1680	6.98	4.9	2.9	NR
MW-18	12/19/2012	19.5	1738	7.08	-18	0.6	NR
MW-18	2/25/2013	19.9	2076	7.11	-85	0.5	NR
MW-18	5/23/2013	19.6	2121	7.67	-16	1.06	NR
MW-18	8/26/2013	19.39	2441	7.03	-65.9	0.28	NR
MW-19	12/3/2008	13.7	735	7.20	219	2.2	0.13
MW-19	10/1/2009	15.6	3667	7.03	163	225	NR
MW-19	11/16/2009	15.96	3482	6.13	226	3.03	NR
MW-19	2/23/2010	15.81	4277	6.88	130	5.42	NR
MW-19	5/12/2010	6.4	8955	6.25	332.2	43.55	NR
MW-19	8/18/2010	17.28	3147	6.44	157	6.61	NR
MW-19	11/18/2010	16.99	4653	6.74	-25	3.71	NR
MW-19	3/1/2011	17.8	3992	6.77	30.8	2.81	NR
MW-19	5/19/2011	16.9	3750	7.05	14	2.61	NR
MW-19	8/28/2011	17.4	4618	6.59	47	4.7	NR
MW-19	11/21/2011	17.1	64	5.18	300	5.93	NR
MW-19	2/15/2012	17.33	3772	6.23	19.7	4.25	NR
MW-19	5/17/2012	9.9	4425	7.30	-3.4	7	NR
MW-19	9/26/2012	18.14	4655	6.71	17.3	8.16	NR
MW-19	12/19/2012	17	5054	6.71	-24	2.39	NR
MW-19	2/25/2013	17.9	6006	7.15	-10.3	2.12	NR
MW-19	5/23/2013	17.2	4673	6.63	-40	0.63	NR
MW-19	8/26/2013	17.54	5499	6.93	77.8	2.46	NR
MW-20	12/3/2008	13.1	753	7.47	139	1.8	3.279
MW-20	10/1/2009	17.5	4008	7.31	317	6.19	NR
MW-20	11/16/2009	17.31	3760	6.8	288	3.85	NR
MW-20	2/23/2010	16.82	4720	7.23	322	5.22	NR
MW-20	5/12/2010	17.96	2410	7.16	276	7.83	NR
MW-20	8/18/2010	18.3	4559	10.1	182	8	NR
MW-20	11/18/2010	18.39	4497	7.44	-62	3.88	NR
MW-20	3/1/2011	16.6	3505	6.42	9.6	2.43	NR
MW-20	5/19/2011	18.5	3788	7.27	7.2	2.17	NR
MW-20	8/28/2011	18.7	5102	7.12	82	6.24	NR
MW-20	11/21/2011	18.45	5491	5.19	253	1.89	NR
MW-20	2/15/2012	17.95	5192	6.99	-22	4.42	NR
MW-20	5/17/2012	9.9	726	7.02	-21	1.06	NR
MW-20	9/26/2012	18.4	4277	6.99	3.6	3.9	NR
MW-20	12/19/2012	18.4	4868	6.78	-3	0.33	NR
MW-20	2/25/2013	18.9	5812	7.04	-4.8	1.3	NR
MW-20	5/23/2013	19.35	6325	6.96	-12	2.83	NR
MW-20	8/26/2013	19.13	7554	6.88	63.6	4.04	NR
DPE-1	12/3/2008	14.5	735	8.02	-4.9	0.9	10.5
DPE-1	9/28/2009	18.1	2584	7.64	170	4.8	NR
DPE-1	11/16/2009	18.18	2595	7.52	173	4.98	NR
DPE-1	2/22/2010	17.9	1152	6.23	255.6	8.16	NR
DPE-1	5/13/2010	18.4	2428	6.41	248	8.05	NR
DPE-1	8/18/2010	19.3	2242	10.4	286	5.54	NR
DPE-1	12/23/2010	18.61	1982	5.96	-4.7	12.57	10.1
DPE-1	3/1/2011	18.2	990	7.6	14.2	4.02	6.4
DPE-1	5/19/2011	18.9	1677	8.42	-59	4.17	NR
DPE-1	8/28/2011	18.1	2162	7.01	3	4	NR
DPE-1	11/21/2011	18.4	16.21	7.69	-53	5.89	NR
DPE-1	2/16/2012	18.14	1381	7.08	-26	5.04	NR
DPE-1	5/17/2012	9.9	1023	7.83	-57	1.09	NR
DPE-1	9/26/2012	19.1	1170	8.5	-74	5.7	NR
DPE-1	12/19/2012	18.9	1205	7.95	-64	4.24	NR
DPE-1	2/26/2013	17.1	1321	7.09	-6	5.1	NR
DPE-1	5/23/2013	19.2	4945	7.69	-49	3.63	NR
DPE-1	8/26/2013	19.97	1858	7.49	168	4.11	NR

TABLE 12

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

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-2	12/3/2008	14.4	735	7.83	109	1.9	**2000**
DPE-2	9/28/2009	18.2	2440	8	81	7.82	NR
DPE-2	11/17/2009	18.15	4523	6.86	114	5.43	NR
DPE-2	2/22/2010	17.5	2751	7.75	283	4.57	NR
DPE-2	5/13/2010	18.1	2900	7.25	268	5.59	NR
DPE-2	8/18/2010	18.7	4401	10.4	258	5.07	NR
DPE-2	12/23/2010	17.6	962	7.09	-42	11.6	2.8
DPE-2	3/1/2011	18.6	1986	7.21	118	3.16	15.1
DPE-2	5/19/2011	18.4	1972	8	-38	2.75	NR
DPE-2	8/28/2011	18.2	3408	7.04	-62	3.6	NR
DPE-2	11/21/2011	18.5	2767	7.56	-46	2.02	NR
DPE-2	2/16/2012	18.6	1931	7.56	-51	2.37	NR
DPE-2	5/17/2012	18.9	2156	7.74	-61	4.37	NR
DPE-2	9/26/2012	19.2	943	7.9	-42	3.8	NR
DPE-2	12/19/2012	18.7	2440	7.7	-51	5.03	NR
DPE-2	2/26/2013	16.4	1062	7.10	-62	4.2	NR
DPE-2	5/23/2013	18.8	5181	7.52	-40	4.87	NR
DPE-2	8/26/2013	20.24	2245	7.49	134	4.41	NR
DPE-3	12/3/2008	13.4	735	7.96	127	2.5	1684
DPE-3	9/28/2009	17.3	7799	7.95	158	7.05	NR
DPE-3	11/17/2009	17.43	4442	7.1	208	3.32	NR
DPE-3	2/22/2010	15.4	4707	7.9	310	7.59	NR
DPE-3	5/13/2010	17.1	4484	7.62	270	7.36	NR
DPE-3	8/18/2010	18.4	4992	10.5	277	6.31	NR
DPE-3	12/23/2010	16.2	5922	7.15	17	16.23	28.2
DPE-3	3/1/2011	18.8	6621	7.19	-0.6	2.01	23.5
DPE-3	5/19/2011	17.2	4847	8.12	-44	5.76	NR
DPE-3	8/28/2011	NR	5894	7.61	-41	5.3	NR
DPE-3	11/21/2011	17.6	3012	7.54	-45	2.7	NR
DPE-3	2/16/2012	17.92	4634	7.07	-25	4.85	NR
DPE-3	5/17/2012	9.9	4383	7.45	-40	1.09	NR
DPE-3	9/26/2012	17	2777	8.3	-63	7.1	NR
DPE-3	12/19/2012	18.2	4487	7.14	-21	2.07	NR
DPE-3	2/26/2013	18.3	1114	7.11	-51	3.9	NR
DPE-3	5/23/2013	18.4	7742	7.02	-47	3.12	NR
DPE-3	8/26/2013	19.39	5878	6.98	156	3.47	NR
DPE-4	12/3/2008	13.5	735	7.84	114	1.9	**2000**
DPE-4	9/28/2009	17.14	3230	8.25	87.4	8.22	NR
DPE-4	11/17/2009	17.49	4057	7.16	285	5.2	NR
DPE-4	2/22/2010	17.4	2899	7.11	198	7.64	NR
DPE-4	5/13/2010	17.6	3362	7.88	242	8.61	NR
DPE-4	8/18/2010	18.3	3296	10.6	252	6.9	NR
DPE-4	12/23/2010	17.1	3227	7.46	3.9	NR	23.1
DPE-4	3/1/2011	18.8	874	7.18	144	1.9	11.5
DPE-4	5/19/2011	18.8	2168	8.21	-49	4.37	NR
DPE-4	8/28/2011	18.6	3318	7.63	-48	5.4	NR
DPE-4	11/21/2011	17.8	2265	7.38	-42	2.09	NR
DPE-4	2/16/2012	18.2	2692	7.5	-47	4.18	NR
DPE-4	5/17/2012	19.2	2579	7.45	-18	6.33	NR
DPE-4	9/26/2012	18.5	1891	8.1	-56	5.9	NR
DPE-4	12/19/2012	19.6	3637	6.62	-158	2.76	NR
DPE-4	2/26/2013	18.4	951	7.62	-46	4.4	NR
DPE-4	5/23/2013	19	4272	6.34	-73	1.78	NR
DPE-4	8/26/2013	20.05	3719	7.01	135	3.12	NR
DPE-5	12/3/2008	14.3	735	9.26	13	0.5	1.3
DPE-5	9/28/2009	17.06	2264	7.94	181	0.2	NR
DPE-5	11/17/2009	18.02	2921	7.58	204	4.15	NR
DPE-5	2/22/2010	16.7	3271	7.48	231	6.3	NR
DPE-5	5/13/2010	17.1	3115	7.92	274	7.54	NR
DPE-5	8/18/2010	18.3	2997	10.5	241	3.65	NR
DPE-5	12/23/2010	17.4	2216	7.12	-13	10.3	17.7
DPE-5	3/1/2011	18.5	776	7.21	22	2.87	0
DPE-5	5/19/2011	18.6	1008	8.15	-36	2.91	NR
DPE-5	8/28/2011	18.6	3219	6.69	-44	5.9	NR
DPE-5	11/21/2011	18.5	2939	7.76	-56	4.77	NR
DPE-5	2/16/2012	18.19	2280	7.95	-72	5.11	NR
DPE-5	5/17/2012	9.9	1767	7.85	-15	1.09	NR
DPE-5	9/26/2012	18.3	1972	8.5	-73	7.2	NR
DPE-5	12/19/2012	18.9	1886	9.28	-134	0.91	NR
DPE-5	2/26/2013	19.2	1801	7.21	-44	4.6	NR
DPE-5	5/23/2013	18.85	1528	7.91	-60	1.57	NR
DPE-5	8/26/2013	19.99	2163	7.07	174	2.93	NR

TABLE 12

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

Monitoring Well	Date Measured	Temp (Deg. C)	Conductivity @ 25 deg. C (uS/cm)	pH	Redox Potential (Eh)	Dissolved Oxygen	Head Space (ppm)
DPE-6	12/3/2008	14.6	735	8.12	67.1	1.9	1.2
DPE-6	9/28/2009	18.6	1086	8.39	98.6	9.8	NR
DPE-6	11/17/2009	18.7	1400	7.81	249	6.3	NR
DPE-6	2/22/2010	17.9	1248	7.81	213	5.42	NR
DPE-6	5/13/2010	18.4	1022	8.18	272	5.86	NR
DPE-6	8/18/2010	19.1	559	11.1	251	6.67	NR
DPE-6	11/18/2010	18.39	4497	7.44	-62	3.88	NR
DPE-6	12/23/2010	17.2	3341	7.11	-12	10.9	17.7
DPE-6	3/1/2011	17.9	1048	7.09	-16	2.04	6.2
DPE-6	5/19/2011	18.4	1162	8.22	-44	2.61	NR
DPE-6	8/28/2011	18.7	1800	6.82	-3	4.6	NR
DPE-6	11/21/2011	19.3	648	8.15	-76	3.49	NR
DPE-6	2/16/2012	19.07	590	7.9	-69	3.59	NR
DPE-6	5/17/2012	14.9	611	7.93	-23	6.43	NR
DPE-6	9/26/2012	19.6	461	8	50	4.3	NR
DPE-6	12/19/2012	19.6	695	7.49	-40	3.3	NR
DPE-6	2/26/2013	17.6	1726	6.91	-40	5.1	NR
DPE-6	5/23/2013	19.12	1414	7.86	-58	3.96	NR
DPE-6	8/26/2013	20.34	1006	6.97	167	2.73	NR
DPE-7	12/3/2008	15.2	735	7.95	92.8	0.4	2.5
DPE-7	9/28/2009	17.15	2216	7.01	196	2.14	NR
DPE-7	11/17/2009	19.01	2095	7.97	193	5.01	NR
DPE-7	2/22/2010	18.1	1354	7.84	209	5.31	NR
DPE-7	5/13/2010	18.5	1240	7.93	272	5.19	NR
DPE-7	8/18/2010	19.7	1012	11.1	276	4.13	NR
DPE-7	11/18/2010	19.19	2535	7.61	-71	3.54	NR
DPE-7	12/23/2010	17.3	5901	7.19	-18	9.6	10.7
DPE-7	3/1/2011	18.5	996	7.01	-8	1.96	0
DPE-7	5/19/2011	18.2	2472	8.09	-43	2.97	NR
DPE-7	8/28/2011	16.9	1602	7.72	-51	9.4	NR
DPE-7	11/21/2011	19.7	727	7.92	-64	3.48	NR
DPE-7	2/16/2012	19.3	1478	7.5	-48	2.5	NR
DPE-7	5/17/2012	19.3	1366	7.68	-22	4.76	NR
DPE-7	9/26/2012	19.9	747	7.8	40	4.3	NR
DPE-7	12/19/2012	20	1045	6.88	-8.6	3.04	NR
DPE-7	2/26/2013	18.4	1500	7.08	-49	3.2	NR
DPE-7	5/23/2013	19.6	2289	7.28	-28	2.98	NR
DPE-7	8/26/2013	1345	10.89	2005	6.49	159	NR
DPE-8	12/3/2008	13.6	753	7.52	165	1.4	1056
DPE-8	9/28/2009	17.31	2826	7.93	460	6.61	NR
DPE-8	11/17/2009	1678	3604	7.2	226	5.19	NR
DPE-8	2/22/2010	16.2	2661	7.82	227	7.15	NR
DPE-8	5/13/2010	17.8	2236	8.03	267	9.06	NR
DPE-8	8/18/2010	17.6	3115	11	262	6.68	NR
DPE-8	11/18/2010	NR	NR	NR	NR	NR	NR
DPE-8	12/23/2010	17.3	4162	NR	NR	NR	11.4
DPE-8	3/1/2011	18.4	872	6.92	21	1.87	0.8
DPE-8	5/19/2011	18.4	3649	7.21	1.7	2.22	NR
DPE-8	8/28/2011	18.7	5345	7.14	-20	4.09	NR
DPE-8	11/21/2011	18.55	5100	7.2	-28	3.38	NR
DPE-8	2/16/2012	NR*	NR*	NR*	NR*	NR*	NR*
DPE-8	5/17/2012	NR*	NR*	NR*	NR*	NR*	NR*
DPE-8	9/26/2012	NR*	NR*	NR*	NR*	NR*	NR*
DPE-8	12/19/2012	NR*	NR*	NR*	NR*	NR*	NR*
DPE-8	2/26/2013	NR*	NR*	NR*	NR*	NR*	NR*
DPE-8	2/25/2013	19.9	6720	7.35	-32	4.3	NR
DPE-8	8/26/2013	19.98	7601	6.65	186	2.82	NR

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

Attachments

Attachment A

Attachment A - Table 1

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

Date	Time	Extraction Well	DPE Pump Hours	Hours per Period	Days per Period	Flow Rate				DPE Air Flow (scf)	Pump Inlet Vacuum (in. Hg)	Post-MS-2 Vacuum (in. Hg)	Post-MS-1 Vacuum (in. Hg)	DPE Well/Pre-MS-1 Vacuum (in. Hg)		Pre-Manifold Vacuum (in. Hg)	DPE Well Casing Vacuum (in. H_2O)	DPE Pump Outlet Pressure		DPE Pump Outlet Temp. (Deg. F)		DPE Exhaust PID (ppm)	Extraction Well Bleed Valve % Open	DPE Pump Bleed Valve % Open	Comments
						Field (scfm)	Analog (scfm)	Analog (m^3/s)	Analog (acfm)					Analog	Field			Analog (psi)	Field (in H_2O)	Analog	Field				
6/29/2009	1640	DPE-1	88.0	88.0	NA	25	20.9	0.010	134.3	6,000	25.29	NA	NR	24.95	24.5	24.0	NR	0	0	229	200	NR	0	0	
9/4/2009	805	DPE-1	957.0	869.0	36.2	25	24.3	0.011	109.5	1,208,000	23.32	NA	9.4	9.66	9.8	9.1	86	0.02	0	307	310	34	100	0	DPE Pump Screen plugged
9/4/2009	946	DPE-1	957.0	0.0	0.0	40	36.1	0.017	120.5	1,209,000	21.01	NA	21.0	20.43	21.0	20.0	149	0	0	210	248	>4000	100	0	DPE & AS exhaust sampled
9/4/2009	1135	DPE-1	959.0	2.0	0.1	25	27.3	0.013	117.2	1,212,000	22.99	NA	22.5	22.70	22.5	22.5	>150	0	0	275	270	>4000	30	0	1 micron MS filter installed
10/15/2009	1120	DPE-1	1899.0	940.0	39.2	35	31.6	0.015	135.9	2,658,000	23.00	NA	22.5	22.22	22.5	22.5	>150	0	0	283	270	ND	20	0	Exhaust sampled
10/16/2009	621	DPE-1	1911.0	12.0	0.5	35	32.4	0.015	142.2	2,684,000	23.14	NA	22.5	22.35	22.5	22.0	>150	NR	0	291	299	ND	100	0	6-hr composite air sample collected
10/23/2009	922	DPE-3	1924.0	13.0	0.5	70	70.6	0.033	143.0	2,715,000	15.23	NA	14.1	14.58	14.0	13.8	90	0	NR	199	190	ND	100	0	
11/17/2009	1800	DPE-1	2361.0	437.0	18.2	30	28.6	0.013	144.2	3,992,000	24.02	NA	23.5	23.01	23.5	23.0	>150	0.00	0	301	300	>4000	100	0	6-hr composite air sample collected
12/17/2009	907	DPE-5	2960.0	599.0	25.0	NR	62.1	0.029	177.8	6,218,000	19.53	NA	19.0	18.70	18.9	18.9	155	0.00	0	247	248	850	NR	0	6-hr composite air sample collected
12/28/2009	1300	DPE-2	3228.0	268.0	11.2	60	60.7	0.029	187.9	7,333,000	20.31	NA	17.2	17.21	17.20	17.2	122	0.00	0	266	268	720	NR	0	
1/14/2010	923	DPE-5	3568.0	340.0	14.2	100	97.8	0.046	201.1	8,769,000	15.45	NA	14.9	14.46	NR	14.9	98	0.00	0	182	156	NR	NR	0	6-hr composite air sample collected
1/27/2010	NR	DPE-7	3789.0	221.0	9.2	75	88.6	0.042	215.3	9,633,000	17.68	NA	18.0	16.87	16.00	16.0	68	0.00	0	156	165	NR	NR	0	
2/22/2010	800	DPE-8	4161.0	372.0	15.5	105	101.5	0.048	224.8	11,221,000	16.49	NA	15.5	15.33	14.50	14.5	91	0.00	0	215	219	ND	NR	0	6-hr composite air sample collected
3/9/2010	NR	DPE-8	4472.0	311.0	13.0	105	103.6	0.049	226.1	12,597,000	16.29	NA	15.8	15.64	15.10	14.8	NR	0.00	NR	160	161	NR	NR	0	Pump inlet screen removed; DPE oil changed
3/25/2010[1]	742	DPE-2	4868.0	396.0	16.5	110	110.1	0.052	243.2	14,285,000	16.45	NA	16.1	15.66	15.10	14.9	165	0.02	0	251	248	105	100	0	6-hr composite air sample collected
4/16/2010	731	DPE-3	5308.0	440.0	18.3	72	72.7	0.034	218.0	16,587,000	20.00	18.5	18.5	19.21	18.00	18.0	130	0.03	0	255	251	17.5	100	0	6-hr composite air sample collected
5/12/2010	1330	DPE-5	5908.0	600.0	25.0	135	132.4	0.062	293.5	19,502,000	16.50	16.1	15.8	15.61	14.90	15.0	75	0.07	0	222	224	0.8	100	0	6-hr composite air sample collected
6/17/2010	1047	DPE-2	6768.0	860.0	35.8	35	36.9	0.017	146.6	22,356,000	22.43	22.5	22	21.38	21.00	21.0	210	0.08	0	287	276	8.5	100	0	6-hr composite air sample collected
7/26/2010	1100	DPE-8	7671.0	903.0	37.6	105	99.8	0.047	225.3	25,890,000	16.74	16.5	16.5	15.91	15.00	14.5	80	0.10	0	226	220	3.8	100	0	3-hr composite air sample collected due to flow controller malfunction
9/27/2010	1530	DPE-5	8222.0	551.0	23.0	135	122.7	0.058	257.6	28,334,000	15.75	15.0	15.0	14.93	14.00	14.0	90	0.02	0	211	210	>4000	100	0	30-minute composite air sample collected due to flow controller malfunction
10/18/2010	950	DPE-5	8662.0	440.0	18.3	130	128.3	0.061	275.4	30,379,000	16.06	15.1	15.1	15.31	15.00	15.0	100	0.00	0	200	198	ND	100	0	6-hr composite air sample collected
12/22/2010	1200	DPE-1	9378.0	716.0	29.8	50	51.5	0.024	219.8	37,039,000	22.95	NR	23.0	22.02	22.00	22.0	60	0.02	0	229	209	10.1	100	0	6-hr composite air sample collected
1/6/2011	800	DPE-1	9717.0	339.0	14.1	75	75.5	0.036	264.3	41,669,000	21.42	24.5	20.5	20.49	20.50	19.0	54	0.00	0	164	151	17.8	100	0	
1/20/2011	800	DPE-8	10034.0	317.0	13.2	120	119	0.056	252.2	44,097,000	15.88	15.0	15.0	15.12	NR	14.5	14	0.00	0	202	186	3.1	100	0	6-hr composite air sample collected
2/27/2011	1100	DPE-8	10969.0	935.0	39.0	100	103.6	0.049	257.7	48,884,000	17.96	18.0	16.5	17.07	16.50	16.5	84	0.00	0	224	218	0.8	100	0	6-hr composite air sample collected
3/7/2011	800	DPE-5	11014.0	45.0	1.9	115	117.8	0.056	271.7	49,157,000	17.02	NR	16.0	16.15	15.50	15.5	115	0.00	0	110	112	22.7	100	0	
3/18/2011	1330	DPE-1	11274.0	260.0	10.8	55	55	0.026	187.0	50,861,000	21.17	22.0	21.5	21.17	19.50	19.5	55	0.00	0	235	213	3.0	100	0	
3/23/2011	900	DPE-7	11277.0	3.0	0.1	75	72.7	0.034	188.6	50,872,000	18.45	18.5	17.0	17.44	16.00	16.5	30	0.00	0	209	185	8.6	100	0	6-hr composite air sample collected
4/22/2011	910	DPE-7	11995.0	718.0	29.9	75	72.7	0.034	191.4	53,741,000	18.62	18.5	17.5	17.70	17.00	17.0	29	0.02	0	240	250	5.4	100	0	6-hr composite air sample collected
5/3/2011	2100	DPE-5	12268.0	273.0	11.4	65	72.4	0.034	229.4	54,865,000	20.53	20.5	19.0	19.28	18.50	18.0	NR	0.00	0	165	168	NR	NR	NR	
5/5/2011	NR	DPE-4	12313.0	45.0	1.9	65	62.1	0.029	196.7	55,073,000	20.53	20.5	19.0	19.23	18.50	18.0	NR	0.00	0	155	149	NR	NR	NR	
5/19/2011	600	DPE-2	12645.0	332.0	13.8	40	40.9	0.019	165.5	56,604,000	22.57	22.5	22.0	21.34	19.30	19.0	125	0.00	0	234	239	7.1	100	0	6-hr composite air sample collected
6/16/2011	1200	DPE-1	13314.0	669.0	27.9	45	44	0.021	172.5	59,908,000	22.33	22.5	22.0	21.37	21.00	19.0	55	0.02	0	256	240	0.5	100	0	6-hr composite air sample collected
7/25/2011	900	DPE-1	14169.0	855.0	35.6	40	39	0.018	157.0	63,072,000	22.53	23.0	21.5	21.50	20.50	19.6	60	0.04	0	235	225	55.1	100	0	6-hr composite air sample collected
8/28/2011	1100	DPE-7	14962.0	793.0	33.0	70	68.4	0.032	200.7	66,305,000	19.78	19.5	17.0	18.71	18.00	18.1	49	0.00	0	244	225	0.0	100	0	6-hr composite air sample collected
9/29/2011	1140	DPE-4	15722.0	760.0	31.7	65	66	0.031	205.4	69,249,000	20.36	20.0	17.0	19.58	18.00	16.5	130	0.04	MF	245	225	2.8	100	0	6-hr composite air sample collected
10/18/2011	NR	DPE-4	15799.0	77.0	3.2	NR	66.7	0.031	210.4	69,540,000	20.49	NR	NR	19.83	NR	NR	NR	0.02	NR	221	NR	NR	100	0	
10/27/2011	800	DPE-2	16013.0	214.0	8.9	40	38.1	0.018	157.0	70,230,000	22.70	22.5	22.0	22.40	20.00	19.0	95	0.03	0	250	226	177.0	100	0	6-hr composite air sample collected
11/21/2011	1100	DPE-2	16619.0	606.0	25.3	40	39.2	0.018	161.5	72,526,000	22.70	22.5	21.5	22.50	19.00	18.9	151	0.03	0	256	238	365.0	100	0	6-hr composite air sample collected
1/20/2012	800	DPE-1	16879.0	260.0	10.8	50	44.7	0.021	101.9	73,361,000	16.87	16.5	15.0	16.83	14.50	14.5	50	0.00	0	201	196	5.7	100	0	
1/27/2012	900	DPE-2	17042.0	163.0	6.8	30	29.3	0.014	92.7	73,847,000	20.52	20.5	18.5	20.18	18.00	17.5	149	0.03	NR	245	224	6.4	100	0	6-hr composite air sample collected
2/16/2012	900	DPE-2	17520.0	478.0	19.9	30	27.5	0.013	104.4	75,246,000	22.08	22.0	21.0	21.64	18.00	18.5	151	0.02	0	262	235	6.0	100	0	6-hr composite air sample collected
3/16/2012	1100	DPE-4	18219.0	699.0	29.1	70	71.2	0.034	137.4	77,432,000	14.50	14.0	12.5	14.40	12.50	12.0	80	0.03	0	199	185	NA	100	0	6-hr composite air sample collected
3/27/2012	700	DPE-1	18443.0	224.0	9.3	30	29.2	0.014	101.0	78,086,000	21.32	21.0	19.5	20.73	19.00	18.5	48	0.00	0	146	148	10.3	100	0	
4/17/2012	1025	DPE-4	18964.0	521.0	21.7	30	31.3	0.015	91.7	79,504,000	19.76	19.5	18.0	19.21	18.00	17.5	130	0.02	0	229	220	13.4	100	0	6-hr composite air sample collected
5/17/2012	1000	DPE-8	19660.0	696.0	29.0	50	48.6	0.023	103.1	82,983,000	15.90	15.5	14.1	15.70	14.10	12.5	68	0.03	0	208	199	1.0	100	0	6-hr composite air sample collected
5/31/2012	1059	DPE-4	19950.0	290.0	12.1	30	25.5	0.012	81.8	83,649,000	20.65	20.0	MF	19.19	MF	MF	140	0.02	0	235	218	6.8	100	0	
6/14/2012	1017	DPE-4	20279.0	329.0	13.7	40	42	0.020	124.7	85,460,000	19.90	19.5	15.9	17.50	15.10	15.1	90	0.03	0	233	225	8.5	100	0	6-hr composite air sample collected
7/19/2012	1111	DPE-3	21119.0	840.0	35.0	50	49.6	0.023	139.7	86,992,000	19.36	18.5	14.5	15.67	15.00	15.0	126	0.05	0	239	226	15.6	100	0	6-hr composite air sample collected
8/23/2012	730	DPE-3	21872.0	753.0	31.4	35	36.1	0.017	116.6	89,163,000	20.71	20.0	10.5	10.87	11.50	11.5	75	0.00	0	240	220	NR	100	0	6-hr composite air sample collected
9/26/2012	2012	DPE-3	22695.0	823.0	34.3	46	45	0.021	126.2	91,533,000	19.31	18.5	17.0	17.95	18.50	18.5	135	0.04	0	237	220	11.3	100	0	6-hr composite air sample collected
10/26/2012	600	DPE-3	23397.0	702.0	29.3	50	45.8	0.022	128.1	93,568,000	19.28	18.5	17.0	18.32	17.00	17.0	130	0.04	0	241	220	12.2	100	0	6-hr composite air sample collected
12/21/2012	830	DPE-3	23442.0	45.0	1.9	50	49.6	0.023	144.4	93,698,000	19.70	19.0	17.0	16.60	19.00	18.0	125	0.02	0	216	200	97.0	100	0	6-hr composite air sample collected
1/4/2013	940	DPE-3	23665.0	223.0	9.3	45	429	0.202	1250.0	94,374,000	19.71	19.0	18.0	16.87	19.00	18.0	NR	0.00	0	98	115	21.7	100	0	
1/30/2013	600	DPE-3	24138.0	473.0	19.7	45	42.1	0.020	116.6	95,732,000	19.18	18.5	17.5	19.20	17.50	17.5	125	0.03	0	245	227	29.0	100	0	6-hr composite air sample collected
2/13/2013	800	DPE-2	24315.0	177.0	7.4	NR	35.2	0.017	132.2	96,215,000	22.00	NR	NR	18.99	NR	NR	NR	0.00	NR	182	NR	NR	100	0	
2/26/2013	600	DPE-2	24625.0	310.0	12.9	30	29.3	0.014	110.1	97,097,000	22.00	21.0	19.0	19.70	21.00	17.5	145	0.02	0	205	180	5.8	100	0	6-hr composite air sample collected
3/21/2013	800	DPE-1	25176.0	551.0	23.0	35	33.6	0.016	110.5	98,617,000	20.87	20.0	18.5	19.85	GF	18.0	37	0.02	0	230	208	10.6	100	0	6-hr composite air sample collected
5/23/2013	1600	DPE-3	25691.0	515.0	21.5	40	40	0.019	127.5	100,050,000	20.59	20.0	18.0	19.40	20.00	20.5	120	0.02	0	245	224	12.3	100	0	6-hr composite air sample collected
6/26/2013	1040	DPE-4	26501.0	810.0	33.8	60	56.3	0.027	179.3	102,418,000	20.58	20.0	18.0	20.39	21.00	21.0	90	0.03	0	246	220	1.4	100	0	6-hr composite air sample collected
8/26/2013	1730	DPE-4	27889.0	1388.0	57.8	190	164	0.077	309.0	108,474,000	14.13	12.0	9.5	13.52	16.00	16.0	130	0.08	0	200	211	1.4	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
GF: Gauge Failure

Attachment A - Table 2

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

Date	Time	MS Vacuum Valve hours	MS pump Hours	MS Pump Flow Totalizer (gal)		MS Pump Flow Rate (gpm)		MS Pump Pressure (psi)	Elevator Sump Water Flow (gal)		Comments
				Analog	Field	Analog	Field		Analog	Field	
6/29/2009	1640	49	48	8,464	8,473	NR	10.2	NR	300	NR	
9/4/2009	805	49	96	38,299	38,213	NP	12.0	21.0	300	500	
10/15/2009	1120	49	131	62,643	64,283	NP	11.8	44.0	300	500	
10/16/2009	621	49	131	62,886	NR	NP	NR	NR	300	500	
10/23/2009	922	49	132	63,113	NR	NR	NR	NR	300	500	
11/17/2009	1800	49	148	73,800	75,787	11.09	11.2	28.0	300	NR	
12/17/2009	907	49	175	89,800	92,293	NR	10.3	30.8	330	NR	
12/28/2009	1300	49	187	97,028	99,694	NR	11.0	NR	330	NR	
1/14/2010	923	49	202	106,024	108,984	NR	10.7	36.0	330	NR	
1/27/2010	NR	49	210	111,633	114,661	12.85	12.2	16.0	330	NR	
2/22/2010	8:00	49	232	122,167	128,552	12.90	12.9	14.0	330	500	
3/9/2010	NR	50	255	131,361	137,839	12.91	12.9	14.0	330	NR	
3/25/2010	742	50	270	141,405	148,206	NR	12.9	15.0	330	500	
4/16/2010	731	50	287	154,622	161,857	12.85	12.9	14.0	330	500	
5/12/2010	1330	50	308	170,079	177,797	12.83	12.9	14.0	330	500	
6/17/2010	1047	50	337	191,958	200,398	13.90	12.9	14.0	330	500	
7/26/2010	1100	50	371	217,314	226,504	12.94	13.1	15.0	330	500	
9/27/2010	1030	50	389	228,896	240,247	13.19	13.2	14.0	350	514	
10/18/2010	950	50	408	243,396	255,417	12.70	12.9	14.0	350	514	
12/22/2010	1200	50	445	270,572	283,957	12.85	12.9	14.0	450	514	
1/6/2011	NR	50	484	292,343	306,476	12.68	12.7	14.0	450	NR	
1/20/2011	800	50	504	314,178	328,912	12.84	12.8	14.0	460	514	
2/27/2011	1100	50	547	342,283	357,774	12.77	12.8	14.0	470	514	
3/7/2011	800	170	549	343,924	359,443	12.79	12.7	14.0	470	514	
3/18/2011	1330	170	562	350,182	369,445	13.30	12.5	17.0	470	514	
3/23/2011	900	171	562	350,324	369,603	12.60	12.6	20.0	470	514	
4/22/2011[1]	910	171	608	461,499	373,802	MF	MF	18.0	470	514	
5/3/2011	2100	171	625	462,745	MF	12.80	12.8	16.0	480	NR	
5/5/2011	NR	171	628	464,860	2,307	12.66	12.3	16.0	480	NR	
5/19/2011	600	171	650	480,836	18,817	12.50	12.6	16.0	480	514	
6/16/2011	1200	171	691	487,852	27,076	MF	MF	16.0	480	514	
7/25/2011	900	171	745	606,917	MF	14.21	14.4	25.0	490	541	
8/28/2011	1100	197	875	645,249	63,442	12.80	12.9	14.0	490	NA	
9/29/2011	1140	198	921	673,352	94,268	12.07	12.5	15.0	490	515	
10/18/2011	NR	199	978	681,235	NR	NR	NR	NR	560	NR	
10/27/2011[2]	800	199	992	694,330	115,245	11.60	12.0	15.0	560	541	
11/21/2011	1100	199	1040	716,049	143,520	12.08	12.2	16.5	NR	541	
1/20/2012	800	199	1057	725,742	153,493	12.60	12.7	18.0	610	541	
1/27/2012	900	199	1065	731,337	159,280	12.20	12.2	17.0	610	541	
2/16/2012	900	199	1090	746,725	175,164	10.10	10.0	16.0	610	541	
3/16/2012	1100	199	1127	757,124	184,976	12.40	12.5	20.0	610	541	
3/27/2012	700	200	1142	764,672	192,639	11.91	12.0	18.0	610	NR	
4/17/2012	1025	206	1201	783,561	210,594	12.20	12.2	21.0	610	541	
5/17/2012	1000	211	1255	809,091	236,394	11.96	12.0	21.0	610	541	
5/31/2012	1059	215	1290	819,567	NR	11.20	11.2	20.0	610	NR	
6/14/2012	1017	220	1335	830,565	256,390	10.90	11.0	26.0	610	541	
7/19/2012	1111	220	1364	835,414	260,681	9.80	9.8	35.0	610	541	
8/23/2012	730	302	1399	849,507	275,367	13.20	13.2	12.0	610	541	
9/26/2012	2012	302	1414	860,318	286,603	14.00	14.0	8.0	610	541	
10/26/2012	600	309	1536	951,486	300,594	11.80	12.0	16.0	610	541	
12/21/2012	830	385	1662	MF[3]	302,693	MF	MF	12.0	610	541	meter failure; DPE system shut down from Oct. 26 thru Dec. 21
1/4/2013	940	497	1735	1,523,769	309,790	48.00	MF	NR	610	541	
1/30/2013	600	640	1827	1,789,194	314,080	48.00	NA	12.0	610	541	
2/13/2013	800	684	1864	1,894,598	NR	12.00	NR	NR	NR	NR	
2/26/2013	600	684	1883	1,905,916	327,383	10.82	11.0	16.0	610	541	
3/21/2013	800	684	1916	1,925,225	347,509	11.30	10.8	18.0	610	541	
5/23/2013	1600	684	1950	1,941,137	363,736	12.60	12.3	15.0	610	541	
6/26/2013	1040	684	2035	1,954,470	374,605	1.80	9.0	14.0	610	541	
8/26/2013	1730	693	2201	1,981,481	NR	0.00	12.8	NR	610	541	

Notes:
NR: Not recorded.
NP: Not pumping
MF: Meter Failure
1. Discharge flowmeter malfunction caused invalid field totalizer reading; therefore, analog flow totalizer was used.
2. Analog flow totalizer reading estimated from field readings from Oct. 27 and Sept 29, 2011.
3. Flow meter and totalizer not working. The DPE system was off from Oct. 26 through Dec. 21, 2012; therefore, the volume discharged during this period was 0 gallons.

