July 31, 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 May 23, 2013 to June 26, 2013 monitoring events, as well as quarterly groundwater monitoring data from samples collected on May 23, 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.

Therefore, the DPE system was temporarily shut down during this reporting period from April 4 through May 23, 2013, to conduct a DPE shutdown period to evaluate the rebound in emissions and groundwater concentrations. The DPE system has been operating since May 23. The DPE system was also monitored and sampled during this reporting period on June 26, 2013.

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

System Operational Results

When comparing the June 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 215 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 102 ug/m^3, a decrease of 99.9 percent from the baseline concentration (See **Figures 4A** and **4B**, and **Tables 2 and 3**). The PCE concentrations from the June 26, 2013, sampling events decreased from the March 21, 2013, concentrations as shown in **Figure 4B**.

During this reporting period, the DPE system removed approximately 11.0 pounds of total VOCs, including approximately 8.37 pounds of PCE, from March 21, through June 26, 2013 (see **Figure 5** and **Table 2**). Through June 26, 2013, the DPE system has removed a total of 3,696.18 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 May 23, 2013 through June 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 June 26, 2013 was 0.65 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**.

While the DPE system was shut down from April 4 through May 23, 2013, for rebound testing, 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 groundwater elevations may have also reached pockets of contaminated bedrock above the treatment zone of the DPE system. The groundwater hydrographs for the DPE and monitoring wells generally showed a decreasing trend from May 23, 2013 through June 26, 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 May 23, 2013. After approximately three years of DPE system operation, the PCE concentrations have decreased at all of the monitoring and DPE wells (see **Figures 9A** and **9B**, and **Table 9**). The associated percent decrease of PCE concentration at each well with the exception of MW-19, when compared to baseline groundwater concentrations, is listed as follows: MW-14 (92.8%), MW-15 (96.3%), MW-16 (47.2%), MW-17 (40.8%), MW-18 (99.5%), MW-20 (66.9%), DPE-1 (93.9%), DPE-2 (81.4%), DPE-3 (59.3%), DPE-4 (61.5%), DPE-5 (69.8%), DPE-6 (96.7%), DPE-7 (92.8%) and DPE 8 (70.1%). Increased concentrations of PCE, when compared to the February 26, 2013 groundwater data were observed at MW-14, MW-15, MW-16, MW-17, MW-19, MW-20, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6 and DPE-8. As previously discussed, the historical high groundwater levels caused the PCE groundwater concentrations to increase at most of the wells sampled on May 23, 2013. ***Despite the increase in PCE groundwater concentrations at these wells, the downgradient and sidegradient monitoring well (MW-14, MW-15, and MW-19) concentrations of PCE are still below the Minnesota Department of Health Health Risk Limit for PCE of 7 ug/L.*** **Figure 10** shows the iso-concentration contour map for PCE during the May 23, 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**).

Conclusions

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

- The DPE system is operating as designed and has removed a significant amount of VOCs since system startup in June 2009.

- Through June 26, 2013, the DPE system removed 3,696.18 pounds of total VOCs, including

2,788.30 pounds of PCE from the subsurface.

- When comparing the June 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.

- The DPE system removed 11.0 pounds of total VOCs, including approximately 8.37 pounds from PCE, from March 21, 2013, through June 26, 2013.

- 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..

- 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 (92.8%), MW-15 (96.3%), MW-16 (47.2%), MW-17 (40.8%), MW-18 (99.5%), MW-20 (66.9%), DPE-1 (93.9%), DPE-2 (81.4%), DPE-3 (59.3%), DPE-4 (61.5%), DPE-5 (69.8%), DPE-6 (96.7%), DPE-7 (92.8%) and DPE 8 (70.1%)

- Increased concentrations of PCE, when compared to the February 26, 2013 groundwater data were observed at MW-14, MW-15, MW-16, MW-17, MW-19, MW-20, DPE-1, DPE-2, DPE-3, DPE-4, DPE-5, DPE-6 and DPE-8. As previously discussed, the historical high groundwater levels caused the PCE groundwater concentrations to increase at most of the wells sampled on May 23, 2013. ***Despite the increase in PCE groundwater concentrations at these wells, the downgradient and sidegradient monitoring well (MW-14, MW-15, and MW-19) concentrations of PCE are still below the Minnesota Department of Health Health Risk Limit for PCE of 7 ug/L.***

Recommendations

Based on the following lines of evidence, Landmark recommends permanently shutting down the DPE system during the August 2013 quarterly groundwater and monthly DPE system monitoring event, and opening up the valves to the passive venting system riser pipes:

- As demonstrated in the April 9, 2013, *Soil Vapor Sampling Summary Report* by Landmark, all of the detected parameters in the soil vapor were below the MPCA's applicable 10X Industrial Intrusion Screening Values. Therefore, there is not a risk of vapor intrusion into the building on the Property or for buildings on adjacent properties.

- The vapor barrier and venting system will provide long-term vapor intrusion mitigation, preventing the risk of a vapor intrusion pathway on the Property or for adjacent buildings in the future. The vapor barrier and venting system will allow sub-slab soil vapors to vent to the atmosphere, preventing lateral migration of soil vapors onto adjacent properties.

- Despite the increase in groundwater PCE concentrations at some of the wells, the downgradient

and sidegradient monitoring wells MW-14, MW-15, and MW-19 continue to have concentrations below the HRL for PCE of 7 ug/L.

- The PCE and VOC emissions concentrations and rates have decreased 99.9% when compared to baseline concentrations, reaching asymptotic levels and the point of diminishing returns.

- The PCE and total VOC mass removal rates have also become asymptotic and reached the point of diminishing returns.

Landmark also recommends the following:

- Continuing quarterly groundwater monitoring and semiannual soil vapor monitoring.

- Discontinuing groundwater monitoring at DPE-5, DPE-6, DPE-7, and MW-17. DPE-5 can be removed from monitoring program because it is directly upgradient from MW-14, which will continue to be sampled on a quarterly basis. DPE-6 and DPE-7 have had low PCE concentrations since the DPE system was started in 2009 and currently maintained concentrations below the HRL during the historical high groundwater elevations during the May 23, 2013, sampling event. Monitoring at MW-17 can be discontinued because the shallow (MW-16) and deep (MW-18) wells from this well nest will be adequate for determining the vertical groundwater contaminant profile in this area of the Property.

Per the MPCA's letter to Terry Spaeth on June 17, 2013, titled *Soil Vapor Sampling Report – Conditional Approval*, the MPCA approved Landmark's 2013 *Soil Vapor Sampling Summary Report* with the following modifications:

- "A follow-up Response Action addendum, such as a soil vapor monitoring and DPE system contingency plan, must be submitted to meet the following objectives:

    - When the DPE system is finally shut down, there should be some long-term soil vapor monitoring, maybe one set in the winter and one set in the summer, to ensure that the contaminant vapor concentrations remain less than the MPCA's 10X Industrial Intrusion Screening Value (IISV).
    - Restart of the DPE system in the event soil vapor monitoring concentrations increase substantially; and,
    - DPE equipment maintenance on-site until MPCA approval to remove it."

Also, in an email to Landmark dated June 19, 2013, the MPCA requested the following items for clarification and modification in their response to Landmark's May 3, 2013, *Quarterly Groundwater Monitoring and Dual Phase Extraction System Effectiveness Report*:

- "We agree with Landmark's recommendation to temporarily shut down the DPE system to determine any rebound in system vapor concentrations or the groundwater concentrations, yet, please provide the schedule for future groundwater and soil vapor sampling.
- If the PCE concentrations in the vapor and/or groundwater trend upward, what contingencies would Landmark have to recommend (i.e. enhanced biodegradation using the existing DPE ports and wells as a way of reducing the remaining contamination below the building).

The MPCA's requested modifications and items for clarification are addressed below:

- If the MPCA requests a Response Action addendum after reviewing this Report, Landmark will prepare one.
- As previously recommended by Landmark in this Report, Landmark will conduct quarterly groundwater monitoring and semiannual soil vapor monitoring events in the summer and winter.
- During the first year of soil vapor and groundwater monitoring with the DPE system off, Landmark will restart the DPE system if soil vapor or groundwater concentrations uptrend as described below:
    - 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);
    - if groundwater concentrations at downgradient and sidegradient monitoring wells MW-14, MW-15, and MW-19 exceed 10X HRL for PCE (70 ug/L).

If the soil vapor and groundwater concentrations do not exceed these levels after one year of monitoring with the DPE system off, the DPE system will be decommissioned and removed from the building, per the MPCA's approval.

The City and Landmark respectfully request a response to this letter at your earliest convenience and prior to the August 2013 DPE system shutdown event which will occur the third week in August. If you have any questions or require additional information, please feel free to contact me at jskramstad@landmarkenv.com and (952) 887-9601, extension 205.

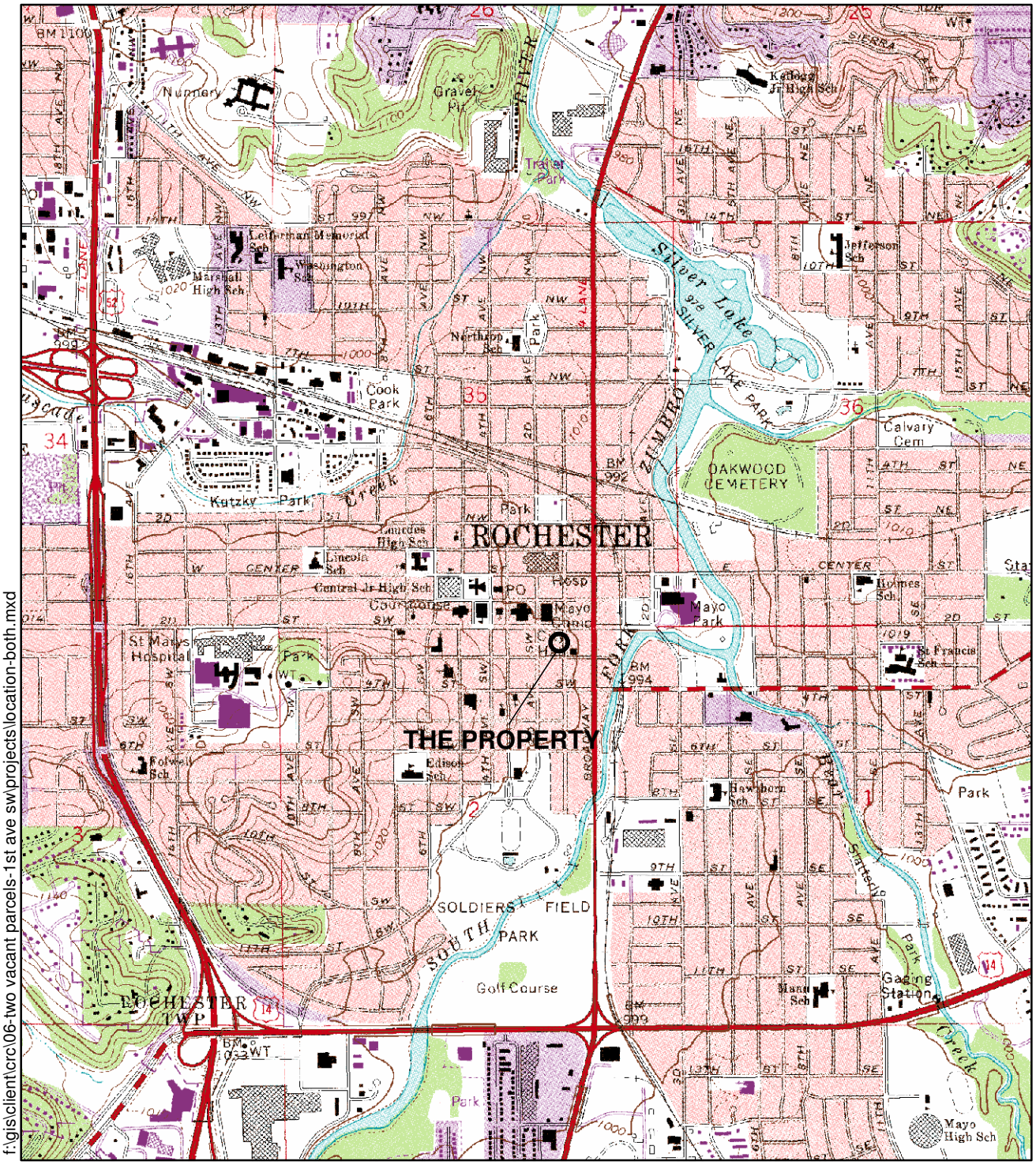
Sincerely,

Jason D. Skramstad, P.E.

Cc: Terry Spaeth, City of Rochester

F:\PROJECTS\Crc-City of Rochester\Monthly System Reports\20130731\20130731 Quarterly DPE Sys Effectiveness Report.doc

Figures



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

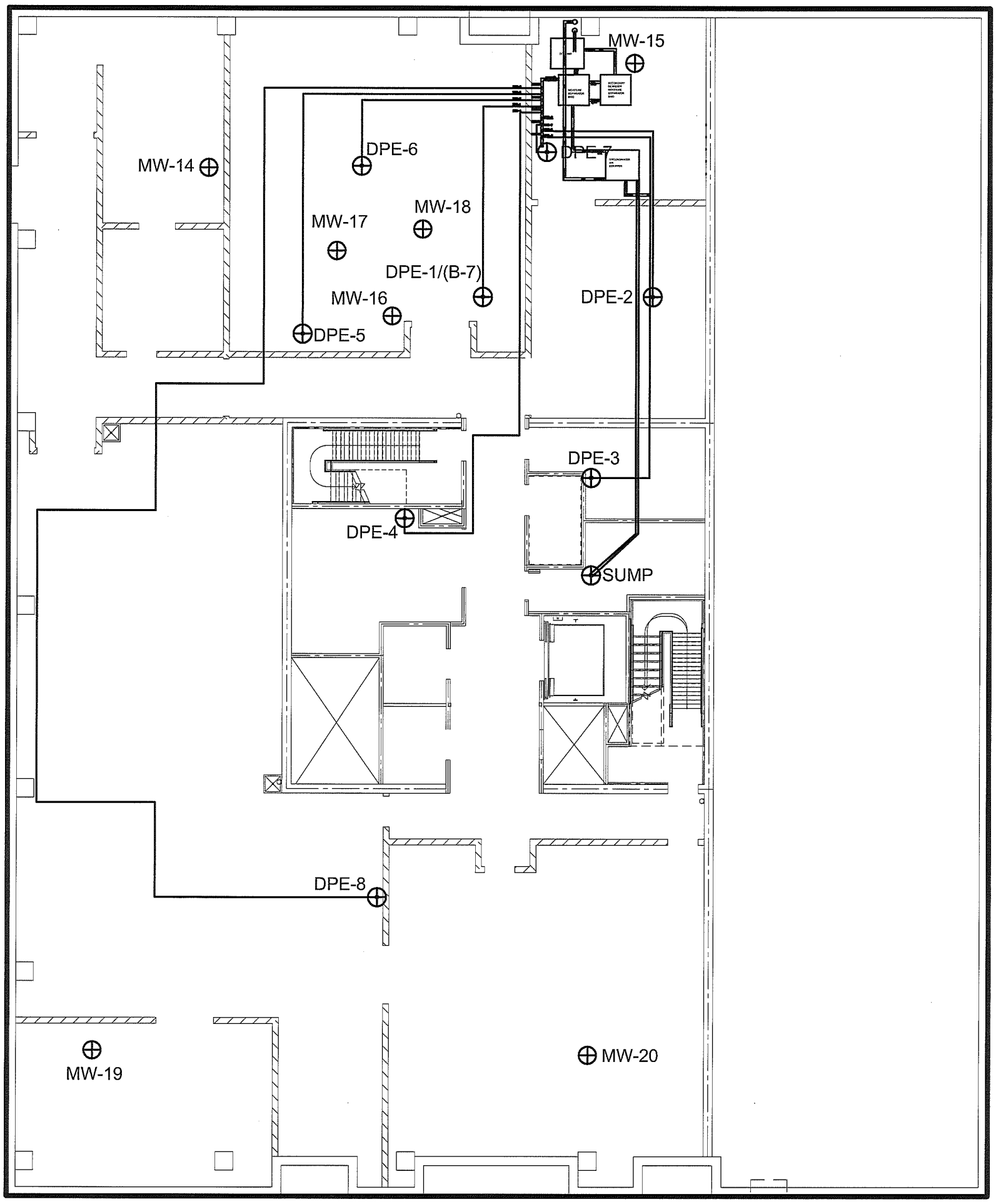
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