Attachment A - Table 3

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

Date	Time	AS Blower Hours	AS Discharge Pump Hours	AS Blower Pressure (in. H_2O)	AS Exhaust Pressure (in. H_2O)	AS Discharge Pump Pressure (psi)	AS Exhaust PID (ppm)	Comments
9/27/2010	1030	2578	192	18	7	25	ND	
10/18/2010	950	2742	204	24	5	18	ND	
12/22/2010	1200	3049	226	18	9	24	ND	
1/6/2011	800	NR	244	18	7	25	ND	
1/20/2011	800	3524	263	18	6	24	ND	
2/27/2011	1100	3867	288	17	9	26	ND	
3/7/2011	800	3885	289	18	9	25	ND	
3/18/2011	1330	4060	298	17	10	25	ND	
3/23/2011	900	4060	298	17	8	26	ND	
4/22/2011	910	4408	325	18	9	25	ND	
5/3/2011	2100	4540	335	18	NR	25	NR	
5/5/2011	NR	4564	336	18	NR	25	NR	
5/19/2011	600	4734	349	17	11	26	ND	
6/16/2011	1200	5140	374	17	NR	25	25.7	
7/25/2011	900	5575	405	17	8	25	4.3	
8/28/2011	1100	5892	432	16	9	26	0.0	
9/29/2011	1140	6332	455	17	7	25	0.0	
10/18/2011	NR	6398	458	NR	NR	NR	NR	
10/27/2011	800	6524	465	17	9	25	ND	
11/21/2011	1100	6884	485	17	9	24	ND	
1/20/2012	800	7025	493	16	9	25	ND	
1/27/2012	900	7103	498	16	8	25	ND	
2/16/2012	900	7329	510	17	9	24	ND	
3/16/2012	1100	7664	530	16	8	26	NR	
3/27/2012	700	7767	535	16	9	25	ND	
4/17/2012	1025	8019	549	16	10	24	ND	
5/17/2012	1000	8359	563	16	9	24	ND	
5/31/2012	1059	8498	574	16	8	NR	ND	
6/14/2012	1017	8602	586	17	9	18	ND	
7/19/2012	1111	8903	602	16	8	19	ND	
8/23/2012	730	9110	615	9	16	19	ND	
9/26/2012	2012	9268	626	16	9	19	ND	
10/26/2012	600	9527	638	17	11	NR	ND	
12/21/2012	830	9625	639	16	9	NR	ND	
1/4/2013	940	9777	644	17	9	16	ND	
1/30/2013	600	10054	658	16	9	19	ND	
2/13/2013	800	10788	665	NR	NR	NR	NR	
2/26/2013	600	10381	684	15	9	18	ND	
3/21/2013	800	10711	696	5	16	21	ND	
5/23/2013	1600	11032	714	19	8	16	ND	
6/26/2013	1040	11713	757	16	4	20	ND	
8/26/2013	1730	12844	823	16	8	18	ND	

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

Attachment A - Table 4

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

Date	DPE-1	DPE-2	DPE-3	DPE-4	DPE-5	DPE-6	DPE-7	DPE-8
7/9/2009	**129.0**	2.6	0.1	0.1	0.4	1.9	2.4	0.0
8/11/2009	**117.0**	0.0	0.0	0.8	0.0	2.2	2.9	0.0
9/4/2009	**86.0**	NR	NR	NR	NR	NR	NR	NR
9/4/2009	**149.0**	NR	NR	NR	NR	NR	NR	NR
9/4/2009	**>150**	NR	NR	NR	NR	NR	NR	NR
10/15/2009	**>150**	3.4	0.3	0.9	1.3	1.9	0.5	0.04
10/23/2009	0.001	0.002	**90.0**	0.001	0.002	0.002	0.003	0.001
11/17/2009	0.000	0.000	0.000	0.000	**>150**	0.000	0.000	0.000
2/22/2010	**48**	**200**	**128**	**99**	**90**	**108**	**70**	**91**
3/25/2010	**51**	**168**	**125**	**140**	**86**	**120**	**64**	**94**
4/16/2010	**48**	**210**	**130**	**130**	**98**	**88**	**55**	NA
5/12/2010	**51**	**195**	**127**	**87**	**75**	**148**	**68**	**86**
6/17/2010	**50**	**210**	**125**	**88**	**79**	**115**	**71**	**81**
7/26/10*	**10**	**158**	**126**	**148**	**100**	**115**	**70**	**80**
9/27/2010	**52**	**200**	**130**	**125**	**90**	**100**	**40**	**90**
10/18/2010	**60**	**151**	**126**	**85**	**100**	**110**	**31**	**60**
12/22/2010	**60**	**150**	**170**	**77**	**110**	**118**	**185**	**90**
1/6/2011	**54**	**149**	**120**	**148**	**75**	**98**	**30**	**70**
1/20/2011	**62**	**145**	**120**	**130**	**120**	**145**	**30**	**70**
2/27/2011	**35**	**145**	**98**	**64**	**74**	**138**	**32**	**84**
3/7/2011	**55**	**148**	**135**	**70**	**115**	**99**	**30**	**74**
3/18/2011	**55**	**148**	**150**	**130**	**115**	**100**	**35**	**80**
3/23/2011	**58**	**145**	**135**	**120**	**120**	**90**	**30**	**80**
4/22/2011	**68**	**150**	**125**	**128**	**120**	**100**	**29**	**80**
5/19/2011	**40**	**125**	**140**	**80**	**75**	**85**	**30**	**75**
6/16/2011	**55**	**200**	**125**	**130**	**120**	**100**	**40**	**85**
7/25/2011	**60**	**145**	**125**	**120**	**110**	**105**	**40**	**80**
8/28/2011	**58**	**158**	**130**	**140**	**120**	**100**	**49**	**75**
9/29/2011	**50**	**150**	**135**	**130**	**110**	**150**	**65**	**80**
10/27/2011	**50**	**150**	**124**	**89**	**100**	**128**	**48**	**74**
11/21/2011	**49**	**151**	**148**	**125**	**115**	**105**	**49**	**75**
1/20/2012	**50**	**115**	**98**	**75**	**100**	**98**	**33**	**65**
1/27/2012	**40**	**148**	**130**	**120**	**110**	**105**	**40**	**80**
2/16/2012	**40**	**151**	**147**	**128**	**110**	**108**	**50**	**80**
3/16/2012	**48**	**130**	**115**	**80**	**80**	**105**	**48**	**80**
3/27/2012	**48**	**150**	**125**	**120**	**110**	**100**	**28**	**78**
4/17/2012	**48**	**149**	**130**	**130**	**110**	**100**	**49**	**75**
5/17/2012	**42**	**98**	**126**	**90**	**100**	**98**	**30**	**68**
5/31/2012	**32**	**149**	**126**	**140**	**85**	**100**	**48**	**95**
6/14/2012	**35**	**130**	**126**	**90**	**90**	**120**	**50**	**80**
7/19/2012	**35**	**148**	**126**	**125**	**100**	**109**	**48**	**80**
8/23/2012	**27**	**112**	**75**	**95**	**78**	**75**	**25**	**60**
9/26/2012	**40**	**128**	**135**	**128**	**115**	**109**	**49**	**80**
10/26/2012	**50**	**120**	**130**	**115**	**80**	**100**	**45**	**75**
12/21/2012	**50**	**128**	**125**	**118**	**100**	**100**	**49**	**75**
1/30/2013	**55**	**125**	**125**	**115**	**100**	**100**	**40**	**75**
2/26/2013	**45**	**145**	**120**	**115**	**105**	**115**	**48**	**80**
3/21/2013	**37**	**148**	**127**	**125**	**98**	**120**	**49**	**80**
5/23/2013	**50**	**126**	**120**	**110**	**95**	**95**	**35**	**75**
6/26/2013	**45**	**115**	**125**	**90**	**115**	**80**	**30**	**60**
8/26/2013	**25**	**95**	**75**	**130**	**100**	**75**	**30**	**70**

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

Attachment A - Table 5

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

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-1	27-Oct-09	37.0	45.0	18.00
DPE-1	16-Nov-09	4,000.0	56.3	20.28
DPE-1	17-Dec-09	4,000.0	62.1	19.53
DPE-1	28-Dec-09	1,120.0	NR	NR
DPE-1	14-Jan-10	NR	NR	NR
DPE-1	22-Feb-10	914.0	35.0	22.5
DPE-1	25-Mar-10	868.0	40.0	23
DPE-1	16-Apr-10	287.0	40.0	22
DPE-1	12-May-10	9.9	45.0	23.5
DPE-1	17-Jun-10	32.1	30.0	22
DPE-1*	26-Jul-10	1.4	40.0	19
DPE-1	27-Sep-10	>1750	82.0	18.23
DPE-1	18-Oct-10	25.0	40.0	20
DPE-1	22-Dec-10	10.1	55.0	22.95
DPE-1	6-Jan-11	17.8	82.0	20.2
DPE-1	20-Jan-11	12.1	55.0	20.9
DPE-1	27-Feb-11	6.4	61.0	20.66
DPE-1	7-Mar-11	33.4	50.0	21.23
DPE-1	18-Mar-11	3.0	57.0	21.1
DPE-1	23-Mar-11	1.3	40.0	21
DPE-1	22-Apr-11	17.5	39.0	21.26
DPE-1	19-May-11	4.4	30.0	21.5
DPE-1	16-Jun-11	27.0	37.0	22
DPE-1	25-Jul-11	55.1	35.3	21.53
DPE-1	28-Aug-11	27.5	45.5	21.4
DPE-1	29-Sep-11	12.2	46.7	22.41
DPE-1	27-Oct-11	41.7	30.0	22.6
DPE-1	21-Nov-11	580.0	44.0	22.08
DPE-1	20-Jan-12	5.7	51.6	16.79
DPE-1	27-Jan-12	12.0	34.3	20.3
DPE-1	16-Feb-12	3.5	30.6	20.65
DPE-1	16-Mar-12	NA	23.0	21.14
DPE-1	27-Mar-12	10.5	29.6	20.73
DPE-1	17-Apr-12	11.3	25.5	21.05
DPE-1	17-May-12	13.1	16.0	20.9
DPE-1	31-May-12	31.4	24.0	20.12
DPE-1	14-Jun-12	6.9	37.0	19.4
DPE-1	19-Jul-12	10.9	40.9	18.6
DPE-1	23-Aug-12	13.6	30.9	14.4
DPE-1	26-Sep-12	6.9	30.4	19.11
DPE-1	26-Oct-12	6.2	27.0	13.65
DPE-1	21-Dec-12	66.0	31.0	17
DPE-1	4-Jan-13	42.7	NR	NR
DPE-1	30-Jan-13	43.4	26.0	18
DPE-1	13-Feb-13	64.8	NR	NR
DPE-1	25-Feb-13	10.8	36.0	20.35
DPE-1	21-Mar-13	10.6	37.0	18.2
DPE-1	23-May-13	18.6	30.6	18.8
DPE-1	26-Jun-13	11.3	27.0	20
DPE-1	26-Aug-13	0.3	184.3	16.98

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-2	27-Oct-09	50.6	40.0	19.00
DPE-2	16-Nov-09	0.0	39.0	22.13
DPE-2	17-Dec-09	11.8	NR	NR
DPE-2	28-Dec-09	720.0	NR	NR
DPE-2	14-Jan-10	NR	NR	NR
DPE-2	22-Feb-10	27.1	45.0	21.5
DPE-2	25-Mar-10	10.5	50.0	22
DPE-2	16-Apr-10	6.0	50.0	21
DPE-2	12-May-10	10.1	55.0	22
DPE-2	17-Jun-10	8.5	35.0	20
DPE-2	26-Jul-10	0.6	40.0	22
DPE-2	27-Sep-10	>4000	52.4	20.98
DPE-2	18-Oct-10	15.7	55.0	19
DPE-2	22-Dec-10	2.8	70.0	22.14
DPE-2	6-Jan-11	23.6	76.0	20.2
DPE-2	20-Jan-11	2.6	55.0	21.5
DPE-2	27-Feb-11	15.1	64.0	20.8
DPE-2	7-Mar-11	19.8	50.0	21.34
DPE-2	18-Mar-11	2.1	55.0	21.2
DPE-2	23-Mar-11	1.2	40.0	21
DPE-2	22-Apr-11	2.0	39.0	21.3
DPE-2	19-May-11	7.1	45.0	21
DPE-2	16-Jun-11	21.0	38.1	22.5
DPE-2	25-Jul-11	13.5	38.1	21.43
DPE-2	28-Aug-11	10.2	45.0	21.8
DPE-2	29-Sep-11	11.8	46.0	22.63
DPE-2	27-Oct-11	177.0	38.0	22
DPE-2	21-Nov-11	365.0	39.0	22.4
DPE-2	20-Jan-12	7.2	46.3	16.76
DPE-2	27-Jan-12	6.4	29.2	20.19
DPE-2	16-Feb-12	6.0	26.7	21.6
DPE-2	16-Mar-12	NA	30.0	21.5
DPE-2	27-Mar-12	14.5	25.5	21.5
DPE-2	17-Apr-12	6.4	21.6	21.69
DPE-2	17-May-12	12.1	20.4	20.87
DPE-2	31-May-12	21.2	20.0	20
DPE-2	14-Jun-12	5.0	29.0	19.7
DPE-2	19-Jul-12	5.4	31.5	18.7
DPE-2	23-Aug-12	3.6	36.0	10.8
DPE-2	26-Sep-12	4.3	31.3	19.18
DPE-2	26-Oct-12	4.6	29.0	16.8
DPE-2	21-Dec-12	56.0	32.0	17
DPE-2	4-Jan-13	48.1	NR	NR
DPE-2	30-Jan-13	9.4	25.0	19.5
DPE-2	13-Feb-13	25.7	NR	NR
DPE-2	25-Feb-13	5.8	29.0	20.5
DPE-2	21-Mar-13	8.2	26.0	19.7
DPE-2	23-May-13	12.7	24.7	19.2
DPE-2	26-Jun-13	3.0	34.0	20.7
DPE-2	26-Aug-13	0.4	186.1	15.12

Attachment A - Table 5

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

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-3	27-Oct-09	15.7	73.0	15.00
DPE-3	16-Nov-09	1,600.0	65.0	18.94
DPE-3	17-Dec-09	57.5	NR	NR
DPE-3	28-Dec-09	22.8	NR	NR
DPE-3	14-Jan-10	NR	NR	NR
DPE-3	22-Feb-10	43.4	70.0	19.5
DPE-3	25-Mar-10	31.4	70.0	19
DPE-3	16-Apr-10	17.5	75.0	18
DPE-3	12-May-10	23.7	80.0	20
DPE-3	17-Jun-10	18.1	55.0	18
DPE-3	26-Jul-10	0.0	65.0	17.5
DPE-3	27-Sep-10	>3260	68.6	19.5
DPE-3	18-Oct-10	36.4	85.0	17.5
DPE-3	22-Dec-10	28.2	78.0	21.75
DPE-3	6-Jan-11	23.9	109.0	18.5
DPE-3	20-Jan-11	4.5	77.0	18.6
DPE-3	27-Feb-11	23.3	82.0	18.8
DPE-3	7-Mar-11	25.6	55.0	20.1
DPE-3	18-Mar-11	8.4	65.0	18.7
DPE-3	23-Mar-11	5.8	65.0	18.5
DPE-3	22-Apr-11	31.3	66.0	18.5
DPE-3	19-May-11	8.0	65.0	19
DPE-3	16-Jun-11	34.0	60.1	20
DPE-3	25-Jul-11	23.2	63.2	18.24
DPE-3	28-Aug-11	62.8	71.0	19.4
DPE-3	29-Sep-11	18.7	73.6	19.53
DPE-3	27-Oct-11	201.0	70.6	19.2
DPE-3	21-Nov-11	429.0	68.0	19.6
DPE-3	20-Jan-12	16.2	52.3	16.03
DPE-3	27-Jan-12	4.2	50.6	17.8
DPE-3	16-Feb-12	16.8	43.0	18.09
DPE-3	16-Mar-12	NA	44.0	18.5
DPE-3	27-Mar-12	20.4	41.0	18.2
DPE-3	17-Apr-12	22.5	35.2	18.74
DPE-3	17-May-12	16.4	31.3	17.2
DPE-3	31-May-12	54.5	31.0	18.8
DPE-3	14-Jun-12	15.8	46.0	19
DPE-3	19-Jul-12	15.6	49.2	18.3
DPE-3	23-Aug-12	11.4	33.0	10.8
DPE-3	26-Sep-12	11.6	45.8	19.3
DPE-3	26-Oct-12	12.2	40.9	14.2
DPE-3	21-Dec-12	97.0	48.0	18
DPE-3	1-Apr-13	21.7	NR	NR
DPE-3	30-Jan-13	29.0	38.0	19.5
DPE-3	13-Feb-13	50.4	NR	NR
DPE-3	25-Feb-13	27.4	44.0	20.2
DPE-3	21-Mar-13	6.9	39.0	19.3
DPE-3	23-May-13	123.0	37.0	19.4
DPE-3	26-Jun-13	3.1	60.0	19.9
DPE-3	26-Aug-13	2.1	188.1	13.68

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-4	27-Oct-09	23.9	35.0	22.00
DPE-4	16-Nov-09	3.7	28.6	23.94
DPE-4	17-Dec-09	4,000.0	NR	NR
DPE-4	28-Dec-09	3.4	NR	NR
DPE-4	14-Jan-10	NR	NR	NR
DPE-4	22-Feb-10	13.5	60.0	20.5
DPE-4	25-Mar-10	55.3	55.0	22
DPE-4	16-Apr-10	4,000.0	70.0	18
DPE-4	12-May-10	7.0	70.0	21
DPE-4	17-Jun-10	0.0	45.0	21
DPE-4	26-Jul-10	19.0	60.0	20
DPE-4	27-Sep-10	>2300	58.3	20.28
DPE-4	18-Oct-10	ND	64.0	17.5
DPE-4	22-Dec-10	23.1	80.0	21.25
DPE-4	6-Jan-11	13.8	102.0	19
DPE-4	20-Jan-11	3.2	72.0	19
DPE-4	27-Feb-11	11.5	67.0	20.2
DPE-4	7-Mar-11	27.9	60.0	20.45
DPE-4	18-Mar-11	5.9	62.0	19
DPE-4	23-Mar-11	6.2	60.0	19.5
DPE-4	22-Apr-11	3.5	60.0	19.5
DPE-4	19-May-11	15.6	60.0	19.5
DPE-4	16-Jun-11	49.2	52.4	21
DPE-4	25-Jul-11	3.1	56.3	19.04
DPE-4	28-Aug-11	14.0	63.0	20.4
DPE-4	29-Sep-11	2.8	66.0	20.36
DPE-4	27-Oct-11	156.0	64.0	20.5
DPE-4	21-Nov-11	120.0	65.0	20
DPE-4	20-Jan-12	8.0	51.3	16.41
DPE-4	27-Jan-12	0.0	40.9	19.7
DPE-4	16-Feb-12	8.6	37.0	19.17
DPE-4	16-Mar-12	NA	35.0	19.6
DPE-4	27-Mar-12	14.6	35.0	19.4
DPE-4	17-Apr-12	13.0	31.5	19.48
DPE-4	17-May-12	0.5	60.1	14.2
DPE-4	31-May-12	6.8	27.0	19.34
DPE-4	14-Jun-12	8.5	38.0	19
DPE-4	19-Jul-12	8.5	40.9	18.04
DPE-4	23-Aug-12	3.3	34.0	12.6
DPE-4	26-Sep-12	5.0	42.0	12.45
DPE-4	26-Oct-12	0.8	30.9	17.3
DPE-4	21-Dec-12	51.0	43.0	20
DPE-4	4-Jan-13	30.4	NR	NR
DPE-4	30-Jan-13	25.0	35.0	19.7
DPE-4	13-Feb-13	46.7	NR	NR
DPE-4	25-Feb-13	12.6	40.0	20.1
DPE-4	21-Mar-13	3.2	36.0	20
DPE-4	23-May-13	64.3	39.0	17.2
DPE-4	26-Jun-13	1.2	56.0	20.3
DPE-4	26-Aug-13	1.4	141.6	18.82

Attachment A - Table 5

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

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-5	27-Oct-09	3.8	40.0	22.00
DPE-5	16-Nov-09	4,000.0	30.4	23.88
DPE-5	17-Dec-09	850.0	NR	NR
DPE-5	28-Dec-09	4,000.0	NR	NR
DPE-5	14-Jan-10	NR	NR	NR
DPE-5	22-Feb-10	ND	100.0	16
DPE-5	25-Mar-10	5.7	75.0	18
DPE-5	16-Apr-10	4,000.0	120.0	14.5
DPE-5	12-May-10	0.8	115.0	18
DPE-5	17-Jun-10	0.0	75.0	16
DPE-5	26-Jul-10	5.7	100.0	15
DPE-5	27-Sep-10	>4000	119.0	15.78
DPE-5	18-Oct-10	ND	125.0	15
DPE-5	22-Dec-10	17.7	150.0	15.8
DPE-5	6-Jan-11	1.5	130.0	17
DPE-5	20-Jan-11	12.8	109.0	15.5
DPE-5	27-Feb-11	0.0	104.0	16.9
DPE-5	7-Mar-11	22.7	117.0	16.15
DPE-5	18-Mar-11	3.3	95.0	15.8
DPE-5	23-Mar-11	4.1	90.0	16.5
DPE-5	22-Apr-11	3.8	96.0	15.9
DPE-5	19-May-11	11.2	85.0	16.5
DPE-5	16-Jun-11	50.8	72.7	18
DPE-5	25-Jul-11	0.2	79.3	15.86
DPE-5	28-Aug-11	0.7	93.0	17.2
DPE-5	29-Sep-11	6.4	104.6	16.87
DPE-5	27-Oct-11	197.0	90.0	17.8
DPE-5	21-Nov-11	270.0	97.6	16.9
DPE-5	20-Jan-12	0.0	70.7	15.29
DPE-5	27-Jan-12	0.0	67.8	15.48
DPE-5	16-Feb-12	2.2	59.0	15.5
DPE-5	16-Mar-12	NA	52.0	17.6
DPE-5	27-Mar-12	3.6	58.0	15.9
DPE-5	17-Apr-12	4.2	46.9	16.6
DPE-5	17-May-12	1.2	46.0	16.12
DPE-5	31-May-12	2.1	36.0	18.5
DPE-5	14-Jun-12	2.4	60.0	15
DPE-5	19-Jul-12	3.5	60.4	16.5
DPE-5	23-Aug-12	1.1	42.0	11.6
DPE-5	26-Sep-12	1.4	59.0	17.2
DPE-5	26-Oct-12	0.0	51.0	14.2
DPE-5	21-Dec-12	14.7	65.0	19
DPE-5	4-Jan-13	9.1	NR	NR
DPE-5	30-Jan-13	4.6	50.0	19
DPE-5	13-Feb-13	5.8	NR	NR
DPE-5	25-Feb-13	2.1	59.0	18.8
DPE-5	21-Mar-13	0.6	46.0	19.8
DPE-5	23-May-13	16.1	52.0	19
DPE-5	26-Jun-13	0.0	76.0	18.1
DPE-5	26-Aug-13	0.0	165.3	14.49

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-6	27-Oct-09	ND	55.0	17.00
DPE-6	16-Nov-09	4,000.0	66.9	18.78
DPE-6	17-Dec-09	1,680.0	NR	NR
DPE-6	28-Dec-09	901.0	NR	NR
DPE-6	14-Jan-10	NR	NR	NR
DPE-6	22-Feb-10	7.1	65.0	19
DPE-6	25-Mar-10	0.0	70.0	20
DPE-6	16-Apr-10	4,000.0	75.0	18.1
DPE-6	12-May-10	0.0	90.0	19
DPE-6	17-Jun-10	0.0	50.0	19
DPE-6	26-Jul-10	4.4	60.0	18
DPE-6	27-Sep-10	>4000	92.0	18.08
DPE-6	18-Oct-10	10.2	80.0	18.5
DPE-6	22-Dec-10	11.4	105.0	19.8
DPE-6	6-Jan-11	2.8	110.0	19
DPE-6	20-Jan-11	6.3	108.0	18
DPE-6	27-Feb-11	6.2	100.0	18.1
DPE-6	7-Mar-11	16.5	75.0	19.29
DPE-6	18-Mar-11	2.8	65.0	19
DPE-6	23-Mar-11	6.7	63.0	NR
DPE-6	22-Apr-11	5.6	57.0	19.6
DPE-6	19-May-11	7.6	60.0	19.5
DPE-6	16-Jun-11	48.2	53.5	19
DPE-6	25-Jul-11	2.5	56.3	19.21
DPE-6	28-Aug-11	4.8	62.0	20.6
DPE-6	29-Sep-11	6.6	69.8	20.26
DPE-6	27-Oct-11	127.0	65.0	20.1
DPE-6	21-Nov-11	40.0	62.0	20.4
DPE-6	20-Jan-12	0.0	57.8	16.12
DPE-6	27-Jan-12	0.0	46.7	18.49
DPE-6	16-Feb-12	0.9	37.8	18.68
DPE-6	16-Mar-12	NA	40.0	18.9
DPE-6	27-Mar-12	2.1	36.0	19.1
DPE-6	17-Apr-12	1.7	32.3	19.3
DPE-6	17-May-12	0.8	29.6	18.1
DPE-6	31-May-12	1.0	28.0	18.3
DPE-6	14-Jun-12	1.4	45.0	16
DPE-6	19-Jul-12	3.7	49.6	15.7
DPE-6	23-Aug-12	4.8	34.0	10.5
DPE-6	26-Sep-12	1.8	46.0	17.2
DPE-6	26-Oct-12	0.0	47.0	13.3
DPE-6	21-Dec-12	13.7	49.0	18
DPE-6	4-Jan-13	9.7	NR	NR
DPE-6	30-Jan-13	2.3	37.0	18.8
DPE-6	13-Feb-13	2.7	NR	NR
DPE-6	25-Feb-13	1.0	45.0	18.2
DPE-6	21-Mar-13	0.0	39.0	19.4
DPE-6	23-May-13	11.9	37.0	19.6
DPE-6	26-Jun-13	0.0	54.0	19
DPE-6	26-Aug-13	0.0	139.3	18.39

Attachment A - Table 5

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

Well ID	Date	PID (ppm)	DPE Exhaust Flow Rate (scfm)	DPE Pump Inlet Vacuum (in. Hg)
DPE-7	27-Oct-09	ND	60.0	16.00
DPE-7	16-Nov-09	4,000.0	75.5	17.70
DPE-7	17-Dec-09	490.0	NR	NR
DPE-7	28-Dec-09	905.0	NR	NR
DPE-7	14-Jan-10	NR	NR	NR
DPE-7	22-Feb-10	ND	80.0	17.5
DPE-7	25-Mar-10	0.0	90.0	17
DPE-7	16-Apr-10	4,000.0	115.0	11
DPE-7	12-May-10	0.0	110.0	18
DPE-7	17-Jun-10	0.0	70.0	18
DPE-7	26-Jul-10	0.1	75.0	17
DPE-7	27-Sep-10	>4000	96.7	17.18
DPE-7	18-Oct-10	ND	105.0	15.5
DPE-7	22-Dec-10	10.7	65.0	22
DPE-7	6-Jan-11	2.4	130.0	17.5
DPE-7	20-Jan-11	0.4	100.0	18.21
DPE-7	27-Feb-11	0.0	90.0	17.9
DPE-7	7-Mar-11	29.1	95.0	16.2
DPE-7	18-Mar-11	3.1	75.0	17
DPE-7	23-Mar-11	8.6	70.0	17.5
DPE-7	22-Apr-11	5.4	72.0	17.7
DPE-7	19-May-11	6.1	70.0	18
DPE-7	16-Jun-11	47.4	56.3	20
DPE-7	25-Jul-11	0.1	60.4	18.95
DPE-7	28-Aug-11	0.0	67.0	19.8
DPE-7	29-Sep-11	6.0	82.0	18.5
DPE-7	27-Oct-11	88.0	66.0	19.7
DPE-7	21-Nov-11	10.0	66.0	19.7
DPE-7	20-Jan-12	0.0	57.8	15.9
DPE-7	27-Jan-12	0.0	52.4	17.66
DPE-7	16-Feb-12	0.3	42.1	18.2
DPE-7	16-Mar-12	NA	46.0	17.9
DPE-7	27-Mar-12	0.2	48.0	17.4
DPE-7	17-Apr-12	0.7	34.3	18.8
DPE-7	17-May-12	0.6	32.3	17.16
DPE-7	31-May-12	0.5	30.0	18.4
DPE-7	14-Jun-12	0.8	49.0	17
DPE-7	19-Jul-12	2.2	53.5	15.72
DPE-7	23-Aug-12	1.1	30.0	11.3
DPE-7	26-Sep-12	0.2	50.0	17.3
DPE-7	26-Oct-12	0.0	47.0	13.6
DPE-7	21-Dec-12	8.7	53.0	18
DPE-7	4-Jan-13	5.6	NR	NR
DPE-7	30-Jan-13	0.8	40.0	18.8
DPE-7	13-Feb-13	0.5	NR	NR
DPE-7	25-Feb-13	0.3	46.0	18.6
DPE-7	21-Mar-13	0.3	39.0	19.3
DPE-7	23-May-13	7.9	40.0	19.7
DPE-7	26-Jun-13	0.0	56.0	20
DPE-7	26-Aug-13	0.0	142.3	18.53

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-8	27-Oct-09	ND	45.0	22.00
DPE-8	16-Nov-09	4,000.0	29.3	23.87
DPE-8	17-Dec-09	559.0	NR	NR
DPE-8	28-Dec-09	595.0	NR	NR
DPE-8	14-Jan-10	NR	NR	NR
DPE-8	22-Feb-10	ND	100.0	16
DPE-8	25-Mar-10	4,000.0	105.0	16
DPE-8	16-Apr-10	4,000.0	NA	NA
DPE-8	12-May-10	0.0	130.0	16.5
DPE-8	17-Jun-10	0.0	85.0	14
DPE-8	26-Jul-10	3.8	105.0	14.5
DPE-8	27-Sep-10	>4000	125.5	15.91
DPE-8	18-Oct-10	ND	65.0	19.5
DPE-8	22-Dec-10	11.4	150.0	15.08
DPE-8	6-Jan-11	10.2	140.0	16
DPE-8	20-Jan-11	3.1	128.0	15.92
DPE-8	27-Feb-11	0.8	97.0	17.8
DPE-8	7-Mar-11	44.6	95.0	17.5
DPE-8	18-Mar-11	3.1	80.0	16
DPE-8	23-Mar-11	7.4	90.0	15.5
DPE-8	22-Apr-11	5.1	97.0	15.1
DPE-8	19-May-11	4.9	75.0	17
DPE-8	16-Jun-11	52.3	81.3	17
DPE-8	25-Jul-11	0.5	87.0	15.4
DPE-8	28-Aug-11	0.0	104.0	15.38
DPE-8	29-Sep-11	0.3	108.0	16.7
DPE-8	27-Oct-11	79.8	102.0	16.9
DPE-8	21-Nov-11	0.6	94.0	17.3
DPE-8	20-Jan-12	0.6	72.7	15.22
DPE-8	27-Jan-12	0.0	71.0	15.06
DPE-8	16-Feb-12	0.9	63.6	15.2
DPE-8	16-Mar-12	NA	66.0	15.13
DPE-8	27-Mar-12	0.9	64.0	15.3
DPE-8	17-Apr-12	1.1	55.3	15.62
DPE-8	17-May-12	1.0	44.7	16.45
DPE-8	31-May-12	1.2	34.0	18.4
DPE-8	14-Jun-12	1.1	65.0	14
DPE-8	19-Jul-12	1.8	65.5	13.4
DPE-8	23-Aug-12	0.7	44.0	10.8
DPE-8	26-Sep-12	0.0	66.0	16.8
DPE-8	26-Oct-12	0.0	56.0	12.3
DPE-8	21-Dec-12	7.2	67.0	18
DPE-8	4-Jan-13	7.5	NR	NR
DPE-8	30-Jan-13	2.6	57.0	17
DPE-8	13-Feb-13	3.3	NR	NR
DPE-8	25-Feb-13	1.4	61.0	17.6
DPE-8	21-Mar-13	0.0	56.0	18.5
DPE-8	23-May-13	13.9	50.6	19.2
DPE-8	26-Jun-13	1.0	69.0	19.8
DPE-8	26-Aug-13	0.0	167.8	18.08

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

Attachment A - Table 6

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

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-1	23-Oct-09	21.9	14.88	7.02	4.6	21.8	0.1
DPE-1	27-Oct-09	21.9	14.54	7.36	4.8	21.9	0.0
DPE-1	16-Nov-09	21.9	14.45	7.45	4.9	21.9	0.0
DPE-1	17-Dec-09	21.9	15.13	6.77	4.4	21.8	0.1
DPE-1	14-Jan-10	21.9	15.53	6.37	4.2	21.0	0.9
DPE-1	22-Feb-10	21.9	12.22	9.68	6.3	21.9	0
DPE-1	25-Mar-10	21.9	15.72	6.18	4.0	20.9	1
DPE-1	16-Apr-10	21.9	15.88	6.02	3.9	20.34	1.56
DPE-1	12-May-10	21.9	16.48	5.42	3.5	21.8	0.1
DPE-1	17-Jun-10	21.9	16.62	5.28	3.4	NR	NR
DPE-1	18-Aug-10	21.9	16.8	5.1	3.3	22	-0.1
DPE-1	27-Sep-10	21.9	14.6	7.3	4.8	21.87	0.03
DPE-1	18-Nov-10	21.9	14.99	6.91	4.5	NR	NR
DPE-1	22-Dec-10	21.9	15.72	6.18	4.0	21.8	0.1
DPE-1	6-Jan-11	21.9	14.04	7.86	5.1	21.8	0.1
DPE-1	20-Jan-11	21.9	16.8	5.1	3.3	21.9	0
DPE-1	28-Feb-11	21.9	15.33	6.57	4.3	21.98	-0.08
DPE-1	7-Mar-11	21.9	17.27	4.63	3.0	22	-0.1
DPE-1	18-Mar-11	21.9	17.8	4.1	2.7	21.6	0.3
DPE-1	23-Mar-11	21.9	15.92	5.98	3.9	22	-0.1
DPE-1	22-Apr-11	21.9	16.61	5.29	3.5	21.8	0.1
DPE-1	19-May-11	21.9	14.59	7.31	4.8	21.2	0.7
DPE-1	16-Jun-11	21.9	15.12	6.78	4.4	21.84	0.06
DPE-1	25-Jul-11	21.9	14.35	7.55	4.9	21.14	0.76
DPE-1	28-Aug-11	21.9	13.04	8.86	5.8	21.6	0.3
DPE-1	29-Sep-11	21.9	15.89	6.01	3.9	21.89	0.01
DPE-1	18-Oct-11	21.9	14.89	7.01	4.6	21.5	0.4
DPE-1	27-Oct-11	21.9	16.65	5.25	3.4	21.8	0.1
DPE-1	21-Nov-11	21.9	17.4	4.5	2.9	21.2	0.7
DPE-1	20-Jan-12	21.9	15.39	6.51	4.2	21.9	0
DPE-1	27-Jan-12	21.9	17.19	4.71	3.1	21.8	0.1
DPE-1	16-Feb-12	21.9	18.28	3.62	2.4	21.7	0.2
DPE-1	16-Mar-12	21.9	19.3	2.6	1.7	21	0.9
DPE-1	27-Mar-12	21.9	17.95	3.95	2.6	21.6	0.3
DPE-1	17-Apr-12	21.9	16.67	5.23	3.4	21.8	0.1
DPE-1	17-May-12	21.9	16.93	4.97	3.2	21.1	0.8
DPE-1	14-Jun-12	21.9	17.05	4.85	3.2	21.6	0.3
DPE-1	19-Jul-12	21.9	17.54	4.36	2.8	21.8	0.1
DPE-1	23-Aug-12	21.9	16.68	5.22	3.4	21.6	0.3
DPE-1	26-Sep-12	21.9	16.41	5.49	3.6	16.5	5.4
DPE-1	26-Oct-12	21.9	16.75	5.15	3.4	22	-0.1
DPE-1	21-Dec-12	21.9	15.84	6.06	4.0	21.9	0
DPE-1	30-Jan-13	21.9	17.86	4.04	2.6	21.6	0.3
DPE-1	26-Feb-13	21.9	16.94	4.96	3.2	21.6	0.3
DPE-1	21-Mar-13	21.9	18.4	3.5	2.3	21.9	0
DPE-1	23-May-13	21.9	11.34	10.56	6.9	21.9	0
DPE-1	26-Jun-13	21.9	13.84	8.06	5.3	21.95	-0.05
DPE-1	26-Aug-13	21.9	15.68	6.22	4.1	21.9	0

Attachment A - Table 6

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

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-2	23-Oct-09	20.5	15.53	4.97	3.2	19.95	0.55
DPE-2	27-Oct-09	20.5	16.35	4.15	2.7	20.51	-0.01
DPE-2	16-Nov-09	20.5	15.19	5.31	3.5	20.8	-0.3
DPE-2	17-Dec-09	20.5	15.69	4.81	3.1	20.4	0.1
DPE-2	14-Jan-10	20.5	16.04	4.46	2.9	20.15	0.35
DPE-2	22-Feb-10	20.5	14.19	6.31	4.1	20.5	0
DPE-2	25-Mar-10	20.5	15.5	5	3.3	20	0.5
DPE-2	16-Apr-10	20.5	16.31	4.19	2.7	20.2	0.3
DPE-2	12-May-10	20.5	16.31	4.19	2.7	20.3	0.2
DPE-2	17-Jun-10	20.5	17.09	3.41	2.2	NR	NR
DPE-2	18-Aug-10	20.5	17.58	2.92	1.9	20	0.5
DPE-2	27-Sep-10	20.5	14.92	5.58	3.6	20.5	0
DPE-2	18-Nov-10	20.5	14.79	5.71	3.7	NR	NR
DPE-2	22-Dec-10	20.5	15.72	4.78	3.1	20.3	0.2
DPE-2	6-Jan-11	20.5	14.42	6.08	4.0	20.6	-0.1
DPE-2	20-Jan-11	20.5	14.98	5.52	3.6	20.2	0.3
DPE-2	28-Feb-11	20.5	14.88	5.62	3.7	20	0.5
DPE-2	7-Mar-11	20.5	15.22	5.28	3.4	20.6	-0.1
DPE-2	18-Mar-11	20.5	15.41	5.09	3.3	20.6	-0.1
DPE-2	23-Mar-11	20.5	13.62	6.88	4.5	20.3	0.2
DPE-2	22-Apr-11	20.5	14.51	5.99	3.9	20.1	0.4
DPE-2	19-May-11	20.5	14.78	5.72	3.7	20.6	-0.1
DPE-2	16-Jun-11	20.5	15	5.5	3.6	20.25	0.25
DPE-2	25-Jul-11	20.5	14.83	5.67	3.7	20.15	0.35
DPE-2	28-Aug-11	20.5	17.81	2.69	1.8	20.2	0.3
DPE-2	29-Sep-11	20.5	15.78	4.72	3.1	20.5	0
DPE-2	18-Oct-11	20.5	14.78	5.72	3.7	20.5	0
DPE-2	27-Oct-11	20.5	15.94	4.56	3.0	20.1	0.4
DPE-2	21-Nov-11	20.5	16.49	4.01	2.6	20.4	0.1
DPE-2	20-Jan-12	20.5	15.94	4.56	3.0	20.5	0
DPE-2	27-Jan-12	20.5	16.98	3.52	2.3	21	-0.5
DPE-2	16-Feb-12	20.5	17.06	3.44	2.2	20	0.5
DPE-2	16-Mar-12	20.5	17.04	3.46	2.3	20.5	0
DPE-2	27-Mar-12	20.5	16.29	4.21	2.7	20.4	0.1
DPE-2	17-Apr-12	20.5	16.76	3.74	2.4	20.6	-0.1
DPE-2	17-May-12	20.5	16.63	3.87	2.5	20.4	0.1
DPE-2	14-Jun-12	20.5	17.1	3.4	2.2	20.2	0.3
DPE-2	19-Jul-12	20.5	17.79	2.71	1.8	20.6	-0.1
DPE-2	23-Aug-12	20.5	16.9	3.6	2.4	20.6	-0.1
DPE-2	26-Sep-12	20.5	16.99	3.51	2.3	17	3.5
DPE-2	26-Oct-12	20.5	17.01	3.49	2.3	20.4	0.1
DPE-2	21-Dec-12	20.5	16.13	4.37	2.9	16	4.5
DPE-2	30-Jan-13	20.5	17.41	3.09	2.0	20.5	0
DPE-2	26-Feb-13	20.5	17.2	3.3	2.2	20.6	-0.1
DPE-2	21-Mar-13	20.5	17.33	3.17	2.1	20	0.5
DPE-2	23-May-13	20.5	12.15	8.35	5.5	20.6	-0.1
DPE-2	26-Jun-13	20.5	13.81	6.69	4.4	20.6	-0.1
DPE-2	26-Aug-13	20.5	15.42	5.08	3.3	20.5	0

Attachment A - Table 6

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

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-3	23-Oct-09	17.1	14.76	2.34	1.5	17.5	-0.4
DPE-3	27-Oct-09	17.1	14.51	2.59	1.7	17.8	-0.7
DPE-3	16-Nov-09	17.1	14.59	2.51	1.6	17.5	-0.4
DPE-3	17-Dec-09	17.1	15.28	1.82	1.2	17.2	-0.1
DPE-3	14-Jan-10	17.1	16.52	0.58	0.4	17.1	0.0
DPE-3	22-Feb-10	17.1	15.29	1.81	1.2	17.3	-0.2
DPE-3	25-Mar-10	17.1	15.68	1.42	0.9	18.3	-1.2
DPE-3	16-Apr-10	17.1	15.8	1.3	0.8	19.41	-2.31
DPE-3	12-May-10	17.1	16.26	0.84	0.5	17.2	-0.1
DPE-3	17-Jun-10	17.1	16.43	0.67	0.4	NR	NR
DPE-3	18-Aug-10	17.1	17.2	-0.1	-0.1	17	0.1
DPE-3	27-Sep-10	17.1	14.29	2.81	1.8	19.35	-2.25
DPE-3	18-Nov-10	17.1	14.62	2.48	1.6	NR	NR
DPE-3	22-Dec-10	17.1	15.62	1.48	1.0	17.1	0
DPE-3	6-Jan-11	17.1	14.5	2.6	1.7	17	0.1
DPE-3	20-Jan-11	17.1	14.99	2.11	1.4	17.3	-0.2
DPE-3	28-Feb-11	17.1	15.22	1.88	1.2	17.18	-0.08
DPE-3	7-Mar-11	17.1	15.2	1.9	1.2	17.2	-0.1
DPE-3	18-Mar-11	17.1	15.57	1.53	1.0	17.2	-0.1
DPE-3	23-Mar-11	17.1	13.88	3.22	2.1	17.2	-0.1
DPE-3	22-Apr-11	17.1	14.51	2.59	1.7	17.2	-0.1
DPE-3	19-May-11	17.1	14.96	2.14	1.4	17	0.1
DPE-3	16-Jun-11	17.1	15.83	1.27	0.8	19.2	-2.1
DPE-3	25-Jul-11	17.1	14.11	2.99	2.0	19.2	-2.1
DPE-3	28-Aug-11	17.1	15.88	1.22	0.8	17.3	-0.2
DPE-3	29-Sep-11	17.1	16.56	0.54	0.4	17.1	0
DPE-3	18-Oct-11	17.1	14.89	2.21	1.4	17.3	-0.2
DPE-3	27-Oct-11	17.1	16.82	0.28	0.2	17.5	-0.4
DPE-3	21-Nov-11	17.1	16.51	0.59	0.4	17.2	-0.1
DPE-3	20-Jan-12	17.1	16.15	0.95	0.6	17	0.1
DPE-3	27-Jan-12	17.1	17.6	-0.5	-0.3	17.3	-0.2
DPE-3	16-Feb-12	17.1	17.9	-0.8	-0.5	17.6	-0.5
DPE-3	16-Mar-12	17.1	17.51	-0.41	-0.3	17.2	-0.1
DPE-3	27-Mar-12	17.1	16.38	0.72	0.5	17.2	-0.1
DPE-3	17-Apr-12	17.1	17.28	-0.18	-0.1	17.1	0
DPE-3	17-May-12	17.1	17.08	0.02	0.0	NR	NR
DPE-3	14-Jun-12	17.1	17.42	-0.32	-0.2	17.4	-0.3
DPE-3	19-Jul-12	17.1	16.61	0.49	0.3	17	0.1
DPE-3	23-Aug-12	17.1	17.2	-0.1	-0.1	17.3	-0.2
DPE-3	26-Sep-12	17.1	17.2	-0.1	-0.1	17	0.1
DPE-3	26-Oct-12	17.1	17.29	-0.19	-0.1	17.3	-0.2
DPE-3	21-Dec-12	17.1	16.36	0.74	0.5	17	0.1
DPE-3	30-Jan-13	17.1	18.33	-1.23	-0.8	17	0.1
DPE-3	26-Feb-13	17.1	18.14	-1.04	-0.7	17	0.1
DPE-3	21-Mar-13	17.1	17.78	-0.68	-0.4	17.6	-0.5
DPE-3	23-May-13	17.1	11.68	5.42	3.5	17.2	-0.1
DPE-3	26-Jun-13	17.1	14.99	2.11	1.4	17	0.1
DPE-3	26-Aug-13	17.1	15.51	1.59	1.0	17	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-4	23-Oct-09	19.3	14.81	4.49	2.9	19.71	-0.41
DPE-4	27-Oct-09	19.3	14.58	4.72	3.1	19.8	-0.5
DPE-4	16-Nov-09	19.3	14.48	4.82	3.1	19.63	-0.33
DPE-4	17-Dec-09	19.3	15.44	3.86	2.5	19.3	0.0
DPE-4	14-Jan-10	19.3	16.08	3.22	2.1	19.6	-0.3
DPE-4	22-Feb-10	19.3	16.08	3.22	2.1	19.0	0.3
DPE-4	25-Mar-10	19.3	16.22	3.08	2.0	20.05	-0.75
DPE-4	16-Apr-10	19.3	16.21	3.09	2.0	20.10	-0.8
DPE-4	12-May-10	19.3	16.86	2.44	1.6	19.70	-0.4
DPE-4	17-Jun-10	19.3	16.83	2.47	1.6	NR	NR
DPE-4	18-Aug-10	19.3	16.74	2.56	1.7	19.60	-0.3
DPE-4	27-Sep-10	19.3	14.74	4.56	3.0	19.73	-0.43
DPE-4	18-Nov-10	19.3	14.93	4.37	2.9	NR	NR
DPE-4	22-Dec-10	19.3	14.89	4.41	2.9	19.20	0.1
DPE-4	6-Jan-11	19.3	14.61	4.69	3.1	19.10	0.2
DPE-4	20-Jan-11	19.3	15.15	4.15	2.7	19.00	0.3
DPE-4	28-Feb-11	19.3	15.3	4	2.6	19.2	0.1
DPE-4	7-Mar-11	19.3	15.62	3.68	2.4	19.6	-0.3
DPE-4	18-Mar-11	19.3	15.62	3.68	2.4	19.6	-0.3
DPE-4	23-Mar-11	19.3	14.04	5.26	3.4	19.2	0.1
DPE-4	22-Apr-11	19.3	14.64	4.66	3.0	19.6	-0.3
DPE-4	19-May-11	19.3	15.8	3.5	2.3	17.3	2
DPE-4	16-Jun-11	19.3	15.02	4.28	2.8	19.73	-0.43
DPE-4	25-Jul-11	19.3	14.49	4.81	3.1	17.7	1.6
DPE-4	28-Aug-11	19.3	16.58	2.72	1.8	19.6	-0.3
DPE-4	29-Sep-11	19.3	16.42	2.88	1.9	19.3	0
DPE-4	18-Oct-11	19.3	14.98	4.32	2.8	19.5	-0.2
DPE-4	27-Oct-11	19.3	16.64	2.66	1.7	19.4	-0.1
DPE-4	21-Nov-11	19.3	17.11	2.19	1.4	19.1	0.2
DPE-4	20-Jan-12	19.3	16.08	3.22	2.1	19	0.3
DPE-4	27-Jan-12	19.3	17.45	1.85	1.2	19.3	0
DPE-4	16-Feb-12	19.3	17.76	1.54	1.0	19.2	0.1
DPE-4	16-Mar-12	19.3	17.7	1.6	1.0	19.3	0
DPE-4	27-Mar-12	19.3	16.29	3.01	2.0	19.4	-0.1
DPE-4	17-Apr-12	19.3	17.61	1.69	1.1	19.6	-0.3
DPE-4	17-May-12	19.3	18.44	0.86	0.6	19.2	0.1
DPE-4	14-Jun-12	19.3	18.41	0.89	0.6	19	0.3
DPE-4	19-Jul-12	19.3	18.08	1.22	0.8	19.6	-0.3
DPE-4	23-Aug-12	19.3	17.12	2.18	1.4	19	0.3
DPE-4	26-Sep-12	19.3	17.14	2.16	1.4	19	0.3
DPE-4	26-Oct-12	19.3	17.24	2.06	1.3	19.46	-0.16
DPE-4	21-Dec-12	19.3	16.38	2.92	1.9	19.4	-0.1
DPE-4	30-Jan-13	19.3	17.73	1.57	1.0	19.3	0
DPE-4	26-Feb-13	19.3	17.67	1.63	1.1	19.3	0
DPE-4	21-Mar-13	19.3	17.76	1.54	1.0	19.1	0.2
DPE-4	23-May-13	19.3	12.22	7.08	4.6	19.2	0.1
DPE-4	26-Jun-13	19.3	14.46	4.84	3.2	19.6	-0.3
DPE-4	26-Aug-13	19.3	15.59	3.71	2.4	19.2	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-5	23-Oct-09	18.1	13.78	4.32	2.8	18.5	-0.4
DPE-5	27-Oct-09	18.1	13.52	4.58	3.0	18.7	-0.6
DPE-5	16-Nov-09	18.1	NR	NR	NR	18.1	0.0
DPE-5	14-Jan-10	18.1	15	3.1	2.0	19.2	-1.1
DPE-5	22-Feb-10	18.1	15.01	3.09	2.0	18.2	-0.1
DPE-5	25-Mar-10	18.1	16.42	1.68	1.1	18.7	-0.6
DPE-5	16-Apr-10	18.1	15.54	2.56	1.7	18.65	-0.55
DPE-5	12-May-10	18.1	15.98	2.12	1.4	18.1	0
DPE-5	17-Jun-10	18.1	17.21	0.89	0.6	NR	NR
DPE-5	18-Aug-10	18.1	16.55	1.55	1.0	18.2	-0.1
DPE-5	27-Sep-10	18.1	13.73	4.37	2.9	18.1	0
DPE-5	18-Nov-10	18.1	14.19	3.91	2.6	NR	NR
DPE-5	22-Dec-10	18.1	15.41	2.69	1.8	18.1	0
DPE-5	6-Jan-11	18.1	14.14	3.96	2.6	18.3	-0.2
DPE-5	20-Jan-11	18.1	15.38	2.72	1.8	18	0.1
DPE-5	28-Feb-11	18.1	15.38	2.72	1.8	17.98	0.12
DPE-5	7-Mar-11	18.1	16.81	1.29	0.8	17.9	0.2
DPE-5	18-Mar-11	18.1	15.03	3.07	2.0	18	0.1
DPE-5	23-Mar-11	18.1	13.08	5.02	3.3	18.2	-0.1
DPE-5	22-Apr-11	18.1	16.26	1.84	1.2	18.3	-0.2
DPE-5	19-May-11	18.1	14.32	3.78	2.5	18.4	-0.3
DPE-5	16-Jun-11	18.1	14.73	3.37	2.2	18.44	-0.34
DPE-5	25-Jul-11	18.1	13.59	4.51	2.9	18.5	-0.4
DPE-5	28-Aug-11	18.1	16.28	1.82	1.2	18	0.1
DPE-5	29-Sep-11	18.1	15.35	2.75	1.8	18.4	-0.3
DPE-5	18-Oct-11	18.1	14.24	3.86	2.5	18	0.1
DPE-5	27-Oct-11	18.1	16.46	1.64	1.1	18	0.1
DPE-5	21-Nov-11	18.1	17.18	0.92	0.6	18	0.1
DPE-5	20-Jan-12	18.1	15.39	2.71	1.8	18	0.1
DPE-5	27-Jan-12	18.1	16.44	1.66	1.1	18.1	0
DPE-5	16-Feb-12	18.1	17.42	0.68	0.4	18	0.1
DPE-5	16-Mar-12	18.1	17.41	0.69	0.5	18.5	-0.4
DPE-5	27-Mar-12	18.1	15.62	2.48	1.6	18	0.1
DPE-5	17-Apr-12	18.1	17.08	1.02	0.7	18.3	-0.2
DPE-5	17-May-12	18.1	16.65	1.45	0.9	18.3	-0.2
DPE-5	14-Jun-12	18.1	16.95	1.15	0.8	18.2	-0.1
DPE-5	19-Jul-12	18.1	17.22	0.88	0.6	18.5	-0.4
DPE-5	23-Aug-12	18.1	16.22	1.88	1.2	18.4	-0.3
DPE-5	26-Sep-12	18.1	16.31	1.79	1.2	18	0.1
DPE-5	26-Oct-12	18.1	16.41	1.69	1.1	18	0.1
DPE-5	21-Dec-12	18.1	15.74	2.36	1.5	18.2	-0.1
DPE-5	30-Jan-13	18.1	17.21	0.89	0.6	18	0.1
DPE-5	26-Feb-13	18.1	16.81	1.29	0.8	18.2	-0.1
DPE-5	21-Mar-13	18.1	17.48	0.62	0.4	18	0.1
DPE-5	23-May-13	18.1	11.18	6.92	4.5	18	0.1
DPE-5	26-Jun-13	18.1	14.9	3.2	2.1	18	0.1
DPE-5	26-Aug-13	18.1	15.79	2.31	1.5	18.3	-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-6	23-Oct-09	19.5	14.56	4.94	3.2	19.8	-0.3
DPE-6	27-Oct-09	19.5	14.31	5.19	3.4	19.5	0.0
DPE-6	16-Nov-09	19.5	14.24	5.26	3.4	19.52	-0.02
DPE-6	17-Dec-09	19.5	14.84	4.66	3.0	19.8	-0.3
DPE-6	14-Jan-10	19.5	15.14	4.36	2.8	19.8	-0.3
DPE-6	22-Feb-10	19.5	15.61	3.89	2.5	19.1	0.4
DPE-6	25-Mar-10	19.5	15.24	4.26	2.8	19.5	0
DPE-6	16-Apr-10	19.5	15.48	4.02	2.6	19.4	0.1
DPE-6	12-May-10	19.5	16.02	3.48	2.3	19.4	0.1
DPE-6	17-Jun-10	19.5	15.98	3.52	2.3	NR	NR
DPE-6	18-Aug-10	19.5	16.56	2.94	1.9	19.3	0.2
DPE-6	27-Sep-10	19.5	13.98	5.52	3.6	19.3	0.2
DPE-6	18-Nov-10	19.5	14.24	5.26	3.4	NR	NR
DPE-6	22-Dec-10	19.5	14.89	4.61	3.0	19.2	0.3
DPE-6	6-Jan-11	19.5	13.96	5.54	3.6	19.3	0.2
DPE-6	20-Jan-11	19.5	14.2	5.3	3.5	19.2	0.3
DPE-6	28-Feb-11	19.5	14.31	5.19	3.4	NR	NR
DPE-6	7-Mar-11	19.5	14.8	4.7	3.1	19.3	0.2
DPE-6	18-Mar-11	19.5	14.87	4.63	3.0	19.4	0.1
DPE-6	23-Mar-11	19.5	14.08	5.42	3.5	19.4	0.1
DPE-6	22-Apr-11	19.5	13.52	5.98	3.9	19.4	0.1
DPE-6	19-May-11	19.5	14.09	5.41	3.5	19.1	0.4
DPE-6	16-Jun-11	19.5	14.3	5.2	3.4	19.3	0.2
DPE-6	25-Jul-11	19.5	14.64	4.86	3.2	19.3	0.2
DPE-6	28-Aug-11	19.5	15.38	4.12	2.7	19.5	0
DPE-6	29-Sep-11	19.5	15.57	3.93	2.6	19.3	0.2
DPE-6	18-Oct-11	19.5	14.2	5.3	3.5	19.8	-0.3
DPE-6	27-Oct-11	19.5	15.64	3.86	2.5	19.8	-0.3
DPE-6	21-Nov-11	19.5	15.81	3.69	2.4	19.8	-0.3
DPE-6	20-Jan-12	19.5	15.39	4.11	2.7	19.6	-0.1
DPE-6	27-Jan-12	19.5	16.29	3.21	2.1	19.6	-0.1
DPE-6	16-Feb-12	19.5	16.28	3.22	2.1	19.3	0.2
DPE-6	16-Mar-12	19.5	16.4	3.1	2.0	19.4	0.1
DPE-6	27-Mar-12	19.5	15.68	3.82	2.5	19.6	-0.1
DPE-6	17-Apr-12	19.5	16.19	3.31	2.2	19.7	-0.2
DPE-6	17-May-12	19.5	16.09	3.41	2.2	19.5	0
DPE-6	14-Jun-12	19.5	16.51	2.99	2.0	19.6	-0.1
DPE-6	19-Jul-12	19.5	16.96	2.54	1.7	19.1	0.4
DPE-6	23-Aug-12	19.5	16.51	2.99	2.0	19.2	0.3
DPE-6	26-Sep-12	19.5	16.36	3.14	2.0	19.6	-0.1
DPE-6	26-Oct-12	19.5	16.42	3.08	2.0	19.5	0
DPE-6	21-Dec-12	19.5	15.66	3.84	2.5	20	-0.5
DPE-6	30-Jan-13	19.5	16.63	2.87	1.9	19.5	0
DPE-6	26-Feb-13	19.5	16.59	2.91	1.9	19.3	0.2
DPE-6	21-Mar-13	19.5	16.61	2.89	1.9	19.6	-0.1
DPE-6	23-May-13	19.5	11.44	8.06	5.3	19.3	0.2
DPE-6	26-Jun-13	19.5	13.18	6.32	4.1	19.6	-0.1
DPE-6	26-Aug-13	19.5	14.86	4.64	3.0	19.6	-0.1

Attachment A - Table 6

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

Location	Date	Total Well Depth (ft below TOC)	Static Water Level (ft below TOC)	Static Water Column Thickness (ft)	Static Water Volume (gallons)	Operating Depth (ft below TOC)	Operating Water Column Thickness (ft)
DPE-7	23-Oct-09	22.2	15.68	6.52	4.3	22.2	0.0
DPE-7	27-Oct-09	22.2	15.49	6.71	4.4	22.2	0.0
DPE-7	16-Nov-09	22.2	15.44	6.76	4.4	22.17	0.03
DPE-7	17-Dec-09	22.2	16.03	6.17	4.0	22.4	-0.2
DPE-7	14-Jan-10	22.2	16.26	5.94	3.9	22.1	0.1
DPE-7	22-Feb-10	22.2	16.98	5.22	3.4	22.3	-0.1
DPE-7	25-Mar-10	22.2	16.65	5.55	3.6	22.1	0.1
DPE-7	16-Apr-10	22.2	16.71	5.49	3.6	22.3	-0.1
DPE-7	12-May-10	22.2	17.41	4.79	3.1	22	0.2
DPE-7	17-Jun-10	22.2	17.5	4.7	3.1	NR	NR
DPE-7	18-Aug-10	22.2	17.98	4.22	2.8	21.9	0.3
DPE-7	27-Sep-10	22.2	15.36	6.84	4.5	21.65	0.55
DPE-7	18-Nov-10	22.2	15.59	6.61	4.3	NR	NR
DPE-7	22-Dec-10	22.2	16.02	6.18	4.0	22.1	0.1
DPE-7	6-Jan-11	22.2	15.2	7	4.6	22	0.2
DPE-7	20-Jan-11	22.2	15.31	6.89	4.5	22.1	0.1
DPE-7	28-Feb-11	22.2	15.61	6.59	4.3	22.15	0.05
DPE-7	7-Mar-11	22.2	16.08	6.12	4.0	22.4	-0.2
DPE-7	18-Mar-11	22.2	16.08	6.12	4.0	22.1	0.1
DPE-7	23-Mar-11	22.2	14.83	7.37	4.8	21.9	0.3
DPE-7	22-Apr-11	22.2	15.6	6.6	4.3	22.4	-0.2
DPE-7	19-May-11	22.2	15.33	6.87	4.5	22.3	-0.1
DPE-7	16-Jun-11	22.2	15.58	6.62	4.3	21.95	0.25
DPE-7	25-Jul-11	22.2	14.64	7.56	4.9	21.75	0.45
DPE-7	28-Aug-11	22.2	16.96	5.24	3.4	22.6	-0.4
DPE-7	29-Sep-11	22.2	17.35	4.85	3.2	21.95	0.25
DPE-7	18-Oct-11	22.2	16.25	5.95	3.9	22.4	-0.2
DPE-7	27-Oct-11	22.2	17.46	4.74	3.1	22.3	-0.1
DPE-7	21-Nov-11	22.2	17.14	5.06	3.3	22.1	0.1
DPE-7	20-Jan-12	22.2	16.68	5.52	3.6	22	0.2
DPE-7	27-Jan-12	22.2	17.64	4.56	3.0	22.4	-0.2
DPE-7	16-Feb-12	22.2	17.69	4.51	2.9	22.1	0.1
DPE-7	16-Mar-12	22.2	17.71	4.49	2.9	22	0.2
DPE-7	27-Mar-12	22.2	17.08	5.12	3.3	22.1	0.1
DPE-7	17-Apr-12	22.2	17.41	4.79	3.1	22	0.2
DPE-7	17-May-12	22.2	17.62	4.58	3.0	22.2	0
DPE-7	14-Jun-12	22.2	17.83	4.37	2.9	22	0.2
DPE-7	19-Jul-12	22.2	18.41	3.79	2.5	22.3	-0.1
DPE-7	23-Aug-12	22.2	18.21	3.99	2.6	22.1	0.1
DPE-7	26-Sep-12	22.2	17.81	4.39	2.9	22.6	-0.4
DPE-7	26-Oct-12	22.2	17.88	4.32	2.8	22.2	0
DPE-7	21-Dec-12	22.2	17.02	5.18	3.4	22.2	0
DPE-7	30-Jan-13	22.2	17.86	4.34	2.8	22.1	0.1
DPE-7	26-Feb-13	22.2	17.66	4.54	3.0	22.4	-0.2
DPE-7	21-Mar-13	22.2	18.03	4.17	2.7	22.4	-0.2
DPE-7	23-May-13	22.2	13	9.2	6.0	22.1	0.1
DPE-7	26-Jun-13	22.2	14.4	7.8	5.1	22.2	0
DPE-7	26-Aug-13	22.2	16.04	6.16	4.0	22.3	-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-8	23-Oct-09	17.5	13.18	4.32	2.8	17.3	0.2
DPE-8	27-Oct-09	17.5	13.24	4.26	2.8	17.9	-0.4
DPE-8	16-Nov-09	17.5	13.3	4.2	2.7	17.5	0.0
DPE-8	17-Dec-09	17.5	15.31	2.19	1.4	17.9	-0.4
DPE-8	14-Jan-10	17.5	16.58	0.92	0.6	17.75	-0.25
DPE-8	22-Feb-10	17.5	14.19	3.31	2.2	18.3	-0.8
DPE-8	25-Mar-10	17.5	15.72	1.78	1.2	17.8	-0.3
DPE-8	16-Apr-10	17.5	16.2	1.3	0.8	17.8	-0.3
DPE-8	12-May-10	17.5	16.61	0.89	0.6	17.5	0
DPE-8	17-Jun-10	17.5	16.92	0.58	0.4	NR	NR
DPE-8	18-Aug-10	17.5	17.21	0.29	0.2	17.8	-0.3
DPE-8	27-Sep-10	17.5	14.75	2.75	1.8	17.6	-0.1
DPE-8	18-Nov-10	17.5	15.37	2.13	1.4	NR	NR
DPE-8	22-Dec-10	17.5	15.4	2.1	1.4	17.3	0.2
DPE-8	6-Jan-11	17.5	15.18	2.32	1.5	17.7	-0.2
DPE-8	20-Jan-11	17.5	16.15	1.35	0.9	17.6	-0.1
DPE-8	28-Feb-11	17.5	16.78	0.72	0.5	17.5	0
DPE-8	7-Mar-11	17.5	15.81	1.69	1.1	17.5	0
DPE-8	18-Mar-11	17.5	15.71	1.79	1.2	17.2	0.3
DPE-8	23-Mar-11	17.5	14.2	3.3	2.2	17.5	0
DPE-8	22-Apr-11	17.5	14.61	2.89	1.9	17.4	0.1
DPE-8	19-May-11	17.5	15.18	2.32	1.5	17.1	0.4
DPE-8	16-Jun-11	17.5	15.48	2.02	1.3	17.6	-0.1
DPE-8	25-Jul-11	17.5	14.41	3.09	2.0	17.6	-0.1
DPE-8	28-Aug-11	17.5	16.91	0.59	0.4	17.4	0.1
DPE-8	29-Sep-11	17.5	16.37	1.13	0.7	17.9	-0.4
DPE-8	18-Oct-11	17.5	15.41	2.09	1.4	17.3	0.2
DPE-8	27-Oct-11	17.5	16.82	0.68	0.4	17.6	-0.1
DPE-8	21-Nov-11	17.5	17.11	0.39	0.3	17.6	-0.1
DPE-8	20-Jan-12	17.5	16.74	0.76	0.5	17.8	-0.3
DPE-8	27-Jan-12	17.5	17.43	0.07	0.0	17.4	0.1
DPE-8	16-Feb-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	16-Mar-12	17.5	17.5	0	0.0	17.6	-0.1
DPE-8	27-Mar-12	17.5	16.78	0.72	0.5	17.6	-0.1
DPE-8	17-Apr-12	17.5	17.49	0.01	0.0	17.9	-0.4
DPE-8	17-May-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	14-Jun-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	19-Jul-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	23-Aug-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	26-Sep-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	26-Oct-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	21-Dec-12	17.5	DRY	NA	NA	DRY	NA
DPE-8	30-Jan-13	17.5	DRY	NA	NA	DRY	NA
DPE-8	26-Feb-13	17.5	DRY	NA	NA	DRY	NA
DPE-8	21-Mar-13	17.5	DRY	NA	NA	DRY	NA
DPE-8	23-May-13	17.5	12.19	5.31	3.5	17.5	0
DPE-8	26-Jun-13	17.5	14	3.5	2.3	17.5	0
DPE-8	26-Aug-13	17.5	15.49	2.01	1.3	17.5	0

Notes:
1. DPE-1 groundwater elevation data from 8/28/11 appears to be a data outlier.
NA Not Applicable

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 for Water Leaks - MONTHLY	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
- Replace Transfer Pump Stator - SEMI-ANNUALLY						Feb 16						Aug 18	Sep 27			
- Clean Discharge Flow Meter - SEMI-ANNUALLY																
Air Stripper Maintenance																
- Clean Air Stripper - ANNUALLY OR AS NEEDED							Mar 25	Apr 16	May 12	Jun 17	Jul 26		Sep 27	Oct 18		
- Clean Floats - QUARTERLY						Feb 12			May 12			NA	Sep 27	Oct 18		
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	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
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	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
Solonoid Valve Maintenance																
- Inspect - MONTHLY	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9, 25	Apr 16	May 12	Jun 17	Jul 26	NA	Sep 27	Oct 18	Nov 18	Dec 23
- Clean - AS NEEDED		Oct 27	Nov 6	Dec 4									Sep 27			
- Rebuild - AS NEEDED				Dec 7									Sep 27			

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

Attachment A - Table 7

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

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

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

Attachment A - Table 7

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

Maintenance Item	Jan-12	Feb-12	Mar-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
DPE Pump Maintenance												
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Check Oil Level (level should show at middle of site glass) - MONTHLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Change Oil - MONTHLY	Jan 27,20	Feb 16	Mar 16,27	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Clean Pump Inlet Opening	NA	NA	NA	NA	NA	Jun 14	NA	NA	NA	NA	NA	NA
- Inspect and Clean Pump Inlet Screen - EACH SITE VISIT	NA	NA	Mar 16,27	NA	NA	Jun 14	NA	NA	NA	NA	NA	NA
Moisture Separator Maintenance												
- Clean Floats - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Check Sediment - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Remove Sediment - AS NEEDED	Jan 20		Mar 16									Dec 21
- Replace MS#1Filter (5 micron) - SEMI-ANNUALLY							July 25				DPE OFF	
- Replace MS#2 Filter (1 micron) - SEMI-ANNUALLY							July 25				DPE OFF	
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Jan 27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
for Water Leaks - MONTHLY												
- Replace Transfer Pump Stator - SEMI-ANNUALLY							July 25				DPE OFF	
- Clean Discharge Flow Meter - SEMI-ANNUALLY						Jun 14	July 25					
Air Stripper Maintenance												
- Clean Air Stripper - ANNUALLY OR AS NEEDED	Jan 20,27	Feb 16	Mar 16		May 17		July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Clean Floats - QUARTERLY	Jan 20,27	Feb 16	Mar 16,27	Apr 17		Jun 14	July 19	Aug 23	Sept 26			Dec 21
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17		July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
Fittings for Water Leaks - MONTHLY												
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17		July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
Leaks - MONTHLY												
Solonoid Valve Maintenance												
- Inspect - MONTHLY	Jan 20,27	Feb 16	Mar 16	Apr 17	May 17, 31	Jun 14	July 19	Aug 23	Sept 26	Oct 26	DPE OFF	Dec 21
- Clean - AS NEEDED	Jan 20											
- Rebuild - AS NEEDED			Mar 16				July 19			Oct 26		