N

2,000 1,000 0 2,000 Feet

FIGURE 1

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



BASEMENT FLOOR PLAN

LEGEND

⊕ DPE, Monitoring Well, or Sump Location

DPE Piping Location

Property Boundary

N

20 feet
SCALE

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

Rev	Date	By	Description

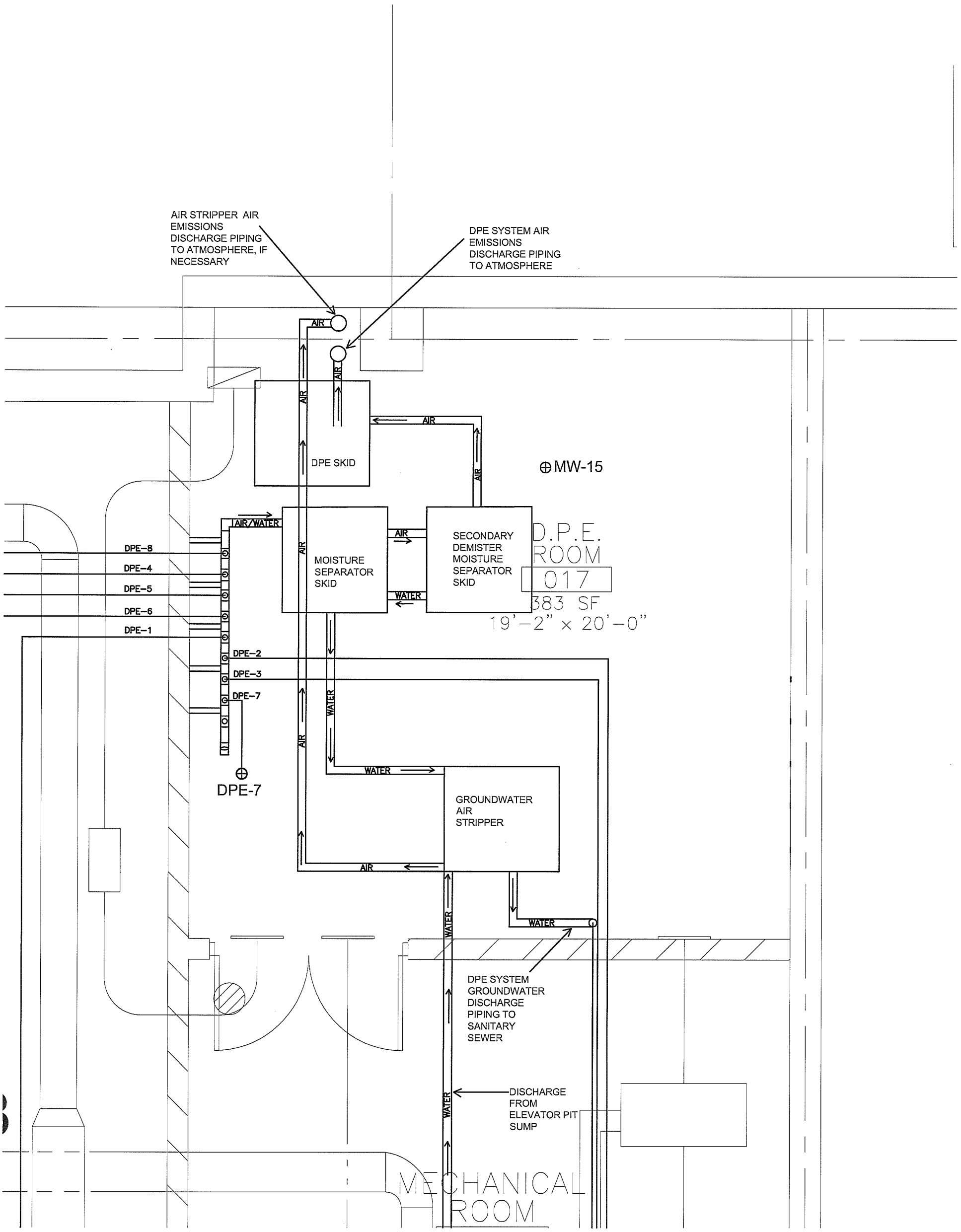
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 2

DPE SYSTEM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

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



LEGEND

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

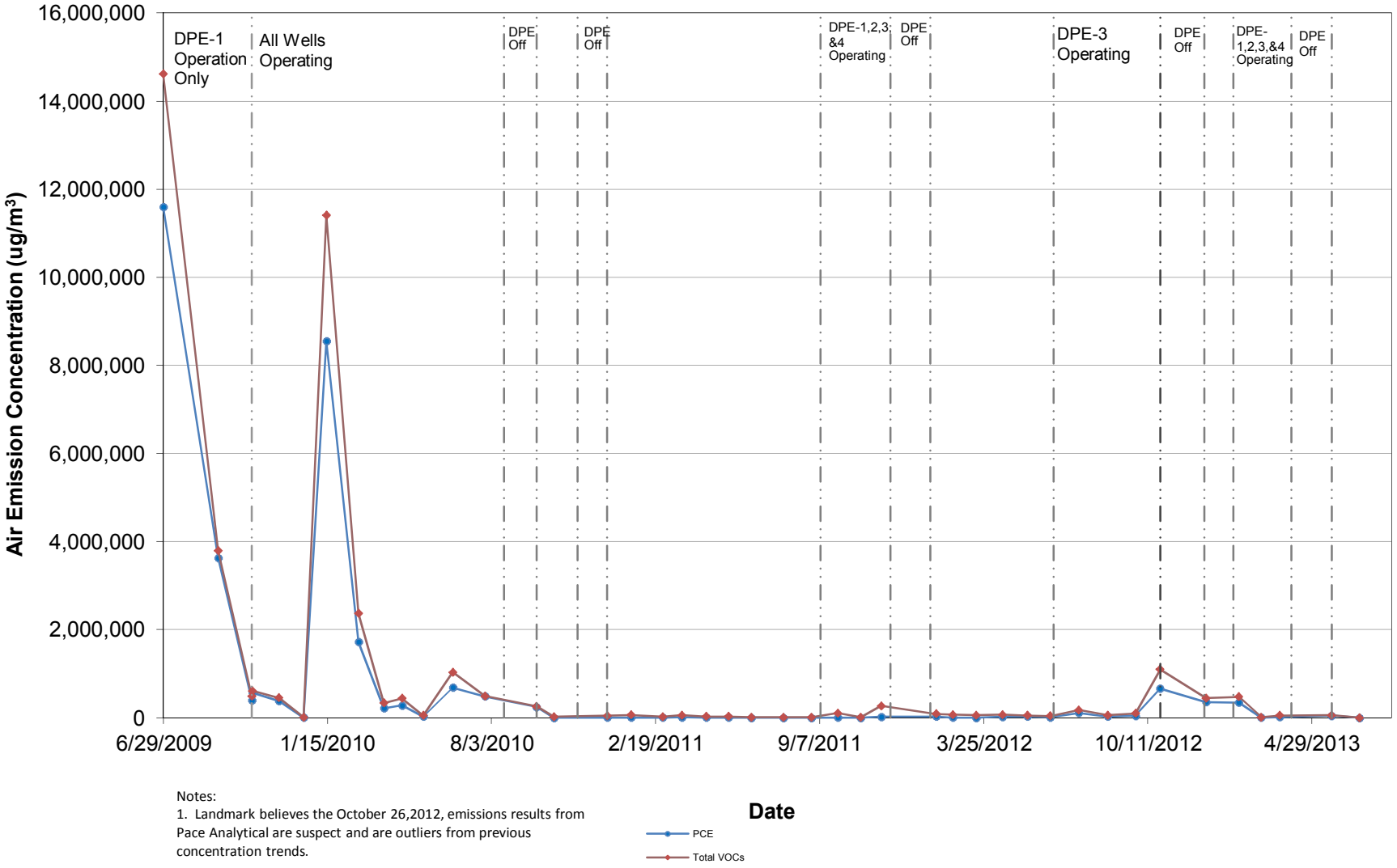
DPE ROOM LAYOUT

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

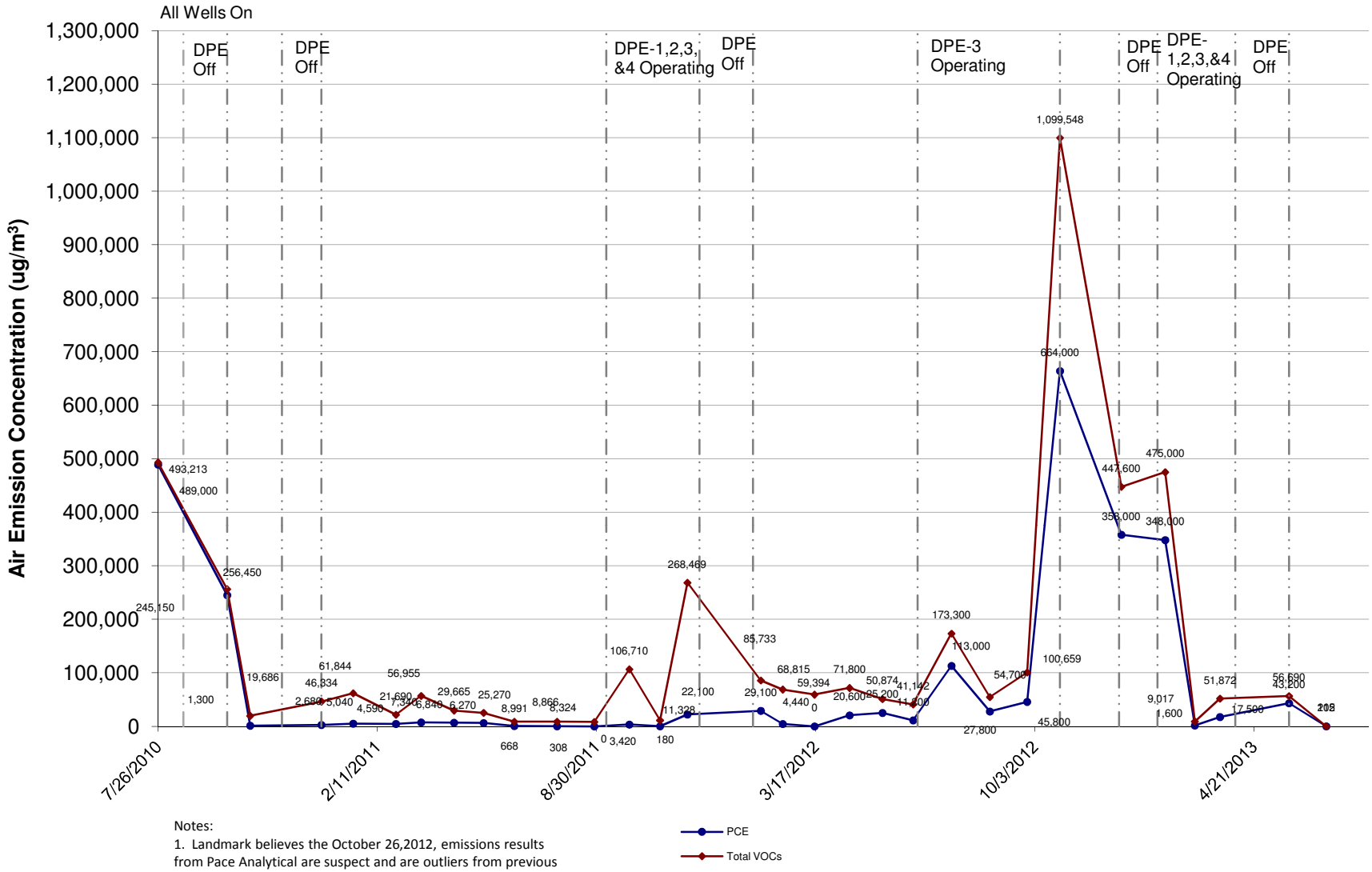
DPE EMISSIONS CONCENTRATIONS-JUNE 2009 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota



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

FIGURE 4B

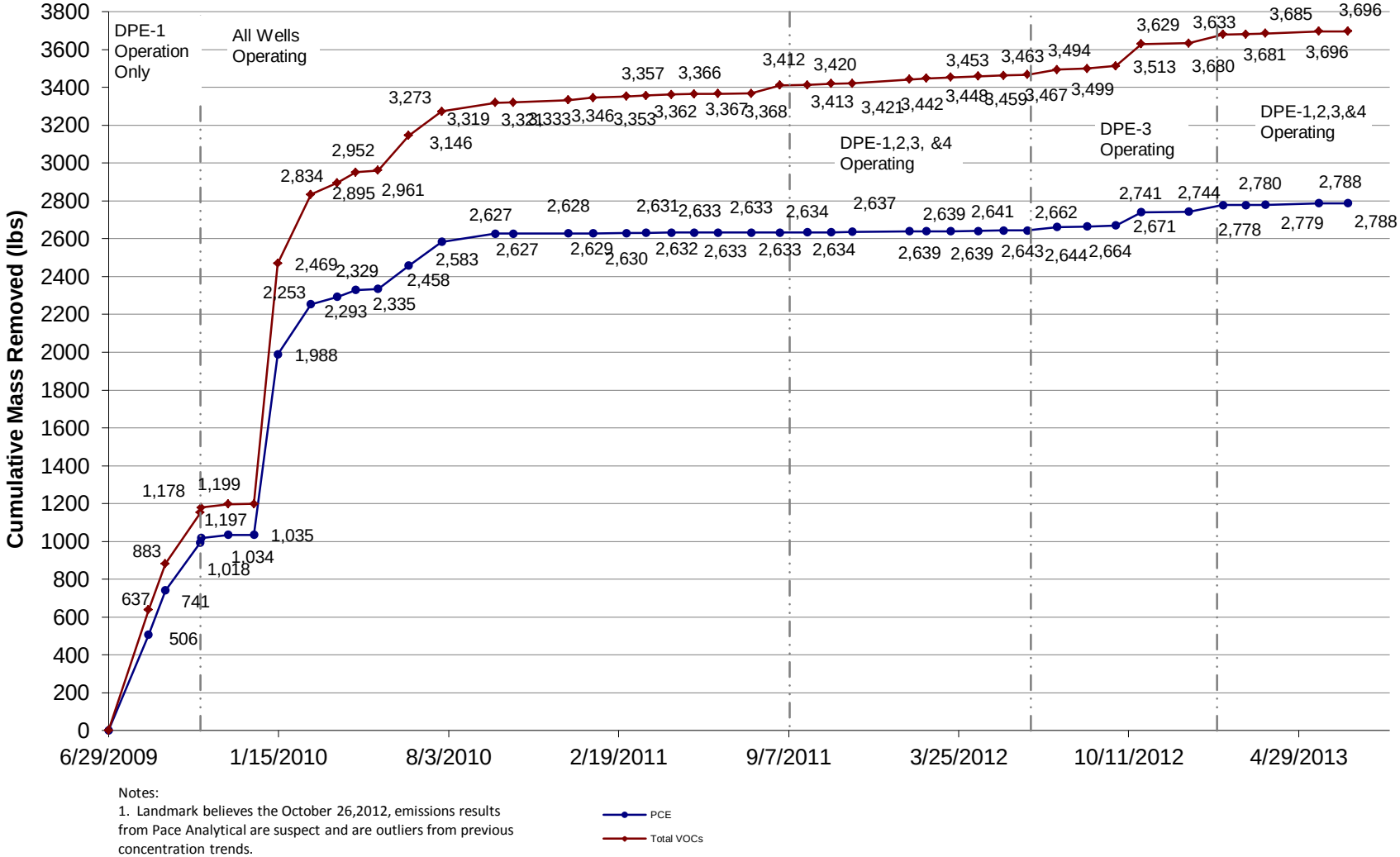
DPE EMISSIONS CONCENTRATIONS - JULY 2010 TO PRESENT
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota



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

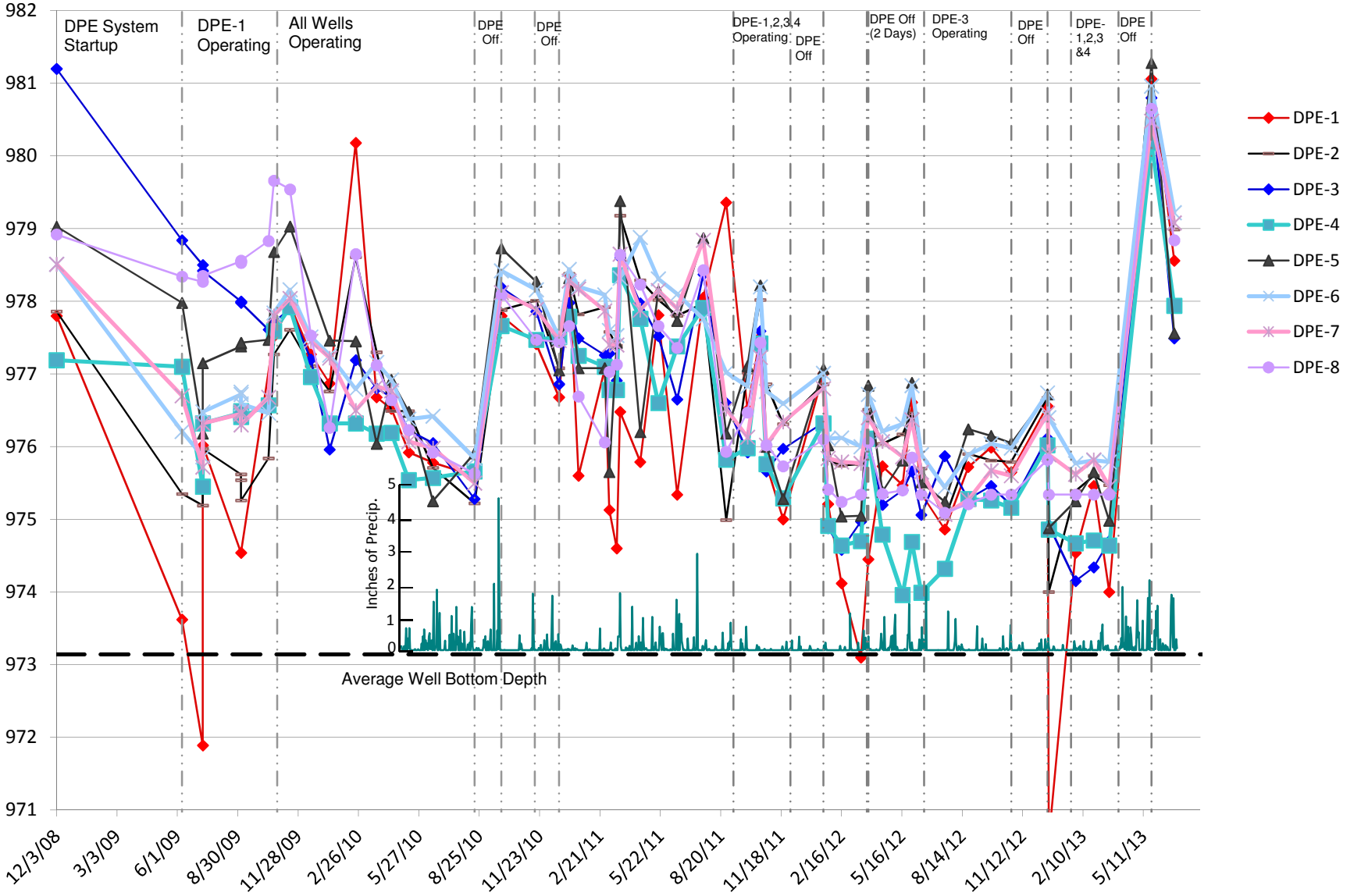
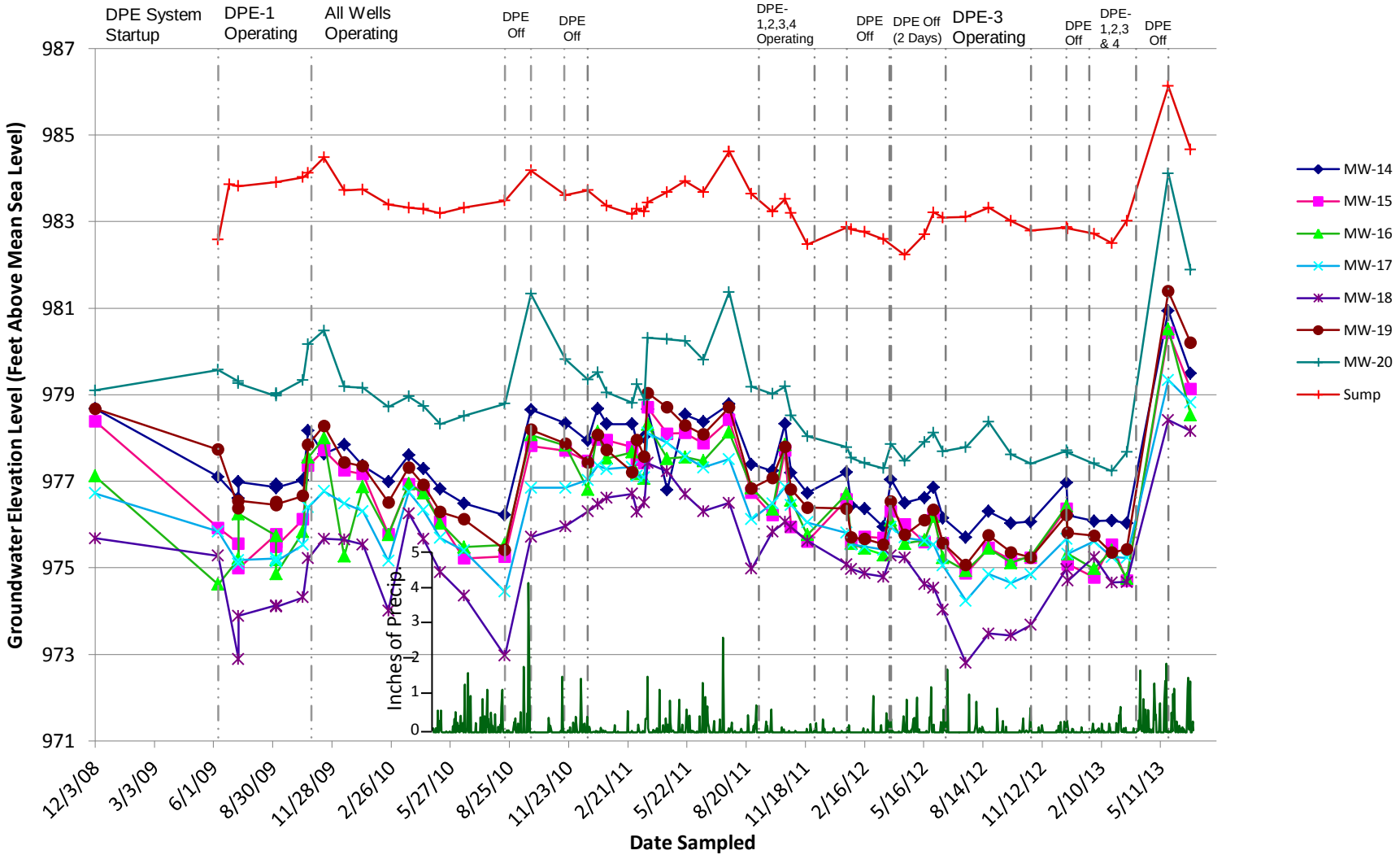
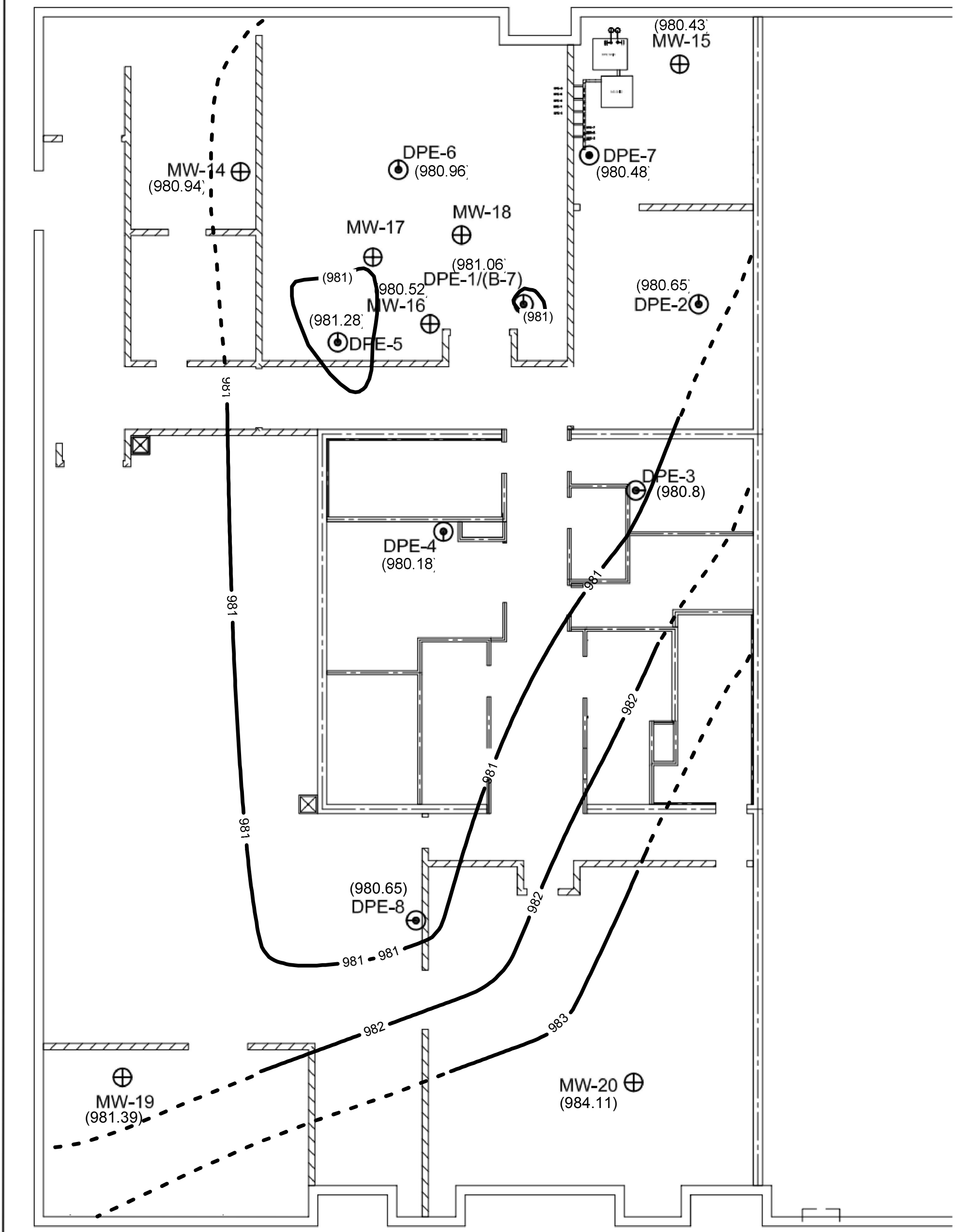


FIGURE 7

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





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-
May 23, 2013
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAE	Checked: JDS	Designed: JDS	
Scale: .	Date: .7/10/2013	Revision:	
Drawing Number: .	Sheet Of .	Sheets .	

(979.13)
MW-15

MW-14
(979.49)

DPE-6
(979.22)

DPE-7
(979.08)

979

MW-18

MW-17

979

(978.56)
DPE-1/(B-7)

(978.53)
MW-16

(978.99)
DPE-2

(977.56)
DPE-5

978

978

DPE-3
(977.49)

DPE-4
(977.94)

978

979

979

980

(978.84)
DPE-8

979

980

980

981

MW-19
(980.20)

MW-20
(981.88)

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 8E
GROUNDWATER FLOW INTERPRETATION-
June 26, 2013
221 FIRST AVENUE S.W
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAE	Checked: JDS	Designed: JDS	
Scale: .	Date: 7/10/2013	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