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

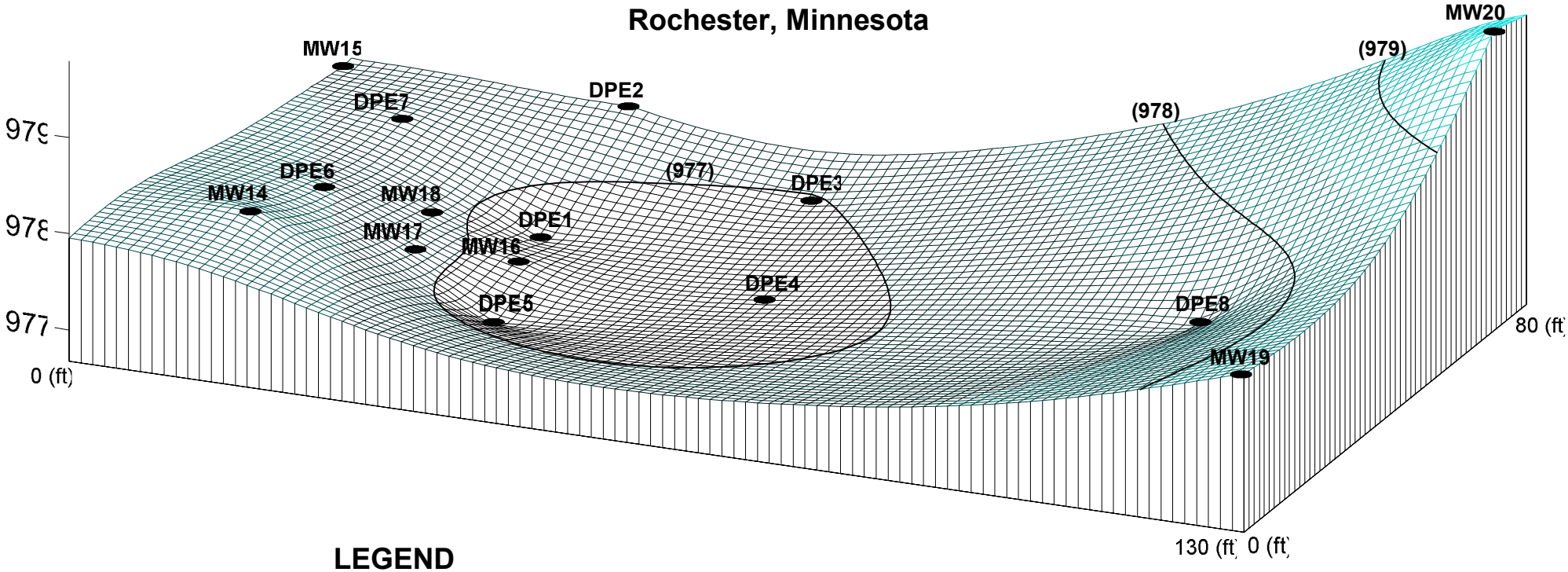
Maintenance Item	Jan-13	Feb-13	Mar-13	Apr-13	May-13	Jun-13	Jul-13	Aug-13	Sep-13	Oct-13	Nov-13	Dec-13
DPE Pump Maintenance												
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	Jan 4, 9, 18, 30	Feb 12, 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- Check Oil Level (level should show at middle of site glass) - MONTHLY	Jan 4, 9, 18, 30	Feb 12, 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- Change Oil - MONTHLY	Jan 4, 9, 18, 30	Feb 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- 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 30	Feb 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- Check Sediment - MONTHLY	Jan 30	Feb 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- Remove Sediment - AS NEEDED			Mar 21					X				X
- Replace MS#1Filter (5 micron) - SEMI-ANNUALLY				DPE OFF		June 26						X
- Replace MS#2 Filter (1 micron) - SEMI-ANNUALLY				DPE OFF		June 26						X
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Jan 4, 9, 18, 30	Feb 12, 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
for Water Leaks - MONTHLY												
- Replace Transfer Pump Stator - SEMI-ANNUALLY				DPE OFF		June 26						X
- Clean Discharge Flow Meter - SEMI-ANNUALLY						June 26						X
Air Stripper Maintenance												
- Clean Air Stripper - ANNUALLY OR AS NEEDED	Jan 30	Feb 26	Mar 21	DPE OFF	May 23							X
- Clean Floats - QUARTERLY	Jan 30	Feb 26	Mar 21		May 23				X			X
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Jan 30	Feb 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
Fittings for Water Leaks - MONTHLY												
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Jan 30	Feb 12, 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
Leaks - MONTHLY												
Solonoid Valve Maintenance												
- Inspect - MONTHLY	Jan 4, 30	Feb 26	Mar 21	DPE OFF	May 23	June 26	X	X	X	X	X	X
- Clean - AS NEEDED												
- Rebuild - AS NEEDED	Jan 4		Mar 21		May 23							

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

ATTACHMENT A FIGURE 1A

3D GROUNDWATER FLOW INTERPRETATION
August 26, 2013

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)

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

Attachment B

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: 8/26/13
TIME: 12:40 PM
RECORDED BY: Aaron Kuck

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: 12:30 #4
DPE WELL BLEED VALVE % OPEN:
DPE PUMP BLEED VALVE % OPEN:

ANALOG PANEL READINGS
DPE PUMP AIR FLOW (SCFM): 164
DPE WELL VACUUM (IN. HG): 13.52
DPE PUMP INLET VACUUM (IN. HG): 14.13
DPE PUMP OUTLET PRESSURE (PSI): .08
DPE PUMP OUTLET TEMP (DEG. F): 211
MS PUMP WATER FLOW (GPM): 0.0

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 27889
MS PUMP (HRS): 2201
MS VACUUM VALVE (HRS): 693
AIR STRIPPER BLOWER (HRS): 12844
AIR STRIPPER PUMP (HRS): 823
DPE AIR FLOW (SCF): 1084740000
MS PUMP WATER FLOW (GAL): 1981481
SUMP PUMP WATER FLOW (GAL): 610

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	11.54
MW-15	4	18	14.06
MW-16	10	18	12.54
MW-17	7	25	12.56
MW-18	6	60	13.39
MW-19	1	20	12.82
MW-20	8	16.7	11.70
DPE-1	15	21.9	15.68
DPE-2	13	20.5	15.42
DPE-3	14	17.1	15.51
DPE-4	12	19.3	15.59
DPE-5	9	18.1	15.79
DPE-6	5	19.5	14.86
DPE-7	2	22.2	16.04
DPE-8	11	17.5	15.49
Sump	1	7.74	6.66

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): ~~funky~~ 15.5
PRE-MANIFOLD VACUUM (IN. HG): 16
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 16
POST-MS-1 VACUUM (IN. HG): 9.5
POST-MS-2 VACUUM (IN. HG): 12.0
DPE PUMP AIR FLOW (SCFM): 190
DPE EXHAUST PID CONC. (PPM): 1.4
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 200

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.8
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): NA
MS PUMP FLOW TOTALIZER READING (GAL): NA

AS EXHAUST PRESSURE (IN. H20): 8
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 12
AS BLOWER PRESSURE (IN. H20): 16
AS EXHAUST PID (PPM): ND

OPERATING WATER LEVELS
DPE-1 21.9
DPE-2 20.5
DPE-3 17.0
DPE-4 19.2
DPE-5 18.3
DPE-6 19.6
DPE-7 22.3
DPE-8 17.5

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:
541 - Sump Reading

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): _____

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: 8/26/13
TIME: 5:05 PM
RECORDED BY: Aaron Kuck

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	0.3	184.3	16.98	25
DPE-2	0.4	186.1	15.12	95
DPE-3	2.1	188.1	17.68	75
DPE-4	1.4	141.6	18.82	130
DPE-5	0.0	165.3	17.49	100
DPE-6	0.0	139.3	18.39	75
DPE-7	0.0	142.3	18.53	30
DPE-8	0.0	167.4	18.08	70

CAN # 2104
Start @ 11:06 -30
ended 17:00 -6

8/27/13
opened PV-1 in control room
— NO measurable flow with 0.0 PID
on-side equipment

PV-2 in mechanical room -004
No PID

MS collected 10:10

storage 005 PV-3 PID 50.0

by PV-4 - No measurable flow + PID of 0.0

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 8/19/13

Field Represenative: JEG

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY		Changed
- Change Oil - MONTHLY	✓	
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY		Removed
- Remove Sediment - MONTHLY	✓	
- 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		
- Replace Transfer Pump Stator - SEMI-ANNUALLY		Replaced
- Clean Discharge Flow Meter - SEMI-ANNUALLY		
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED	✓	Added Acid
- Clean Floats - Quarterly		
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY		
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY		
Solonoid Valve Maintenance		
- Inspect - MONTHLY	✓	
- Clean - AS NEEDED	✓	

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-14 Date: August 26, 2013

Station: Sample time: 15:00

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	11.54		19.41	1.266	7.54	58.2	1.59	
Water depth[1]:	5.96							
Well volume (gal):	.9							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-15 Date: August 26, 2013

Station: Sample time: 15:15

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	14.06		20.31	3.002	7.48	33.4	2.39	
Water depth[1]:	3.94							
Well volume (gal):	0.6							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-16 Date: August 26, 2013

Station: _____ Sample time: 15:32

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	12.54		19.69	2.058	4.29	-2.5	2.37	
Water depth[1]:	5.46							
Well volume (gal):	.9							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-17 Date: August 26, 2013

Station: 25 Sample time: 16:26

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	12.56		19.29	1.594	7.32	-51.2	1.02	
Water depth[1]:	12.44							
Well volume (gal):	2							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-18 Date: August 26, 2013

Station: Sample time: 16:19

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	13.39		19.39	2.441	7.03	-65.9	0.28	
Water depth[1]:	46.61							
Well volume (gal):	7.6							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-19 Date: August 26, 2013

Station: Sample time: 14:40

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	12.82		17.54	5.499	6.93	77.8	2.46	
Water depth[1]:	7.18							
Well volume (gal):	1.1							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-20 Date: August 26, 2013

Station: Sample time: 1525

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	11.70		19.13	7.554	6.88	63.6	4.04	
Water depth[1]:	5							
Well volume (gal):	.80							
Purge method:								
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Third Quarter Sampling

Project Name: CRC Project Number: CRC-13

Location: Multiple Location Date: August 26, 2013

Station: Sample time:

Multiple Sampling Log:		Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	
Location:								
DPE-1: (8)		14:27	19.97	1.858	7.49	168	4.11	
DPE-2: (6)		14:56	20.24	2.245	7.47	134	4.41	
DPE-3: (7)		14:20	19.39	5878	6.98	156	3.47	
DPE-4: (5)		1415	20.05	3719	7.01	135	3.12	
DPE-5: (3)		1400	19.99	2163	7.07	174	2.93	
DPE-6: (2)		1355	20.34	1006	6.97	167	2.73	
DPE-7: (1)		1345	20.09	2005	6.49	159	2.50	
DPE-8: (4)		1410	19.98	7.601	6.65	186	2.82	
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.

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

September 05, 2013

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

RE: Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2013. 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,

Carol Davy

carol.davy@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

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
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
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
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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

SAMPLE SUMMARY

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10240080001	**DPE-EXHAUST-2104**	Air	08/26/13 17:00	08/27/13 12:37

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Minneapolis, MN 55414
(612)607-1700

SAMPLE ANALYTE COUNT

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10240080001	**DPE-EXHAUST-2104**	TO-15	DR1	61

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Sample: DPE-EXHAUST-2104 **Lab ID: 10240080001** Collected: 08/26/13 17:00 Received: 08/27/13 12:37 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**56.6**	ug/m3	1.0	2.12		09/04/13 18:58	67-64-1	
Benzene	ND	ug/m3	0.69	2.12		09/04/13 18:58	71-43-2	
Benzyl chloride	ND	ug/m3	2.2	2.12		09/04/13 18:58	100-44-7	
Bromodichloromethane	ND	ug/m3	2.9	2.12		09/04/13 18:58	75-27-4	
Bromoform	ND	ug/m3	4.5	2.12		09/04/13 18:58	75-25-2	
Bromomethane	ND	ug/m3	1.7	2.12		09/04/13 18:58	74-83-9	
1,3-Butadiene	ND	ug/m3	0.95	2.12		09/04/13 18:58	106-99-0	
2-Butanone (MEK)	**14.2**	ug/m3	1.3	2.12		09/04/13 18:58	78-93-3	
Carbon disulfide	ND	ug/m3	1.3	2.12		09/04/13 18:58	75-15-0	
Carbon tetrachloride	ND	ug/m3	1.4	2.12		09/04/13 18:58	56-23-5	
Chlorobenzene	ND	ug/m3	2.0	2.12		09/04/13 18:58	108-90-7	
Chloroethane	ND	ug/m3	1.1	2.12		09/04/13 18:58	75-00-3	
Chloroform	**2.5**	ug/m3	2.1	2.12		09/04/13 18:58	67-66-3	
Chloromethane	**1.8**	ug/m3	0.89	2.12		09/04/13 18:58	74-87-3	
Cyclohexane	ND	ug/m3	1.5	2.12		09/04/13 18:58	110-82-7	
Dibromochloromethane	ND	ug/m3	3.7	2.12		09/04/13 18:58	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.3	2.12		09/04/13 18:58	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	2.6	2.12		09/04/13 18:58	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.6	2.12		09/04/13 18:58	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	2.6	2.12		09/04/13 18:58	106-46-7	
Dichlorodifluoromethane	**4.2**	ug/m3	2.1	2.12		09/04/13 18:58	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.7	2.12		09/04/13 18:58	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.87	2.12		09/04/13 18:58	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.7	2.12		09/04/13 18:58	75-35-4	
cis-1,2-Dichloroethene	**7.5**	ug/m3	1.7	2.12		09/04/13 18:58	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.7	2.12		09/04/13 18:58	156-60-5	
1,2-Dichloropropane	ND	ug/m3	2.0	2.12		09/04/13 18:58	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	2.0	2.12		09/04/13 18:58	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.0	2.12		09/04/13 18:58	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	3.0	2.12		09/04/13 18:58	76-14-2	
Ethanol	**98.1**	ug/m3	0.81	2.12		09/04/13 18:58	64-17-5	
Ethyl acetate	ND	ug/m3	1.5	2.12		09/04/13 18:58	141-78-6	
Ethylbenzene	ND	ug/m3	1.9	2.12		09/04/13 18:58	100-41-4	
4-Ethyltoluene	ND	ug/m3	2.1	2.12		09/04/13 18:58	622-96-8	
n-Heptane	ND	ug/m3	1.8	2.12		09/04/13 18:58	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.7	2.12		09/04/13 18:58	87-68-3	
n-Hexane	**6.7**	ug/m3	1.5	2.12		09/04/13 18:58	110-54-3	
2-Hexanone	ND	ug/m3	1.8	2.12		09/04/13 18:58	591-78-6	
Methylene Chloride	**5.3**	ug/m3	1.5	2.12		09/04/13 18:58	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.8	2.12		09/04/13 18:58	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.5	2.12		09/04/13 18:58	1634-04-4	
Naphthalene	ND	ug/m3	2.3	2.12		09/04/13 18:58	91-20-3	
2-Propanol	ND	ug/m3	1.1	2.12		09/04/13 18:58	67-63-0	
Propylene	ND	ug/m3	0.74	2.12		09/04/13 18:58	115-07-1	
Styrene	ND	ug/m3	1.8	2.12		09/04/13 18:58	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.5	2.12		09/04/13 18:58	79-34-5	
Tetrachloroethene	**122**	ug/m3	1.5	2.12		09/04/13 18:58	127-18-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Sample: DPE-EXHAUST-2104 **Lab ID: 10240080001** Collected: 08/26/13 17:00 Received: 08/27/13 12:37 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	**2.9**	ug/m3	1.3	2.12		09/04/13 18:58	109-99-9	
Toluene	**5.7**	ug/m3	1.6	2.12		09/04/13 18:58	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	3.2	2.12		09/04/13 18:58	120-82-1	
1,1,1-Trichloroethane	**4.3**	ug/m3	2.4	2.12		09/04/13 18:58	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.2	2.12		09/04/13 18:58	79-00-5	
Trichloroethene	**1.7**	ug/m3	1.2	2.12		09/04/13 18:58	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.4	2.12		09/04/13 18:58	75-69-4	
1,1,2-Trichlorotrifluoroethane	**2820**	ug/m3	67.8	42.4		09/05/13 12:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	2.1	2.12		09/04/13 18:58	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	2.1	2.12		09/04/13 18:58	108-67-8	
Vinyl acetate	ND	ug/m3	1.5	2.12		09/04/13 18:58	108-05-4	
Vinyl chloride	ND	ug/m3	0.55	2.12		09/04/13 18:58	75-01-4	
m&p-Xylene	ND	ug/m3	3.7	2.12		09/04/13 18:58	179601-23-1	
o-Xylene	ND	ug/m3	1.9	2.12		09/04/13 18:58	95-47-6	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

QC Batch: AIR/18150 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10240080001

METHOD BLANK: 1516427 Matrix: Air
Associated Lab Samples: 10240080001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	09/04/13 13:14	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	09/04/13 13:14	
1,1,2-Trichloroethane	ug/m3	ND	0.55	09/04/13 13:14	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	09/04/13 13:14	
1,1-Dichloroethane	ug/m3	ND	0.82	09/04/13 13:14	
1,1-Dichloroethene	ug/m3	ND	0.81	09/04/13 13:14	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	09/04/13 13:14	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	09/04/13 13:14	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	09/04/13 13:14	
1,2-Dichlorobenzene	ug/m3	ND	1.2	09/04/13 13:14	
1,2-Dichloroethane	ug/m3	ND	0.41	09/04/13 13:14	
1,2-Dichloropropane	ug/m3	ND	0.94	09/04/13 13:14	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	09/04/13 13:14	
1,3-Butadiene	ug/m3	ND	0.45	09/04/13 13:14	
1,3-Dichlorobenzene	ug/m3	ND	1.2	09/04/13 13:14	
1,4-Dichlorobenzene	ug/m3	ND	1.2	09/04/13 13:14	
2-Butanone (MEK)	ug/m3	ND	0.60	09/04/13 13:14	
2-Hexanone	ug/m3	ND	0.83	09/04/13 13:14	
2-Propanol	ug/m3	ND	0.50	09/04/13 13:14	
4-Ethyltoluene	ug/m3	ND	1.0	09/04/13 13:14	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	09/04/13 13:14	
Acetone	ug/m3	ND	0.48	09/04/13 13:14	
Benzene	ug/m3	ND	0.32	09/04/13 13:14	
Benzyl chloride	ug/m3	ND	1.0	09/04/13 13:14	
Bromodichloromethane	ug/m3	ND	1.4	09/04/13 13:14	
Bromoform	ug/m3	ND	2.1	09/04/13 13:14	
Bromomethane	ug/m3	ND	0.79	09/04/13 13:14	
Carbon disulfide	ug/m3	ND	0.63	09/04/13 13:14	
Carbon tetrachloride	ug/m3	ND	0.64	09/04/13 13:14	
Chlorobenzene	ug/m3	ND	0.94	09/04/13 13:14	
Chloroethane	ug/m3	ND	0.54	09/04/13 13:14	
Chloroform	ug/m3	ND	0.99	09/04/13 13:14	
Chloromethane	ug/m3	ND	0.42	09/04/13 13:14	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	09/04/13 13:14	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	09/04/13 13:14	
Cyclohexane	ug/m3	ND	0.70	09/04/13 13:14	
Dibromochloromethane	ug/m3	ND	1.7	09/04/13 13:14	
Dichlorodifluoromethane	ug/m3	ND	1.0	09/04/13 13:14	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	09/04/13 13:14	
Ethanol	ug/m3	ND	0.38	09/04/13 13:14	
Ethyl acetate	ug/m3	ND	0.73	09/04/13 13:14	
Ethylbenzene	ug/m3	ND	0.88	09/04/13 13:14	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	09/04/13 13:14	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

METHOD BLANK: 1516427 Matrix: Air

Associated Lab Samples: 10240080001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	09/04/13 13:14	
Methyl-tert-butyl ether	ug/m3	ND	0.73	09/04/13 13:14	
Methylene Chloride	ug/m3	ND	0.71	09/04/13 13:14	
n-Heptane	ug/m3	ND	0.83	09/04/13 13:14	
n-Hexane	ug/m3	ND	0.72	09/04/13 13:14	
Naphthalene	ug/m3	ND	1.1	09/04/13 13:14	
o-Xylene	ug/m3	ND	0.88	09/04/13 13:14	
Propylene	ug/m3	ND	0.35	09/04/13 13:14	
Styrene	ug/m3	ND	0.87	09/04/13 13:14	
Tetrachloroethene	ug/m3	ND	0.69	09/04/13 13:14	
Tetrahydrofuran	ug/m3	ND	0.60	09/04/13 13:14	
Toluene	ug/m3	ND	0.77	09/04/13 13:14	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	09/04/13 13:14	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	09/04/13 13:14	
Trichloroethene	ug/m3	ND	0.55	09/04/13 13:14	
Trichlorofluoromethane	ug/m3	ND	1.1	09/04/13 13:14	
Vinyl acetate	ug/m3	ND	0.72	09/04/13 13:14	
Vinyl chloride	ug/m3	ND	0.26	09/04/13 13:14	

LABORATORY CONTROL SAMPLE: 1516428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	63.9	115	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	92.2	132	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	66.3	120	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	85.5	110	65-130	
1,1-Dichloroethane	ug/m3	41.2	41.4	101	66-131	
1,1-Dichloroethene	ug/m3	40.3	45.0	112	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	85.1	113	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	51.7	103	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	90.7	116	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	56.1	92	68-148	
1,2-Dichloroethane	ug/m3	41.2	48.4	118	66-136	
1,2-Dichloropropane	ug/m3	47	55.2	118	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	53.7	107	69-136	
1,3-Butadiene	ug/m3	22.5	26.0	115	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	60.5	99	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	61.1	100	66-134	
2-Butanone (MEK)	ug/m3	30	28.7	96	69-141	
2-Hexanone	ug/m3	41.7	53.3	128	74-132	
2-Propanol	ug/m3	25	28.2	113	64-139	
4-Ethyltoluene	ug/m3	50	53.2	106	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	52.4	126	74-131	
Acetone	ug/m3	24.2	25.9	107	62-142	
Benzene	ug/m3	32.5	36.3	112	72-136	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

LABORATORY CONTROL SAMPLE: 1516428

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	52.8	100	70-134	
Bromodichloromethane	ug/m3	68.2	81.9	120	69-135	
Bromoform	ug/m3	105	122	116	72-133	
Bromomethane	ug/m3	39.5	44.6	113	65-125	
Carbon disulfide	ug/m3	31.7	33.2	105	68-127	
Carbon tetrachloride	ug/m3	64	81.5	127	64-133	
Chlorobenzene	ug/m3	46.8	53.0	113	65-135	
Chloroethane	ug/m3	26.8	29.5	110	63-129	
Chloroform	ug/m3	49.7	57.3	115	66-129	
Chloromethane	ug/m3	21	24.1	115	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	44.4	110	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	52.3	113	75-137	
Cyclohexane	ug/m3	35	40.1	114	73-139	
Dibromochloromethane	ug/m3	86.6	102	118	73-130	
Dichlorodifluoromethane	ug/m3	50.3	58.8	117	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	83.9	118	64-131	
Ethanol	ug/m3	19.2	22.2	116	62-134	
Ethyl acetate	ug/m3	36.6	43.1	118	73-136	
Ethylbenzene	ug/m3	44.2	53.4	121	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	125	115	30-150	
m&p-Xylene	ug/m3	44.2	52.2	118	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	38.4	105	71-134	
Methylene Chloride	ug/m3	35.3	37.9	107	59-140	
n-Heptane	ug/m3	41.7	49.6	119	73-136	
n-Hexane	ug/m3	35.8	32.9	92	67-136	
Naphthalene	ug/m3	53.3	64.5	121	30-150	
o-Xylene	ug/m3	44.2	53.5	121	74-135	
Propylene	ug/m3	17.5	18.7	107	66-138	
Styrene	ug/m3	43.3	50.4	116	73-135	
Tetrachloroethene	ug/m3	69	79.4	115	66-135	
Tetrahydrofuran	ug/m3	30	37.4	125	73-130	
Toluene	ug/m3	38.3	44.1	115	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	43.3	107	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	51.7	112	75-129	
Trichloroethene	ug/m3	54.6	62.5	114	68-134	
Trichlorofluoromethane	ug/m3	57.1	64.2	112	61-134	
Vinyl acetate	ug/m3	35.8	38.1	106	70-139	
Vinyl chloride	ug/m3	26	30.9	119	64-134	

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

SAMPLE QUALIFIERS

Sample: 10240080001

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Rochester GW Natl. Atten
Pace Project No.: 10240080

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10240080001	**DPE-EXHAUST-2104**	TO-15	AIR/18150		

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.

10240080

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 ☐ THER_____

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

Section D Required Client Information

SAMPLE ID

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

Samples

Valid Matrix Codes

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

ITEM #	Samples	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: TO-15	Pace Project Number / Lab I.D.
1	DPE-EXHAUST-2104	A	C	8/26/13	11:00	8/26/13	17:00												X	Col
2																				
3																				
4																				
5																				
6																				
7																				
8																				
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			[signature]	8-27-13	12:37

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
MP	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)

F:\PROJECTS\Crc-City of Rochester\Analytical Reports\coc air 5-23-13.xls

E-File,(ALLQ020rev.3,31Mar05), 13Jun2005

Pace Analytical®	Document Name: Air Sample Condition Upon Receipt	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: F-MN-A-106-rev.07	Issuing Authority: Pace Minnesota Quality Office

Air Sample Condition Upon Receipt

Client Name: Landmark Env.

Project #: WO# : 10240080

10240080

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ Other: Speedee

Tracking Number: _____

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

Optional: Proj. Due Date: Proj. Name:

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other: _____

Temp. (TO17 and TO13 samples only) (°C): _____ **Corrected Temp (°C):** 21.3 **Thermom. Used:** ☐ B88A912167504 ☐ 80512447 ☐ 72337080

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 8.28.13

				Comments:
Chain of Custody Present?	☑ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☑ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☐ Yes	☑ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time?	☑ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☑ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☑ No	☐ N/A	7.
Sufficient Volume?	☑ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☑ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☑ Yes	☐ No	☐ N/A	
Containers Intact?	☑ Yes	☐ No	☐ N/A	10.
Media: Air (Can)				11.
Sample Labels Match COC?	☐ Yes	☐ No	☐ N/A	12.

Samples Received: 1 Air Can, 1 Flow Controller

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
OPEExhaust 2104	PACE 2104	FC0075			

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: CMD **Date:** 8-28-13

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)

Data File: \\192.168.10.12\chem\10airD.i\090413.b\24723.d
Report Date: 05-Sep-2013 11:20

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 10240080001
Operator : DR1
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 04-SEP-2013 18:58

Client SDG: 090413.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	3.598	20.4	J
2.	1066-40-6	Silanol, trimethyl-	4.362	3.11	NJ
3.	66-25-1	Hexanal	8.471	1.78	NJ
4.	541-05-9	Cyclotrisiloxane, hexamethy	8.770	9.46	NJ
5.	111-71-7	Heptanal	10.728	8.36	NJ
6.	556-67-2	Cyclotetrasiloxane, octamet	12.512	25.5	NJ
7.	544-76-3	Hexadecane	13.817	19.8	NJ
8.		Unknown	14.223	10.3	J
9.		Unknown	14.305	10.6	J
10.		Unknown	14.610	9.85	J

Data File: \\192.168.10.12\chem\10airD.i\090413.b\24723.d
Report Date: 05-Sep-2013 11:20

Pace Analytical Services, Inc.

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10airD.i\090413.b\24723.d
Lab Smp Id: 10240080001
Inj Date : 04-SEP-2013 18:58
Operator : DR1 Inst ID: 10airD.i
Smp Info :
Misc Info : 18150
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10airD.i\090413.b\TO15_247-13.m
Meth Date : 05-Sep-2013 09:45 drandall Quant Type: ISTD
Cal Date : 04-SEP-2013 11:02 Cal File: 24708.d
Als bottle: 23
Dil Factor: 2.12000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: 10AIRPC4

Concentration Formula: Amt * DF * Uf * CpndVariable

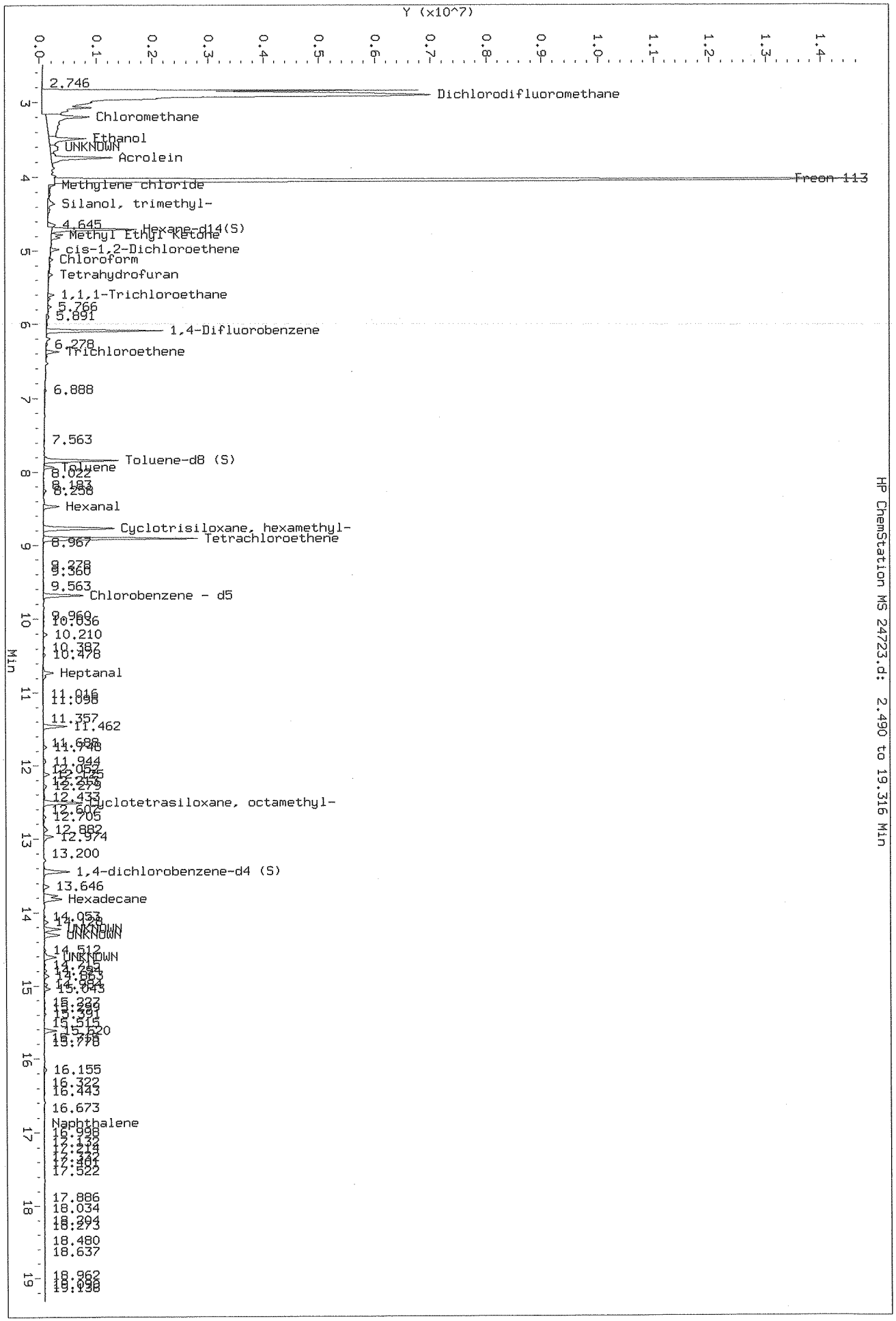
Name	Value	Description
DF	2.120	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

	COMPOUND	RT	AREA	AMOUNT
9	Ethanol	3.487	1684181	24.149
19	Methylene chloride	4.103	249327	0.713
54	Tetrachloroethene	8.911	4966932	8.345
* 55	Chlorobenzene - d5	9.685	1333572	10.000
$ 70	1,4-dichlorobenzene-d4	13.449	1002818	8.074

	CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.598	671183	9.62383948	20.4	0		0	9
Silanol, trimethyl-				CAS #: 1066-40-6			
4.362	512897	1.46603410	3.11	87	NIST05.L	2199	19
Hexanal				CAS #: 66-25-1			
8.471	499063	0.83848092	1.78	86	NIST05.L	3689	54

Data File: \\192.168.10.12\chem\10airD.i\090413.b\24723.d
Report Date: 05-Sep-2013 11:20

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
====	====	==========	==========	====	=======	=========	======
Cyclotrisiloxane, hexamethyl-				CAS #: 541-05-9			
8.770	2656699	4.46355075	9.46	91	NIST05.L	73121	54
Heptanal				CAS #: 111-71-7			
10.728	525971	3.94407135	8.36	80	NIST05.L	7229	55
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
12.512	1493705	12.0264182	25.5	91	NIST05.L	122480	70
Hexadecane				CAS #: 544-76-3			
13.817	1161870	9.35468343	19.8	72	NIST05.L	76090	70
Unknown				CAS #:			
14.223	605617	4.87606409	10.3	0		0	70
Unknown				CAS #:			
14.305	621667	5.00529346	10.6	0		0	70
Unknown				CAS #:			
14.610	577338	4.64838092	9.85	0		0	70



Data File: \\192.168.10.12\chem\10airD.i\090413.b\24723.d
Injection Date: 04-SEP-2013 18:58
Instrument: 10airD.i
Client Sample ID:

HP ChemStation MS 24723.d: 2.490 to 19.316 Min

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

September 04, 2013

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240026

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2013. 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,

Carol Davy

carol.davy@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.: 10240026

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
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
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 York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
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.: 10240026

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10240026001	**AS - INFLUENT**	Water	08/26/13 00:00	08/27/13 16:53
10240026002	**AS - EFFLUENT**	Water	08/26/13 00:00	08/27/13 16:53

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.: 10240026

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10240026001	**AS - INFLUENT**	EPA 624	LPM	73
10240026002	**AS - EFFLUENT**	EPA 624	LPM	73

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.: 10240026

Sample: AS - INFLUENT **Lab ID: 10240026001** Collected: 08/26/13 00:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	20.0	1		09/03/13 14:51	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/03/13 14:51	107-05-1	
Benzene	ND	ug/L	1.0	1		09/03/13 14:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/03/13 14:51	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/03/13 14:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/03/13 14:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/03/13 14:51	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/03/13 14:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/03/13 14:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/03/13 14:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/03/13 14:51	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		09/03/13 14:51	110-75-8	
Chloroform	ND	ug/L	1.0	1		09/03/13 14:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/03/13 14:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/03/13 14:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/03/13 14:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/03/13 14:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/03/13 14:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/03/13 14:51	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/03/13 14:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/03/13 14:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/03/13 14:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/03/13 14:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:51	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:51	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/03/13 14:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/03/13 14:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/03/13 14:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/03/13 14:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/03/13 14:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/03/13 14:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/03/13 14:51	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/03/13 14:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/03/13 14:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/03/13 14:51	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/03/13 14:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/03/13 14:51	108-10-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240026

Sample: AS - INFLUENT **Lab ID: 10240026001** Collected: 08/26/13 00:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/03/13 14:51	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/03/13 14:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	103-65-1	
Styrene	ND	ug/L	1.0	1		09/03/13 14:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/03/13 14:51	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/03/13 14:51	79-34-5	
Tetrachloroethene	**36.1**	ug/L	1.0	1		09/03/13 14:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/03/13 14:51	109-99-9	
Toluene	ND	ug/L	1.0	1		09/03/13 14:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/03/13 14:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/03/13 14:51	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/03/13 14:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/03/13 14:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/03/13 14:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/03/13 14:51	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/03/13 14:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/03/13 14:51	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/03/13 14:51	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/03/13 14:51	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		09/03/13 14:51	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		09/03/13 14:51	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/03/13 14:51	460-00-4	

Sample: AS - EFFLUENT **Lab ID: 10240026002** Collected: 08/26/13 00:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	20.0	1		09/03/13 14:27	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/03/13 14:27	107-05-1	
Benzene	ND	ug/L	1.0	1		09/03/13 14:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/03/13 14:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/03/13 14:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/03/13 14:27	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/03/13 14:27	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/03/13 14:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/03/13 14:27	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/03/13 14:27	56-23-5	