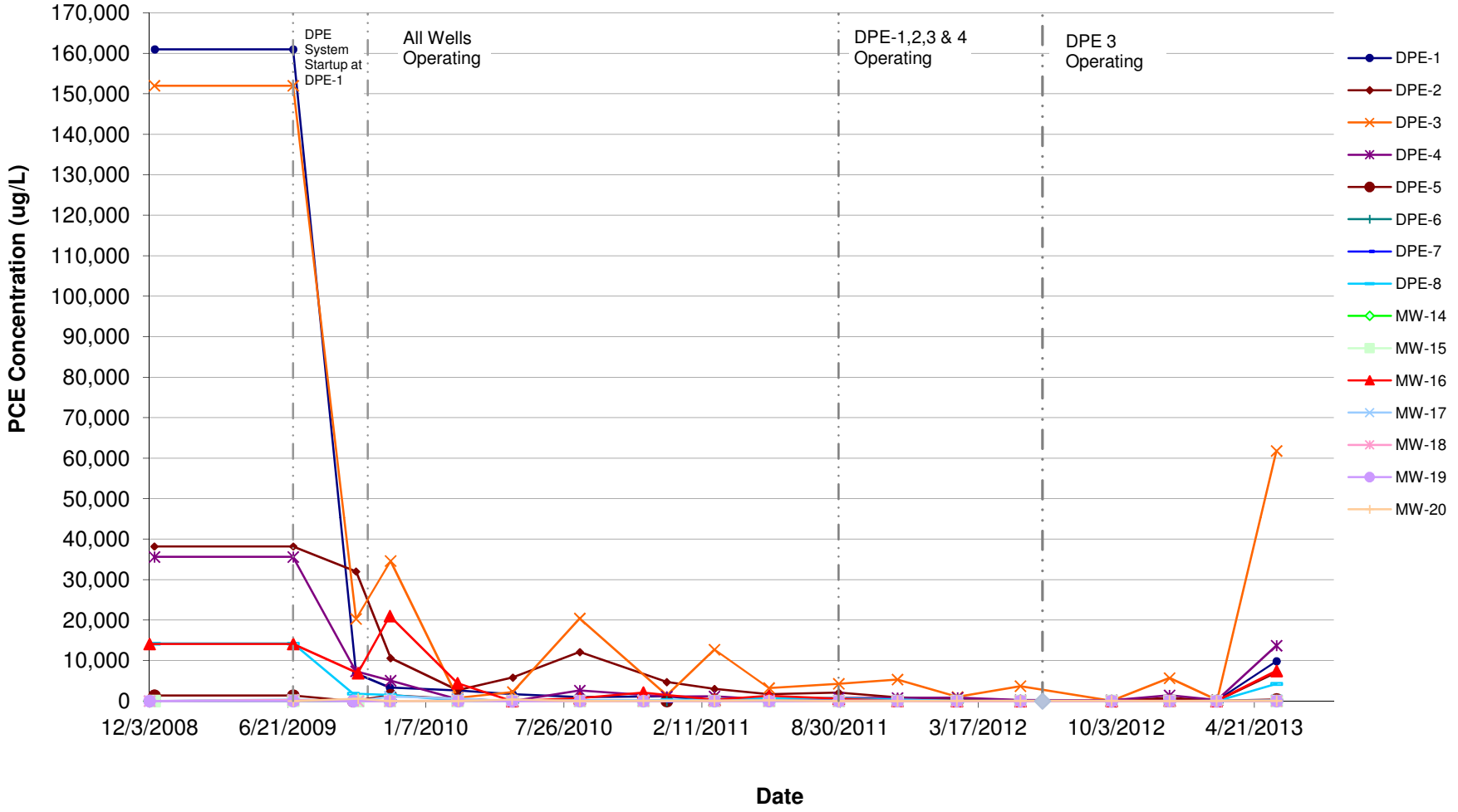
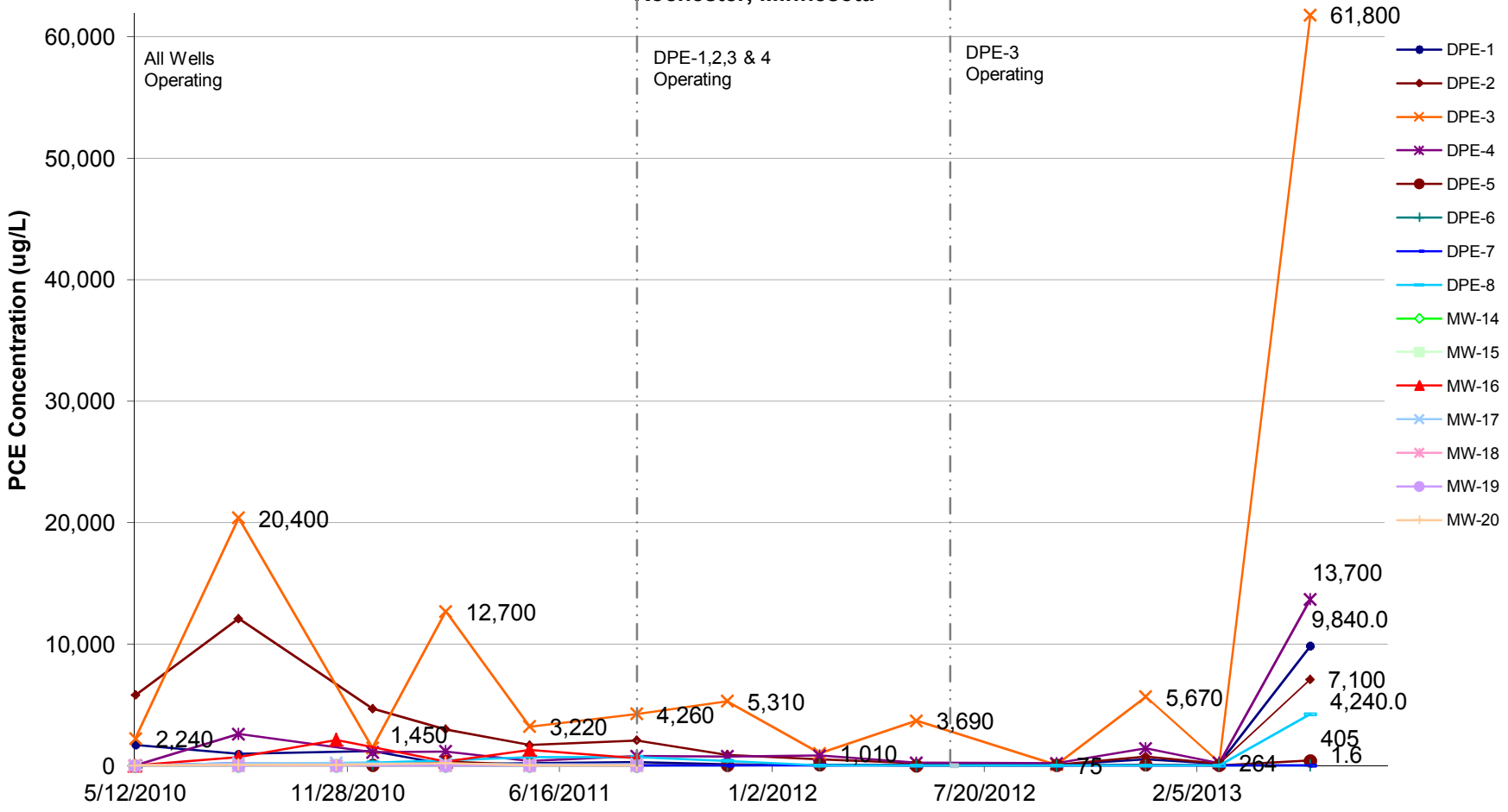
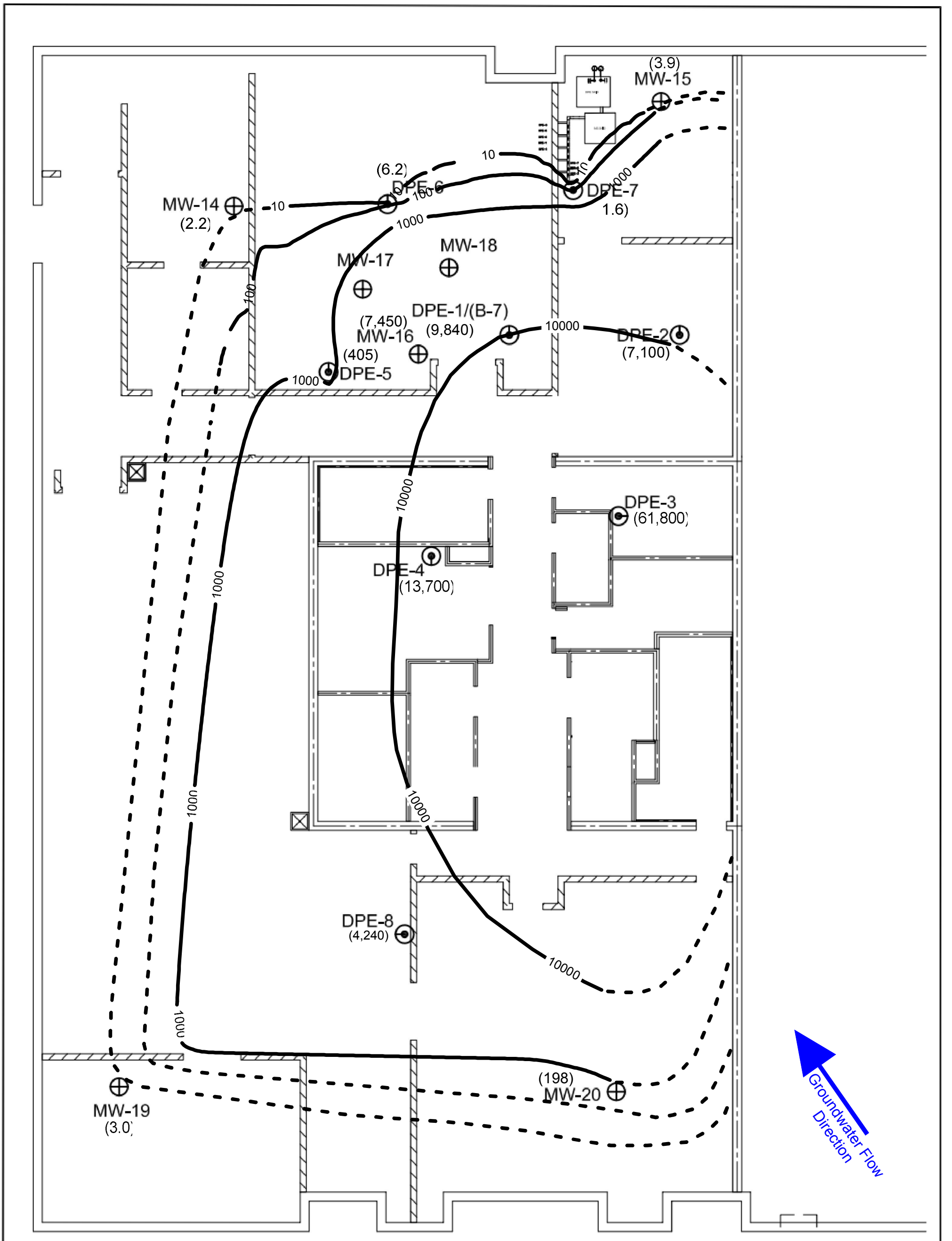


FIGURE 9B

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
May 23, 1013
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC			
Drawn: KAE	Checked: JDS	Designed: JDS	
Scale: .	Date: 7/11/2013	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.

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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.

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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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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.

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
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.**

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

TABLE 2

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

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

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

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 1068	DPE-EXHAUST 0961	DPE-EXHAUST 0836	DPE-EXHAUST 1051	DPE-EXHAUST 0531	DPE-EXHAUST 0757
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	DPE3
Sample Collection Method	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite	6-hr Composite
Collected Date	6/26/2013	5/23/2013	3/21/2013	2/25/2013	1/30/2013	12/21/2012
1,1,1-Trichloroethane	<3.0	<47.1	<107	<52.1	<6400	<1380
1,1,2,2-Tetrachloroethane	<1.9	<29.6	<67.0	<32.7	<4020	<867
1,1,2-Trichloroethane	<1.5	<23.3	<52.8	<25.8	<3170	<683
1,1,2-Trichlorotrifluoroethane	**98.2**	**13100**	**33300**	**7040**	**127000**	**89600**
1,1-Dichloroethane	<2.2	<34.8	<78.8	<38.5	<4730	<1020
1,1-Dichloroethene	<2.2	<34.3	<77.8	<38.0	<4670	<1010
1,2,4-Trichlorobenzene	<4.1	<64.0	<145	<70.8	<8700	<1870
1,2,4-Trimethylbenzene	<2.7	<42.4	<96.0	<46.9	<5760	<1240
1,2-Dibromoethane (EDB)	<4.2	<66.1	<150	<73.2	<8990	<1940
1,2-Dichlorobenzene	<3.3	<51.7	<117	<57.2	<7030	<1510
1,2-Dichloroethane	<1.1	<17.4	<39.4	<19.2	<2360	<509
1,2-Dichloropropane	<2.5	<39.9	<90.3	<44.1	<5420	<1170
1,3,5-Trimethylbenzene	<2.7	<42.4	<96.0	<46.9	<5760	<1240
1,3-Butadiene	<1.2	<19.1	<43.2	<21.1	<2590	<559
1,3-Dichlorobenzene	<3.3	<51.7	<117	<57.2	<7030	<1510
1,4-Dichlorobenzene	<3.3	<51.7	<117	<57.2	<7030	<1510
2-Butanone (MEK)	<1.6	<25.4	<57.6	<28.1	<3460	<745
2-Hexanone	<2.2	<35.2	<79.7	<38.9	<4780	<1030
2-Propanol	**1.6**	**38.6**	**126**	<23.4	<2880	<621
4-Ethyltoluene	<2.7	<42.4	<96.0	<46.9	<5760	<1240
4-Methyl-2-pentanone (MIBK)	<2.2	<35.2	<79.7	<38.9	<4780	<1030
Acetone	**2.2**	**53.1**	**71.2**	**48.0**	<2770	<596
Benzene	<0.87	<13.8	<31.2	**18.0**	<1870	<404
Benzyl chloride	<2.8	<44.5	<101	<49.2	<6050	<1300
Bromodichloromethane	<3.7	<57.7	<131	<63.8	<7840	<1690
Bromoform	<5.6	<89.0	<202	<98.5	<12100	<2610
Bromomethane	<2.1	<33.5	<75.9	<37.1	<4550	<981
Carbon disulfide	<1.7	<26.7	<60.5	<29.5	<3630	<782
Carbon tetrachloride	<1.7	<27.1	<61.5	<30.0	<3690	<795
Chlorobenzene	<2.5	<39.9	<90.3	<44.1	<5420	<1170
Chloroethane	<1.5	<22.9	<51.9	<25.3	<3110	<670
Chloroform	<2.7	<42.0	<95.1	<46.4	<5710	<1230
Chloromethane	<1.1	<17.8	<40.3	<19.7	<2420	<521
cis-1,2-Dichloroethene	<2.2	**93.9**	**84.4**	<38.0	<4670	<1010
cis-1,3-Dichloropropene	<2.5	<39.0	<88.4	<43.1	<5300	<1140
Cyclohexane	<1.9	<29.7	<67.2	**104**	<4030	<869
Dibromochloromethane	<4.7	<73.4	<166	<81.1	<9970	<2150
Dichlorodifluoromethane	<2.7	<42.8	<97.0	<47.4	<5820	<1250
Dichlorotetrafluoroethane	<3.8	<60.2	<136	<66.6	<8180	<1760
Ethanol	**11.1**	**123**	**507**	**105**	<2190	<472
Ethyl acetate	<2.0	<31.0	<70.1	<34.2	<4210	<906
Ethylbenzene	<2.4	<37.3	<84.5	<41.3	<5070	<1090
Hexachloro-1,3-butadiene	<5.9	<93.3	<211	<103	<12700	<2730
m&p-Xylene	<4.7	<74.6	<169	<82.5	<10100	<2190
Methylene Chloride	<1.9	<30.1	**80**	**45.6**	<4090	<882
Methyl-tert-butyl ether	<2.0	<31.0	<70.1	<34.2	<4210	<906
Naphthalene	<2.9	<45.4	<103	<50.2	<6170	<1330
n-Heptane	<2.2	<35.2	<79.7	<38.9	<4780	<1030
n-Hexane	<1.9	<30.5	**89.2**	**56.2**	<4150	<894
o-Xylene	<2.4	<37.3	<84.5	<41.3	<5070	<1090
Propylene	<0.94	<14.8	<33.6	<16.4	<2020	<435
Styrene	<2.3	<36.9	<83.6	<40.8	<5010	<1080
Tetrachloroethene	**102**	**43200**	**17500**	**1600**	**348000**	**358000**
Tetrahydrofuran	<1.6	<25.4	<57.6	<28.1	<3460	<745
Toluene	<2.1	**37.4**	**114**	**54.7**	<4440	<956
trans-1,2-Dichloroethene	<2.2	<34.3	<77.8	<38.0	<4670	<1010
trans-1,3-Dichloropropene	<2.5	<39.0	<88.4	<43.1	<5300	<1140
Trichloroethene	<1.5	**43.7**	<52.8	<25.8	<3170	<683
Trichlorofluoromethane	<3.1	<48.3	<109	<53.5	<6570	<1420
Vinyl acetate	<1.9	<30.4	<68.8	<33.6	<4130	<889
Vinyl chloride	<0.70	<11.0	<25.0	<12.2	<1500	<323
TOTAL VOCs	**215**	**56,690**	**51,872**	**9,017**	**475,000**	**447,600**

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 1264	DPE-EXHAUST 0795	DPE-EXHAUST 2048	DPE-EXHAUST 1660	DPE-EXHAUST 0558	DPE-EXHAUST 0361
Wells Operating	DPE3	DPE3	DPE-3	DPE-3	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	10/26/2012	9/26/2012	8/23/2012	7/19/2012	6/14/2012	5/17/2012
1,1,1-Trichloroethane	<383	<298	<478	<1100	<341	**13.1**
1,1,2,2-Tetrachloroethane	<241	<188	<300	<692	<214	<1.2
1,1,2-Trichloroethane	<190	<148	<237	<546	<169	<0.92
1,1,2-Trichlorotrifluoroethane	**433000**	**34800**	**26900**	**60300**	**29200**	**25500**
1,1-Dichloroethane	<283	<220	<353	<813	<252	<1.4
1,1-Dichloroethene	<280	<218	<349	<804	<249	<1.4
1,2,4-Trichlorobenzene	<521	<406	<650	<1500	<304	<1.7
1,2,4-Trimethylbenzene	<345	<269	<430	<991	<307	**2.2**
1,2-Dibromoethane (EDB)	<538	<419	<671	<1550	<479	<2.6
1,2-Dichlorobenzene	<421	<328	<525	<1210	<375	<2.0
1,2-Dichloroethane	<142	<110	<176	<407	<126	<0.69
1,2-Dichloropropane	<324	<253	<405	<932	<289	<1.6
1,3,5-Trimethylbenzene	<345	<269	<430	<991	<307	<1.7
1,3-Butadiene	<155	<121	<194	<446	<138	<0.76
1,3-Dichlorobenzene	<421	<328	<525	<1210	<375	<2.0
1,4-Dichlorobenzene	<421	<328	<525	<1210	<375	<2.0
2-Butanone (MEK)	<207	<161	<258	<595	<184	<1.0
2-Hexanone	<286	<223	<357	<823	<255	<1.4
2-Propanol	**218**	<134	<215	<496	<768	<4.2
4-Ethyltoluene	<345	<269	<430	<992	<307	<1.7
4-Methyl-2-pentanone (MIBK)	<286	<223	<357	<823	<255	<1.4
Acetone	<166	**169**	<207	<476	<147	**16.6**
Benzene	<112	<87.4	<140	<322	<99.8	<0.55
Benzyl chloride	<362	<282	<452	<1040	<323	<1.8
Bromodichloromethane	<469	<366	<585	<1350	<418	<2.3
Bromoform	<725	<564	<904	<2080	<645	<3.5
Bromomethane	<273	<212	<340	<784	<243	<1.3
Carbon disulfide	<217	<169	<271	<625	<194	<1.1
Carbon tetrachloride	<221	<172	<275	<635	<197	<1.1
Chlorobenzene	<324	<253	<405	<932	<289	<1.6
Chloroethane	<186	<145	<232	<536	<166	<0.91
Chloroform	<342	<266	<426	<982	<304	<1.7
Chloromethane	<145	<113	<181	<417	<129	<0.71
cis-1,2-Dichloroethene	**370**	<218	<349	<804	<249	**34.8**
cis-1,3-Dichloropropene	<318	<247	<396	<913	<283	<1.5
Cyclohexane	<242	<188	<301	<694	<209	<1.1
Dibromochloromethane	<597	<465	<745	<1720	<531	<2.9
Dichlorodifluoromethane	<349	<271	<435	<1000	<310	**1.8**
Dichlorotetrafluoroethane	<490	<382	<611	<1410	<436	<2.4
Ethanol	**1960**	**18700**	<164	<377	**742**	**51.8**
Ethyl acetate	<252	**1190**	<314	<724	<224	**37.6**
Ethylbenzene	<304	<237	<379	<873	<270	<1.5
Hexachloro-1,3-butadiene	<759	<591	<947	<2180	<676	<3.7
m&p-Xylene	<608	<473	<758	<1750	<541	<3.0
Methylene Chloride	<245	<191	<306	<704	<218	<1.2
Methyl-tert-butyl ether	<252	<196	<314	<724	<224	<1.2
Naphthalene	<369	<288	<461	<1060	<329	**1.8**
n-Heptane	<286	<223	<357	<823	<255	<1.4
n-Hexane	<249	<194	<310	<714	<221	**1.6**
o-Xylene	<304	<237	<379	<873	<270	<1.5
Propylene	<121	<94.1	<151	<347	<108	<0.59
Styrene	<300	<234	<374	<863	<267	<1.5
Tetrachloroethene	**664000**	**45800**	**27800**	**113000**	**11200**	**25200**
Tetrahydrofuran	<207	<161	<258	<595	<184	<1.0
Toluene	<266	<207	<331	<764	<237	**3.1**
trans-1,2-Dichloroethene	<280	<218	<349	<804	<249	<1.4
trans-1,3-Dichloropropene	<318	<247	<396	<913	<283	<1.5
Trichloroethene	<190	<148	<237	<546	<169	**9.6**
Trichlorofluoromethane	<394	<306	<491	<1130	<350	<1.9
Vinyl acetate	<247	<192	<308	<710	<218	<1.2
Vinyl chloride	<89.7	<69.9	<112	<258	<79.9	<0.44
TOTAL VOCs	**1,099,548**	**100,659**	**54,700**	**173,300**	**41,142**	**50,874**

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 1071	DPE-EXHAUST 1637	DPE-EXHAUST 1289	DPE-EXHAUST 1250	DPE-EXHAUST 1627
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	4/17/2012	3/16/2012	2/16/2012	1/27/2012	11/21/2011
1,1,1-Trichloroethane	<357	<682	<567	**51**	<260
1,1,2,2-Tetrachloroethane	<224	<429	<360	<1.3	<165
1,1,2-Trichloroethane	<177	<338	<283	<1.1	<130
1,1,2-Trichlorotrifluoroethane	**51200**	**58500**	**60400**	**56,100**	**244,000**
1,1-Dichloroethane	<264	<504	<422	<1.6	<194
1,1-Dichloroethene	<260	<498	<417	<1.6	<192
1,2,4-Trichlorobenzene	<318	<608	<510	<1.9	<234
1,2,4-Trimethylbenzene	<321	<614	<515	**5.6**	<237
1,2-Dibromoethane (EDB)	<502	<958	<824	<3.1	<379
1,2-Dichlorobenzene	<392	<750	<618	<2.3	<284
1,2-Dichloroethane	<132	<252	<211	<0.79	<97.1
1,2-Dichloropropane	<302	<578	<484	<1.8	<223
1,3,5-Trimethylbenzene	<321	<614	<515	<1.9	<237
1,3-Butadiene	<145	<276	<232	<0.86	<107
1,3-Dichlorobenzene	<392	<750	<618	<2.3	<284
1,4-Dichlorobenzene	<392	<750	<618	**5.4**	<284
2-Butanone (MEK)	<193	<369	<309	**5.2**	**343**
2-Hexanone	<267	<510	<428	<1.6	<197
2-Propanol	<804	<1540	<1290	**17.5**	<592
4-Ethyltoluene	<322	<614	<1290	<4.8	<592
4-Methyl-2-pentanone (MIBK)	<267	<510	<428	<1.6	<197
Acetone	<154	<295	<247	**43.6**	**693**
Benzene	<105	<200	<167	**1.4**	<77.0
Benzyl chloride	<338	<645	<541	<2.0	<249
Bromodichloromethane	<437	<836	<721	<2.7	<332
Bromoform	<675	<1290	<1080	<4.0	<497
Bromomethane	<254	<485	<407	<1.5	<187
Carbon disulfide	<203	<387	<325	<1.2	<149
Carbon tetrachloride	<206	<393	<330	<1.2	<152
Chlorobenzene	<302	<578	<484	<1.8	<223
Chloroethane	<174	<332	<278	<1.0	<128
Chloroform	<318	<608	<510	**10.3**	<234
Chloromethane	<135	<258	<216	<0.81	<99.5
cis-1,2-Dichloroethene	<260	<498	<417	**80**	**262**
cis-1,3-Dichloropropene	<296	<565	<474	<1.8	<218
Cyclohexane	<219	<418	<350	<1.3	<161
Dibromochloromethane	<556	<1060	<876	<3.3	<403
Dichlorodifluoromethane	<325	<621	<515	<1.9	<237
Dichlorotetrafluoroethane	<457	<872	<721	<2.7	<332
Ethanol	<122	**894**	<979	**249**	**777**
Ethyl acetate	<235	<449	<376	<1.4	<173
Ethylbenzene	<283	<541	<453	**3.1**	<208
Hexachloro-1,3-butadiene	<708	<1350	<1130	<4.2	<521
m&p-Xylene	<566	<1080	<907	**3.9**	<417
Methylene Chloride	<228	<436	**1390**	<1.4	<168
Methyl-tert-butyl ether	<235	<449	<376	<1.4	<173
Naphthalene	<344	<657	<1390	<5.2	<639
n-Heptane	<267	<510	<428	**2.9**	<197
n-Hexane	<232	<442	**585**	**6.9**	<170
o-Xylene	<283	<541	<453	**2.3**	<208
Propylene	<113	<215	<180	<0.67	<82.9
Styrene	<280	<535	<448	<1.7	<206
Tetrachloroethene	**20600**	<423	**4440**	**29100**	**22100**
Tetrahydrofuran	<193	<369	<309	<1.2	<142
Toluene	<248	<473	<397	**7.5**	<182
trans-1,2-Dichloroethene	<260	<498	<417	<1.6	<192
trans-1,3-Dichloropropene	<296	<565	<474	<1.8	<218
Trichloroethene	<177	<338	<283	**36.9**	**294**
Trichlorofluoromethane	<367	<700	<567	<2.1	<260
Vinyl acetate	<228	<436	<366	<1.4	<168
Vinyl chloride	<83.6	<160	<134	<0.50	<61.6
TOTAL VOCs	**71,800**	**59,394**	**85,733**	**268,469**	**11,328**

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1. Flow Controller failed on 9/27/10; however, a 1/2 hour composite sample was still collected.
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TABLE 3

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

Sample ID	DPE-EXHAUST 1105251-01	DPE-EXHAUST 1214	DPE-EXHAUST 0260	DPE-EXHAUST 1571	DPE EXHAUST 0727
Wells Operating	DPE-1,2,3 & 4	DPE-1,2,3 & 4	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	10/27/2011	9/29/2011	8/28/2011	7/25/2011	6/16/2011
1,1,1-Trichloroethane	<14	<33.9	<41.4	<39.6	<33.9
1,1,2,2-Tetrachloroethane	<17	<21.5	<26.2	<25.1	<21.5
1,1,2-Trichloroethane	<14	<16.9	<20.7	<19.8	<16.9
1,1,2-Trichlorotrifluoroethane	**11,000**	**103,000**	**8,150**	**8,250**	**8,050**
1,1-Dichloroethane	<10	<25.3	<30.8	<29.5	<25.3
1,1-Dichloroethene	<10	<24.9	<30.5	<29.2	<24.9
1,2,4-Trichlorobenzene	<18	<30.5	<37.2	<35.6	<30.5
1,2,4-Trimethylbenzene	<4.9	**50.5**	<37.6	<36.0	<30.8
1,2-Dibromoethane (EDB)	<19	<49.3	<60.2	<57.6	<49.3
1,2-Dichlorobenzene	<15	<37.0	<45.1	<43.2	<37.0
1,2-Dichloroethane	<10	<12.6	<15.4	<14.8	<12.6
1,2-Dichloropropane	<12	<29.0	<35.3	<33.8	<29.0
1,3,5-Trimethylbenzene	<4.9	<30.8	<37.6	<36.0	<30.8
1,3-Butadiene	<5.5	<13.9	<16.9	<16.2	<13.9
1,3-Dichlorobenzene	<15	<37.0	<45.1	<43.2	<37.0
1,4-Dichlorobenzene	<15	<37.0	<45.1	<43.2	<37.0
2-Butanone (MEK)	**11**	**80.1**	<22.6	**27.1**	<18.5
2-Hexanone	<10	<25.6	<31.2	<29.9	<25.6
2-Propanol	**16**	<77.0	<94.0	<90.0	<77.0
4-Ethyltoluene	<12	<77.0	<94.0	<90.0	<77.0
4-Methyl-2-pentanone (MIBK)	<10	<25.6	<31.2	<29.9	<25.6
Acetone	**25**	**58.3**	**53.1**	**83.1**	**72.5**
Benzene	<3.2	<10.0	<12.2	<11.7	<10.0
Benzyl chloride	<13	<32.3	<39.5	<37.8	<32.3
Bromodichloromethane	<17	<43.1	<52.6	<50.4	<43.1
Bromoform	<26	<64.7	<79.0	<75.6	<64.7
Bromomethane	<9.5	<24.3	<29.7	<28.4	<24.3
Carbon disulfide	<8.0	<19.4	<23.7	<22.7	<19.4
Carbon tetrachloride	<16	<19.7	<24.1	<23.0	<19.7
Chlorobenzene	<12	<29.0	<35.3	<33.8	<29.0
Chloroethane	<6.5	<16.6	<20.3	<19.4	<16.6
Chloroform	<12	<30.5	<37.2	<35.6	<30.5
Chloromethane	<5.0	<12.9	<15.8	<15.1	<12.9
cis-1,2-Dichloroethene	<10	**49.1**	<30.5	<29.2	<24.9
cis-1,3-Dichloropropene	<12	<28.3	<34.6	<33.1	<28.3
Cyclohexane	<8.5	<20.9	<25.6	<24.5	<20.9
Dibromochloromethane	<22	<52.4	<63.9	<61.2	<52.4
Dichlorodifluoromethane	<12	<30.8	<37.6	<36.0	<30.8
Dichlorotetrafluoroethane	<18	<43.1	<52.6	<50.4	<43.1
Ethanol	**81**	<58.5	**121**	**198**	**201**
Ethyl acetate	<9.0	<22.5	<27.4	<26.3	<22.5
Ethylbenzene	<4.4	<27.1	<33.1	<31.7	<27.1
Hexachloro-1,3-butadiene	<26	<67.8	<82.7	<79.2	<67.8
m&p-Xylene	<8.5	<54.2	<66.2	<63.4	<54.2
Methylene Chloride	**15**	<21.9	<26.7	<25.6	<21.9
Methyl-tert-butyl ether	<9.0	<22.5	<27.4	<26.3	<22.5
Naphthalene	<13	<83.2	<102	<97.2	<83.2
n-Heptane	<10	<25.6	<31.2	<29.9	<25.6
n-Hexane	<9.0	<22.2	<27.1	<25.9	<22.2
o-Xylene	<4.4	<27.1	<33.1	<31.7	<27.1
Propylene	<4.3	<10.8	<13.2	<12.6	<10.8
Styrene	<10	<26.8	<32.7	<31.3	<26.8
Tetrachloroethene	**180**	**3420**	<25.9	**308**	**668**
Tetrahydrofuran	<7.5	<18.5	<22.6	<21.6	<18.5
Toluene	<3.8	**29.6**	<29.0	<27.7	<23.7
trans-1,2-Dichloroethene	<10	<24.9	<30.5	<29.2	<24.9
trans-1,3-Dichloropropene	<12	<28.3	<34.6	<33.1	<28.3
Trichloroethene	<14	**22.2**	<20.7	<19.8	<16.9
Trichlorofluoromethane	<14	<33.9	<41.4	<39.6	<33.9
Vinyl acetate	<9.0	<21.9	<26.7	<25.6	<21.9
Vinyl chloride	<6.5	<8.0	<9.8	<9.4	<8.0
TOTAL VOCs	**106,710**	**8,324**	**8,866**	**8,991**	**25,270**

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 0416	DPE EXHAUST 0514	DPE EXHAUST 1186	DPE EXHAUST 0798	DPE EXHAUST 1513
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	5/19/2011	4/22/2011	3/23/2011	2/28/2011	1/20/2011
1,1,1-Trichloroethane	<280	<36.5	<39.6	<140	**20.8**
1,1,2,2-Tetrachloroethane	<178	<46.5	<50.4	<88.8	<2.2
1,1,2-Trichloroethane	<140	<36.5	<39.6	<70.0	<1.7
1,1,2-Trichlorotrifluoroethane	**19,000**	**22,600**	**49,100**	**17,100**	**56,200**
1,1-Dichloroethane	<209	<27.2	<29.5	<104	<1.3
1,1-Dichloroethene	<206	<26.9	<29.2	<103	<1.3
1,2,4-Trichlorobenzene	<252	<32.9	<35.6	<126	<1.6
1,2,4-Trimethylbenzene	<254	<33.2	<36.0	<127	**3.3**
1,2-Dibromoethane (EDB)	<407	<53.1	<57.6	<204	<2.5
1,2-Dichlorobenzene	<305	<39.8	<43.2	<153	<1.9
1,2-Dichloroethane	<104	<27.2	<29.5	<52.2	<1.3
1,2-Dichloropropane	<239	<31.2	<33.8	<120	<1.5
1,3,5-Trimethylbenzene	<254	<33.2	<36.0	<127	<1.6
1,3-Butadiene	<114	<14.9	<16.2	<57.2	<0.72
1,3-Dichlorobenzene	<305	<39.8	<43.2	<153	<1.9
1,4-Dichlorobenzene	<305	<39.8	<43.2	<153	<1.9
2-Butanone (MEK)	<153	<19.9	<21.6	<76.3	**41.4**
2-Hexanone	<211	<27.6	<29.9	<106	<1.3
2-Propanol	<636	<83.0	<90.0	<318	**21.9**
4-Ethyltoluene	<636	<83.0	<90.0	<318	<4.0
4-Methyl-2-pentanone (MIBK)	<211	<27.6	<29.9	<106	**8.3**
Acetone	<122	**88.4**	**25.4**	<61.1	**29.0**
Benzene	<82.7	<21.6	<23.4	<41.3	<1.0
Benzyl chloride	<267	<34.9	<37.8	<134	<1.7
Bromodichloromethane	<356	<46.5	<50.4	<178	<2.2
Bromoform	<534	<69.7	<75.6	<267	<3.3
Bromomethane	<201	<26.2	<28.4	<100	<1.3
Carbon disulfide	<160	<20.9	<22.7	<80.1	<1.0
Carbon tetrachloride	<163	<43.2	<46.8	<81.4	<2.1
Chlorobenzene	<239	<31.2	<33.8	<120	<1.5
Chloroethane	<137	<17.9	<19.4	<68.7	<0.86
Chloroform	<252	<32.9	<35.6	<126	**4.9**
Chloromethane	<107	<13.9	<15.1	<53.4	<0.67
cis-1,2-Dichloroethene	<206	<26.9	<29.2	<103	**36.3**
cis-1,3-Dichloropropene	<234	<30.5	<33.1	<117	<1.5
Cyclohexane	<173	<22.6	<24.5	<86.5	<1.1
Dibromochloromethane	<432	<56.4	<61.2	<216	<2.7
Dichlorodifluoromethane	<254	<33.2	<36.0	<127	<1.6
Dichlorotetrafluoroethane	<356	<46.5	<50.4	<178	<2.2
Ethanol	<483	**137**	**139**	<242	**286**
Ethyl acetate	<186	<24.2	<26.3	<92.9	**3.4**
Ethylbenzene	<224	<29.2	<31.7	<112	**2.0**
Hexachloro-1,3-butadiene	<560	<73.0	<79.2	<280	<3.5
m&p-Xylene	<448	<58.4	<63.4	<224	**6.9**
Methylene Chloride	<181	<23.6	**310**	<90.3	**101**
Methyl-tert-butyl ether	<186	<24.2	<26.3	<92.9	<1.2
Naphthalene	<687	<89.6	<97.2	<343	<4.3
n-Heptane	<211	<27.6	<29.9	<106	<1.3
n-Hexane	<183	<23.9	**40.9**	<91.6	<1.1
o-Xylene	<224	<29.2	<31.7	<112	**5.8**
Propylene	<89.0	<11.6	<12.6	<44.5	<0.56
Styrene	<221	<28.9	<31.3	<111	<1.4
Tetrachloroethene	**6,270**	**6,840**	**7,340**	**4,590**	**5,040**
Tetrahydrofuran	<153	<19.9	<21.6	<76.3	**6.3**
Toluene	<196	<25.6	<27.7	<97.9	**12.3**
trans-1,2-Dichloroethene	<206	<26.9	<29.2	<103	<1.3
trans-1,3-Dichloropropene	<234	<30.5	<33.1	<117	<1.5
Trichloroethene	<140	<36.5	<39.6	<70.0	**14.8**
Trichlorofluoromethane	<280	<36.5	<39.6	<140	<1.7
Vinyl acetate	<181	<23.6	<25.6	<90.3	<1.1
Vinyl chloride	<66.1	<17.3	<18.7	<33.1	<0.83
TOTAL VOCs	**29,665**	**56,955**	**21,690**	**61,844**	**46,334**