REPORT OF LABORATORY ANALYSIS

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.: 10240026

Sample: AS - EFFLUENT **Lab ID: 10240026002** Collected: 08/26/13 00:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Chlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/03/13 14:27	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		09/03/13 14:27	110-75-8	M1
Chloroform	ND	ug/L	1.0	1		09/03/13 14:27	67-66-3	
Chloromethane	**6.9**	ug/L	4.0	1		09/03/13 14:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/03/13 14:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/03/13 14:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/03/13 14:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/03/13 14:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/03/13 14:27	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/03/13 14:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/03/13 14:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/03/13 14:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/03/13 14:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/03/13 14:27	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:27	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/03/13 14:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/03/13 14:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/03/13 14:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/03/13 14:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/03/13 14:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/03/13 14:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/03/13 14:27	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/03/13 14:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/03/13 14:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/03/13 14:27	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/03/13 14:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/03/13 14:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/03/13 14:27	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/03/13 14:27	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	103-65-1	
Styrene	ND	ug/L	1.0	1		09/03/13 14:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/03/13 14:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/03/13 14:27	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/03/13 14:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/03/13 14:27	109-99-9	
Toluene	ND	ug/L	1.0	1		09/03/13 14:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/03/13 14:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/03/13 14:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/03/13 14:27	79-00-5	

REPORT OF LABORATORY ANALYSIS

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.: 10240026

Sample: AS - EFFLUENT **Lab ID: 10240026002** Collected: 08/26/13 00:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Trichloroethene	ND	ug/L	0.40	1		09/03/13 14:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/03/13 14:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/03/13 14:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/03/13 14:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/03/13 14:27	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/03/13 14:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/03/13 14:27	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		09/03/13 14:27	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		09/03/13 14:27	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		09/03/13 14:27	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		09/03/13 14:27	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/03/13 14:27	460-00-4	

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.: 10240026

QC Batch: MSV/24835 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10240026001, 10240026002

METHOD BLANK: 1515482 Matrix: Water
Associated Lab Samples: 10240026001, 10240026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1-Dichloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,1-Dichloroethene	ug/L	ND	1.0	09/03/13 12:27	
1,1-Dichloropropene	ug/L	ND	1.0	09/03/13 12:27	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/03/13 12:27	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/03/13 12:27	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/03/13 12:27	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/03/13 12:27	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
1,2-Dichloroethane	ug/L	ND	1.0	09/03/13 12:27	
1,2-Dichloropropane	ug/L	ND	4.0	09/03/13 12:27	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/03/13 12:27	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
1,3-Dichloropropane	ug/L	ND	1.0	09/03/13 12:27	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
2,2-Dichloropropane	ug/L	ND	4.0	09/03/13 12:27	
2-Butanone (MEK)	ug/L	ND	5.0	09/03/13 12:27	
2-Chloroethylvinyl ether	ug/L	ND	10.0	09/03/13 12:27	
2-Chlorotoluene	ug/L	ND	1.0	09/03/13 12:27	
4-Chlorotoluene	ug/L	ND	1.0	09/03/13 12:27	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/03/13 12:27	
Acetone	ug/L	ND	20.0	09/03/13 12:27	
Allyl chloride	ug/L	ND	4.0	09/03/13 12:27	
Benzene	ug/L	ND	1.0	09/03/13 12:27	
Bromobenzene	ug/L	ND	1.0	09/03/13 12:27	
Bromochloromethane	ug/L	ND	1.0	09/03/13 12:27	
Bromodichloromethane	ug/L	ND	1.0	09/03/13 12:27	
Bromoform	ug/L	ND	4.0	09/03/13 12:27	
Bromomethane	ug/L	ND	4.0	09/03/13 12:27	
Carbon tetrachloride	ug/L	ND	1.0	09/03/13 12:27	
Chlorobenzene	ug/L	ND	1.0	09/03/13 12:27	
Chloroethane	ug/L	ND	1.0	09/03/13 12:27	
Chloroform	ug/L	ND	1.0	09/03/13 12:27	
Chloromethane	ug/L	ND	4.0	09/03/13 12:27	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/03/13 12:27	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/03/13 12:27	
Dibromochloromethane	ug/L	ND	1.0	09/03/13 12:27	

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.: 10240026

METHOD BLANK: 1515482 Matrix: Water

Associated Lab Samples: 10240026001, 10240026002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	4.0	09/03/13 12:27	
Dichlorodifluoromethane	ug/L	ND	1.0	09/03/13 12:27	
Dichlorofluoromethane	ug/L	ND	1.0	09/03/13 12:27	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/03/13 12:27	
Ethylbenzene	ug/L	ND	1.0	09/03/13 12:27	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/03/13 12:27	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/03/13 12:27	
m&p-Xylene	ug/L	ND	2.0	09/03/13 12:27	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/03/13 12:27	
Methylene Chloride	ug/L	ND	4.0	09/03/13 12:27	
n-Butylbenzene	ug/L	ND	1.0	09/03/13 12:27	
n-Propylbenzene	ug/L	ND	1.0	09/03/13 12:27	
Naphthalene	ug/L	ND	4.0	09/03/13 12:27	
o-Xylene	ug/L	ND	1.0	09/03/13 12:27	
p-Isopropyltoluene	ug/L	ND	1.0	09/03/13 12:27	
sec-Butylbenzene	ug/L	ND	1.0	09/03/13 12:27	
Styrene	ug/L	ND	1.0	09/03/13 12:27	
tert-Butylbenzene	ug/L	ND	1.0	09/03/13 12:27	
Tetrachloroethene	ug/L	ND	1.0	09/03/13 12:27	
Tetrahydrofuran	ug/L	ND	10.0	09/03/13 12:27	
Toluene	ug/L	ND	1.0	09/03/13 12:27	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/03/13 12:27	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/03/13 12:27	
Trichloroethene	ug/L	ND	0.40	09/03/13 12:27	
Trichlorofluoromethane	ug/L	ND	1.0	09/03/13 12:27	
Vinyl chloride	ug/L	ND	0.40	09/03/13 12:27	
Xylene (Total)	ug/L	ND	3.0	09/03/13 12:27	
1,2-Dichloroethane-d4 (S)	%	109	75-125	09/03/13 12:27	
4-Bromofluorobenzene (S)	%	100	75-125	09/03/13 12:27	
Toluene-d8 (S)	%	98	75-125	09/03/13 12:27	

LABORATORY CONTROL SAMPLE: 1515483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.4	92	75-125	
1,1,1-Trichloroethane	ug/L	20	18.2	91	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	17.3	86	75-125	
1,1,2-Trichloroethane	ug/L	20	18.8	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	13.5	67	51-134	
1,1-Dichloroethane	ug/L	20	19.4	97	74-125	
1,1-Dichloroethene	ug/L	20	16.7	84	74-125	
1,1-Dichloropropene	ug/L	20	18.6	93	73-125	
1,2,3-Trichlorobenzene	ug/L	20	17.4	87	75-125	
1,2,3-Trichloropropane	ug/L	20	18.1	91	75-125	
1,2,4-Trichlorobenzene	ug/L	20	17.0	85	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.: 10240026

LABORATORY CONTROL SAMPLE: 1515483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	17.4	87	73-125	
1,2-Dibromo-3-chloropropane	ug/L	50	45.2	90	72-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	90	75-125	
1,2-Dichlorobenzene	ug/L	20	17.7	88	75-125	
1,2-Dichloroethane	ug/L	20	19.7	98	75-125	
1,2-Dichloropropane	ug/L	20	19.3	96	75-125	
1,3,5-Trimethylbenzene	ug/L	20	17.4	87	75-125	
1,3-Dichlorobenzene	ug/L	20	17.4	87	75-125	
1,3-Dichloropropane	ug/L	20	18.3	91	75-125	
1,4-Dichlorobenzene	ug/L	20	17.6	88	74-125	
2,2-Dichloropropane	ug/L	20	19.3	96	70-131	
2-Butanone (MEK)	ug/L	100	96.9	97	61-125	
2-Chloroethylvinyl ether	ug/L	50	47.5	95	38-150	
2-Chlorotoluene	ug/L	20	16.7	84	71-125	
4-Chlorotoluene	ug/L	20	17.3	87	72-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	88.8	89	68-125	
Acetone	ug/L	100	103	103	75-125	
Allyl chloride	ug/L	20	19.4	97	75-128	
Benzene	ug/L	20	18.4	92	74-125	
Bromobenzene	ug/L	20	17.0	85	75-125	
Bromochloromethane	ug/L	20	20.5	103	75-125	
Bromodichloromethane	ug/L	20	20.4	102	75-125	
Bromoform	ug/L	20	19.8	99	75-125	
Bromomethane	ug/L	20	21.2	106	40-150	
Carbon tetrachloride	ug/L	20	18.7	93	75-125	
Chlorobenzene	ug/L	20	17.6	88	75-125	
Chloroethane	ug/L	20	18.0	90	68-128	
Chloroform	ug/L	20	18.8	94	75-125	
Chloromethane	ug/L	20	18.9	94	59-126	
cis-1,2-Dichloroethene	ug/L	20	19.3	97	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.2	101	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	19.6	98	75-125	
Dichlorodifluoromethane	ug/L	20	12.5	63	43-135	
Dichlorofluoromethane	ug/L	20	19.2	96	72-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.3	96	75-125	
Ethylbenzene	ug/L	20	17.4	87	75-125	
Hexachloro-1,3-butadiene	ug/L	20	17.3	87	68-127	
Isopropylbenzene (Cumene)	ug/L	20	17.9	90	75-125	
m&p-Xylene	ug/L	40	35.2	88	74-125	
Methyl-tert-butyl ether	ug/L	20	18.5	93	75-125	
Methylene Chloride	ug/L	20	20.0	100	74-125	
n-Butylbenzene	ug/L	20	17.5	87	71-125	
n-Propylbenzene	ug/L	20	17.2	86	73-125	
Naphthalene	ug/L	20	17.0	85	73-125	
o-Xylene	ug/L	20	17.7	88	74-125	
p-Isopropyltoluene	ug/L	20	17.3	86	73-125	
sec-Butylbenzene	ug/L	20	16.9	84	71-125	

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.: 10240026

LABORATORY CONTROL SAMPLE: 1515483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Styrene	ug/L	20	18.6	93	75-125	
tert-Butylbenzene	ug/L	20	16.5	83	73-125	
Tetrachloroethene	ug/L	20	16.4	82	72-125	
Tetrahydrofuran	ug/L	200	198	99	67-125	
Toluene	ug/L	20	17.5	88	75-125	
trans-1,2-Dichloroethene	ug/L	20	17.3	87	72-126	
trans-1,3-Dichloropropene	ug/L	20	19.9	100	75-125	
Trichloroethene	ug/L	20	17.8	89	75-125	
Trichlorofluoromethane	ug/L	20	16.2	81	71-125	
Vinyl chloride	ug/L	20	18.3	91	69-128	
Xylene (Total)	ug/L	60	52.8	88	74-125	
1,2-Dichloroethane-d4 (S)	%			100	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 1516380

Parameter	Units	10240026002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.4	102	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	23.5	118	75-134	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.0	95	75-125	
1,1,2-Trichloroethane	ug/L	ND	20	19.5	98	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	28.6	143	75-150	
1,1-Dichloroethane	ug/L	ND	20	23.1	115	75-129	
1,1-Dichloroethene	ug/L	ND	20	22.7	113	75-141	
1,1-Dichloropropene	ug/L	ND	20	24.6	123	75-135	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.7	98	72-125	
1,2,3-Trichloropropane	ug/L	ND	20	19.3	97	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	20	19.6	98	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	19.4	97	75-125	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	51.8	104	72-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	19.5	97	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.1	96	75-125	
1,2-Dichloroethane	ug/L	ND	20	21.6	108	75-125	
1,2-Dichloropropane	ug/L	ND	20	21.5	107	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	19.7	99	75-125	
1,3-Dichlorobenzene	ug/L	ND	20	19.0	95	75-125	
1,3-Dichloropropane	ug/L	ND	20	19.2	96	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	19.0	95	75-125	
2,2-Dichloropropane	ug/L	ND	20	24.8	124	72-145	
2-Butanone (MEK)	ug/L	ND	100	111	111	65-125	
2-Chloroethylvinyl ether	ug/L	ND	50	ND	.6	30-150	M1
2-Chlorotoluene	ug/L	ND	20	19.3	96	75-125	
4-Chlorotoluene	ug/L	ND	20	19.7	99	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	99.4	99	72-125	
Acetone	ug/L	ND	100	114	103	75-125	
Allyl chloride	ug/L	ND	20	24.5	122	75-138	

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.: 10240026

MATRIX SPIKE SAMPLE: 1516380

Parameter	Units	10240026002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	20	22.1	111	75-129	
Bromobenzene	ug/L	ND	20	18.8	94	75-125	
Bromochloromethane	ug/L	ND	20	22.8	114	75-125	
Bromodichloromethane	ug/L	ND	20	22.5	113	75-125	
Bromoform	ug/L	ND	20	21.6	108	70-129	
Bromomethane	ug/L	ND	20	22.8	114	41-150	
Carbon tetrachloride	ug/L	ND	20	25.1	126	75-137	
Chlorobenzene	ug/L	ND	20	19.8	99	75-125	
Chloroethane	ug/L	ND	20	23.2	116	75-137	
Chloroform	ug/L	ND	20	22.2	111	75-130	
Chloromethane	ug/L	6.9	20	32.1	126	57-150	
cis-1,2-Dichloroethene	ug/L	ND	20	22.7	113	73-139	
cis-1,3-Dichloropropene	ug/L	ND	20	21.2	106	75-125	
Dibromochloromethane	ug/L	ND	20	20.9	105	75-125	
Dibromomethane	ug/L	ND	20	21.4	107	75-125	
Dichlorodifluoromethane	ug/L	ND	20	27.6	138	72-150	
Dichlorofluoromethane	ug/L	ND	20	24.4	122	75-131	
Diethyl ether (Ethyl ether)	ug/L	ND	20	21.0	105	75-125	
Ethylbenzene	ug/L	ND	20	20.3	101	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	21.5	108	74-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.8	104	75-128	
m&p-Xylene	ug/L	ND	40	40.5	101	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	19.9	99	75-127	
Methylene Chloride	ug/L	ND	20	22.2	111	74-128	
n-Butylbenzene	ug/L	ND	20	20.7	104	75-130	
n-Propylbenzene	ug/L	ND	20	20.5	102	75-127	
Naphthalene	ug/L	ND	20	19.1	96	64-127	
o-Xylene	ug/L	ND	20	19.9	99	75-125	
p-Isopropyltoluene	ug/L	ND	20	20.1	100	75-126	
sec-Butylbenzene	ug/L	ND	20	20.0	100	75-128	
Styrene	ug/L	ND	20	20.4	102	70-129	
tert-Butylbenzene	ug/L	ND	20	19.3	96	75-125	
Tetrachloroethene	ug/L	ND	20	21.5	107	75-132	
Tetrahydrofuran	ug/L	ND	200	203	101	68-125	
Toluene	ug/L	ND	20	20.2	101	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	21.6	108	75-140	
trans-1,3-Dichloropropene	ug/L	ND	20	20.5	102	75-125	
Trichloroethene	ug/L	ND	20	22.1	111	75-135	
Trichlorofluoromethane	ug/L	ND	20	26.6	133	75-148	
Vinyl chloride	ug/L	ND	20	25.3	127	75-144	
Xylene (Total)	ug/L	ND	60	60.4	101	75-125	
1,2-Dichloroethane-d4 (S)	%				102	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Toluene-d8 (S)	%				94	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.: 10240026

SAMPLE DUPLICATE: 1516379

Parameter	Units	10240026001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chloroethylvinyl ether	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	14.3J		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	

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.: 10240026

SAMPLE DUPLICATE: 1516379

Parameter	Units	10240026001 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	1.3		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	36.1	36.1	.1	30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	111	109	2		
4-Bromofluorobenzene (S)	%	101	101	.2		
Toluene-d8 (S)	%	96	97	.3		

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.: 10240026

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 10240026

[1] Samples in this workorder were received in the laboratory without an associated trip blank.

ANALYTE QUALIFIERS

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240026

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10240026001	**AS - INFLUENT**	EPA 624	MSV/24835		
10240026002	**AS - EFFLUENT**	EPA 624	MSV/24835		

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.

1139

10240076

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 ☐ THER_____

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

Section D Required Client Information

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 (One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE)	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	8/26/13					3									X	001
2	AS-Effluent	W	G	8/26/13					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
			DAVID RACE	8/27/13	1653

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: **F-MN-L-213-rev.06**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: (ere)nor IC

Project #: WO# : 10240026

10240026

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

Tracking Number: _____

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

Optional: Proj. Due Date: Proj. Name:

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

Thermom. Used: ☒B88A912167504 ☐80512447 ☐72337080 **Type of Ice:** ☒Wet ☐Blue ☐None ☐Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.3 **Cooler Temp Corrected (°C):** 4.8

Temp should be above freezing to 6°C **Correction Factor:** +0.5 **Date and Initials of Person Examining Contents:** 8/27/13

Biological Tissue Frozen? ☐Yes ☐No

Comments:

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

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: CMM **Date:** 8-28-13

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

September 13, 2013

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2013. 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,

Carol Davy

carol.davy@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.: 10240025

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
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
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 York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
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.: 10240025

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10240025001	**MW-17**	Water	08/26/13 16:26	08/27/13 16:53
10240025002	**MW-18**	Water	08/26/13 16:19	08/27/13 16:53
10240025003	**DPE-1**	Water	08/26/13 13:45	08/27/13 16:53
10240025004	**DPE-2**	Water	08/26/13 14:56	08/27/13 16:53
10240025005	**DPE-3**	Water	08/26/13 14:20	08/27/13 16:53
10240025006	**DPE-4**	Water	08/26/13 14:15	08/27/13 16:53
10240025007	**DPE-5**	Water	08/26/13 14:00	08/27/13 16:53
10240025008	**DPE-6**	Water	08/26/13 13:55	08/27/13 16:53
10240025009	**DPE-7**	Water	08/26/13 13:45	08/27/13 16:53
10240025010	**DPE-8**	Water	08/26/13 14:10	08/27/13 16:53
10240025011	**MW-15**	Water	08/26/13 15:15	08/27/13 16:53
10240025012	**MW-16**	Water	08/26/13 15:32	08/27/13 16:53
10240025013	**MW-14**	Water	08/26/13 15:00	08/27/13 16:53
10240025014	**MW-19**	Water	08/26/13 14:40	08/27/13 16:53
10240025015	**MW-20**	Water	08/26/13 15:25	08/27/13 16:53

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

SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10240025001	**MW-17**	EPA 8260	LPM	70
10240025002	**MW-18**	EPA 8260	LPM	70
10240025003	**DPE-1**	EPA 8260	LPM	70
10240025004	**DPE-2**	EPA 8260	LPM	70
10240025005	**DPE-3**	EPA 8260	LPM	70
10240025006	**DPE-4**	EPA 8260	LPM	70
10240025007	**DPE-5**	EPA 8260	LPM	70
10240025008	**DPE-6**	EPA 8260	LPM	70
10240025009	**DPE-7**	EPA 8260	LPM	70
10240025010	**DPE-8**	EPA 8260	LPM	70
10240025011	**MW-15**	EPA 8260	LPM	70
10240025012	**MW-16**	EPA 8260	LPM	70
10240025013	**MW-14**	EPA 8260	LPM	70
10240025014	**MW-19**	EPA 8260	LPM	70
10240025015	**MW-20**	EPA 8260	LPM	70

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.: 10240025

Sample: MW-17 **Lab ID: 10240025001** Collected: 08/26/13 16:26 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/04/13 15:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/04/13 15:04	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/13 15:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/04/13 15:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/04/13 15:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/13 15:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/04/13 15:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/04/13 15:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/13 15:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/13 15:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/13 15:04	75-00-3	
Chloroform	**2.0**	ug/L	1.0	1		09/04/13 15:04	67-66-3	
Chloromethane	**6.1**	ug/L	4.0	1		09/04/13 15:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/04/13 15:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/13 15:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/13 15:04	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/04/13 15:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/04/13 15:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:04	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/13 15:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/04/13 15:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/04/13 15:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/04/13 15:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/04/13 15:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/04/13 15:04	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/04/13 15:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/13 15:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/04/13 15:04	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-17 **Lab ID: 10240025001** Collected: 08/26/13 16:26 Received: 08/27/13 16:53 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		09/04/13 15:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	103-65-1	
Styrene	ND	ug/L	1.0	1		09/04/13 15:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:04	79-34-5	
Tetrachloroethene	**95.5**	ug/L	1.0	1		09/04/13 15:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/13 15:04	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/13 15:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:04	79-00-5	
Trichloroethene	**0.42**	ug/L	0.40	1		09/04/13 15:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/04/13 15:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	**10.8**	ug/L	1.0	1		09/04/13 15:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:04	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/04/13 15:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/04/13 15:04	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/04/13 15:04	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/04/13 15:04	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/04/13 15:04	460-00-4	

Sample: MW-18 **Lab ID: 10240025002** Collected: 08/26/13 16:19 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 07:27	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 07:27	107-05-1	
Benzene	ND	ug/L	1.0	1		09/02/13 07:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 07:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 07:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 07:27	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 07:27	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 07:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 07:27	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 07:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 07:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/13 07:27	67-66-3	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-18 **Lab ID: 10240025002** Collected: 08/26/13 16:19 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Chloromethane	**5.0**	ug/L	4.0	1		09/02/13 07:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 07:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 07:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 07:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 07:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 07:27	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 07:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 07:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 07:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 07:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 07:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 07:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 07:27	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 07:27	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 07:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 07:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 07:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 07:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 07:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 07:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 07:27	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 07:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 07:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 07:27	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 07:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 07:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 07:27	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 07:27	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/13 07:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 07:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 07:27	79-34-5	
Tetrachloroethene	**1.5**	ug/L	1.0	1		09/02/13 07:27	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 07:27	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 07:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 07:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 07:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 07:27	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 07:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 07:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 07:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/02/13 07:27	76-13-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-18 **Lab ID: 10240025002** Collected: 08/26/13 16:19 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 07:27	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 07:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 07:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	117	%	75-125	1		09/02/13 07:27	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/02/13 07:27	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/02/13 07:27	460-00-4	

Sample: DPE-1 **Lab ID: 10240025003** Collected: 08/26/13 13:45 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/04/13 15:50	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/04/13 15:50	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/13 15:50	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/04/13 15:50	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/04/13 15:50	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/13 15:50	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/04/13 15:50	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/04/13 15:50	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/13 15:50	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/13 15:50	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/13 15:50	75-00-3	
Chloroform	**1.1**	ug/L	1.0	1		09/04/13 15:50	67-66-3	
Chloromethane	**10.6**	ug/L	4.0	1		09/04/13 15:50	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:50	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:50	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/04/13 15:50	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/13 15:50	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/13 15:50	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/04/13 15:50	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/04/13 15:50	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:50	75-35-4	
cis-1,2-Dichloroethene	**1.8**	ug/L	1.0	1		09/04/13 15:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:50	156-60-5	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-1 **Lab ID: 10240025003** Collected: 08/26/13 13:45 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Dichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:50	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:50	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/13 15:50	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:50	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/04/13 15:50	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:50	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:50	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/04/13 15:50	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/04/13 15:50	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/04/13 15:50	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/04/13 15:50	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/04/13 15:50	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/13 15:50	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/04/13 15:50	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/04/13 15:50	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	103-65-1	
Styrene	ND	ug/L	1.0	1		09/04/13 15:50	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:50	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:50	79-34-5	
Tetrachloroethene	**265**	ug/L	2.0	2		09/06/13 06:01	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/13 15:50	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/13 15:50	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:50	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:50	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:50	79-00-5	
Trichloroethene	**0.84**	ug/L	0.40	1		09/04/13 15:50	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:50	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/04/13 15:50	96-18-4	
1,1,2-Trichlorotrifluoroethane	**35.8**	ug/L	1.0	1		09/04/13 15:50	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:50	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/04/13 15:50	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/04/13 15:50	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	75-125	1		09/04/13 15:50	17060-07-0	
Toluene-d8 (S)	104	%	75-125	1		09/04/13 15:50	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/04/13 15:50	460-00-4	

Sample: DPE-2 **Lab ID: 10240025004** Collected: 08/26/13 14:56 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/04/13 15:27	67-64-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-2 **Lab ID: 10240025004** Collected: 08/26/13 14:56 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Allyl chloride	ND	ug/L	4.0	1		09/04/13 15:27	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/13 15:27	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/04/13 15:27	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/04/13 15:27	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/13 15:27	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/04/13 15:27	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/04/13 15:27	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/13 15:27	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/13 15:27	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/13 15:27	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/13 15:27	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/04/13 15:27	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:27	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 15:27	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/04/13 15:27	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/13 15:27	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/13 15:27	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/04/13 15:27	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/04/13 15:27	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:27	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/13 15:27	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:27	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:27	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 15:27	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:27	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:27	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/13 15:27	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 15:27	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/04/13 15:27	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:27	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 15:27	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/04/13 15:27	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/04/13 15:27	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/04/13 15:27	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/04/13 15:27	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/04/13 15:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/13 15:27	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/04/13 15:27	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/04/13 15:27	91-20-3	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-2 **Lab ID: 10240025004** Collected: 08/26/13 14:56 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
n-Propylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	103-65-1	
Styrene	ND	ug/L	1.0	1		09/04/13 15:27	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:27	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 15:27	79-34-5	
Tetrachloroethene	**184**	ug/L	2.0	2		09/06/13 06:24	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/13 15:27	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/13 15:27	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 15:27	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:27	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/13 15:27	79-00-5	
Trichloroethene	**0.45**	ug/L	0.40	1		09/04/13 15:27	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 15:27	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/04/13 15:27	96-18-4	
1,1,2-Trichlorotrifluoroethane	**25.6**	ug/L	1.0	1		09/04/13 15:27	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 15:27	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/04/13 15:27	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/04/13 15:27	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		09/04/13 15:27	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/04/13 15:27	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/04/13 15:27	460-00-4	

Sample: DPE-3 **Lab ID: 10240025005** Collected: 08/26/13 14:20 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	1000	50		09/04/13 21:13	67-64-1	
Allyl chloride	ND	ug/L	200	50		09/04/13 21:13	107-05-1	
Benzene	ND	ug/L	50.0	50		09/04/13 21:13	71-43-2	
Bromobenzene	ND	ug/L	50.0	50		09/04/13 21:13	108-86-1	
Bromochloromethane	ND	ug/L	50.0	50		09/04/13 21:13	74-97-5	
Bromodichloromethane	ND	ug/L	50.0	50		09/04/13 21:13	75-27-4	
Bromoform	ND	ug/L	200	50		09/04/13 21:13	75-25-2	
Bromomethane	ND	ug/L	200	50		09/04/13 21:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	250	50		09/04/13 21:13	78-93-3	
n-Butylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	104-51-8	
sec-Butylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	135-98-8	
tert-Butylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	98-06-6	
Carbon tetrachloride	ND	ug/L	50.0	50		09/04/13 21:13	56-23-5	
Chlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	108-90-7	
Chloroethane	ND	ug/L	50.0	50		09/04/13 21:13	75-00-3	
Chloroform	ND	ug/L	50.0	50		09/04/13 21:13	67-66-3	
Chloromethane	**272**	ug/L	200	50		09/04/13 21:13	74-87-3	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-3 **Lab ID: 10240025005** Collected: 08/26/13 14:20 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
2-Chlorotoluene	ND	ug/L	50.0	50		09/04/13 21:13	95-49-8	
4-Chlorotoluene	ND	ug/L	50.0	50		09/04/13 21:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	200	50		09/04/13 21:13	96-12-8	
Dibromochloromethane	ND	ug/L	50.0	50		09/04/13 21:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	50.0	50		09/04/13 21:13	106-93-4	
Dibromomethane	ND	ug/L	200	50		09/04/13 21:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	50.0	50		09/04/13 21:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	50.0	50		09/04/13 21:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	50		09/04/13 21:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	50		09/04/13 21:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	50.0	50		09/04/13 21:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	50		09/04/13 21:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	50.0	50		09/04/13 21:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	200	50		09/04/13 21:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	50.0	50		09/04/13 21:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	200	50		09/04/13 21:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	50.0	50		09/04/13 21:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	200	50		09/04/13 21:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	200	50		09/04/13 21:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	200	50		09/04/13 21:13	60-29-7	
Ethylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	50.0	50		09/04/13 21:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	50.0	50		09/04/13 21:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	50.0	50		09/04/13 21:13	99-87-6	
Methylene Chloride	ND	ug/L	200	50		09/04/13 21:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	250	50		09/04/13 21:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	50.0	50		09/04/13 21:13	1634-04-4	
Naphthalene	ND	ug/L	200	50		09/04/13 21:13	91-20-3	
n-Propylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	103-65-1	
Styrene	ND	ug/L	50.0	50		09/04/13 21:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	50.0	50		09/04/13 21:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	50.0	50		09/04/13 21:13	79-34-5	
Tetrachloroethene	**6980**	ug/L	50.0	50		09/04/13 21:13	127-18-4	
Tetrahydrofuran	ND	ug/L	500	50		09/04/13 21:13	109-99-9	
Toluene	ND	ug/L	50.0	50		09/04/13 21:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	50.0	50		09/04/13 21:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	50.0	50		09/04/13 21:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	50.0	50		09/04/13 21:13	79-00-5	
Trichloroethene	ND	ug/L	20.0	50		09/04/13 21:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	50.0	50		09/04/13 21:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	200	50		09/04/13 21:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	**686**	ug/L	50.0	50		09/04/13 21:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	95-63-6	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-3 **Lab ID: 10240025005** Collected: 08/26/13 14:20 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,3,5-Trimethylbenzene	ND	ug/L	50.0	50		09/04/13 21:13	108-67-8	
Vinyl chloride	ND	ug/L	20.0	50		09/04/13 21:13	75-01-4	
Xylene (Total)	ND	ug/L	150	50		09/04/13 21:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	111	%	75-125	50		09/04/13 21:13	17060-07-0	
Toluene-d8 (S)	104	%	75-125	50		09/04/13 21:13	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	50		09/04/13 21:13	460-00-4	

Sample: DPE-4 **Lab ID: 10240025006** Collected: 08/26/13 14:15 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	200	10		09/02/13 00:14	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		09/02/13 00:14	107-05-1	
Benzene	ND	ug/L	10.0	10		09/02/13 00:14	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		09/02/13 00:14	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		09/02/13 00:14	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		09/02/13 00:14	75-27-4	
Bromoform	ND	ug/L	40.0	10		09/02/13 00:14	75-25-2	
Bromomethane	ND	ug/L	40.0	10		09/02/13 00:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	50.0	10		09/02/13 00:14	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	98-06-6	
Carbon tetrachloride	ND	ug/L	10.0	10		09/02/13 00:14	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	108-90-7	
Chloroethane	ND	ug/L	10.0	10		09/02/13 00:14	75-00-3	
Chloroform	ND	ug/L	10.0	10		09/02/13 00:14	67-66-3	
Chloromethane	**451**	ug/L	40.0	10		09/02/13 00:14	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		09/02/13 00:14	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		09/02/13 00:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		09/02/13 00:14	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		09/02/13 00:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		09/02/13 00:14	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		09/02/13 00:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		09/02/13 00:14	75-71-8	M1
1,1-Dichloroethane	ND	ug/L	10.0	10		09/02/13 00:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		09/02/13 00:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		09/02/13 00:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		09/02/13 00:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		09/02/13 00:14	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		09/02/13 00:14	75-43-4	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-4 **Lab ID: 10240025006** Collected: 08/26/13 14:15 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,2-Dichloropropane	ND	ug/L	40.0	10		09/02/13 00:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		09/02/13 00:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		09/02/13 00:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		09/02/13 00:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		09/02/13 00:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		09/02/13 00:14	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		09/02/13 00:14	60-29-7	
Ethylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	10		09/02/13 00:14	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		09/02/13 00:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		09/02/13 00:14	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		09/02/13 00:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	50.0	10		09/02/13 00:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		09/02/13 00:14	1634-04-4	
Naphthalene	ND	ug/L	40.0	10		09/02/13 00:14	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	103-65-1	
Styrene	ND	ug/L	10.0	10		09/02/13 00:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		09/02/13 00:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		09/02/13 00:14	79-34-5	
Tetrachloroethene	**982**	ug/L	10.0	10		09/02/13 00:14	127-18-4	
Tetrahydrofuran	ND	ug/L	100	10		09/02/13 00:14	109-99-9	
Toluene	ND	ug/L	10.0	10		09/02/13 00:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		09/02/13 00:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		09/02/13 00:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		09/02/13 00:14	79-00-5	
Trichloroethene	ND	ug/L	4.0	10		09/02/13 00:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		09/02/13 00:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	40.0	10		09/02/13 00:14	96-18-4	
1,1,2-Trichlorotrifluoroethane	**144**	ug/L	10.0	10		09/02/13 00:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		09/02/13 00:14	108-67-8	
Vinyl chloride	ND	ug/L	4.0	10		09/02/13 00:14	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		09/02/13 00:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	114	%	75-125	10		09/02/13 00:14	17060-07-0	
Toluene-d8 (S)	99	%	75-125	10		09/02/13 00:14	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	10		09/02/13 00:14	460-00-4	

Sample: DPE-5 **Lab ID: 10240025007** Collected: 08/26/13 14:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 03:02	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 03:02	107-05-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-5 **Lab ID: 10240025007** Collected: 08/26/13 14:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Benzene	ND	ug/L	1.0	1		09/02/13 03:02	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 03:02	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 03:02	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 03:02	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 03:02	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 03:02	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 03:02	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 03:02	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 03:02	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/13 03:02	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/02/13 03:02	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 03:02	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 03:02	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 03:02	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 03:02	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 03:02	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 03:02	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 03:02	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 03:02	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 03:02	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 03:02	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 03:02	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 03:02	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 03:02	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 03:02	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 03:02	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 03:02	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 03:02	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 03:02	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 03:02	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 03:02	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 03:02	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 03:02	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 03:02	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 03:02	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 03:02	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 03:02	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 03:02	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	103-65-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-5 **Lab ID: 10240025007** Collected: 08/26/13 14:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Styrene	ND	ug/L	1.0	1		09/02/13 03:02	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 03:02	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 03:02	79-34-5	
Tetrachloroethene	**29.5**	ug/L	1.0	1		09/02/13 03:02	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 03:02	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 03:02	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 03:02	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 03:02	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 03:02	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 03:02	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 03:02	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 03:02	96-18-4	
1,1,2-Trichlorotrifluoroethane	**7.0**	ug/L	1.0	1		09/02/13 03:02	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 03:02	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 03:02	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 03:02	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	75-125	1		09/02/13 03:02	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		09/02/13 03:02	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/02/13 03:02	460-00-4	

Sample: DPE-6 **Lab ID: 10240025008** Collected: 08/26/13 13:55 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 02:14	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 02:14	107-05-1	
Benzene	ND	ug/L	1.0	1		09/02/13 02:14	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 02:14	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 02:14	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 02:14	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 02:14	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 02:14	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 02:14	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 02:14	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 02:14	75-00-3	
Chloroform	**1.3**	ug/L	1.0	1		09/02/13 02:14	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/02/13 02:14	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 02:14	95-49-8	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-6 **Lab ID: 10240025008** Collected: 08/26/13 13:55 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 02:14	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 02:14	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 02:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 02:14	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 02:14	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 02:14	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 02:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 02:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:14	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 02:14	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 02:14	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 02:14	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 02:14	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 02:14	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 02:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 02:14	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 02:14	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 02:14	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 02:14	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 02:14	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 02:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 02:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 02:14	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 02:14	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/13 02:14	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 02:14	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 02:14	79-34-5	
Tetrachloroethene	**4.0**	ug/L	1.0	1		09/02/13 02:14	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 02:14	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 02:14	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:14	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 02:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 02:14	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 02:14	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 02:14	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 02:14	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/02/13 02:14	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 02:14	108-67-8	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-6 **Lab ID: 10240025008** Collected: 08/26/13 13:55 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 02:14	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 02:14	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	75-125	1		09/02/13 02:14	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/02/13 02:14	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/02/13 02:14	460-00-4	

Sample: DPE-7 **Lab ID: 10240025009** Collected: 08/26/13 13:45 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 02:38	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 02:38	107-05-1	
Benzene	ND	ug/L	1.0	1		09/02/13 02:38	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 02:38	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 02:38	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 02:38	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 02:38	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 02:38	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 02:38	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 02:38	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 02:38	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/13 02:38	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/02/13 02:38	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 02:38	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 02:38	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 02:38	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 02:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 02:38	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 02:38	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 02:38	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 02:38	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 02:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 02:38	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 02:38	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 02:38	78-87-5	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-7 **Lab ID: 10240025009** Collected: 08/26/13 13:45 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 02:38	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 02:38	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 02:38	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 02:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 02:38	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 02:38	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 02:38	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 02:38	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 02:38	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 02:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 02:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 02:38	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 02:38	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/13 02:38	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 02:38	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 02:38	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/02/13 02:38	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 02:38	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 02:38	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 02:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 02:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 02:38	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 02:38	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 02:38	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 02:38	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/02/13 02:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 02:38	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 02:38	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 02:38	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	116	%	75-125	1		09/02/13 02:38	17060-07-0	
Toluene-d8 (S)	98	%	75-125	1		09/02/13 02:38	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		09/02/13 02:38	460-00-4	

Sample: DPE-8 **Lab ID: 10240025010** Collected: 08/26/13 14:10 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	40.0	2		09/02/13 01:26	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		09/02/13 01:26	107-05-1	
Benzene	ND	ug/L	2.0	2		09/02/13 01:26	71-43-2	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-8 **Lab ID: 10240025010** Collected: 08/26/13 14:10 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Bromobenzene	ND	ug/L	2.0	2		09/02/13 01:26	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		09/02/13 01:26	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		09/02/13 01:26	75-27-4	
Bromoform	ND	ug/L	8.0	2		09/02/13 01:26	75-25-2	
Bromomethane	ND	ug/L	8.0	2		09/02/13 01:26	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	2		09/02/13 01:26	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		09/02/13 01:26	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	108-90-7	
Chloroethane	ND	ug/L	2.0	2		09/02/13 01:26	75-00-3	
Chloroform	ND	ug/L	2.0	2		09/02/13 01:26	67-66-3	
Chloromethane	ND	ug/L	8.0	2		09/02/13 01:26	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		09/02/13 01:26	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		09/02/13 01:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		09/02/13 01:26	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		09/02/13 01:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		09/02/13 01:26	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		09/02/13 01:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		09/02/13 01:26	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		09/02/13 01:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		09/02/13 01:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		09/02/13 01:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		09/02/13 01:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		09/02/13 01:26	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		09/02/13 01:26	75-43-4	
1,2-Dichloropropane	ND	ug/L	8.0	2		09/02/13 01:26	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		09/02/13 01:26	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		09/02/13 01:26	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		09/02/13 01:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		09/02/13 01:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		09/02/13 01:26	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		09/02/13 01:26	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	2.0	2		09/02/13 01:26	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		09/02/13 01:26	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		09/02/13 01:26	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		09/02/13 01:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		09/02/13 01:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		09/02/13 01:26	1634-04-4	
Naphthalene	ND	ug/L	8.0	2		09/02/13 01:26	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	103-65-1	
Styrene	ND	ug/L	2.0	2		09/02/13 01:26	100-42-5	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: DPE-8 **Lab ID: 10240025010** Collected: 08/26/13 14:10 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		09/02/13 01:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		09/02/13 01:26	79-34-5	
Tetrachloroethene	**291**	ug/L	2.0	2		09/02/13 01:26	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		09/02/13 01:26	109-99-9	
Toluene	ND	ug/L	2.0	2		09/02/13 01:26	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		09/02/13 01:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		09/02/13 01:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		09/02/13 01:26	79-00-5	
Trichloroethene	ND	ug/L	0.80	2		09/02/13 01:26	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		09/02/13 01:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	2		09/02/13 01:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	**36.4**	ug/L	2.0	2		09/02/13 01:26	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		09/02/13 01:26	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		09/02/13 01:26	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		09/02/13 01:26	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	115	%	75-125	2		09/02/13 01:26	17060-07-0	
Toluene-d8 (S)	100	%	75-125	2		09/02/13 01:26	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	2		09/02/13 01:26	460-00-4	

Sample: MW-15 **Lab ID: 10240025011** Collected: 08/26/13 15:15 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/04/13 16:13	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/04/13 16:13	107-05-1	
Benzene	ND	ug/L	1.0	1		09/04/13 16:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/04/13 16:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/04/13 16:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/04/13 16:13	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/04/13 16:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/04/13 16:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/04/13 16:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/04/13 16:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/04/13 16:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/04/13 16:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/04/13 16:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 16:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/04/13 16:13	106-43-4	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-15 **Lab ID: 10240025011** Collected: 08/26/13 15:15 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/04/13 16:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/04/13 16:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/04/13 16:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/04/13 16:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/04/13 16:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/04/13 16:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/04/13 16:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/04/13 16:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 16:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/04/13 16:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 16:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 16:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/04/13 16:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/04/13 16:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/04/13 16:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 16:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/04/13 16:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/04/13 16:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/04/13 16:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/04/13 16:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/04/13 16:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/04/13 16:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/04/13 16:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/04/13 16:13	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/04/13 16:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	103-65-1	
Styrene	ND	ug/L	1.0	1		09/04/13 16:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 16:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/04/13 16:13	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		09/06/13 00:06	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/04/13 16:13	109-99-9	
Toluene	ND	ug/L	1.0	1		09/04/13 16:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/04/13 16:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/04/13 16:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/04/13 16:13	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/04/13 16:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/04/13 16:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/04/13 16:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/04/13 16:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/04/13 16:13	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/04/13 16:13	75-01-4	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-15 **Lab ID: 10240025011** Collected: 08/26/13 15:15 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Xylene (Total)	ND	ug/L	3.0	1		09/04/13 16:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		09/04/13 16:13	17060-07-0	
Toluene-d8 (S)	104	%	75-125	1		09/04/13 16:13	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		09/04/13 16:13	460-00-4	

Sample: MW-16 **Lab ID: 10240025012** Collected: 08/26/13 15:32 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	5		09/11/13 23:11	67-64-1	H1
Allyl chloride	ND	ug/L	20.0	5		09/11/13 23:11	107-05-1	H1
Benzene	ND	ug/L	5.0	5		09/11/13 23:11	71-43-2	H1
Bromobenzene	ND	ug/L	5.0	5		09/11/13 23:11	108-86-1	H1
Bromochloromethane	ND	ug/L	5.0	5		09/11/13 23:11	74-97-5	H1
Bromodichloromethane	ND	ug/L	5.0	5		09/11/13 23:11	75-27-4	H1
Bromoform	ND	ug/L	20.0	5		09/11/13 23:11	75-25-2	H1
Bromomethane	ND	ug/L	20.0	5		09/11/13 23:11	74-83-9	H1
2-Butanone (MEK)	ND	ug/L	25.0	5		09/11/13 23:11	78-93-3	H1
n-Butylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	104-51-8	H1
sec-Butylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	135-98-8	H1
tert-Butylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	98-06-6	H1
Carbon tetrachloride	ND	ug/L	5.0	5		09/11/13 23:11	56-23-5	H1
Chlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	108-90-7	H1
Chloroethane	ND	ug/L	5.0	5		09/11/13 23:11	75-00-3	H1
Chloroform	ND	ug/L	5.0	5		09/11/13 23:11	67-66-3	H1
Chloromethane	**456**	ug/L	20.0	5		09/11/13 23:11	74-87-3	H1
2-Chlorotoluene	ND	ug/L	5.0	5		09/11/13 23:11	95-49-8	H1
4-Chlorotoluene	ND	ug/L	5.0	5		09/11/13 23:11	106-43-4	H1
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		09/11/13 23:11	96-12-8	H1
Dibromochloromethane	ND	ug/L	5.0	5		09/11/13 23:11	124-48-1	H1
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		09/11/13 23:11	106-93-4	H1
Dibromomethane	ND	ug/L	20.0	5		09/11/13 23:11	74-95-3	H1
1,2-Dichlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	95-50-1	H1
1,3-Dichlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	541-73-1	H1
1,4-Dichlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	106-46-7	H1
Dichlorodifluoromethane	ND	ug/L	5.0	5		09/11/13 23:11	75-71-8	H1
1,1-Dichloroethane	ND	ug/L	5.0	5		09/11/13 23:11	75-34-3	H1
1,2-Dichloroethane	ND	ug/L	5.0	5		09/11/13 23:11	107-06-2	H1
1,1-Dichloroethene	ND	ug/L	5.0	5		09/11/13 23:11	75-35-4	H1
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		09/11/13 23:11	156-59-2	H1
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		09/11/13 23:11	156-60-5	H1
Dichlorofluoromethane	ND	ug/L	5.0	5		09/11/13 23:11	75-43-4	H1
1,2-Dichloropropane	ND	ug/L	20.0	5		09/11/13 23:11	78-87-5	H1
1,3-Dichloropropane	ND	ug/L	5.0	5		09/11/13 23:11	142-28-9	H1

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-16 **Lab ID: 10240025012** Collected: 08/26/13 15:32 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
2,2-Dichloropropane	ND	ug/L	20.0	5		09/11/13 23:11	594-20-7	H1
1,1-Dichloropropene	ND	ug/L	5.0	5		09/11/13 23:11	563-58-6	H1
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		09/11/13 23:11	10061-01-5	H1
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		09/11/13 23:11	10061-02-6	H1
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		09/11/13 23:11	60-29-7	H1
Ethylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	100-41-4	H1
Hexachloro-1,3-butadiene	ND	ug/L	5.0	5		09/11/13 23:11	87-68-3	H1
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		09/11/13 23:11	98-82-8	H1
p-Isopropyltoluene	ND	ug/L	5.0	5		09/11/13 23:11	99-87-6	H1
Methylene Chloride	ND	ug/L	20.0	5		09/11/13 23:11	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		09/11/13 23:11	108-10-1	H1
Methyl-tert-butyl ether	ND	ug/L	5.0	5		09/11/13 23:11	1634-04-4	H1
Naphthalene	ND	ug/L	20.0	5		09/11/13 23:11	91-20-3	H1
n-Propylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	103-65-1	H1
Styrene	ND	ug/L	5.0	5		09/11/13 23:11	100-42-5	H1
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		09/11/13 23:11	630-20-6	H1
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		09/11/13 23:11	79-34-5	H1
Tetrachloroethene	**469**	ug/L	5.0	5		09/11/13 23:11	127-18-4	H1
Tetrahydrofuran	ND	ug/L	50.0	5		09/11/13 23:11	109-99-9	H1
Toluene	ND	ug/L	5.0	5		09/11/13 23:11	108-88-3	H1
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	87-61-6	H1
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		09/11/13 23:11	120-82-1	H1
1,1,1-Trichloroethane	ND	ug/L	5.0	5		09/11/13 23:11	71-55-6	H1
1,1,2-Trichloroethane	ND	ug/L	5.0	5		09/11/13 23:11	79-00-5	H1
Trichloroethene	ND	ug/L	2.0	5		09/11/13 23:11	79-01-6	H1
Trichlorofluoromethane	ND	ug/L	5.0	5		09/11/13 23:11	75-69-4	H1
1,2,3-Trichloropropane	ND	ug/L	20.0	5		09/11/13 23:11	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**33.0**	ug/L	5.0	5		09/11/13 23:11	76-13-1	H1
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	95-63-6	H1
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		09/11/13 23:11	108-67-8	H1
Vinyl chloride	ND	ug/L	2.0	5		09/11/13 23:11	75-01-4	H1
Xylene (Total)	ND	ug/L	15.0	5		09/11/13 23:11	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	94	%	75-125	5		09/11/13 23:11	17060-07-0	
Toluene-d8 (S)	104	%	75-125	5		09/11/13 23:11	2037-26-5	
4-Bromofluorobenzene (S)	106	%	75-125	5		09/11/13 23:11	460-00-4	

Sample: MW-14 **Lab ID: 10240025013** Collected: 08/26/13 15:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 12:51	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 12:51	107-05-1	
Benzene	ND	ug/L	1.0	1		09/02/13 12:51	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 12:51	108-86-1	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-14 **Lab ID: 10240025013** Collected: 08/26/13 15:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 12:51	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 12:51	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 12:51	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 12:51	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 12:51	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 12:51	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 12:51	75-00-3	
Chloroform	**2.3**	ug/L	1.0	1		09/02/13 12:51	67-66-3	
Chloromethane	ND	ug/L	4.0	1		09/02/13 12:51	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 12:51	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 12:51	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 12:51	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 12:51	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 12:51	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 12:51	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 12:51	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 12:51	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 12:51	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 12:51	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 12:51	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 12:51	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 12:51	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 12:51	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 12:51	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 12:51	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 12:51	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 12:51	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 12:51	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 12:51	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 12:51	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 12:51	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 12:51	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 12:51	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 12:51	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 12:51	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 12:51	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/13 12:51	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 12:51	630-20-6	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-14 **Lab ID: 10240025013** Collected: 08/26/13 15:00 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 12:51	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	1		09/02/13 12:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 12:51	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 12:51	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 12:51	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 12:51	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 12:51	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 12:51	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 12:51	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 12:51	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/02/13 12:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 12:51	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 12:51	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 12:51	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		09/02/13 12:51	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/02/13 12:51	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		09/02/13 12:51	460-00-4	

Sample: MW-19 **Lab ID: 10240025014** Collected: 08/26/13 14:40 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/02/13 13:16	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		09/02/13 13:16	107-05-1	
Benzene	ND	ug/L	1.0	1		09/02/13 13:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		09/02/13 13:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		09/02/13 13:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		09/02/13 13:16	75-27-4	
Bromoform	ND	ug/L	4.0	1		09/02/13 13:16	75-25-2	
Bromomethane	ND	ug/L	4.0	1		09/02/13 13:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		09/02/13 13:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		09/02/13 13:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	108-90-7	
Chloroethane	ND	ug/L	1.0	1		09/02/13 13:16	75-00-3	
Chloroform	ND	ug/L	1.0	1		09/02/13 13:16	67-66-3	
Chloromethane	**4.3**	ug/L	4.0	1		09/02/13 13:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 13:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		09/02/13 13:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/02/13 13:16	96-12-8	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-19 **Lab ID: 10240025014** Collected: 08/26/13 14:40 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Dibromochloromethane	ND	ug/L	1.0	1		09/02/13 13:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/02/13 13:16	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		09/02/13 13:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/02/13 13:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		09/02/13 13:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		09/02/13 13:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		09/02/13 13:16	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 13:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/02/13 13:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 13:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 13:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		09/02/13 13:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		09/02/13 13:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		09/02/13 13:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 13:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/02/13 13:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/02/13 13:16	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/02/13 13:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/02/13 13:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		09/02/13 13:16	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		09/02/13 13:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/02/13 13:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/02/13 13:16	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		09/02/13 13:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	103-65-1	
Styrene	ND	ug/L	1.0	1		09/02/13 13:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 13:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/02/13 13:16	79-34-5	
Tetrachloroethene	**1.7**	ug/L	1.0	1		09/02/13 13:16	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		09/02/13 13:16	109-99-9	
Toluene	ND	ug/L	1.0	1		09/02/13 13:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/02/13 13:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/02/13 13:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/02/13 13:16	79-00-5	
Trichloroethene	ND	ug/L	0.40	1		09/02/13 13:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		09/02/13 13:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/02/13 13:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		09/02/13 13:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/02/13 13:16	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		09/02/13 13:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		09/02/13 13:16	1330-20-7	

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-19 **Lab ID: 10240025014** Collected: 08/26/13 14:40 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	75-125	1		09/02/13 13:16	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/02/13 13:16	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		09/02/13 13:16	460-00-4	

Sample: MW-20 **Lab ID: 10240025015** Collected: 08/26/13 15:25 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	20.0	1		09/11/13 16:15	67-64-1	H1
Allyl chloride	ND	ug/L	4.0	1		09/11/13 16:15	107-05-1	H1
Benzene	ND	ug/L	1.0	1		09/11/13 16:15	71-43-2	H1
Bromobenzene	ND	ug/L	1.0	1		09/11/13 16:15	108-86-1	H1
Bromochloromethane	ND	ug/L	1.0	1		09/11/13 16:15	74-97-5	H1
Bromodichloromethane	ND	ug/L	1.0	1		09/11/13 16:15	75-27-4	H1
Bromoform	ND	ug/L	4.0	1		09/11/13 16:15	75-25-2	H1
Bromomethane	ND	ug/L	4.0	1		09/11/13 16:15	74-83-9	H1
2-Butanone (MEK)	ND	ug/L	5.0	1		09/11/13 16:15	78-93-3	H1
n-Butylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	104-51-8	H1
sec-Butylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	135-98-8	H1
tert-Butylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	98-06-6	H1
Carbon tetrachloride	ND	ug/L	1.0	1		09/11/13 16:15	56-23-5	H1
Chlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	108-90-7	H1
Chloroethane	ND	ug/L	1.0	1		09/11/13 16:15	75-00-3	H1
Chloroform	ND	ug/L	1.0	1		09/11/13 16:15	67-66-3	H1
Chloromethane	**21.9**	ug/L	4.0	1		09/11/13 16:15	74-87-3	H1
2-Chlorotoluene	ND	ug/L	1.0	1		09/11/13 16:15	95-49-8	H1
4-Chlorotoluene	ND	ug/L	1.0	1		09/11/13 16:15	106-43-4	H1
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		09/11/13 16:15	96-12-8	H1
Dibromochloromethane	ND	ug/L	1.0	1		09/11/13 16:15	124-48-1	H1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		09/11/13 16:15	106-93-4	H1
Dibromomethane	ND	ug/L	4.0	1		09/11/13 16:15	74-95-3	H1
1,2-Dichlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	95-50-1	H1
1,3-Dichlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	541-73-1	H1
1,4-Dichlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	106-46-7	H1
Dichlorodifluoromethane	ND	ug/L	1.0	1		09/11/13 16:15	75-71-8	H1
1,1-Dichloroethane	ND	ug/L	1.0	1		09/11/13 16:15	75-34-3	H1
1,2-Dichloroethane	ND	ug/L	1.0	1		09/11/13 16:15	107-06-2	H1
1,1-Dichloroethene	ND	ug/L	1.0	1		09/11/13 16:15	75-35-4	H1
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		09/11/13 16:15	156-59-2	H1
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		09/11/13 16:15	156-60-5	H1
Dichlorofluoromethane	ND	ug/L	1.0	1		09/11/13 16:15	75-43-4	H1
1,2-Dichloropropane	ND	ug/L	4.0	1		09/11/13 16:15	78-87-5	H1
1,3-Dichloropropane	ND	ug/L	1.0	1		09/11/13 16:15	142-28-9	H1
2,2-Dichloropropane	ND	ug/L	4.0	1		09/11/13 16:15	594-20-7	H1

REPORT OF LABORATORY ANALYSIS

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.: 10240025

Sample: MW-20 **Lab ID: 10240025015** Collected: 08/26/13 15:25 Received: 08/27/13 16:53 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
1,1-Dichloropropene	ND	ug/L	1.0	1		09/11/13 16:15	563-58-6	H1
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		09/11/13 16:15	10061-01-5	H1
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		09/11/13 16:15	10061-02-6	H1
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		09/11/13 16:15	60-29-7	H1
Ethylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	100-41-4	H1
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		09/11/13 16:15	87-68-3	H1
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		09/11/13 16:15	98-82-8	H1
p-Isopropyltoluene	ND	ug/L	1.0	1		09/11/13 16:15	99-87-6	H1
Methylene Chloride	ND	ug/L	4.0	1		09/11/13 16:15	75-09-2	H1
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		09/11/13 16:15	108-10-1	H1
Methyl-tert-butyl ether	ND	ug/L	1.0	1		09/11/13 16:15	1634-04-4	H1
Naphthalene	ND	ug/L	4.0	1		09/11/13 16:15	91-20-3	H1
n-Propylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	103-65-1	H1
Styrene	ND	ug/L	1.0	1		09/11/13 16:15	100-42-5	H1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		09/11/13 16:15	630-20-6	H1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		09/11/13 16:15	79-34-5	H1
Tetrachloroethene	**45.5**	ug/L	1.0	1		09/11/13 16:15	127-18-4	H1
Tetrahydrofuran	ND	ug/L	10.0	1		09/11/13 16:15	109-99-9	H1
Toluene	ND	ug/L	1.0	1		09/11/13 16:15	108-88-3	H1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	87-61-6	H1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		09/11/13 16:15	120-82-1	H1
1,1,1-Trichloroethane	ND	ug/L	1.0	1		09/11/13 16:15	71-55-6	H1
1,1,2-Trichloroethane	ND	ug/L	1.0	1		09/11/13 16:15	79-00-5	H1
Trichloroethene	ND	ug/L	0.40	1		09/11/13 16:15	79-01-6	H1
Trichlorofluoromethane	ND	ug/L	1.0	1		09/11/13 16:15	75-69-4	H1
1,2,3-Trichloropropane	ND	ug/L	4.0	1		09/11/13 16:15	96-18-4	H1
1,1,2-Trichlorotrifluoroethane	**9.3**	ug/L	1.0	1		09/11/13 16:15	76-13-1	H1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	95-63-6	H1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		09/11/13 16:15	108-67-8	H1
Vinyl chloride	ND	ug/L	0.40	1		09/11/13 16:15	75-01-4	H1
Xylene (Total)	ND	ug/L	3.0	1		09/11/13 16:15	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	108	%	75-125	1		09/11/13 16:15	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		09/11/13 16:15	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	1		09/11/13 16:15	460-00-4	

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.: 10240025

QC Batch: MSV/24828 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10240025002

METHOD BLANK: 1515302 Matrix: Water
Associated Lab Samples: 10240025002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1-Dichloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,1-Dichloroethene	ug/L	ND	1.0	09/02/13 06:15	
1,1-Dichloropropene	ug/L	ND	1.0	09/02/13 06:15	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/02/13 06:15	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/02/13 06:15	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/02/13 06:15	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/02/13 06:15	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
1,2-Dichloroethane	ug/L	ND	1.0	09/02/13 06:15	
1,2-Dichloropropane	ug/L	ND	4.0	09/02/13 06:15	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/02/13 06:15	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
1,3-Dichloropropane	ug/L	ND	1.0	09/02/13 06:15	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
2,2-Dichloropropane	ug/L	ND	4.0	09/02/13 06:15	
2-Butanone (MEK)	ug/L	ND	5.0	09/02/13 06:15	
2-Chlorotoluene	ug/L	ND	1.0	09/02/13 06:15	
4-Chlorotoluene	ug/L	ND	1.0	09/02/13 06:15	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/02/13 06:15	
Acetone	ug/L	ND	20.0	09/02/13 06:15	
Allyl chloride	ug/L	ND	4.0	09/02/13 06:15	
Benzene	ug/L	ND	1.0	09/02/13 06:15	
Bromobenzene	ug/L	ND	1.0	09/02/13 06:15	
Bromochloromethane	ug/L	ND	1.0	09/02/13 06:15	
Bromodichloromethane	ug/L	ND	1.0	09/02/13 06:15	
Bromoform	ug/L	ND	4.0	09/02/13 06:15	
Bromomethane	ug/L	ND	4.0	09/02/13 06:15	
Carbon tetrachloride	ug/L	ND	1.0	09/02/13 06:15	
Chlorobenzene	ug/L	ND	1.0	09/02/13 06:15	
Chloroethane	ug/L	ND	1.0	09/02/13 06:15	
Chloroform	ug/L	ND	1.0	09/02/13 06:15	
Chloromethane	ug/L	ND	4.0	09/02/13 06:15	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/02/13 06:15	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/02/13 06:15	
Dibromochloromethane	ug/L	ND	1.0	09/02/13 06:15	
Dibromomethane	ug/L	ND	4.0	09/02/13 06:15	

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.: 10240025

METHOD BLANK: 1515302 Matrix: Water

Associated Lab Samples: 10240025002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/02/13 06:15	
Dichlorofluoromethane	ug/L	ND	1.0	09/02/13 06:15	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/02/13 06:15	
Ethylbenzene	ug/L	ND	1.0	09/02/13 06:15	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/02/13 06:15	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/02/13 06:15	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/02/13 06:15	
Methylene Chloride	ug/L	ND	4.0	09/02/13 06:15	
n-Butylbenzene	ug/L	ND	1.0	09/02/13 06:15	
n-Propylbenzene	ug/L	ND	1.0	09/02/13 06:15	
Naphthalene	ug/L	ND	4.0	09/02/13 06:15	
p-Isopropyltoluene	ug/L	ND	1.0	09/02/13 06:15	
sec-Butylbenzene	ug/L	ND	1.0	09/02/13 06:15	
Styrene	ug/L	ND	1.0	09/02/13 06:15	
tert-Butylbenzene	ug/L	ND	1.0	09/02/13 06:15	
Tetrachloroethene	ug/L	ND	1.0	09/02/13 06:15	
Tetrahydrofuran	ug/L	ND	10.0	09/02/13 06:15	
Toluene	ug/L	ND	1.0	09/02/13 06:15	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/02/13 06:15	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/02/13 06:15	
Trichloroethene	ug/L	ND	0.40	09/02/13 06:15	
Trichlorofluoromethane	ug/L	ND	1.0	09/02/13 06:15	
Vinyl chloride	ug/L	ND	0.40	09/02/13 06:15	
Xylene (Total)	ug/L	ND	3.0	09/02/13 06:15	
1,2-Dichloroethane-d4 (S)	%	116	75-125	09/02/13 06:15	
4-Bromofluorobenzene (S)	%	102	75-125	09/02/13 06:15	
Toluene-d8 (S)	%	98	75-125	09/02/13 06:15	

LABORATORY CONTROL SAMPLE: 1515303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.0	100	75-125	
1,1,1-Trichloroethane	ug/L	20	22.1	111	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	17.8	89	75-125	
1,1,2-Trichloroethane	ug/L	20	19.7	99	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	22.8	114	51-139	
1,1-Dichloroethane	ug/L	20	22.7	113	75-125	
1,1-Dichloroethene	ug/L	20	21.2	106	71-126	
1,1-Dichloropropene	ug/L	20	23.0	115	74-125	
1,2,3-Trichlorobenzene	ug/L	20	18.7	93	75-125	
1,2,3-Trichloropropane	ug/L	20	18.5	93	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.4	92	75-125	
1,2,4-Trimethylbenzene	ug/L	20	19.6	98	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	45.0	90	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	19.1	96	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.: 10240025

LABORATORY CONTROL SAMPLE: 1515303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	18.9	95	75-125	
1,2-Dichloroethane	ug/L	20	21.2	106	74-125	
1,2-Dichloropropane	ug/L	20	21.0	105	75-125	
1,3,5-Trimethylbenzene	ug/L	20	19.7	99	75-125	
1,3-Dichlorobenzene	ug/L	20	19.0	95	75-125	
1,3-Dichloropropane	ug/L	20	19.5	97	75-125	
1,4-Dichlorobenzene	ug/L	20	18.8	94	75-125	
2,2-Dichloropropane	ug/L	20	21.3	106	67-132	
2-Butanone (MEK)	ug/L	100	102	102	68-126	
2-Chlorotoluene	ug/L	20	19.2	96	74-125	
4-Chlorotoluene	ug/L	20	19.5	97	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	92.1	92	72-125	
Acetone	ug/L	100	109	109	69-132	
Allyl chloride	ug/L	20	22.8	114	74-125	
Benzene	ug/L	20	21.3	107	75-125	
Bromobenzene	ug/L	20	18.2	91	75-125	
Bromochloromethane	ug/L	20	21.6	108	75-125	
Bromodichloromethane	ug/L	20	21.4	107	75-125	
Bromoform	ug/L	20	20.4	102	75-126	
Bromomethane	ug/L	20	21.4	107	30-150	
Carbon tetrachloride	ug/L	20	23.1	116	74-127	
Chlorobenzene	ug/L	20	19.5	97	75-125	
Chloroethane	ug/L	20	22.5	112	68-132	
Chloroform	ug/L	20	21.4	107	75-125	
Chloromethane	ug/L	20	23.3	116	61-129	
cis-1,2-Dichloroethene	ug/L	20	21.8	109	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	75-125	
Dibromochloromethane	ug/L	20	20.7	104	75-125	
Dibromomethane	ug/L	20	20.1	100	75-125	
Dichlorodifluoromethane	ug/L	20	23.5	118	49-137	
Dichlorofluoromethane	ug/L	20	23.2	116	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	21.1	105	75-125	
Ethylbenzene	ug/L	20	20.1	100	75-125	
Hexachloro-1,3-butadiene	ug/L	20	19.8	99	69-127	
Isopropylbenzene (Cumene)	ug/L	20	20.7	103	75-125	
Methyl-tert-butyl ether	ug/L	20	19.6	98	74-126	
Methylene Chloride	ug/L	20	21.4	107	75-125	
n-Butylbenzene	ug/L	20	19.9	100	72-126	
n-Propylbenzene	ug/L	20	20.1	100	73-125	
Naphthalene	ug/L	20	17.9	90	75-125	
p-Isopropyltoluene	ug/L	20	19.9	99	74-125	
sec-Butylbenzene	ug/L	20	19.9	100	73-125	
Styrene	ug/L	20	20.2	101	75-125	
tert-Butylbenzene	ug/L	20	19.0	95	73-125	
Tetrachloroethene	ug/L	20	19.6	98	75-125	
Tetrahydrofuran	ug/L	200	202	101	71-125	
Toluene	ug/L	20	20.1	100	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.5	103	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

LABORATORY CONTROL SAMPLE: 1515303

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.4	102	75-125	
Trichloroethene	ug/L	20	20.8	104	75-125	
Trichlorofluoromethane	ug/L	20	22.6	113	69-129	
Vinyl chloride	ug/L	20	23.7	118	70-128	
Xylene (Total)	ug/L	60	59.5	99	75-125	
1,2-Dichloroethane-d4 (S)	%			108	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			98	75-125	

MATRIX SPIKE SAMPLE: 1515375

Parameter	Units	10240025002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.8	104	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	23.7	119	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.0	95	66-131	
1,1,2-Trichloroethane	ug/L	ND	20	20.2	101	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	27.6	138	75-150	
1,1-Dichloroethane	ug/L	ND	20	23.6	118	75-131	
1,1-Dichloroethene	ug/L	ND	20	22.1	110	75-138	
1,1-Dichloropropene	ug/L	ND	20	24.9	125	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	19.0	95	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	19.3	97	71-126	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.4	92	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.2	101	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	48.0	96	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	19.5	97	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.5	97	75-125	
1,2-Dichloroethane	ug/L	ND	20	22.2	111	74-128	
1,2-Dichloropropane	ug/L	ND	20	21.9	110	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	20.5	102	72-126	
1,3-Dichlorobenzene	ug/L	ND	20	19.7	98	75-125	
1,3-Dichloropropane	ug/L	ND	20	19.7	99	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	19.2	96	75-125	
2,2-Dichloropropane	ug/L	ND	20	21.0	105	71-143	
2-Butanone (MEK)	ug/L	ND	100	106	106	64-125	
2-Chlorotoluene	ug/L	ND	20	20.0	100	74-125	
4-Chlorotoluene	ug/L	ND	20	20.2	101	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	99.2	99	69-125	
Acetone	ug/L	ND	100	110	108	57-135	
Allyl chloride	ug/L	ND	20	23.8	119	73-134	
Benzene	ug/L	ND	20	22.1	110	70-135	
Bromobenzene	ug/L	ND	20	18.9	94	75-125	
Bromochloromethane	ug/L	ND	20	22.4	112	75-125	
Bromodichloromethane	ug/L	ND	20	22.8	114	75-125	
Bromoform	ug/L	ND	20	20.7	104	68-133	
Bromomethane	ug/L	ND	20	24.1	121	56-150	
Carbon tetrachloride	ug/L	ND	20	25.4	127	75-137	

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.: 10240025

MATRIX SPIKE SAMPLE: 1515375

Parameter	Units	10240025002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	ND	20	20.4	102	75-125	
Chloroethane	ug/L	ND	20	23.1	116	64-150	
Chloroform	ug/L	ND	20	22.2	109	75-127	
Chloromethane	ug/L	5.0	20	25.1	101	65-140	
cis-1,2-Dichloroethene	ug/L	ND	20	22.5	112	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	21.2	106	75-125	
Dibromochloromethane	ug/L	ND	20	21.0	105	75-125	
Dibromomethane	ug/L	ND	20	20.5	102	75-125	
Dichlorodifluoromethane	ug/L	ND	20	28.0	140	70-150	
Dichlorofluoromethane	ug/L	ND	20	24.0	120	69-142	
Diethyl ether (Ethyl ether)	ug/L	ND	20	21.2	106	75-125	
Ethylbenzene	ug/L	ND	20	21.1	105	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	17.5	87	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.6	108	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	19.7	99	70-132	
Methylene Chloride	ug/L	ND	20	22.0	110	73-125	
n-Butylbenzene	ug/L	ND	20	20.4	102	75-130	
n-Propylbenzene	ug/L	ND	20	20.9	105	75-128	
Naphthalene	ug/L	ND	20	18.2	90	73-126	
p-Isopropyltoluene	ug/L	ND	20	20.2	101	75-125	
sec-Butylbenzene	ug/L	ND	20	20.5	102	75-126	
Styrene	ug/L	ND	20	21.0	105	52-137	
tert-Butylbenzene	ug/L	ND	20	19.8	99	75-125	
Tetrachloroethene	ug/L	1.5	20	22.6	105	75-130	
Tetrahydrofuran	ug/L	ND	200	206	103	69-125	
Toluene	ug/L	ND	20	21.1	105	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	21.2	106	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	21.0	105	75-125	
Trichloroethene	ug/L	ND	20	22.1	110	75-129	
Trichlorofluoromethane	ug/L	ND	20	25.4	127	75-150	
Vinyl chloride	ug/L	ND	20	24.8	124	75-147	
Xylene (Total)	ug/L	ND	60	62.1	104	75-125	
1,2-Dichloroethane-d4 (S)	%				107	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Toluene-d8 (S)	%				97	75-125	

SAMPLE DUPLICATE: 1515374

Parameter	Units	1224522003 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	

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.: 10240025

SAMPLE DUPLICATE: 1515374

Parameter	Units	1224522003 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

SAMPLE DUPLICATE: 1515374

Parameter	Units	1224522003 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	118	118	.3		
4-Bromofluorobenzene (S)	%	102	102	.1		
Toluene-d8 (S)	%	98	98	.5		

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.: 10240025

QC Batch: MSV/24831 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10240025006, 10240025007, 10240025008, 10240025009, 10240025010

METHOD BLANK: 1515363 Matrix: Water
Associated Lab Samples: 10240025006, 10240025007, 10240025008, 10240025009, 10240025010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1-Dichloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,1-Dichloroethene	ug/L	ND	1.0	09/01/13 17:21	
1,1-Dichloropropene	ug/L	ND	1.0	09/01/13 17:21	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/01/13 17:21	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/01/13 17:21	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/01/13 17:21	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/01/13 17:21	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
1,2-Dichloroethane	ug/L	ND	1.0	09/01/13 17:21	
1,2-Dichloropropane	ug/L	ND	4.0	09/01/13 17:21	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/01/13 17:21	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
1,3-Dichloropropane	ug/L	ND	1.0	09/01/13 17:21	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
2,2-Dichloropropane	ug/L	ND	4.0	09/01/13 17:21	
2-Butanone (MEK)	ug/L	ND	5.0	09/01/13 17:21	
2-Chlorotoluene	ug/L	ND	1.0	09/01/13 17:21	
4-Chlorotoluene	ug/L	ND	1.0	09/01/13 17:21	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/01/13 17:21	
Acetone	ug/L	ND	20.0	09/01/13 17:21	
Allyl chloride	ug/L	ND	4.0	09/01/13 17:21	
Benzene	ug/L	ND	1.0	09/01/13 17:21	
Bromobenzene	ug/L	ND	1.0	09/01/13 17:21	
Bromochloromethane	ug/L	ND	1.0	09/01/13 17:21	
Bromodichloromethane	ug/L	ND	1.0	09/01/13 17:21	
Bromoform	ug/L	ND	4.0	09/01/13 17:21	
Bromomethane	ug/L	ND	4.0	09/01/13 17:21	
Carbon tetrachloride	ug/L	ND	1.0	09/01/13 17:21	
Chlorobenzene	ug/L	ND	1.0	09/01/13 17:21	
Chloroethane	ug/L	ND	1.0	09/01/13 17:21	
Chloroform	ug/L	ND	1.0	09/01/13 17:21	
Chloromethane	ug/L	ND	4.0	09/01/13 17:21	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/01/13 17:21	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/01/13 17:21	
Dibromochloromethane	ug/L	ND	1.0	09/01/13 17:21	
Dibromomethane	ug/L	ND	4.0	09/01/13 17:21	