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 0224	DPE EXHAUST 0965	DPE EXHAUST 0096	DPE EXHAUST 764	DPE EXHAUST 1248
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	1/2-hr Composite[1]	6-hr Composite	6-hr Composite
Collected Date	12/23/2010	10/18/2010	9/27/2010	7/26/2010	6/17/2010
1,1,1-Trichloroethane	**45.6**	<146	<2.3	<79.2	<760
1,1,2,2-Tetrachloroethane	<46.5	<186	<3.0	<101	<968
1,1,2-Trichloroethane	<36.5	<146	<2.3	<79.2	<760
1,1,2-Trichlorotrifluoroethane	**42,700**	**16,300**	**9.2**	**3,720**	**342,000**
1,1-Dichloroethane	<27.2	<109	<1.7	<59.0	<567
1,1-Dichloroethene	<26.9	<108	<1.7	<58.3	<560
1,2,4-Trichlorobenzene	<32.9	<131	<2.1	<71.3	<684
1,2,4-Trimethylbenzene	<33.2	**153**	<5.3	<180	<1730
1,2-Dibromoethane (EDB)	<53.1	<212	<3.4	<115	<1110
1,2-Dichlorobenzene	<39.8	<159	<2.6	<86.4	<829
1,2-Dichloroethane	<27.2	<109	<1.7	<59.0	<567
1,2-Dichloropropane	<31.2	<125	<2.0	<67.7	<650
1,3,5-Trimethylbenzene	<33.2	<133	<5.3	<180	<1730
1,3-Butadiene	<14.9	<59.8	<0.96	<32.4	<311
1,3-Dichlorobenzene	<39.8	<159	<2.6	<86.4	<829
1,4-Dichlorobenzene	<39.8	<159	<2.6	<86.4	<829
2-Butanone (MEK)	**26.9**	**1,120**	**12.1**	<43.2	<415
2-Hexanone	<27.6	<110	<1.8	<59.8	<574
2-Propanol	<83.0	**484**	**9.6**	<180	<1730
4-Ethyltoluene	<83.0	<332	<5.3	<180	<1730
4-Methyl-2-pentanone (MIBK)	<27.6	<110	<1.8	<59.8	<574
Acetone	**78.0**	**227**	**53.9**	**74.8**	<332
Benzene	<21.6	<86.3	<1.4	<46.8	<449
Benzyl chloride	<34.9	<139	<2.2	<1210	<726
Bromodichloromethane	<46.5	<186	<3.0	<101	<968
Bromoform	<69.7	<279	<4.5	<151	<1450
Bromomethane	<26.2	<105	<1.7	<56.9	<546
Carbon disulfide	<20.9	<83.7	<1.3	<45.4	<435
Carbon tetrachloride	<43.2	<173	<2.8	<93.6	<899
Chlorobenzene	<31.2	<125	<2.0	<67.7	<650
Chloroethane	<17.9	<71.7	<1.2	<38.9	<373
Chloroform	<32.9	<131	<2.1	<71.3	<684
Chloromethane	<13.9	<55.8	**1.2**	<30.2	<290
cis-1,2-Dichloroethene	**77.3**	<108	<1.7	**272**	**1,070**
cis-1,3-Dichloropropene	<30.5	<122	<2.0	<66.2	<636
Cyclohexane	<22.6	<90.3	<1.4	<49.0	<470
Dibromochloromethane	<56.4	<226	<3.6	<122	<1180
Dichlorodifluoromethane	<33.2	<133	**2.6**	<72.0	<691
Dichlorotetrafluoroethane	<46.5	<186	<3.0	<101	<968
Ethanol	**726**	<252	**48.3**	<2190	<1310
Ethyl acetate	<24.2	<96.9	<1.6	<52.6	<505
Ethylbenzene	<29.2	<117	<1.9	<63.4	<608
Hexachloro-1,3-butadiene	<73.0	<292	<4.7	<158	<1520
m&p-Xylene	<58.4	<234	<3.7	<127	<1220
Methylene Chloride	<23.6	<94.3	**294**	<51.1	<491
Methyl-tert-butyl ether	<24.2	<96.9	<1.6	<52.6	<505
Naphthalene	<89.6	<359	<5.8	<194	<1870
n-Heptane	<27.6	<110	<1.8	<59.8	<574
n-Hexane	<23.9	<95.6	**45.9**	<51.8	<498
o-Xylene	<29.2	<117	<1.9	<63.4	<608
Propylene	<11.6	<46.5	**1.3**	<25.2	<242
Styrene	<28.9	<116	<1.9	<62.6	<601
Tetrachloroethene	**2,680**	**1,300**	**6.5**	**489,000**	**689,000**
Tetrahydrofuran	<19.9	<79.7	<1.3	**45.3**	<415
Toluene	<25.6	**102**	**21.2**	<55.4	<532
trans-1,2-Dichloroethene	<26.9	<108	<1.7	<58.3	<560
trans-1,3-Dichloropropene	<30.5	<122	<2.0	<66.2	<636
Trichloroethene	<36.5	<146	**42.3**	**101**	<760
Trichlorofluoromethane	<36.5	<146	<2.3	<79.2	<760
Vinyl acetate	<23.6	<94.3	<1.5	<51.1	<491
Vinyl chloride	<17.3	<69.1	<1.1	<37.4	<359
TOTAL VOCs	**19,686**	**548**	**493,213**	**1,032,070**	**50,553**

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 764	DPE EXHAUST 726	DPE EXHAUST 1316	DPE EXHAUST 1037	DPE OUTLET 1042
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	5/12/2010	4/16/2010	3/25/2010	2/22/2010	1/14/2010
1,1,1-Trichloroethane	**12.9**	ND	**30.7**	**61**	ND
1,1,2,2-Tetrachloroethane	<2.7	ND	<2.5	ND	ND
1,1,2-Trichloroethane	<2.1	ND	<2.0	ND	ND
1,1,2-Trichlorotrifluoroethane	**21,900**	**153,000**	**115,000**	**644,000**	**2,720,000**
1,1-Dichloroethane	<1.6	ND	<1.5	ND	ND
1,1-Dichloroethene	<1.6	ND	**3.0**	**7.66**	ND
1,2,4-Trichlorobenzene	<1.9	ND	<1.8	ND	ND
1,2,4-Trimethylbenzene	<4.8	ND	**12.8**	ND	ND
1,2-Dibromoethane (EDB)	<3.1	ND	<2.9	ND	ND
1,2-Dichlorobenzene	**5.5**	ND	<2.2	ND	ND
1,2-Dichloroethane	<1.6	ND	<1.5	ND	ND
1,2-Dichloropropane	**2.5**	ND	<1.7	**7.05**	ND
1,3,5-Trimethylbenzene	<4.8	ND	<4.5	ND	ND
1,3-Butadiene	<0.87	ND	<0.81	ND	ND
1,3-Dichlorobenzene	<2.3	ND	<2.2	ND	ND
1,4-Dichlorobenzene	**3.7**	ND	<2.2	ND	ND
2-Butanone (MEK)	**18.0**	ND	**44.2**	**12.9**	ND
2-Hexanone	<1.6	ND	<1.5	ND	ND
2-Propanol	**7.9**	ND	**19.0**	NA	NA
4-Ethyltoluene	<4.8	ND	<4.5	ND	ND
4-Methyl-2-pentanone (MIBK)	<1.6	ND	<1.5	ND	ND
Acetone	**509**	ND	**163**	**84.5**	**76,800**
Benzene	<1.3	ND	<1.2	ND	ND
Benzyl chloride	<2.0	ND	<1.9	NA	NA
Bromodichloromethane	<2.7	ND	<2.5	ND	ND
Bromoform	<4.1	ND	<3.8	ND	ND
Bromomethane	<1.5	ND	<1.4	ND	ND
Carbon disulfide	**7.7**	ND	**1.3**	ND	ND
Carbon tetrachloride	<2.5	ND	<2.3	ND	ND
Chlorobenzene	**3.1**	ND	<1.7	ND	ND
Chloroethane	<1.0	ND	<0.97	ND	ND
Chloroform	**4.9**	ND	**11.3**	**15.4**	ND
Chloromethane	**9.6**	ND	<0.76	ND	ND
cis-1,2-Dichloroethene	**33.6**	ND	**80.2**	**198**	ND
cis-1,3-Dichloropropene	<1.8	ND	<1.7	ND	ND
Cyclohexane	**3.7**	ND	**2.2**	**14.3**	ND
Dibromochloromethane	<3.3	ND	<3.1	ND	ND
Dichlorodifluoromethane	**4.1**	ND	**11.0**	ND	ND
Dichlorotetrafluoroethane	<2.7	ND	<2.5	ND	ND
Ethanol	**67.3**	ND	**26.1**	NA	NA
Ethyl acetate	<1.4	ND	<1.3	ND	ND
Ethylbenzene	<1.7	ND	**118**	ND	ND
Hexachloro-1,3-butadiene	<4.2	ND	<4.0	ND	ND
m&p-Xylene	**5.1**	ND	**456**	ND	ND
Methylene Chloride	<1.4	ND	<1.3	ND	ND
Methyl-tert-butyl ether	<1.4	ND	<1.3	ND	ND
Naphthalene	<5.2	ND	<4.9	NA	NA
n-Heptane	**2.0**	ND	**2.7**	ND	ND
n-Hexane	<1.4	ND	**4.7**	**135**	ND
o-Xylene	**1.8**	ND	**159**	ND	ND
Propylene	<0.68	ND	<0.63	ND	ND
Styrene	<1.7	ND	<1.6	ND	ND
Tetrachloroethene	**27,900**	**282,000**	**215,000**	**1,720,000**	**8,550,000**
Tetrahydrofuran	**15.0**	ND	**58.0**	**45.6**	**56,400**
Toluene	**8.0**	ND	**28.4**	**124**	ND
trans-1,2-Dichloroethene	<1.6	ND	<1.5	ND	ND
trans-1,3-Dichloropropene	<1.8	ND	<1.7	ND	ND
Trichloroethene	**24.5**	**3,730**	**43.7**	**116**	ND
Trichlorofluoromethane	<2.1	ND	<2.0	ND	ND
Vinyl acetate	**3.0**	ND	**8.9**	ND	ND
Vinyl chloride	<1.0	ND	<0.94	ND	ND
TOTAL VOCs	**438,730**	**331,284**	**2,364,821**	**11,403,200**	**12,510**

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 0903	DPE-OUTLET 1254	DPE-EFFLUENT 519	DPE-EFFLUENT 253	DPE - EFFLUENT 0680
Wells Operating	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	Grab	Grab
Collected Date	12/17/2009	11/17/2009	10/16/2009	10/15/2009	9/4/2009
1,1,1-Trichloroethane	**23.9**	ND	**81.7**	**4.2**	**127**
1,1,2,2-Tetrachloroethane	ND	ND	<2.2	<2.1	<2.1
1,1,2-Trichloroethane	ND	ND	<1.7	<1.6	<1.6
1,1,2-Trichlorotrifluoroethane	**4,440**	**72,100**	**172**	**97,900**	**153,000**
1,1-Dichloroethane	ND	ND	<1.3	<1.2	<1.2
1,1-Dichloroethene	ND	ND	**13.9**	<1.2	15.0
1,2,4-Trichlorobenzene	ND	ND	<1.5	<1.5	<1.5
1,2,4-Trimethylbenzene	ND	ND	<3.8	<3.7	**10.2**
1,2-Dibromoethane (EDB)	ND	ND	<2.5	<2.4	<2.4
1,2-Dichlorobenzene	ND	ND	<1.8	<1.8	<1.8
1,2-Dichloroethane	ND	ND	<1.3	<1.2	<1.2
1,2-Dichloropropane	ND	ND	<1.4	<1.4	<1.4
1,3,5-Trimethylbenzene	ND	ND	<3.8	<3.7	**5.0**
1,3-Butadiene	ND	ND	<0.69	<0.67	<0.67
1,3-Dichlorobenzene	ND	ND	<1.8	<1.8	**6.0**
1,4-Dichlorobenzene	ND	ND	<1.8	<1.8	**8.6**
2-Butanone (MEK)	ND	ND	**12.2**	<0.89	**15.8**
2-Hexanone	ND	ND	<1.3	<1.2	<1.2
2-Propanol	NA	NA	**4.9**	<3.7	<3.7
4-Ethyltoluene	ND	ND	<3.8	<3.7	**6.0**
4-Methyl-2-pentanone (MIBK)	ND	ND	<1.3	<1.2	<1.2
Acetone	**126**	**116**	**37,000**	**501**	**7,510**
Benzene	**16.2**	ND	**1.1**	**1.5**	**2.3**
Benzyl chloride	NA	NA	NA	NA	NA
Bromodichloromethane	ND	ND	<2.2	<2.1	<2.1
Bromoform	ND	ND	<3.2	<3.1	<3.1
Bromomethane	ND	ND	<1.2	<1.2	<1.2
Carbon disulfide	ND	ND	<0.97	<0.93	**5.9**
Carbon tetrachloride	ND	ND	<2.0	<1.9	<1.9
Chlorobenzene	ND	ND	<1.4	<1.4	<1.4
Chloroethane	ND	ND	<0.83	<0.80	<0.80
Chloroform	ND	ND	**25.8**	<1.5	**21.5**
Chloromethane	ND	ND	<0.65	<0.62	<0.62
cis-1,2-Dichloroethene	**47.2**	**118**	**257**	**21.5**	**2,620**
cis-1,3-Dichloropropene	ND	ND	<1.4	<1.4	<1.4
Cyclohexane	**766**	ND	<1.0	<1.0	**3.5**
Dibromochloromethane	ND	ND	<2.6	<2.5	<2.5
Dichlorodifluoromethane	ND	ND	<1.5	**2.8**	<1.5
Dichlorotetrafluoroethane	ND	ND	<2.2	<2.1	<2.1
Ethanol	NA	NA	**8.9**	**8.4**	**5.7**
Ethyl acetate	ND	ND	<1.1	<1.1	<1.1
Ethylbenzene	ND	ND	**7.9**	<1.3	<1.3
Hexachloro-1,3-butadiene	ND	ND	<3.4	<3.3	<3.3
m&p-Xylene	ND	ND	**25.0**	**2.6**	**14.2**
Methylene Chloride	**270**	ND	<1.1	**276**	<1.1
Methyl-tert-butyl ether	ND	ND	<1.1	<1.1	<1.1
Naphthalene	NA	NA	**5.6**	<4.0	**4.2**
n-Heptane	ND	ND	<1.3	<1.2	**2.6**
n-Hexane	ND	ND	**2.1**	**35.4**	**3.4**
o-Xylene	ND	ND	**7.5**	<1.3	**4.8**
Propylene	ND	ND	<0.54	<0.52	<0.52
Styrene	ND	ND	<1.3	<1.3	<1.3
Tetrachloroethene	**6,790**	**381,000**	**571,000**	**396,000**	**3,630,000**
Tetrahydrofuran	ND	**145**	**36.2**	<0.89	**31.1**
Toluene	**9.58**	ND	**17.6**	**10.3**	**14.4**
trans-1,2-Dichloroethene	ND	ND	<1.2	<1.2	**4.2**
trans-1,3-Dichloropropene	ND	ND	<1.4	<1.4	<1.4
Trichloroethene	**21.3**	ND	**153**	**13.6**	**1,640**
Trichlorofluoromethane	ND	ND	<1.7	**1.7**	**2.2**
Vinyl acetate	ND	ND	**7.4**	<1.1	**8.7**
Vinyl chloride	ND	ND	<0.80	<0.77	<0.77
TOTAL VOCs	**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 October

TABLE 4

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

				RRASS Emissions Summary						PR Program Emissions Summary					
Date	DPE Wells Operating	Parameter	Conc. (ug/m^3)	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

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

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	6/26/2013	6/26/2013	5/22/2013	5/22/2013	3/21/2012	3/21/2013	2/26/2013	2/26/2013	1/30/2013	1/30/2013
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	**1.1**	<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)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<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	NA	NA	<5.0	<5.0	<5.0	<5.0	NA*	NA*	<4.0	<4.0
2-Methylnaphthalene	NA	NA	<5.0	<5.0	<5.0	<5.0	NA*	NA*	<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)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<4.0	<4.0
Acetone	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	**60.3**	**114**	<25.0	<25.0
Acrolein	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*	<10.0	<10.0
Acrylonitrile	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*	<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	<10.0	<10.0	<4.0	<4.0	<10.0	<10.0	<10.0	<10.0	<4.0	<4.0
Carbon disulfide	NA	NA	<1.0	<1.0	<1.0	<1.0	NA*	NA*	<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	<4.0	<4.0	<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	NA	NA	<1.0	<1.0	<1.0	<1.0	NA*	NA*	<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	<1.0	<1.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Iodomethane	NA	NA	<4.0	<4.0	<4.0	<4.0	NA*	NA*	<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	**56.4**	<1.0	**123**	**15.5**	**31.5**	<1.0	**35.4**	<1.0	**26.3**	<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	<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	<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	NA	NA	<10.0	<10.0	<10.0	<10.0	NA*	NA*	<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	**56.4**	**0**	**123**	**16.6**	**31.5**	**0**	**95.7**	**114**	**26.3**	**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	12/21/2012	12/21/2012	10/26/2012	10/26/2012	9/26/2012	9/26/2012	8/23/2012	8/23/2012	7/19/2012	7/19/2012
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)	**4.5**	**7.4**	<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	NA*	NA*	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	NA*	NA*	<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	NA*	NA*	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	NA*	NA*	<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	<10.0	<10.0	<4.0	<4.0	<4.0	<4.0
Carbon disulfide	NA*	NA*	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	NA*	NA*	<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	NA*	NA*	<4.0	<4.0	<10.0	<10.0	<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	**71.7**	**7.5**	**35.7**	**1.6**	**21.8**	**1.8**	**45.5**	<1.0	**36.1**	**35.2**
Tetrahydrofuran	**15.3**	<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	NA*	NA*	<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	**91.5**	**14.9**	**35.7**	**1.6**	**21.8**	**1.8**	**45.5**	**0**	**36.1**	**35.2**

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	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	6/14/2012	6/14/2012	5/17/2012	5/17/2012	4/17/2012	4/17/2012	3/16/2012	3/16/2012	2/16/2012	2/16/2012
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	1.2	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<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	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA	<4.0	<4.0
2-Methylnaphthalene	NA*	NA*	NA*	NA*	<5.0	<5.0	NA	NA	<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	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA	<10.0	<10.0
Acrylonitrile	NA*	NA*	NA*	NA*	<10.0	<10.0	NA	NA	<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	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA	<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**	<4.0	<4.0	<4.0
Chloroprene	NA*	NA*	NA*	NA*	<1.0	<1.0	NA	NA	<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	NA*	NA*	NA*	NA*	<4.0	<4.0	NA	NA	<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	<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	**39.0**	**3.3**	**22.7**	<1.0	**39.6**	<1.0	**86.5**	<1.0	**51.8**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
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	NA*	NA*	<0.40	<0.40	<10.0	<10.0	NA	NA	<10.0	<10.0
Vinyl chloride	<0.40	<0.40	<3.0	<3.0	<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	**39**	**3.3**	**22.7**	**0**	**39.6**	**0**	**91.7**	**0**	**51.8**	**0**

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 6

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

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent
Collected Date	1/27/2012	1/27/2012	1/20/2012	1/20/2012	11/21/2011	11/21/2011	10/27/2011	10/27/2011	9/29/2011	9/29/2011
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	**2.9**	**6.4**	<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	**8.8**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**6.5**
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	**9.4**	**7.8**	<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	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<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	**76.3**	<1.0	**149**	**45.1**	**31.6**	<1.0	**40.3**	<1.0	**45.1**	<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	<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	**76.3**	**0**	**149**	**45.1**	**31.6**	**0**	**40.3**	**0**	**45.1**	**6.5**

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	8/28/2011	8/28/2011	7/25/2011	7/25/2011	6/16/2011	6/16/2011	5/19/2011	5/19/2011	4/22/2011	4/22/2011
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	<4.0	<4.0	<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	**4.9**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	**50.7**	<1.0	**37.0**	<1.0	**42.8**	<1.0	**21.8**	<1.0	**41.3**	<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	<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	**50.7**	**4.9**	**37**	**0**	**42.8**	**0**	**21.8**	**0**	**41.3**	**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	3/23/2011	3/23/2011	3/1/2011	3/1/2011	1/20/2011	1/20/2011	12/23/2010	12/23/2010	10/19/2010	10/19/2010
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	**2.3**	<1.0	<1.0	<1.0	**3.0**	<1.0	**1.9**	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<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	<4.0	<4.0	<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)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.5**	**5.6**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<10.0	**11.1**	<10.0	<10.0
Acrolein	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<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	<1.0	<1.0	<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	**35.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	**1.3**	<1.0	<1.0	<1.0	**1.8**	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<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	**6.8**	<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	**7.6**	<1.0	**127**	<1.0	**51.8**	<1.0	**168**	<1.0	**204**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<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	<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	**42.6**	**6.8**	**130.6**	**0**	**51.8**	**0**	**172.8**	**11.1**	**210.4**	**5.6**

Bold : Parameter detected above the reporting limit.

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

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

[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[3]	AS-Influent	AS-Effluent[3]
Collected Date	7/26/2010	7/26/2010	6/17/2010	6/17/2010	5/12/2010	5/12/2010	4/16/2010	4/16/2010	3/25/2010	3/25/2010
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	<1.0	<1.0	**2.6**	<1.0	**2.5**	<1.0	**1.4**	<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	<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)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**4.9**	**4.9**	**7.5**
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)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0	**13.3**	<10.0	<10.0	<10.0	**29.3**	**11.2**	**29.8**
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	**37.3**	**38.0**
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	**7.2**	**8.7**	<4.0	<4.0	**10.7**	**491**	**380**	**644**
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	**1.5**	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	**17.3**	**18.9**
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	**3.4**
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	**1.6**
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	<1.0	**40.6**	**108**	**2.4**	**63.4**	<1.0	**48.6**	<1.0	**55.5**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	**20.3**
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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
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	**4.9**
Total VOC Concentration	**0**	**40.6**	**119.3**	**15.7**	**65.9**	**0**	**60.7**	**525.2**	**507.2**	**763.5**

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-IN Vial 2	AS-Effluent	AS-INFLUENT	AS-EFFLUENT
Collected Date	2/22/2010	2/22/2010	1/14/2010	1/14/2010	12/17/2009	12/17/2009	12/17/2009	11/16/2009	11/16/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-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	**2.1**	<1.0	**1.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-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	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	**7.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<25.0	<25.0	<25.0	<25.0	<25.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<10.0	<10.0	**14.6**	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
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	<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
Carbon tetrachloride	<4.0	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<4.0	<4.0	**98.5**	**31.9**	<1.0	<1.0	**1.3**	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	**1.3**	<1.0	**1.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
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	<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
m&p-Xylene	<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
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	<1.0	<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
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	**69.6**	<1.0	**157**	<1.0	<1.0	<1.0	**22.7**	**30.7**	<1.0
Tetrahydrofuran	<10.0	**15.7**	**29.4**	<10.0	**11.7**	**11.5**	<10.0	<10.0	<10.0
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**73**	**15.7**	**308.8**	**31.9**	**11.7**	**11.5**	**24**	**30.7**	**0**

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 6

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

Sample ID	AS-Influent	AS-Effluent	AS-Influent	AS-Effluent	AS-INFLUENT	AS-EFFLUENT	AS INFLUENT	AS EFFLUENT[2]	DPE Discharge[1]
Collected Date	10/15/2009	10/15/2009	9/4/2009	9/4/2009	7/9/2009	7/9/2009	6/4/2009	6/4/2009	4/9/2009
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**29.4**
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
1,1,2-Trichlorotrifluoroethane	**1.4**	<1.0	**1.2**	<1.0	**10.4**	<1.0	**53.7**	<1.0	**7860**
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**26.0**
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**7.1**
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**7.8**
2,2-Dichloropropane	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
2-Butanone (MEK)	**5.4**	<4.0	**13.5**	**19.8**	<20.0	**82.1**	<200	**1670**	**392**
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<1250	<25.0	<50.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**51.0**
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<25.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<25.0	<5.0	<250	<5.0	<25.0
Acetone	<10.0	<10.0	<10.0	<10.0	<50.0	**68.7**	<500	**987**	<50.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<200	<40.0	<2000	<40.0	<200
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<50.0	<10.0	<500	<10.0	<50.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Benzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<40.0	<8.0	<400	<8.0	<40.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Carbon tetrachloride	<4.0	<4.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Chloromethane	<1.0	<1.0	<1.0	<1.0	**63.3**	**76.4**	<50.0	<1.0	<5.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
cis-1,2-Dichloroethene	**1.5**	<1.0	**1.5**	<1.0	**13.0**	<1.0	**62.9**	<1.0	**206**
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<10.0	<2.0	<100	<2.0	<10.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	5.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Styrene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
Tetrachloroethene	**214**	<1.0	**175**	<1.0	**1460**	<1.0	**3970**	**33.8**	**167000**
Tetrahydrofuran	**15.7**	<10.0	<10.0	<10.0	<50.0	**252**	**543**	**6300**	**600**
Toluene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	<5.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<50.0	<1.0	**159**
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<20.0	<4.0	<200	<4.0	<20.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<100	<20.0	<1000	<20.0	<100
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<2.0	<0.40	<20.0	<0.40	<2.0
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<15.0	<3.0	<150	<3.0	<15.0
Total VOC Concentration	**238**	**0**	**191.2**	**19.8**	**1,546.7**	**479.2**	**4,566.7**	**8,990.8**	**176,338.3**

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 7

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

Well ID	Date Measured	Top of Casing Elevation[1,2]	Depth to Groundwater (feet)	Groundwater Elevation[3]	System Status
MW-14	12/3/2008	989.50	10.82	978.68	pre-system installation
MW-14	6/8/2009	989.50	12.40	977.10	pre-system startup
MW-14	7/9/2009	989.50	12.90	976.60	DPE system on DPE-1
MW-14	7/9/2009	989.50	12.51	976.99	DPE system temporarily off
MW-14	9/4/2009	989.50	12.63	976.87	DPE system on
MW-14	9/4/2009	989.50	12.57	976.93	DPE system on after replacing inlet screen
MW-14	9/4/2009	989.50	12.65	976.85	DPE system on after replacing inlet filter
MW-14	10/15/2009	989.50	12.47	977.03	DPE system on DPE-1
MW-14	10/23/2009	989.50	11.33	978.17	DPE system off
MW-14	11/16/2009	989.50	11.87	977.63	DPE System on all wells
MW-14	12/17/2009	989.50	11.66	977.84	DPE System on all wells
MW-14	1/14/2010	989.50	12.14	977.36	DPE System on all wells
MW-14	2/22/2010	989.50	12.51	976.99	DPE System on all wells
MW-14	3/25/2010	989.50	11.90	977.60	DPE System on all wells
MW-14	4/16/2010	989.50	12.21	977.29	DPE System on all wells
MW-14	5/12/2010	989.50	12.68	976.82	DPE System on all wells
MW-14	6/17/2010	989.50	13.01	976.49	DPE System on all wells
MW-14	8/18/2010	989.50	13.28	976.22	DPE System on all wells
MW-14	9/27/2010	989.50	10.85	978.65	DPE System on all wells
MW-14	11/18/2010	989.50	11.16	978.34	DPE System not operating
MW-14	12/22/2010	989.50	11.56	977.94	DPE System restarted
MW-14	1/6/2011	989.50	10.82	978.68	DPE System on all wells
MW-14	1/20/2011	989.50	11.18	978.32	DPE System on all wells
MW-14	2/28/2011	989.50	11.18	978.32	DPE System on all wells
MW-14	3/7/2011	989.50	11.60	977.90	DPE System on all wells
MW-14	3/18/2011	989.50	11.47	978.03	DPE System on all wells
MW-14	3/23/2011	989.50	10.84	978.66	DPE System on all wells
MW-14	4/22/2011	989.50	12.70	976.80	DPE System on all wells
MW-14	5/19/2011	989.50	10.96	978.54	DPE System on all wells
MW-14	6/16/2011	989.50	11.13	978.37	DPE System on all wells
MW-14	7/25/2011	989.50	10.72	978.78	DPE System on all wells
MW-14	8/28/2011	989.50	12.11	977.39	DPE System on all wells
MW-14	9/29/2011	989.50	12.26	977.24	DPE-1,2,3,4
MW-14	10/18/2011	989.50	11.18	978.32	DPE-1,2,3,4
MW-14	10/27/2011	989.50	12.30	977.20	DPE-1,2,3,4
MW-14	11/21/2011	989.50	12.77	976.73	DPE-1,2,3,4
MW-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

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

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

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

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

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

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

TABLE 7

GROUNDWATER ELEVATIONS
MN Bio Business Center
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Rochester, Minnesota

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

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

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

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

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

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

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

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

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

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 8

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

MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

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

Notes:

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

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-14	12/3/2008	30.6	
	6/29/2009	30.6	
	10/1/2009	4.2	-86.3
	11/16/2009	7.1	-76.8
	2/23/2010	3.0	-90.2
	5/12/2010	3.1	-89.9
	8/18/2010	1.8	-94.1
	11/18/2010	6.6	-78.4
	3/1/2011	4.8	-84.3
	5/19/2011	5.0	-83.7
	8/28/2011	1.5	-95.1
	11/21/2011	1.5	-95.1
	2/16/2012	<1.0	-100.0
	5/17/2012	<1.0	-100.0
	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
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
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

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
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
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

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
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
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

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
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
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

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
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
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