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.: 10240025

METHOD BLANK: 1515363 Matrix: Water

Associated Lab Samples: 10240025006, 10240025007, 10240025008, 10240025009, 10240025010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/01/13 17:21	
Dichlorofluoromethane	ug/L	ND	1.0	09/01/13 17:21	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/01/13 17:21	
Ethylbenzene	ug/L	ND	1.0	09/01/13 17:21	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/01/13 17:21	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/01/13 17:21	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/01/13 17:21	
Methylene Chloride	ug/L	ND	4.0	09/01/13 17:21	
n-Butylbenzene	ug/L	ND	1.0	09/01/13 17:21	
n-Propylbenzene	ug/L	ND	1.0	09/01/13 17:21	
Naphthalene	ug/L	ND	4.0	09/01/13 17:21	
p-Isopropyltoluene	ug/L	ND	1.0	09/01/13 17:21	
sec-Butylbenzene	ug/L	ND	1.0	09/01/13 17:21	
Styrene	ug/L	ND	1.0	09/01/13 17:21	
tert-Butylbenzene	ug/L	ND	1.0	09/01/13 17:21	
Tetrachloroethene	ug/L	ND	1.0	09/01/13 17:21	
Tetrahydrofuran	ug/L	ND	10.0	09/01/13 17:21	
Toluene	ug/L	ND	1.0	09/01/13 17:21	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/01/13 17:21	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/01/13 17:21	
Trichloroethene	ug/L	ND	0.40	09/01/13 17:21	
Trichlorofluoromethane	ug/L	ND	1.0	09/01/13 17:21	
Vinyl chloride	ug/L	ND	0.40	09/01/13 17:21	
Xylene (Total)	ug/L	ND	3.0	09/01/13 17:21	
1,2-Dichloroethane-d4 (S)	%	108	75-125	09/01/13 17:21	
4-Bromofluorobenzene (S)	%	103	75-125	09/01/13 17:21	
Toluene-d8 (S)	%	97	75-125	09/01/13 17:21	

LABORATORY CONTROL SAMPLE: 1515364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.5	98	75-125	
1,1,1-Trichloroethane	ug/L	20	20.9	105	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	75-125	
1,1,2-Trichloroethane	ug/L	20	18.9	95	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.7	109	51-139	
1,1-Dichloroethane	ug/L	20	20.9	105	75-125	
1,1-Dichloroethene	ug/L	20	19.7	98	71-126	
1,1-Dichloropropene	ug/L	20	21.8	109	74-125	
1,2,3-Trichlorobenzene	ug/L	20	19.2	96	75-125	
1,2,3-Trichloropropane	ug/L	20	19.1	95	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.9	94	75-125	
1,2,4-Trimethylbenzene	ug/L	20	19.3	96	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.0	98	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.7	93	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.: 10240025

LABORATORY CONTROL SAMPLE: 1515364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	18.7	93	75-125	
1,2-Dichloroethane	ug/L	20	20.4	102	74-125	
1,2-Dichloropropane	ug/L	20	20.3	102	75-125	
1,3,5-Trimethylbenzene	ug/L	20	19.3	97	75-125	
1,3-Dichlorobenzene	ug/L	20	18.6	93	75-125	
1,3-Dichloropropane	ug/L	20	18.9	94	75-125	
1,4-Dichlorobenzene	ug/L	20	18.2	91	75-125	
2,2-Dichloropropane	ug/L	20	21.8	109	67-132	
2-Butanone (MEK)	ug/L	100	103	103	68-126	
2-Chlorotoluene	ug/L	20	18.8	94	74-125	
4-Chlorotoluene	ug/L	20	19.2	96	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	93.0	93	72-125	
Acetone	ug/L	100	100	100	69-132	
Allyl chloride	ug/L	20	21.8	109	74-125	
Benzene	ug/L	20	20.4	102	75-125	
Bromobenzene	ug/L	20	18.0	90	75-125	
Bromochloromethane	ug/L	20	21.1	106	75-125	
Bromodichloromethane	ug/L	20	21.1	106	75-125	
Bromoform	ug/L	20	20.3	102	75-126	
Bromomethane	ug/L	20	20.9	104	30-150	
Carbon tetrachloride	ug/L	20	21.9	110	74-127	
Chlorobenzene	ug/L	20	18.9	95	75-125	
Chloroethane	ug/L	20	20.5	102	68-132	
Chloroform	ug/L	20	20.0	100	75-125	
Chloromethane	ug/L	20	21.2	106	61-129	
cis-1,2-Dichloroethene	ug/L	20	20.9	104	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	19.7	98	75-125	
Dichlorodifluoromethane	ug/L	20	21.7	109	49-137	
Dichlorofluoromethane	ug/L	20	21.4	107	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	19.6	98	75-125	
Ethylbenzene	ug/L	20	19.4	97	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.1	100	69-127	
Isopropylbenzene (Cumene)	ug/L	20	20.1	101	75-125	
Methyl-tert-butyl ether	ug/L	20	19.1	95	74-126	
Methylene Chloride	ug/L	20	20.4	102	75-125	
n-Butylbenzene	ug/L	20	20.1	101	72-126	
n-Propylbenzene	ug/L	20	19.8	99	73-125	
Naphthalene	ug/L	20	18.3	91	75-125	
p-Isopropyltoluene	ug/L	20	19.8	99	74-125	
sec-Butylbenzene	ug/L	20	19.5	98	73-125	
Styrene	ug/L	20	19.6	98	75-125	
tert-Butylbenzene	ug/L	20	18.9	95	73-125	
Tetrachloroethene	ug/L	20	18.9	94	75-125	
Tetrahydrofuran	ug/L	200	196	98	71-125	
Toluene	ug/L	20	19.1	96	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.7	99	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

LABORATORY CONTROL SAMPLE: 1515364

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.2	101	75-125	
Trichloroethene	ug/L	20	20.0	100	75-125	
Trichlorofluoromethane	ug/L	20	21.1	105	69-129	
Vinyl chloride	ug/L	20	21.9	109	70-128	
Xylene (Total)	ug/L	60	57.9	96	75-125	
1,2-Dichloroethane-d4 (S)	%			105	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1515365 1515366

Parameter	Units	10240025006 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	200	200	217	209	108	104	75-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	200	200	244	235	122	117	75-136	4	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	194	184	97	92	66-131	5	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	205	202	103	101	75-125	2	30	
1,1,2-Trichlorotrifluoroethane	ug/L	144	200	200	432	414	144	135	75-150	4	30	
1,1-Dichloroethane	ug/L	ND	200	200	242	234	121	117	75-131	3	30	
1,1-Dichloroethene	ug/L	ND	200	200	238	222	119	111	75-138	7	30	
1,1-Dichloropropene	ug/L	ND	200	200	258	248	129	124	75-136	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	200	200	198	190	99	95	75-125	4	30	
1,2,3-Trichloropropane	ug/L	ND	200	200	197	190	99	95	71-126	4	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	202	192	101	96	75-125	5	30	
1,2,4-Trimethylbenzene	ug/L	ND	200	200	212	205	106	102	70-126	3	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	500	500	490	464	98	93	69-127	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	202	194	101	97	75-125	4	30	
1,2-Dichlorobenzene	ug/L	ND	200	200	204	197	102	98	75-125	4	30	
1,2-Dichloroethane	ug/L	ND	200	200	226	218	113	109	74-128	3	30	
1,2-Dichloropropane	ug/L	ND	200	200	229	219	114	109	75-125	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	200	200	215	210	107	105	72-126	2	30	
1,3-Dichlorobenzene	ug/L	ND	200	200	203	197	101	98	75-125	3	30	
1,3-Dichloropropane	ug/L	ND	200	200	204	198	102	99	75-125	3	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	201	195	101	98	75-125	3	30	
2,2-Dichloropropane	ug/L	ND	200	200	250	236	125	118	71-143	6	30	
2-Butanone (MEK)	ug/L	ND	1000	1000	1080	1040	108	104	64-125	4	30	
2-Chlorotoluene	ug/L	ND	200	200	205	201	103	100	74-125	2	30	
4-Chlorotoluene	ug/L	ND	200	200	210	203	105	102	75-125	3	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	1000	1000	1020	981	102	98	69-125	4	30	
Acetone	ug/L	ND	1000	1000	1130	1070	110	104	57-135	5	30	
Allyl chloride	ug/L	ND	200	200	257	241	129	121	73-134	7	30	
Benzene	ug/L	ND	200	200	231	222	115	110	70-135	4	30	
Bromobenzene	ug/L	ND	200	200	194	187	97	94	75-125	4	30	
Bromochloromethane	ug/L	ND	200	200	230	221	115	111	75-125	4	30	
Bromodichloromethane	ug/L	ND	200	200	233	223	117	112	75-125	5	30	
Bromoform	ug/L	ND	200	200	215	208	107	104	68-133	3	30	
Bromomethane	ug/L	ND	200	200	201	254	100	127	56-150	23	30	

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.: 10240025

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1515365 1515366

Parameter	Units	10240025006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon tetrachloride	ug/L	ND	200	200	262	251	131	125	75-137	4	30	
Chlorobenzene	ug/L	ND	200	200	210	204	105	102	75-125	3	30	
Chloroethane	ug/L	ND	200	200	259	236	130	118	64-150	9	30	
Chloroform	ug/L	ND	200	200	228	219	113	109	75-127	4	30	
Chloromethane	ug/L	451	200	200	679	651	114	100	65-140	4	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	230	222	115	111	75-129	4	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	221	213	111	106	75-125	4	30	
Dibromochloromethane	ug/L	ND	200	200	218	212	109	106	75-125	3	30	
Dibromomethane	ug/L	ND	200	200	213	202	107	101	75-125	5	30	
Dichlorodifluoromethane	ug/L	ND	200	200	318	283	159	141	70-150	12	30	M1
Dichlorofluoromethane	ug/L	ND	200	200	271	242	135	121	69-142	11	30	
Diethyl ether (Ethyl ether)	ug/L	ND	200	200	219	208	109	104	75-125	5	30	
Ethylbenzene	ug/L	ND	200	200	219	211	109	105	75-125	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	215	206	107	103	75-135	4	30	
Isopropylbenzene (Cumene)	ug/L	ND	200	200	228	222	114	111	75-125	3	30	
Methyl-tert-butyl ether	ug/L	ND	200	200	202	197	101	99	70-132	3	30	
Methylene Chloride	ug/L	ND	200	200	234	222	114	109	73-125	5	30	
n-Butylbenzene	ug/L	ND	200	200	224	219	112	109	75-130	3	30	
n-Propylbenzene	ug/L	ND	200	200	220	214	110	107	75-128	3	30	
Naphthalene	ug/L	ND	200	200	187	182	93	91	73-126	3	30	
p-Isopropyltoluene	ug/L	ND	200	200	218	211	109	106	75-125	3	30	
sec-Butylbenzene	ug/L	ND	200	200	221	214	110	107	75-126	3	30	
Styrene	ug/L	ND	200	200	217	209	108	104	52-137	4	30	
tert-Butylbenzene	ug/L	ND	200	200	210	203	105	101	75-125	4	30	
Tetrachloroethene	ug/L	982	200	200	1220	1230	118	123	75-130	.8	30	
Tetrahydrofuran	ug/L	ND	2000	2000	2130	2040	106	102	69-125	4	30	
Toluene	ug/L	ND	200	200	219	211	109	105	75-125	4	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	222	213	111	107	75-135	4	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	221	218	111	109	75-125	2	30	
Trichloroethene	ug/L	ND	200	200	229	219	115	110	75-129	5	30	
Trichlorofluoromethane	ug/L	ND	200	200	293	260	147	130	75-150	12	30	
Vinyl chloride	ug/L	ND	200	200	279	253	140	126	75-147	10	30	
Xylene (Total)	ug/L	ND	600	600	650	627	108	104	75-125	4	30	
1,2-Dichloroethane-d4 (S)	%						106	103	75-125			
4-Bromofluorobenzene (S)	%						98	99	75-125			
Toluene-d8 (S)	%						97	98	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.: 10240025

QC Batch: MSV/24834 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10240025013, 10240025014

METHOD BLANK: 1515376 Matrix: Water
Associated Lab Samples: 10240025013, 10240025014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1-Dichloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,1-Dichloroethene	ug/L	ND	1.0	09/02/13 05:39	
1,1-Dichloropropene	ug/L	ND	1.0	09/02/13 05:39	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/02/13 05:39	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/02/13 05:39	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/02/13 05:39	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/02/13 05:39	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
1,2-Dichloroethane	ug/L	ND	1.0	09/02/13 05:39	
1,2-Dichloropropane	ug/L	ND	4.0	09/02/13 05:39	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/02/13 05:39	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
1,3-Dichloropropane	ug/L	ND	1.0	09/02/13 05:39	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
2,2-Dichloropropane	ug/L	ND	4.0	09/02/13 05:39	
2-Butanone (MEK)	ug/L	ND	5.0	09/02/13 05:39	
2-Chlorotoluene	ug/L	ND	1.0	09/02/13 05:39	
4-Chlorotoluene	ug/L	ND	1.0	09/02/13 05:39	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/02/13 05:39	
Acetone	ug/L	ND	20.0	09/02/13 05:39	
Allyl chloride	ug/L	ND	4.0	09/02/13 05:39	
Benzene	ug/L	ND	1.0	09/02/13 05:39	
Bromobenzene	ug/L	ND	1.0	09/02/13 05:39	
Bromochloromethane	ug/L	ND	1.0	09/02/13 05:39	
Bromodichloromethane	ug/L	ND	1.0	09/02/13 05:39	
Bromoform	ug/L	ND	4.0	09/02/13 05:39	
Bromomethane	ug/L	ND	4.0	09/02/13 05:39	
Carbon tetrachloride	ug/L	ND	1.0	09/02/13 05:39	
Chlorobenzene	ug/L	ND	1.0	09/02/13 05:39	
Chloroethane	ug/L	ND	1.0	09/02/13 05:39	
Chloroform	ug/L	ND	1.0	09/02/13 05:39	
Chloromethane	ug/L	ND	4.0	09/02/13 05:39	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/02/13 05:39	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/02/13 05:39	
Dibromochloromethane	ug/L	ND	1.0	09/02/13 05:39	
Dibromomethane	ug/L	ND	4.0	09/02/13 05:39	

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.: 10240025

METHOD BLANK: 1515376 Matrix: Water

Associated Lab Samples: 10240025013, 10240025014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/02/13 05:39	
Dichlorofluoromethane	ug/L	ND	1.0	09/02/13 05:39	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/02/13 05:39	
Ethylbenzene	ug/L	ND	1.0	09/02/13 05:39	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/02/13 05:39	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/02/13 05:39	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/02/13 05:39	
Methylene Chloride	ug/L	ND	4.0	09/02/13 05:39	
n-Butylbenzene	ug/L	ND	1.0	09/02/13 05:39	
n-Propylbenzene	ug/L	ND	1.0	09/02/13 05:39	
Naphthalene	ug/L	ND	4.0	09/02/13 05:39	
p-Isopropyltoluene	ug/L	ND	1.0	09/02/13 05:39	
sec-Butylbenzene	ug/L	ND	1.0	09/02/13 05:39	
Styrene	ug/L	ND	1.0	09/02/13 05:39	
tert-Butylbenzene	ug/L	ND	1.0	09/02/13 05:39	
Tetrachloroethene	ug/L	ND	1.0	09/02/13 05:39	
Tetrahydrofuran	ug/L	ND	10.0	09/02/13 05:39	
Toluene	ug/L	ND	1.0	09/02/13 05:39	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/02/13 05:39	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/02/13 05:39	
Trichloroethene	ug/L	ND	0.40	09/02/13 05:39	
Trichlorofluoromethane	ug/L	ND	1.0	09/02/13 05:39	
Vinyl chloride	ug/L	ND	0.40	09/02/13 05:39	
Xylene (Total)	ug/L	ND	3.0	09/02/13 05:39	
1,2-Dichloroethane-d4 (S)	%	107	75-125	09/02/13 05:39	
4-Bromofluorobenzene (S)	%	102	75-125	09/02/13 05:39	
Toluene-d8 (S)	%	101	75-125	09/02/13 05:39	

LABORATORY CONTROL SAMPLE: 1515377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	17.6	88	75-125	
1,1,1-Trichloroethane	ug/L	20	17.1	86	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	17.4	87	75-125	
1,1,2-Trichloroethane	ug/L	20	19.3	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.4	92	51-139	
1,1-Dichloroethane	ug/L	20	17.2	86	75-125	
1,1-Dichloroethene	ug/L	20	17.0	85	71-126	
1,1-Dichloropropene	ug/L	20	17.7	88	74-125	
1,2,3-Trichlorobenzene	ug/L	20	16.1	81	75-125	
1,2,3-Trichloropropane	ug/L	20	17.9	89	75-125	
1,2,4-Trichlorobenzene	ug/L	20	15.9	79	75-125	
1,2,4-Trimethylbenzene	ug/L	20	16.1	81	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	45.6	91	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	17.0	85	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.: 10240025

LABORATORY CONTROL SAMPLE: 1515377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	16.9	85	75-125	
1,2-Dichloroethane	ug/L	20	19.7	99	74-125	
1,2-Dichloropropane	ug/L	20	18.7	93	75-125	
1,3,5-Trimethylbenzene	ug/L	20	16.0	80	75-125	
1,3-Dichlorobenzene	ug/L	20	16.4	82	75-125	
1,3-Dichloropropane	ug/L	20	19.1	96	75-125	
1,4-Dichlorobenzene	ug/L	20	16.4	82	75-125	
2,2-Dichloropropane	ug/L	20	16.7	83	67-132	
2-Butanone (MEK)	ug/L	100	97.6	98	68-126	
2-Chlorotoluene	ug/L	20	16.4	82	74-125	
4-Chlorotoluene	ug/L	20	16.7	84	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	87.8	88	72-125	
Acetone	ug/L	100	94.1	94	69-132	
Allyl chloride	ug/L	20	18.0	90	74-125	
Benzene	ug/L	20	18.6	93	75-125	
Bromobenzene	ug/L	20	16.1	81	75-125	
Bromochloromethane	ug/L	20	19.6	98	75-125	
Bromodichloromethane	ug/L	20	19.3	96	75-125	
Bromoform	ug/L	20	18.2	91	75-126	
Bromomethane	ug/L	20	16.0	80	30-150	
Carbon tetrachloride	ug/L	20	18.4	92	74-127	
Chlorobenzene	ug/L	20	17.1	85	75-125	
Chloroethane	ug/L	20	20.0	100	68-132	
Chloroform	ug/L	20	19.9	99	75-125	
Chloromethane	ug/L	20	21.0	105	61-129	
cis-1,2-Dichloroethene	ug/L	20	17.6	88	75-125	
cis-1,3-Dichloropropene	ug/L	20	17.0	85	75-125	
Dibromochloromethane	ug/L	20	19.3	97	75-125	
Dibromomethane	ug/L	20	18.2	91	75-125	
Dichlorodifluoromethane	ug/L	20	23.3	117	49-137	
Dichlorofluoromethane	ug/L	20	20.5	103	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	19.3	96	75-125	
Ethylbenzene	ug/L	20	17.5	88	75-125	
Hexachloro-1,3-butadiene	ug/L	20	15.6	78	69-127	
Isopropylbenzene (Cumene)	ug/L	20	16.7	83	75-125	
Methyl-tert-butyl ether	ug/L	20	17.6	88	74-126	
Methylene Chloride	ug/L	20	19.4	97	75-125	
n-Butylbenzene	ug/L	20	16.0	80	72-126	
n-Propylbenzene	ug/L	20	15.8	79	73-125	
Naphthalene	ug/L	20	16.4	82	75-125	
p-Isopropyltoluene	ug/L	20	16.5	83	74-125	
sec-Butylbenzene	ug/L	20	16.3	81	73-125	
Styrene	ug/L	20	17.4	87	75-125	
tert-Butylbenzene	ug/L	20	15.5	78	73-125	
Tetrachloroethene	ug/L	20	16.8	84	75-125	
Tetrahydrofuran	ug/L	200	174	87	71-125	
Toluene	ug/L	20	17.4	87	75-125	
trans-1,2-Dichloroethene	ug/L	20	17.0	85	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

LABORATORY CONTROL SAMPLE: 1515377

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	20.6	103	75-125	
Trichloroethene	ug/L	20	17.0	85	75-125	
Trichlorofluoromethane	ug/L	20	21.2	106	69-129	
Vinyl chloride	ug/L	20	17.7	89	70-128	
Xylene (Total)	ug/L	60	49.1	82	75-125	
1,2-Dichloroethane-d4 (S)	%			104	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE SAMPLE: 1515378

Parameter	Units	1224758003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.4	102	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	21.3	106	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	19.1	95	66-131	
1,1,2-Trichloroethane	ug/L	ND	20	20.9	105	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	26.0	130	75-150	
1,1-Dichloroethane	ug/L	ND	20	20.2	101	75-131	
1,1-Dichloroethene	ug/L	ND	20	17.2	86	75-138	
1,1-Dichloropropene	ug/L	ND	20	20.2	101	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.0	90	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	19.4	97	71-126	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.0	90	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	19.0	95	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	50.0	100	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.9	94	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.1	96	75-125	
1,2-Dichloroethane	ug/L	ND	20	21.4	107	74-128	
1,2-Dichloropropane	ug/L	ND	20	21.0	105	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	18.9	94	72-126	
1,3-Dichlorobenzene	ug/L	ND	20	18.9	95	75-125	
1,3-Dichloropropane	ug/L	ND	20	20.8	104	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	18.7	93	75-125	
2,2-Dichloropropane	ug/L	ND	20	20.1	101	71-143	
2-Butanone (MEK)	ug/L	ND	100	104	104	64-125	
2-Chlorotoluene	ug/L	ND	20	19.3	97	74-125	
4-Chlorotoluene	ug/L	ND	20	19.3	97	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	95.9	96	69-125	
Acetone	ug/L	ND	100	104	99	57-135	
Allyl chloride	ug/L	ND	20	18.2	91	73-134	
Benzene	ug/L	ND	20	22.2	109	70-135	
Bromobenzene	ug/L	ND	20	18.2	91	75-125	
Bromochloromethane	ug/L	ND	20	22.0	110	75-125	
Bromodichloromethane	ug/L	ND	20	21.6	108	75-125	
Bromoform	ug/L	ND	20	20.0	100	68-133	
Bromomethane	ug/L	ND	20	21.4	107	56-150	
Carbon tetrachloride	ug/L	ND	20	23.0	115	75-137	

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.: 10240025

MATRIX SPIKE SAMPLE: 1515378

Parameter	Units	1224758003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	ND	20	20.2	101	75-125	
Chloroethane	ug/L	ND	20	28.2	141	64-150	
Chloroform	ug/L	ND	20	22.5	113	75-127	
Chloromethane	ug/L	ND	20	26.5	132	65-140	
cis-1,2-Dichloroethene	ug/L	ND	20	20.8	102	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	18.9	95	75-125	
Dibromochloromethane	ug/L	ND	20	21.4	107	75-125	
Dibromomethane	ug/L	ND	20	19.8	99	75-125	
Dichlorodifluoromethane	ug/L	ND	20	33.3	165	70-150	M1
Dichlorofluoromethane	ug/L	ND	20	24.5	122	69-142	
Diethyl ether (Ethyl ether)	ug/L	5.7	20	27.3	108	75-125	
Ethylbenzene	ug/L	ND	20	21.4	107	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	18.0	90	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.5	102	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	19.7	97	70-132	
Methylene Chloride	ug/L	ND	20	22.3	111	73-125	
n-Butylbenzene	ug/L	ND	20	19.2	96	75-130	
n-Propylbenzene	ug/L	ND	20	18.9	95	75-128	
Naphthalene	ug/L	ND	20	18.5	93	73-126	
p-Isopropyltoluene	ug/L	ND	20	19.6	98	75-125	
sec-Butylbenzene	ug/L	ND	20	19.8	99	75-126	
Styrene	ug/L	ND	20	13.2	66	52-137	
tert-Butylbenzene	ug/L	ND	20	18.7	93	75-125	
Tetrachloroethene	ug/L	ND	20	20.5	102	75-130	
Tetrahydrofuran	ug/L	ND	200	188	91	69-125	
Toluene	ug/L	ND	20	20.5	102	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	20.3	102	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	21.3	106	75-125	
Trichloroethene	ug/L	ND	20	19.9	100	75-129	
Trichlorofluoromethane	ug/L	ND	20	29.2	146	75-150	
Vinyl chloride	ug/L	ND	20	21.8	109	75-147	
Xylene (Total)	ug/L	ND	60	58.7	98	75-125	
1,2-Dichloroethane-d4 (S)	%				103	75-125	
4-Bromofluorobenzene (S)	%				96	75-125	
Toluene-d8 (S)	%				100	75-125	

SAMPLE DUPLICATE: 1515379

Parameter	Units	1224758002 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	

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.: 10240025

SAMPLE DUPLICATE: 1515379

Parameter	Units	1224758002 Result	Dup Result	RPD	Max RPD	Qualifiers
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	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

SAMPLE DUPLICATE: 1515379

Parameter	Units	1224758002 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	108	108	.5		
4-Bromofluorobenzene (S)	%	102	103	1		
Toluene-d8 (S)	%	101	101	.08		

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.: 10240025

QC Batch: MSV/24844 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10240025001, 10240025003, 10240025004, 10240025005, 10240025011

METHOD BLANK: 1515763 Matrix: Water
Associated Lab Samples: 10240025001, 10240025003, 10240025004, 10240025005, 10240025011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1-Dichloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,1-Dichloroethene	ug/L	ND	1.0	09/04/13 12:45	
1,1-Dichloropropene	ug/L	ND	1.0	09/04/13 12:45	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/04/13 12:45	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/04/13 12:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/04/13 12:45	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/04/13 12:45	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
1,2-Dichloroethane	ug/L	ND	1.0	09/04/13 12:45	
1,2-Dichloropropane	ug/L	ND	4.0	09/04/13 12:45	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/04/13 12:45	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
1,3-Dichloropropane	ug/L	ND	1.0	09/04/13 12:45	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
2,2-Dichloropropane	ug/L	ND	4.0	09/04/13 12:45	
2-Butanone (MEK)	ug/L	ND	5.0	09/04/13 12:45	
2-Chlorotoluene	ug/L	ND	1.0	09/04/13 12:45	
4-Chlorotoluene	ug/L	ND	1.0	09/04/13 12:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/04/13 12:45	
Acetone	ug/L	ND	20.0	09/04/13 12:45	
Allyl chloride	ug/L	ND	4.0	09/04/13 12:45	
Benzene	ug/L	ND	1.0	09/04/13 12:45	
Bromobenzene	ug/L	ND	1.0	09/04/13 12:45	
Bromochloromethane	ug/L	ND	1.0	09/04/13 12:45	
Bromodichloromethane	ug/L	ND	1.0	09/04/13 12:45	
Bromoform	ug/L	ND	4.0	09/04/13 12:45	
Bromomethane	ug/L	ND	4.0	09/04/13 12:45	
Carbon tetrachloride	ug/L	ND	1.0	09/04/13 12:45	
Chlorobenzene	ug/L	ND	1.0	09/04/13 12:45	
Chloroethane	ug/L	ND	1.0	09/04/13 12:45	
Chloroform	ug/L	ND	1.0	09/04/13 12:45	
Chloromethane	ug/L	ND	4.0	09/04/13 12:45	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/04/13 12:45	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/04/13 12:45	
Dibromochloromethane	ug/L	ND	1.0	09/04/13 12:45	
Dibromomethane	ug/L	ND	4.0	09/04/13 12:45	

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.: 10240025

METHOD BLANK: 1515763 Matrix: Water

Associated Lab Samples: 10240025001, 10240025003, 10240025004, 10240025005, 10240025011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/04/13 12:45	
Dichlorofluoromethane	ug/L	ND	1.0	09/04/13 12:45	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/04/13 12:45	
Ethylbenzene	ug/L	ND	1.0	09/04/13 12:45	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/04/13 12:45	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/04/13 12:45	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/04/13 12:45	
Methylene Chloride	ug/L	ND	4.0	09/04/13 12:45	
n-Butylbenzene	ug/L	ND	1.0	09/04/13 12:45	
n-Propylbenzene	ug/L	ND	1.0	09/04/13 12:45	
Naphthalene	ug/L	ND	4.0	09/04/13 12:45	
p-Isopropyltoluene	ug/L	ND	1.0	09/04/13 12:45	
sec-Butylbenzene	ug/L	ND	1.0	09/04/13 12:45	
Styrene	ug/L	ND	1.0	09/04/13 12:45	
tert-Butylbenzene	ug/L	ND	1.0	09/04/13 12:45	
Tetrachloroethene	ug/L	ND	1.0	09/04/13 12:45	
Tetrahydrofuran	ug/L	ND	10.0	09/04/13 12:45	
Toluene	ug/L	ND	1.0	09/04/13 12:45	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/04/13 12:45	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/04/13 12:45	
Trichloroethene	ug/L	ND	0.40	09/04/13 12:45	
Trichlorofluoromethane	ug/L	ND	1.0	09/04/13 12:45	
Vinyl chloride	ug/L	ND	0.40	09/04/13 12:45	
Xylene (Total)	ug/L	ND	3.0	09/04/13 12:45	
1,2-Dichloroethane-d4 (S)	%	107	75-125	09/04/13 12:45	
4-Bromofluorobenzene (S)	%	101	75-125	09/04/13 12:45	
Toluene-d8 (S)	%	103	75-125	09/04/13 12:45	

LABORATORY CONTROL SAMPLE: 1515764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	18.5	93	75-125	
1,1,1-Trichloroethane	ug/L	20	15.9	80	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	90	75-125	
1,1,2-Trichloroethane	ug/L	20	18.2	91	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	12.6	63	51-139	
1,1-Dichloroethane	ug/L	20	16.5	83	75-125	
1,1-Dichloroethene	ug/L	20	14.7	73	71-126	
1,1-Dichloropropene	ug/L	20	15.8	79	74-125	
1,2,3-Trichlorobenzene	ug/L	20	18.8	94	75-125	
1,2,3-Trichloropropane	ug/L	20	18.2	91	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.1	91	75-125	
1,2,4-Trimethylbenzene	ug/L	20	17.7	89	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.2	98	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.2	91	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.: 10240025

LABORATORY CONTROL SAMPLE: 1515764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	18.5	92	75-125	
1,2-Dichloroethane	ug/L	20	16.9	85	74-125	
1,2-Dichloropropane	ug/L	20	17.5	88	75-125	
1,3,5-Trimethylbenzene	ug/L	20	17.6	88	75-125	
1,3-Dichlorobenzene	ug/L	20	17.9	90	75-125	
1,3-Dichloropropane	ug/L	20	18.1	91	75-125	
1,4-Dichlorobenzene	ug/L	20	17.8	89	75-125	
2,2-Dichloropropane	ug/L	20	16.5	82	67-132	
2-Butanone (MEK)	ug/L	100	86.5	87	68-126	
2-Chlorotoluene	ug/L	20	17.3	86	74-125	
4-Chlorotoluene	ug/L	20	18.0	90	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	90.2	90	72-125	
Acetone	ug/L	100	93.0	93	69-132	
Allyl chloride	ug/L	20	16.3	82	74-125	
Benzene	ug/L	20	15.8	79	75-125	
Bromobenzene	ug/L	20	17.6	88	75-125	
Bromochloromethane	ug/L	20	18.0	90	75-125	
Bromodichloromethane	ug/L	20	18.5	92	75-125	
Bromoform	ug/L	20	20.8	104	75-126	
Bromomethane	ug/L	20	19.9	100	30-150	
Carbon tetrachloride	ug/L	20	16.5	83	74-127	
Chlorobenzene	ug/L	20	17.4	87	75-125	
Chloroethane	ug/L	20	15.4	77	68-132	
Chloroform	ug/L	20	16.2	81	75-125	
Chloromethane	ug/L	20	16.4	82	61-129	
cis-1,2-Dichloroethene	ug/L	20	16.7	83	75-125	
cis-1,3-Dichloropropene	ug/L	20	18.3	92	75-125	
Dibromochloromethane	ug/L	20	19.7	99	75-125	
Dibromomethane	ug/L	20	18.5	92	75-125	
Dichlorodifluoromethane	ug/L	20	11.9	59	49-137	
Dichlorofluoromethane	ug/L	20	16.5	83	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	16.7	83	75-125	
Ethylbenzene	ug/L	20	17.1	85	75-125	
Hexachloro-1,3-butadiene	ug/L	20	18.9	94	69-127	
Isopropylbenzene (Cumene)	ug/L	20	17.5	88	75-125	
Methyl-tert-butyl ether	ug/L	20	16.1	81	74-126	
Methylene Chloride	ug/L	20	17.4	87	75-125	
n-Butylbenzene	ug/L	20	17.8	89	72-126	
n-Propylbenzene	ug/L	20	17.4	87	73-125	
Naphthalene	ug/L	20	18.1	90	75-125	
p-Isopropyltoluene	ug/L	20	17.6	88	74-125	
sec-Butylbenzene	ug/L	20	17.3	87	73-125	
Styrene	ug/L	20	18.4	92	75-125	
tert-Butylbenzene	ug/L	20	16.9	84	73-125	
Tetrachloroethene	ug/L	20	16.7	83	75-125	
Tetrahydrofuran	ug/L	200	179	90	71-125	
Toluene	ug/L	20	17.0	85	75-125	
trans-1,2-Dichloroethene	ug/L	20	15.0	75	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

LABORATORY CONTROL SAMPLE: 1515764

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	19.4	97	75-125	
Trichloroethene	ug/L	20	16.5	82	75-125	
Trichlorofluoromethane	ug/L	20	14.9	74	69-129	
Vinyl chloride	ug/L	20	16.2	81	70-128	
Xylene (Total)	ug/L	60	52.3	87	75-125	
1,2-Dichloroethane-d4 (S)	%			101	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Toluene-d8 (S)	%			102	75-125	

MATRIX SPIKE SAMPLE: 1517895

Parameter	Units	10240410001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.6	108	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	21.0	105	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.9	105	66-131	
1,1,2-Trichloroethane	ug/L	ND	20	20.3	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	25.2	126	75-150	
1,1-Dichloroethane	ug/L	ND	20	20.8	104	75-131	
1,1-Dichloroethene	ug/L	ND	20	20.0	100	75-138	
1,1-Dichloropropene	ug/L	ND	20	21.5	108	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	22.0	110	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	21.0	105	71-126	
1,2,4-Trichlorobenzene	ug/L	ND	20	21.3	106	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.3	106	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	55.0	110	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.2	101	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	21.0	105	75-125	
1,2-Dichloroethane	ug/L	ND	20	19.1	95	74-128	
1,2-Dichloropropane	ug/L	ND	20	20.3	101	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	21.4	107	72-126	
1,3-Dichlorobenzene	ug/L	ND	20	21.0	105	75-125	
1,3-Dichloropropane	ug/L	ND	20	20.1	101	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	20.9	104	75-125	
2,2-Dichloropropane	ug/L	ND	20	22.7	114	71-143	
2-Butanone (MEK)	ug/L	ND	100	98.7	96	64-125	
2-Chlorotoluene	ug/L	ND	20	21.0	105	74-125	
4-Chlorotoluene	ug/L	ND	20	21.4	107	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	104	104	69-125	
Acetone	ug/L	ND	100	100	98	57-135	
Allyl chloride	ug/L	ND	20	21.3	107	73-134	
Benzene	ug/L	ND	20	19.6	98	70-135	
Bromobenzene	ug/L	ND	20	20.7	104	75-125	
Bromochloromethane	ug/L	ND	20	20.3	101	75-125	
Bromodichloromethane	ug/L	ND	20	21.5	107	75-125	
Bromoform	ug/L	ND	20	22.9	115	68-133	
Bromomethane	ug/L	ND	20	16.4	82	56-150	
Carbon tetrachloride	ug/L	ND	20	22.8	114	75-137	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

MATRIX SPIKE SAMPLE: 1517895

Parameter	Units	10240410001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	ND	20	20.6	103	75-125	
Chloroethane	ug/L	ND	20	20.0	100	64-150	
Chloroform	ug/L	ND	20	19.6	98	75-127	
Chloromethane	ug/L	ND	20	21.7	108	65-140	
cis-1,2-Dichloroethene	ug/L	ND	20	20.6	103	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	20.0	100	75-125	
Dibromochloromethane	ug/L	ND	20	22.3	111	75-125	
Dibromomethane	ug/L	ND	20	20.1	101	75-125	
Dichlorodifluoromethane	ug/L	ND	20	24.5	123	70-150	
Dichlorofluoromethane	ug/L	ND	20	21.4	107	69-142	
Diethyl ether (Ethyl ether)	ug/L	ND	20	18.0	90	75-125	
Ethylbenzene	ug/L	ND	20	21.1	105	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	24.5	123	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	21.8	109	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	17.7	88	70-132	
Methylene Chloride	ug/L	ND	20	19.3	96	73-125	
n-Butylbenzene	ug/L	ND	20	22.8	114	75-130	
n-Propylbenzene	ug/L	ND	20	22.4	112	75-128	
Naphthalene	ug/L	ND	20	19.7	98	73-126	
p-Isopropyltoluene	ug/L	ND	20	22.1	110	75-125	
sec-Butylbenzene	ug/L	ND	20	22.5	113	75-126	
Styrene	ug/L	ND	20	21.4	107	52-137	
tert-Butylbenzene	ug/L	ND	20	21.3	106	75-125	
Tetrachloroethene	ug/L	ND	20	21.4	107	75-130	
Tetrahydrofuran	ug/L	ND	200	186	93	69-125	
Toluene	ug/L	ND	20	21.1	105	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	18.8	94	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	21.9	109	75-125	
Trichloroethene	ug/L	ND	20	20.7	103	75-129	
Trichlorofluoromethane	ug/L	ND	20	23.4	117	75-150	
Vinyl chloride	ug/L	ND	20	22.3	111	75-147	
Xylene (Total)	ug/L	ND	60	62.6	104	75-125	
1,2-Dichloroethane-d4 (S)	%				104	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Toluene-d8 (S)	%				103	75-125	

SAMPLE DUPLICATE: 1517896

Parameter	Units	10240410002 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	

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.: 10240025

SAMPLE DUPLICATE: 1517896

Parameter	Units	10240410002 Result	Dup Result	RPD	Max RPD	Qualifiers
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	3J		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	1.0		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

SAMPLE DUPLICATE: 1517896

Parameter	Units	10240410002 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	109	109	.1		
4-Bromofluorobenzene (S)	%	101	102	1		
Toluene-d8 (S)	%	103	104	.9		

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.: 10240025

QC Batch: MSV/24910 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10240025012, 10240025015

METHOD BLANK: 1522005 Matrix: Water
Associated Lab Samples: 10240025012, 10240025015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1,1-Trichloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1,2-Trichloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1-Dichloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,1-Dichloroethene	ug/L	ND	1.0	09/11/13 14:09	
1,1-Dichloropropene	ug/L	ND	1.0	09/11/13 14:09	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
1,2,3-Trichloropropane	ug/L	ND	4.0	09/11/13 14:09	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	09/11/13 14:09	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	09/11/13 14:09	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	09/11/13 14:09	
1,2-Dichlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
1,2-Dichloroethane	ug/L	ND	1.0	09/11/13 14:09	
1,2-Dichloropropane	ug/L	ND	4.0	09/11/13 14:09	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	09/11/13 14:09	
1,3-Dichlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
1,3-Dichloropropane	ug/L	ND	1.0	09/11/13 14:09	
1,4-Dichlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
2,2-Dichloropropane	ug/L	ND	4.0	09/11/13 14:09	
2-Butanone (MEK)	ug/L	ND	5.0	09/11/13 14:09	
2-Chlorotoluene	ug/L	ND	1.0	09/11/13 14:09	
4-Chlorotoluene	ug/L	ND	1.0	09/11/13 14:09	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	09/11/13 14:09	
Acetone	ug/L	ND	20.0	09/11/13 14:09	
Allyl chloride	ug/L	ND	4.0	09/11/13 14:09	
Benzene	ug/L	ND	1.0	09/11/13 14:09	
Bromobenzene	ug/L	ND	1.0	09/11/13 14:09	
Bromochloromethane	ug/L	ND	1.0	09/11/13 14:09	
Bromodichloromethane	ug/L	ND	1.0	09/11/13 14:09	
Bromoform	ug/L	ND	4.0	09/11/13 14:09	
Bromomethane	ug/L	ND	4.0	09/11/13 14:09	
Carbon tetrachloride	ug/L	ND	1.0	09/11/13 14:09	
Chlorobenzene	ug/L	ND	1.0	09/11/13 14:09	
Chloroethane	ug/L	ND	1.0	09/11/13 14:09	
Chloroform	ug/L	ND	1.0	09/11/13 14:09	
Chloromethane	ug/L	ND	4.0	09/11/13 14:09	
cis-1,2-Dichloroethene	ug/L	ND	1.0	09/11/13 14:09	
cis-1,3-Dichloropropene	ug/L	ND	4.0	09/11/13 14:09	
Dibromochloromethane	ug/L	ND	1.0	09/11/13 14:09	
Dibromomethane	ug/L	ND	4.0	09/11/13 14:09	

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.: 10240025

METHOD BLANK: 1522005 Matrix: Water

Associated Lab Samples: 10240025012, 10240025015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	09/11/13 14:09	
Dichlorofluoromethane	ug/L	ND	1.0	09/11/13 14:09	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	09/11/13 14:09	
Ethylbenzene	ug/L	ND	1.0	09/11/13 14:09	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	09/11/13 14:09	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	09/11/13 14:09	
Methyl-tert-butyl ether	ug/L	ND	1.0	09/11/13 14:09	
Methylene Chloride	ug/L	ND	4.0	09/11/13 14:09	
n-Butylbenzene	ug/L	ND	1.0	09/11/13 14:09	
n-Propylbenzene	ug/L	ND	1.0	09/11/13 14:09	
Naphthalene	ug/L	ND	4.0	09/11/13 14:09	
p-Isopropyltoluene	ug/L	ND	1.0	09/11/13 14:09	
sec-Butylbenzene	ug/L	ND	1.0	09/11/13 14:09	
Styrene	ug/L	ND	1.0	09/11/13 14:09	
tert-Butylbenzene	ug/L	ND	1.0	09/11/13 14:09	
Tetrachloroethene	ug/L	ND	1.0	09/11/13 14:09	
Tetrahydrofuran	ug/L	ND	10.0	09/11/13 14:09	
Toluene	ug/L	ND	1.0	09/11/13 14:09	
trans-1,2-Dichloroethene	ug/L	ND	1.0	09/11/13 14:09	
trans-1,3-Dichloropropene	ug/L	ND	4.0	09/11/13 14:09	
Trichloroethene	ug/L	ND	0.40	09/11/13 14:09	
Trichlorofluoromethane	ug/L	ND	1.0	09/11/13 14:09	
Vinyl chloride	ug/L	ND	0.40	09/11/13 14:09	
Xylene (Total)	ug/L	ND	3.0	09/11/13 14:09	
1,2-Dichloroethane-d4 (S)	%	110	75-125	09/11/13 14:09	
4-Bromofluorobenzene (S)	%	103	75-125	09/11/13 14:09	
Toluene-d8 (S)	%	100	75-125	09/11/13 14:09	

LABORATORY CONTROL SAMPLE: 1522006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.7	109	75-125	
1,1,1-Trichloroethane	ug/L	20	22.4	112	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	20.2	101	75-125	
1,1,2-Trichloroethane	ug/L	20	22.3	111	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	21.0	105	51-139	
1,1-Dichloroethane	ug/L	20	22.5	112	75-125	
1,1-Dichloroethene	ug/L	20	22.2	111	71-126	
1,1-Dichloropropene	ug/L	20	22.4	112	74-125	
1,2,3-Trichlorobenzene	ug/L	20	20.9	105	75-125	
1,2,3-Trichloropropane	ug/L	20	20.2	101	75-125	
1,2,4-Trichlorobenzene	ug/L	20	20.7	103	75-125	
1,2,4-Trimethylbenzene	ug/L	20	20.8	104	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.4	103	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	22.6	113	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.: 10240025

LABORATORY CONTROL SAMPLE: 1522006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	20.5	102	75-125	
1,2-Dichloroethane	ug/L	20	22.1	110	74-125	
1,2-Dichloropropane	ug/L	20	20.8	104	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.6	103	75-125	
1,3-Dichlorobenzene	ug/L	20	20.3	101	75-125	
1,3-Dichloropropane	ug/L	20	21.9	109	75-125	
1,4-Dichlorobenzene	ug/L	20	19.8	99	75-125	
2,2-Dichloropropane	ug/L	20	22.3	112	67-132	
2-Butanone (MEK)	ug/L	100	110	110	68-126	
2-Chlorotoluene	ug/L	20	20.3	101	74-125	
4-Chlorotoluene	ug/L	20	20.5	103	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	104	104	72-125	
Acetone	ug/L	100	96.0	96	69-132	
Allyl chloride	ug/L	20	20.5	103	74-125	
Benzene	ug/L	20	21.4	107	75-125	
Bromobenzene	ug/L	20	20.0	100	75-125	
Bromochloromethane	ug/L	20	22.1	111	75-125	
Bromodichloromethane	ug/L	20	21.4	107	75-125	
Bromoform	ug/L	20	20.1	100	75-126	
Bromomethane	ug/L	20	26.9	135	30-150	
Carbon tetrachloride	ug/L	20	23.0	115	74-127	
Chlorobenzene	ug/L	20	20.3	101	75-125	
Chloroethane	ug/L	20	21.8	109	68-132	
Chloroform	ug/L	20	21.0	105	75-125	
Chloromethane	ug/L	20	25.2	126	61-129	
cis-1,2-Dichloroethene	ug/L	20	23.4	117	75-125	
cis-1,3-Dichloropropene	ug/L	20	22.1	111	75-125	
Dibromochloromethane	ug/L	20	21.8	109	75-125	
Dibromomethane	ug/L	20	20.8	104	75-125	
Dichlorodifluoromethane	ug/L	20	20.4	102	49-137	
Dichlorofluoromethane	ug/L	20	22.1	110	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	22.3	111	75-125	
Ethylbenzene	ug/L	20	19.1	95	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.0	105	69-127	
Isopropylbenzene (Cumene)	ug/L	20	21.8	109	75-125	
Methyl-tert-butyl ether	ug/L	20	21.9	109	74-126	
Methylene Chloride	ug/L	20	21.2	106	75-125	
n-Butylbenzene	ug/L	20	21.6	108	72-126	
n-Propylbenzene	ug/L	20	20.5	102	73-125	
Naphthalene	ug/L	20	21.7	109	75-125	
p-Isopropyltoluene	ug/L	20	21.7	108	74-125	
sec-Butylbenzene	ug/L	20	21.2	106	73-125	
Styrene	ug/L	20	22.2	111	75-125	
tert-Butylbenzene	ug/L	20	21.0	105	73-125	
Tetrachloroethene	ug/L	20	20.6	103	75-125	
Tetrahydrofuran	ug/L	200	195	98	71-125	
Toluene	ug/L	20	19.7	98	75-125	
trans-1,2-Dichloroethene	ug/L	20	22.8	114	74-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

LABORATORY CONTROL SAMPLE: 1522006

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	22.2	111	75-125	
Trichloroethene	ug/L	20	20.8	104	75-125	
Trichlorofluoromethane	ug/L	20	23.5	117	69-129	
Vinyl chloride	ug/L	20	23.9	120	70-128	
Xylene (Total)	ug/L	60	61.8	103	75-125	
1,2-Dichloroethane-d4 (S)	%			107	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1522007 1522008

Parameter	Units	10241268001 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	24	24	24.7	25.7	103	107	75-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	24	24	26.5	26.7	110	111	75-136	.8	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	24	24	24.6	24.0	103	100	66-131	2	30	
1,1,2-Trichloroethane	ug/L	ND	24	24	24.5	25.3	102	106	75-125	3	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	24	24	33.2	34.0	138	142	75-150	2	30	
1,1-Dichloroethane	ug/L	ND	24	24	25.6	26.2	107	109	75-131	2	30	
1,1-Dichloroethene	ug/L	ND	24	24	25.8	26.4	108	110	75-138	2	30	
1,1-Dichloropropene	ug/L	ND	24	24	25.7	26.7	107	111	75-136	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	24	24	23.6	24.0	98	100	75-125	2	30	
1,2,3-Trichloropropane	ug/L	ND	24	24	24.2	23.0	101	96	71-126	5	30	
1,2,4-Trichlorobenzene	ug/L	ND	24	24	22.9	23.8	95	99	75-125	4	30	
1,2,4-Trimethylbenzene	ug/L	ND	24	24	25.0	24.6	104	102	70-126	2	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	60	60	58.6	60.9	98	102	69-127	4	30	
1,2-Dibromoethane (EDB)	ug/L	ND	24	24	24.7	25.4	103	106	75-125	3	30	
1,2-Dichlorobenzene	ug/L	ND	24	24	24.1	24.7	101	103	75-125	2	30	
1,2-Dichloroethane	ug/L	ND	24	24	24.1	24.6	100	103	74-128	2	30	
1,2-Dichloropropane	ug/L	ND	24	24	24.0	24.3	100	101	75-125	1	30	
1,3,5-Trimethylbenzene	ug/L	ND	24	24	24.6	24.1	102	101	72-126	2	30	
1,3-Dichlorobenzene	ug/L	ND	24	24	23.8	23.2	99	97	75-125	3	30	
1,3-Dichloropropane	ug/L	ND	24	24	24.2	25.5	101	106	75-125	5	30	
1,4-Dichlorobenzene	ug/L	ND	24	24	23.3	24.1	97	100	75-125	3	30	
2,2-Dichloropropane	ug/L	ND	24	24	24.8	25.4	103	106	71-143	2	30	
2-Butanone (MEK)	ug/L	ND	120	120	117	120	98	100	64-125	2	30	
2-Chlorotoluene	ug/L	ND	24	24	23.7	23.4	99	97	74-125	1	30	
4-Chlorotoluene	ug/L	ND	24	24	24.0	23.6	100	98	75-125	2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	120	120	120	123	100	103	69-125	3	30	
Acetone	ug/L	ND	120	120	108	107	86	85	57-135	.6	30	
Allyl chloride	ug/L	ND	24	24	23.1	23.4	96	97	73-134	1	30	
Benzene	ug/L	ND	24	24	24.0	24.9	100	104	70-135	4	30	
Bromobenzene	ug/L	ND	24	24	23.4	22.4	98	93	75-125	4	30	
Bromochloromethane	ug/L	ND	24	24	24.4	24.6	102	103	75-125	1	30	
Bromodichloromethane	ug/L	ND	24	24	24.9	25.2	104	105	75-125	1	30	
Bromoform	ug/L	ND	24	24	22.5	21.8	94	91	68-133	3	30	
Bromomethane	ug/L	ND	24	24	28.3	37.1	118	154	56-150	27	30	M1

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.: 10240025

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1522007 1522008

Parameter	Units	10241268001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Carbon tetrachloride	ug/L	ND	24	24	26.6	28.0	111	117	75-137	5	30	
Chlorobenzene	ug/L	ND	24	24	23.4	24.0	98	100	75-125	2	30	
Chloroethane	ug/L	ND	24	24	30.2	30.8	126	128	64-150	2	30	
Chloroform	ug/L	ND	24	24	23.6	23.9	99	100	75-127	1	30	
Chloromethane	ug/L	ND	24	24	31.5	31.4	131	131	65-140	.3	30	
cis-1,2-Dichloroethene	ug/L	ND	24	24	25.4	26.6	106	111	75-129	5	30	
cis-1,3-Dichloropropene	ug/L	ND	24	24	24.3	24.6	101	102	75-125	1	30	
Dibromochloromethane	ug/L	ND	24	24	23.9	25.1	100	105	75-125	5	30	
Dibromomethane	ug/L	ND	24	24	23.0	22.9	96	95	75-125	.7	30	
Dichlorodifluoromethane	ug/L	ND	24	24	36.0	38.5	150	160	70-150	7	30	M1
Dichlorofluoromethane	ug/L	ND	24	24	29.7	31.1	124	130	69-142	5	30	
Diethyl ether (Ethyl ether)	ug/L	ND	24	24	23.7	24.4	99	102	75-125	3	30	
Ethylbenzene	ug/L	ND	24	24	22.4	23.3	93	97	75-125	4	30	
Hexachloro-1,3-butadiene	ug/L	ND	24	24	24.4	25.5	102	106	75-135	4	30	
Isopropylbenzene (Cumene)	ug/L	ND	24	24	24.5	24.5	102	102	75-125	.06	30	
Methyl-tert-butyl ether	ug/L	ND	24	24	22.5	22.9	94	95	70-132	1	30	
Methylene Chloride	ug/L	ND	24	24	23.4	23.4	97	98	73-125	.3	30	
n-Butylbenzene	ug/L	ND	24	24	25.1	26.3	105	109	75-130	4	30	
n-Propylbenzene	ug/L	ND	24	24	24.6	24.2	102	101	75-128	1	30	
Naphthalene	ug/L	ND	24	24	24.2	25.4	101	106	73-126	5	30	
p-Isopropyltoluene	ug/L	ND	24	24	25.2	24.7	105	103	75-125	2	30	
sec-Butylbenzene	ug/L	ND	24	24	25.0	24.8	104	103	75-126	1	30	
Styrene	ug/L	ND	24	24	24.8	24.6	103	102	52-137	.9	30	
tert-Butylbenzene	ug/L	ND	24	24	24.7	24.3	103	101	75-125	2	30	
Tetrachloroethene	ug/L	ND	24	24	24.1	25.7	100	107	75-130	6	30	
Tetrahydrofuran	ug/L	ND	240	240	204	205	85	85	69-125	.3	30	
Toluene	ug/L	ND	24	24	22.7	24.1	94	100	75-125	6	30	
trans-1,2-Dichloroethene	ug/L	ND	24	24	25.4	26.5	106	111	75-135	4	30	
trans-1,3-Dichloropropene	ug/L	ND	24	24	24.0	25.1	100	104	75-125	4	30	
Trichloroethene	ug/L	ND	24	24	24.3	24.6	101	103	75-129	1	30	
Trichlorofluoromethane	ug/L	ND	24	24	34.8	37.0	145	154	75-150	6	30	M1
Vinyl chloride	ug/L	ND	24	24	31.6	33.0	132	138	75-147	4	30	
Xylene (Total)	ug/L	ND	72	72	70.3	69.8	98	97	75-125	.7	30	
1,2-Dichloroethane-d4 (S)	%						101	105	75-125			
4-Bromofluorobenzene (S)	%						99	94	75-125			
Toluene-d8 (S)	%						101	103	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.: 10240025

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

WORKORDER QUALIFIERS

WO: 10240025

[1] Samples in this workorder were received in the laboratory without an associated trip blank.

ANALYTE QUALIFIERS

H1 Analysis conducted outside the recognized method holding time.

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

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240025

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10240025001	**MW-17**	EPA 8260	MSV/24844		
10240025002	**MW-18**	EPA 8260	MSV/24828		
10240025003	**DPE-1**	EPA 8260	MSV/24844		
10240025004	**DPE-2**	EPA 8260	MSV/24844		
10240025005	**DPE-3**	EPA 8260	MSV/24844		
10240025006	**DPE-4**	EPA 8260	MSV/24831		
10240025007	**DPE-5**	EPA 8260	MSV/24831		
10240025008	**DPE-6**	EPA 8260	MSV/24831		
10240025009	**DPE-7**	EPA 8260	MSV/24831		
10240025010	**DPE-8**	EPA 8260	MSV/24831		
10240025011	**MW-15**	EPA 8260	MSV/24844		
10240025012	**MW-16**	EPA 8260	MSV/24910		
10240025013	**MW-14**	EPA 8260	MSV/24834		
10240025014	**MW-19**	EPA 8260	MSV/24834		
10240025015	**MW-20**	EPA 8260	MSV/24910		

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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.

1139

10240025

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ THER_____

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

Valid Matrix Codes

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

ITEM #	Section D Required Client Information SAMPLE ID (One Character per box. (A-Z, 0-9 / ,-) IDs MUST BE UNIQUE) Samples	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: EPA 8260 VOCs	Pace Project Number Lab I.D.
1	MW-17	W	G	8/26/13	16:26				3										X	001
2	MW-18	W	G	8/26/13	16:19				3										X	002
3	DPE-1	W	G	8/26/13	13:45				3										X	003
4	DPE-2	W	G	8/26/13	14:56				3										X	004
5	DPE-3	W	G	8/26/13	14:20				3										X	005
6	DPE-4	W	G	8/26/13	14:15				3										X	006
7	DPE-5	W	G	8/26/13	14:00				3										X	007
8	DPE-6	W	G	8/26/13	13:55				3										X	008
5	DPE-7	W	G	8/26/13	13:45				3										X	009
6	DPE-8	W	G	8/26/13	14:10				3										X	010
7	MW-15	W	G	8/26/13	15:15				3										X	011
8	MW-16	W	G	8/26/13	15:32				3										X	012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
			CMP PACE	8/27/13	1653	4.8	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)

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

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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.

10/24/2025

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ THER_____

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

Section D Required Client Information

SAMPLE ID

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

Samples

Valid Matrix Codes

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

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: EPA 8260 VOCs	Pace Project Number / Lab I.D.
1	MW-14	W	G	8/26/13	15:00				3									X	013
2	MW-19	W	G	8/26/13	14:40				3									X	014
3	MW-20	W	G	8/26/13	15:25				3									X	015
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			PACE	8/27/13	1653	4.8

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
4.8	(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**	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: **F-MN-L-213-rev.06**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: (ere)nor lc

Project #: WO# : 10240025

10240025

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

Tracking Number:

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

Optional: Proj. Due Date: Proj. Name:

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

Thermom. Used: ☒ 888A912167504 ☐ 80512447 ☐ 72337080 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.3 **Cooler Temp Corrected (°C):** 4.8 **Biological Tissue Frozen?** ☐ Yes ☐ No

Temp should be above freezing to 6°C **Correction Factor:** +0.5 **Date and Initials of Person Examining Contents:** 8/27/13

Comments:

Chain of Custody Present?	☒ Yes	☐ No	☐ N/A	1.
Chain of Custody Filled Out?	☒ Yes	☐ No	☐ N/A	2.
Chain of Custody Relinquished?	☒ Yes	☐ No	☐ N/A	3.
Sampler Name and/or Signature on COC?	☐ Yes	☒ No	☐ N/A	4.
Samples Arrived within Hold Time?	☒ Yes	☐ No	☐ N/A	5.
Short Hold Time Analysis (<72 hr)?	☐ Yes	☒ No	☐ N/A	6.
Rush Turn Around Time Requested?	☐ Yes	☒ No	☐ N/A	7.
Sufficient Volume?	☒ Yes	☐ No	☐ N/A	8.
Correct Containers Used?	☒ Yes	☐ No	☐ N/A	9.
-Pace Containers Used?	☒ Yes	☐ No	☐ N/A	
Containers Intact?	☒ Yes	☐ No	☐ N/A	10.
Filtered Volume Received for Dissolved Tests?	☐ Yes	☐ No	☒ N/A	11.
Sample Labels Match COC? -Includes Date/Time/ID/Analysis Matrix: WT	☐ Yes	☒ No	☐ N/A	12. DRE 1427 COC 13:45
All containers needing acid/base preservation have been checked? Noncompliances are noted in 13.	☐ Yes	☐ No	☒ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO_3, H_2SO_4, HCl<2; NaOH>12)	☐ Yes	☐ No	☒ N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒ Yes	☐ No		Initial when completed: Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☒ Yes	☐ No	☐ N/A	14.
Trip Blank Present?	☐ Yes	☒ No	☐ N/A	15.
Trip Blank Custody Seals Present?	☐ Yes	☒ No	☐ N/A	
Pace Trip Blank Lot # (if purchased):				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: Date: 8-28-13

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

September 06, 2013

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240100

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2013. 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,

Nicole Benjamin for
Carol Davy
carol.davy@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.: 10240100

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
Colorado Certification #Pace
Connecticut Certification #: PH-0256
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Hawaii Certification #Pace
Idaho Certification #: MN00064
Illinois Certification #: 200011
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
Nebraska Certification #: Pace
Nevada Certification #: MN_00064
New Jersey Certification #: MN-002
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
Ohio VAP Certification #: CL101
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Oregon Certification #: MN300001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Utah Certification #: MN00064
Virginia/DCLS Certification #: 002521
Virginia/VELAP Certification #: 460163
Washington Certification #: C754
West Virginia Certification #: 382
Wisconsin Certification #: 999407970

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

SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240100

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10240100001	**MS-1**	Solid	08/27/13 10:10	08/27/13 16:53

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(612)607-1700

SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240100

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10240100001	**MS-1**	EPA 8260	EB2	14

REPORT OF LABORATORY ANALYSIS

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.: 10240100

Sample: MS-1 **Lab ID: 10240100001** Collected: 08/27/13 10:10 Received: 08/27/13 16:53 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV TCLP	Analytical Method: EPA 8260 Leachate Method/Date: EPA 1311; 08/30/13 09:47							
Benzene	ND	ug/L	50.0	1		09/06/13 14:38	71-43-2	
2-Butanone (MEK)	ND	ug/L	200	1		09/06/13 14:38	78-93-3	
Carbon tetrachloride	ND	ug/L	200	1		09/06/13 14:38	56-23-5	
Chlorobenzene	ND	ug/L	50.0	1		09/06/13 14:38	108-90-7	
Chloroform	ND	ug/L	50.0	1		09/06/13 14:38	67-66-3	
1,4-Dichlorobenzene	ND	ug/L	50.0	1		09/06/13 14:38	106-46-7	
1,2-Dichloroethane	ND	ug/L	50.0	1		09/06/13 14:38	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	1		09/06/13 14:38	75-35-4	
Tetrachloroethene	ND	ug/L	50.0	1		09/06/13 14:38	127-18-4	
Trichloroethene	ND	ug/L	50.0	1		09/06/13 14:38	79-01-6	
Vinyl chloride	ND	ug/L	20.0	1		09/06/13 14:38	75-01-4	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		09/06/13 14:38	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		09/06/13 14:38	2037-26-5	
4-Bromofluorobenzene (S)	105	%	75-125	1		09/06/13 14:38	460-00-4	

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.: 10240100

QC Batch: MSV/24838
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV TCLP
Associated Lab Samples: 10240100001

METHOD BLANK: 1515486 Matrix: Water
Associated Lab Samples: 10240100001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1-Dichloroethene	ug/L	ND	50.0	09/06/13 13:51	
1,2-Dichloroethane	ug/L	ND	50.0	09/06/13 13:51	
1,4-Dichlorobenzene	ug/L	ND	50.0	09/06/13 13:51	
2-Butanone (MEK)	ug/L	ND	200	09/06/13 13:51	
Benzene	ug/L	ND	50.0	09/06/13 13:51	
Carbon tetrachloride	ug/L	ND	200	09/06/13 13:51	
Chlorobenzene	ug/L	ND	50.0	09/06/13 13:51	
Chloroform	ug/L	ND	50.0	09/06/13 13:51	
Tetrachloroethene	ug/L	ND	50.0	09/06/13 13:51	
Trichloroethene	ug/L	ND	50.0	09/06/13 13:51	
Vinyl chloride	ug/L	ND	20.0	09/06/13 13:51	
1,2-Dichloroethane-d4 (S)	%	110	75-125	09/06/13 13:51	
4-Bromofluorobenzene (S)	%	105	75-125	09/06/13 13:51	
Toluene-d8 (S)	%	104	75-125	09/06/13 13:51	

LABORATORY CONTROL SAMPLE: 1515487

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1-Dichloroethene	ug/L	1000	798	80	67-125	
1,2-Dichloroethane	ug/L	1000	924	92	70-125	
1,4-Dichlorobenzene	ug/L	1000	913	91	73-125	
2-Butanone (MEK)	ug/L	5000	4850	97	60-125	
Benzene	ug/L	1000	883	88	72-125	
Carbon tetrachloride	ug/L	1000	864	86	69-125	
Chlorobenzene	ug/L	1000	906	91	75-125	
Chloroform	ug/L	1000	836	84	74-125	
Tetrachloroethene	ug/L	1000	867	87	69-125	
Trichloroethene	ug/L	1000	895	89	73-125	
Vinyl chloride	ug/L	1000	947	95	66-126	
1,2-Dichloroethane-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			100	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1515488 1515489

Parameter	Units	10240100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1-Dichloroethene	ug/L	ND	1000	1000	1040	870	104	87	64-134	18	30	
1,2-Dichloroethane	ug/L	ND	1000	1000	1030	876	103	88	55-143	17	30	
1,4-Dichlorobenzene	ug/L	ND	1000	1000	1050	889	104	88	75-125	17	30	

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.: 10240100

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1515488 1515489

Parameter	Units	10240100001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2-Butanone (MEK)	ug/L	ND	5000	5000	5260	4530	105	91	37-150	15	30	
Benzene	ug/L	ND	1000	1000	1040	870	103	87	75-125	17	30	
Carbon tetrachloride	ug/L	ND	1000	1000	1140	943	114	94	58-144	19	30	
Chlorobenzene	ug/L	ND	1000	1000	1030	878	103	88	75-125	16	30	
Chloroform	ug/L	ND	1000	1000	982	822	98	82	61-137	18	30	
Tetrachloroethene	ug/L	ND	1000	1000	1070	896	107	90	66-129	17	30	
Trichloroethene	ug/L	ND	1000	1000	1080	905	108	90	30-150	17	30	
Vinyl chloride	ug/L	ND	1000	1000	1160	949	116	95	72-129	20	30	
1,2-Dichloroethane-d4 (S)	%						101	102	75-125			
4-Bromofluorobenzene (S)	%						100	100	75-125			
Toluene-d8 (S)	%						102	102	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.: 10240100

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10240100

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10240100001	**MS-1**	EPA 8260	MSV/24838		

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.

1359
10240100

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 ☐ THER_____

SITE LOCATION: ☐ BA ☐ L ☐ N ☐ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ THER____

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: TLCP VOC	Pace Project Number Lab I.D.
1	MS-1	S	G	8/27/13	10:10				3									X	001
2																			
3																			
4																			
5																			
6																			
7																			
8																			
5																			
6																			
7																			
8																			

Filtered (Y/N)

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
			PACE	8/27/13	1653	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)

Temp in °C | Received on Ice | Custody Sealed Cooler | Samples Intact

Pace Analytical	Document Name: **Sample Condition Upon Receipt Form**	Document Revised: 28Jan2013 Page 1 of 1
	Document No.: **F-MN-L-213-rev.06**	Issuing Authority: Pace Minnesota Quality Office

Sample Condition Upon Receipt

Client Name: (ere)por IC

Project #: WO#: 10240100

10240100

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

Tracking Number:

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

Optional: Proj. Due Date: Proj. Name:

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

Thermom. Used: ☒ 888A912167504 ☐ 80512447 ☐ 72337080 **Type of Ice:** ☒ Wet ☐ Blue ☐ None ☐ Samples on ice, cooling process has begun

Cooler Temp Read (°C): 4.3 **Cooler Temp Corrected (°C):** 4.8 **Biological Tissue Frozen?** ☐ Yes ☐ No

Temp should be above freezing to 6°C **Correction Factor:** +0.5 **Date and Initials of Person Examining Contents:** CMD 8/27/13

Comments:

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

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: CMD **Date:** 8-28-13

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: 8/12/2013	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]):	81	Air Stripper Influent Flow Rate (L/s):	0.019	
	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	57	2				
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	14	1				
Carbon disulfide	75-15-0						
Carbon tetrachloride	56-23-5						
Chlorobenzene	108-90-7						
Chloroethane (Ethyl chloride)	75-00-3						
Chloroform	67-66-3	3	0				
Chloromethane (Methyl chloride)	74-87-3	2	0		7		
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	8	0				
trans-1,2-Dichloroethene	156-60-5						
Dichlorodifluoromethane (Freon 12)	75-71-8	4	0				
1,2-Dichloropropane	78-87-5						
cis-1,3-Dichloropropene	10061-01-5						
trans-1,3-Dichloropropene	10061-02-6						
Dichlorotetrafluoroethane (Freon 114)	76-14-2						
Ethanol	64-17-5	98	4				
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	7	0				
2-Hexanone (Methyl butyl ketone)	591-78-6						
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1						
Methylene chloride (Dichloromethane)	75-09-2	5	0				
Methyl-tert-butyl ether (MTBE)	1634-04-4						
Naphthalene	91-20-3						
2-Propanol (Isopropyl alcohol)	67-63-0						

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction (SVE) and/or Air Stripper (AS) Data Input Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 8/12/2013	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]):	81	Air Stripper Influent Flow Rate (L/s):	0.019	
	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	122	5	36	0	1.00	1
Tetrahydrofuran	109-99-9	3	0				
Toluene (Methylbenzene)	108-88-3	6	0				
1,2,4-Trichlorobenzene	120-82-1						
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	4	0				
1,1,2-Trichloroethane	79-00-5						
Trichloroethylene (TCE)	79-01-6	2	0				
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	2,820	107				
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: 8/12/2013
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	0.0			0.0	0.0					0.0	0.0			
Chloromethane (Methyl chloride)	74-87-3	0.0	0.0			0.0	0.0								
Cyclohexane	110-82-7														
Dibromochloromethane	124-48-1														
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4														
1,2-Dichlorobenzene	95-50-1														
1,3-Dichlorobenzene	541-73-1														
1,4-Dichlorobenzene	106-46-7														
1,1-Dichloroethane	75-34-3														
1,2-Dichloroethane (DCA)	107-06-2														
1,1-Dichloroethene (DCE)	75-35-4														
cis-1,2-Dichloroethene	156-59-2														
trans-1,2-Dichloroethene	156-60-5														
Dichlorodifluoromethane (Freon 12)	75-71-8					0.0					0.0				
1,2-Dichloropropane	78-87-5														
cis-1,3-Dichloropropene*	10061-01-5														
trans-1,3-Dichloropropene*	10061-02-6														
Dichlorotetrafluoroethane (Freon 114)	76-14-2														
Ethanol	64-17-5	0.0		0.0		0.0							0.0		
Ethyl acetate	141-78-6														
Ethylbenzene	100-41-4														
4-Ethyltoluene	622-96-8														
n-Heptane	142-82-5														
Hexachloro-1,3-butadiene	87-68-3														
n-Hexane	110-54-3					0.0	0.0						0.0		
2-Hexanone (Methyl butyl ketone)	591-78-6														
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1														
Methylene chloride (Dichloromethane)	75-09-2	0.0	0.0			0.0	0.0	0.0							2E-10
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								4E-09
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: 8/12/2013
Person Completing Worksheet: KAB

Chemical Name	CAS #	Acute Mixtures Evaluation				Chronic Noncancer Mixtures Evaluation									Excess Lifetime Cancer Risk (guideline value = 1E-5)
		Acute Hazard Quotient	CNS	IRRIT	REPRO	Chronic Noncancer Hazard Quotient	CNS	CV/BLD	IMMUN	KIDN	LIVER/GI	REPRO	RESP	WHOLE BODY	
Toluene (Methylbenzene)	108-88-3	0.0	0.0	0.0		0.0	0.0								
1,2,4-Trichlorobenzene	120-82-1														
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6	0.0	0.0			0.0	0.0								
1,1,2-Trichloroethane	79-00-5														
Trichloroethylene (TCE)	79-01-6	0.0			0.0	0.0	0.0								3E-10
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	4.8E-09

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