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	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Collected Date and Time	Risk Limits 5/09	5/23/2013	2/25/2013	12/19/2012	9/26/2012	5/17/2012	2/16/2012	11/21/2011	8/28/2011	5/19/2011
1,1,1,2-Tetrachloroethane	70	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	9000	**6.4**	<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	**1.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**145**	**7.9**	**3.9**	**1.1**	**1.1**	<1.0	**3.2**	**9.5**	**13.3**
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	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<25.0	<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	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**3.5**	<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	**89.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**2.9**	**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	<5.0	<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	<2.0	<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	<1.0	<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	**9840**	**171**	**505**	**82.2**	**38.8**	**26.4**	**99.2**	**309**	**185**
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	<4.0	<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	**25.9**	<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	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1
Collected Date and Time	Risk Limits 5/09	03/01/11	12/22/10	08/18/10	05/13/10	02/22/10	11/16/09	09/28/09	12/10/08	8/7/2008
1,1,1,2-Tetrachloroethane	70	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,1-Trichloroethane	9000	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2,2-Tetrachloroethane	2	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichloroethane	3	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1,2-Trichlorotrifluoroethane	200000	**3.2**	**37.8**	**66.4**	**148**	**190**	**215**	**912**	NA*	**11,300**
1,1-Dichloroethane	70	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,1-Dichloroethene	6	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
1,1-Dichloropropene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichlorobenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,3-Trichloropropane	40	<4.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trichlorobenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2,4-Trimethylbenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dibromo-3-chloropropane	NL	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
1,2-Dibromoethane (EDB)	.004	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichlorobenzene	600	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloroethane	4	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,2-Dichloropropane	5	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3,5-Trimethylbenzene	100	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichlorobenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,3-Dichloropropane	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
1,4-Dichlorobenzene	10	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
2,2-Dichloropropane	NL	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
2-Butanone (MEK)	4000	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
2-Chlorotoluene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Chlorotoluene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
4-Methyl-2-pentanone (MIBK)	300	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Acetone	700	<25.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Allyl chloride	30	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Benzene	2	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromobenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromochloromethane	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromodichloromethane	6	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Bromoform	40	<8.0	<40.0	<40.0	<8.0	<200	<200	<400	NA*	<2000
Bromomethane	10	<10.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Carbon tetrachloride	3	<4.0	<20.0	<20.0	<4.0	<25.0	<100	<50.0	NA*	<250
Chlorobenzene	100	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroethane	300	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Chloroform	30	<1.0	<5.0	<5.0	**2.6**	<25.0	<25.0	<50.0	NA*	<250
Chloromethane	NL	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<250
cis-1,2-Dichloroethene	50	<1.0	**11.5**	<5.0	**8.7**	<25.0	<25.0	<50.0	<2000	**3,250**
cis-1,3-Dichloropropene	NL	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Dibromochloromethane	10	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dibromomethane	NL	<4.0	<20.0	<20.0	<4.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorodifluoromethane	1000	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Dichlorofluoromethane	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Diethyl ether (Ethyl ether)	1000	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Ethylbenzene	700	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Hexachloro-1,3-butadiene	1	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Isopropylbenzene (Cumene)	300	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
m&p-Xylene	NL	<2.0	<10.0	<10.0	<2.0	<50.0	<50.0	<100	NA*	<500
Methylene Chloride	5	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Methyl-tert-butyl ether	70	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Naphthalene	300	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
n-Butylbenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
n-Propylbenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
o-Xylene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
p-Isopropyltoluene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
sec-Butylbenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Styrene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
tert-Butylbenzene	NL	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Tetrachloroethene	5	**101**	**1190**	**965**	**1,700**	**2,610**	**3,330**	**6,820**	**161,000**	**157,000**
Tetrahydrofuran	100	<10.0	<50.0	<50.0	<10.0	<250	<250	<500	NA*	<2500
Toluene	1000	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
trans-1,2-Dichloroethene	100	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	<2000	<250
trans-1,3-Dichloropropene	NL	<4.0	<20.0	<20.0	<4.0	<100	<100	<200	NA*	<1000
Trichloroethene	5	<1.0	<5.0	<5.0	**2.3**	<25.0	<25.0	<50.0	<2000	**563**
Trichlorofluoromethane	2000	<1.0	<5.0	<5.0	<1.0	<25.0	<25.0	<50.0	NA*	<250
Vinyl chloride	0.2	<0.40	<2.0	<2.0	<0.40	<10.0	<10.0	<20.0	<800	<100
Xylene (Total)	10000	<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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-2 05/23/13	DPE-2 02/25/13	DPE-2 12/19/12	DPE-2 09/26/12	DPE-2 05/17/12	DPE-2 02/16/12	DPE-2 11/21/11	DPE-2 08/28/11	DPE-2 05/19/11
1,1,1,2-Tetrachloroethane	70	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1,1-Trichloroethane	9000	**4.1**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1,2-Trichloroethane	3	**1.3**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1,2-Trichlorotrifluoroethane	200000	**136**	**16.0**	**43.5**	**3.1**	**23.8**	**41.5**	**110**	**212**	**199**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
2-Butanone (MEK)	4000	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Acetone	700	<20.0	<25.0	<25.0	<25.0	<50.0	<125	<250	<250	<25.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Chloroethane	300	<4.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Chloroform	30	**3.8**	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	**3.1**
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
cis-1,2-Dichloroethene	50	**67.8**	<1.0	**1.8**	<1.0	<2.0	<5.0	<10.0	<10.0	**5.5**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<10.0	<25.0	<50.0	<50.0	<5.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
m&p-Xylene	NL	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<20.0	<20.0	<2.0
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
o-Xylene	NL	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Tetrachloroethene	5	**7100**	**140**	**746**	**39.0**	**206**	**511**	**890**	**2080**	**1680**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<20.0	<50.0	<100	<100	<10.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<40.0	<40.0	<4.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<8.0	<20.0	<40.0	<40.0	<4.0
Trichloroethene	5	**12.7**	<1.0	**1.6**	<1.0	<2.0	<5.0	<10.0	<10.0	**2.2**
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<2.0	<5.0	<10.0	<10.0	<1.0
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.80	<2.0	<4.0	<4.0	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<6.0	<15.0	<30.0	<30.0	<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	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Collected Date and Time		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	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,1-Trichloroethane	9000	<25.0	<50.0	<50.0	**2.9**	<20.0	<100	<250	NA*
1,1,2,2-Tetrachloroethane	2	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichloroethane	3	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichlorotrifluoroethane	200000	<25.0	**356**	**997**	**673**	**305**	**1,270**	**1,620**	NA*
1,1-Dichloroethane	70	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,1-Dichloroethene	6	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
1,1-Dichloropropene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichlorobenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichloropropane	40	<100	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trichlorobenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2,4-Trimethylbenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dibromo-3-chloropropane	NL	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
1,2-Dibromoethane (EDB)	.004	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichlorobenzene	600	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloroethane	4	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,2-Dichloropropane	5	<25.0	<50.0	<50.0	**1.3**	<20.0	<100	<250	NA*
1,3,5-Trimethylbenzene	100	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichlorobenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,3-Dichloropropane	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
1,4-Dichlorobenzene	10	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
2,2-Dichloropropane	NL	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
2-Butanone (MEK)	4000	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
2-Chlorotoluene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Chlorotoluene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
4-Methyl-2-pentanone (MIBK)	300	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Acetone	700	<625	<500	<500	<10.0	<200	<1000	<2500	NA*
Allyl chloride	30	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Benzene	2	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromobenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromochloromethane	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromodichloromethane	6	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Bromoform	40	<200	<400	<400	<8.0	<160	<800	<2000	NA*
Bromomethane	10	<250	<200	<200	<4.0	<80.0	<400	<1000	NA*
Carbon tetrachloride	3	<100	<200	<200	<4.0	<20.0	<400	<250	NA*
Chlorobenzene	100	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroethane	300	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Chloroform	30	<25.0	<50.0	<50.0	**3.7**	<20.0	<100	<250	NA*
Chloromethane	NL	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
cis-1,2-Dichloroethene	50	<25.0	<50.0	<50.0	**25.8**	<20.0	<100	<250	<500
cis-1,3-Dichloropropene	NL	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Dibromochloromethane	10	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dibromomethane	NL	<100	<200	<200	<4.0	<20.0	<100	<250	NA*
Dichlorodifluoromethane	1000	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Dichlorofluoromethane	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Diethyl ether (Ethyl ether)	1000	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Ethylbenzene	700	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Hexachloro-1,3-butadiene	1	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Isopropylbenzene (Cumene)	300	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
m&p-Xylene	NL	<50.0	<100	<100	<2.0	<40.0	<200	<500	NA*
Methylene Chloride	5	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Methyl-tert-butyl ether	70	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Naphthalene	300	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
n-Butylbenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
n-Propylbenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
o-Xylene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
p-Isopropyltoluene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
sec-Butylbenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Styrene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
tert-Butylbenzene	NL	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Tetrachloroethene	5	**2,990**	**4,690**	**12,100**	**5,800**	**2,710**	**10,600**	**32,000**	**38,200**
Tetrahydrofuran	100	<250	<500	<500	<10.0	<200	<1000	<2500	NA*
Toluene	1000	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
trans-1,2-Dichloroethene	100	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	<500
trans-1,3-Dichloropropene	NL	<100	<200	<200	<4.0	<80.0	<400	<1000	NA*
Trichloroethene	5	<25.0	<50.0	<50.0	**7.5**	<20.0	<100	<250	<500
Trichlorofluoromethane	2000	<25.0	<50.0	<50.0	<1.0	<20.0	<100	<250	NA*
Vinyl chloride	0.2	<10.0	<20.0	<20.0	<0.40	<8.0	<40.0	<100	<200
Xylene (Total)	10000	<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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	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	DPE-3 05/19/11
1,1,1,2-Tetrachloroethane	70	**4.9**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1,1-Trichloroethane	9000	**38.7**	<1.0	**4.2**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1,2,2-Tetrachloroethane	2	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1,2-Trichloroethane	3	**2.1**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1,2-Trichlorotrifluoroethane	200000	**6020**	**15.8**	**232**	**2.7**	**414**	**251**	**787**	**348**	**343**
1,1-Dichloroethane	70	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1-Dichloroethene	6	**2.0**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,1-Dichloropropene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2,3-Trichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2,3-Trichloropropane	40	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
1,2,4-Trichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2,4-Trimethylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2-Dibromo-3-chloropropane	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
1,2-Dibromoethane (EDB)	.004	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2-Dichlorobenzene	600	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2-Dichloroethane	4	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,2-Dichloropropane	5	**10.0**	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
1,3,5-Trimethylbenzene	100	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,3-Dichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,3-Dichloropropane	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
1,4-Dichlorobenzene	10	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
2,2-Dichloropropane	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
2-Butanone (MEK)	4000	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
2-Chlorotoluene	NL	**4.2**	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
4-Chlorotoluene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
4-Methyl-2-pentanone (MIBK)	300	<10.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Acetone	700	<40.0	**104**	<25.0	<25.0	<500	<250	<625	<625	<500
Allyl chloride	30	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Benzene	2	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Bromobenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Bromochloromethane	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Bromodichloromethane	6	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Bromoform	40	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Bromomethane	10	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Carbon tetrachloride	3	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Chlorobenzene	100	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Chloroethane	300	<8.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Chloroform	30	**14.6**	<1.0	**2.6**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Chloromethane	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
cis-1,2-Dichloroethene	50	**90.2**	<1.0	**25.0**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
cis-1,3-Dichloropropene	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Dibromochloromethane	10	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Dibromomethane	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Dichlorodifluoromethane	1000	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Dichlorofluoromethane	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Diethyl ether (Ethyl ether)	1000	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Ethylbenzene	700	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Hexachloro-1,3-butadiene	1	<10.0	<5.0	<5.0	<5.0	<100	<50.0	<125	<125	<100
Isopropylbenzene (Cumene)	300	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
m&p-Xylene	NL	NA	<2.0	<2.0	<2.0	<40.0	<20.0	<50.0	<50.0	<40.0
Methylene Chloride	5	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Methyl-tert-butyl ether	70	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Naphthalene	300	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
n-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
n-Propylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
o-Xylene	NL	NA	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
p-Isopropyltoluene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
sec-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Styrene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
tert-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Tetrachloroethene	5	**61800**	**264**	**5670**	**74.8**	**3690**	**1010**	**5310**	**4260**	**3220**
Tetrahydrofuran	100	<20.0	<10.0	<10.0	<10.0	<200	<100	<250	<250	<200
Toluene	1000	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
trans-1,2-Dichloroethene	100	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<100	<100	<80.0
trans-1,3-Dichloropropene	NL	<8.0	<4.0	<4.0	<4.0	<80.0	<40.0	<100	<100	<80.0
Trichloroethene	5	**68.2**	<1.0	**10.4**	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Trichlorofluoromethane	2000	<2.0	<1.0	<1.0	<1.0	<20.0	<10.0	<25.0	<25.0	<20.0
Vinyl chloride	0.2	<0.80	<0.40	<0.40	<0.40	<8.0	<4.0	<10.0	<10.0	<8.0
Xylene (Total)	10000	<6.0	<3.0	<3.0	<3.0	<60.0	<30.0	<75.0	<75.0	<60.0

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

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

TABLE 10

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

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	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	DPE-4 05/19/11
1,1,1,2-Tetrachloroethane	70	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1,1-Trichloroethane	9000	**7.6**	<1.0	**1.1**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1,2,2-Tetrachloroethane	2	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1,2-Trichloroethane	3	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	**449**	**28.8**	**141**	**9.7**	**9.5**	**54.4**	**99.7**	**93.8**	**60.2**
1,1-Dichloroethane	70	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1-Dichloroethene	6	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,1-Dichloropropene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2,3-Trichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2,3-Trichloropropane	40	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
1,2,4-Trichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2,4-Trimethylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
1,2-Dibromoethane (EDB)	.004	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2-Dichlorobenzene	600	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2-Dichloroethane	4	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,2-Dichloropropane	5	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
1,3,5-Trimethylbenzene	100	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,3-Dichlorobenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,3-Dichloropropane	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
1,4-Dichlorobenzene	10	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
2,2-Dichloropropane	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
2-Butanone (MEK)	4000	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
2-Chlorotoluene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
4-Chlorotoluene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<10.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Acetone	700	<40.0	**40.9**	<25.0	<25.0	<50.0	<125	<125	<125	<50.0
Allyl chloride	30	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Benzene	2	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Bromobenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Bromochloromethane	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Bromodichloromethane	6	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Bromoform	40	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Bromomethane	10	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Carbon tetrachloride	3	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Chlorobenzene	100	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Chloroethane	300	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Chloroform	30	**7.1**	<1.0	**1.3**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Chloromethane	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
cis-1,2-Dichloroethene	50	**24.4**	<1.0	**5.1**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
cis-1,3-Dichloropropene	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Dibromochloromethane	10	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Dibromomethane	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Dichlorodifluoromethane	1000	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Dichlorofluoromethane	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Diethyl ether (Ethyl ether)	1000	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Ethylbenzene	700	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Hexachloro-1,3-butadiene	1	<10.0	<5.0	<5.0	<5.0	<10.0	<25.0	<25.0	<25.0	<10.0
Isopropylbenzene (Cumene)	300	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
m&p-Xylene	NL	NA	<2.0	<2.0	<2.0	<4.0	<10.0	<10.0	<10.0	<4.0
Methylene Chloride	5	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Methyl-tert-butyl ether	70	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Naphthalene	300	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
n-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
n-Propylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
o-Xylene	NL	NA	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
p-Isopropyltoluene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
sec-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Styrene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
tert-Butylbenzene	NL	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Tetrachloroethene	5	**13700**	**219**	**1410**	**187**	**223**	**830**	**763**	**771**	**367**
Tetrahydrofuran	100	<20.0	<10.0	<10.0	<10.0	<20.0	<50.0	<50.0	<50.0	<20.0
Toluene	1000	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
trans-1,2-Dichloroethene	100	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<20.0	<20.0	<8.0
trans-1,3-Dichloropropene	NL	<8.0	<4.0	<4.0	<4.0	<8.0	<20.0	<20.0	<20.0	<8.0
Trichloroethene	5	**19.5**	<1.0	**2.2**	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Trichlorofluoromethane	2000	<2.0	<1.0	<1.0	<1.0	<2.0	<5.0	<5.0	<5.0	<2.0
Vinyl chloride	0.2	<0.80	<0.40	<0.40	<0.40	<0.80	<2.0	<2.0	<2.0	<0.80
Xylene (Total)	10000	<6.0	<3.0	<3.0	<3.0	<6.0	<15.0	<15.0	<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

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

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	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	**48.0**	<1.0	**13.4**	**1.2**	<1.0	**2.2**	**3.0**	<1.0	**5.2**
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	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	**107**	<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	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.7**	<1.0	**1.5**	<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	<5.0	<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	<2.0	<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	<1.0	<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	**405**	**30.9**	**74.1**	**16.4**	**11.1**	**69.5**	**51.2**	<1.0	**67.2**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	DPE-5 03/01/11	DPE-5 12/22/10	DPE-5 08/18/10	DPE-5 05/13/10	DPE-5 02/22/10	DPE-5 11/17/09	DPE-5 09/24/09	DPE-5 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,1-Trichloroethane	9000	<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	<5.0	<10.0	<10.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<5.0	<10.0	<10.0	NA*
1,1-Dichloroethene	6	<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	<5.0	<10.0	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2,3-Trichloropropane	40	<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	<5.0	<10.0	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<20.0	<40.0	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<5.0	<10.0	<10.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
1,2-Dichloropropane	5	<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	<5.0	<10.0	<10.0	NA*
1,3-Dichlorobenzene	NL	<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	<5.0	<10.0	<10.0	NA*
1,4-Dichlorobenzene	10	<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	<5.0	<40.0	<10.0	NA*
2-Butanone (MEK)	4000	<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	<5.0	<10.0	<10.0	NA*
4-Chlorotoluene	NL	<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	<20.0	<40.0	<40.0	NA*
Acetone	700	<25.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Allyl chloride	30	<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	<5.0	<10.0	<10.0	NA*
Bromobenzene	NL	<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	<5.0	<10.0	<10.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
Bromoform	40	<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	<20.0	<40.0	<40.0	NA*
Carbon tetrachloride	3	<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	<5.0	<10.0	<10.0	NA*
Chloroethane	300	<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	<5.0	<10.0	<10.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<20.0	<40.0	<40.0	NA*
cis-1,2-Dichloroethene	50	**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	<20.0	<40.0	<40.0	NA*
Dibromochloromethane	10	<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	<5.0	<10.0	<10.0	NA*
Dichlorodifluoromethane	1000	<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	<5.0	<10.0	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<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	<5.0	<10.0	<10.0	NA*
Hexachloro-1,3-butadiene	1	<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	<5.0	<10.0	<10.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<10.0	<20.0	<20.0	NA*
Methylene Chloride	5	**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	<5.0	<10.0	<10.0	NA*
Naphthalene	300	<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	<5.0	<10.0	<10.0	NA*
n-Propylbenzene	NL	<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	<5.0	<10.0	<10.0	NA*
p-Isopropyltoluene	NL	<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	<5.0	<10.0	<10.0	NA*
Styrene	NL	<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	<5.0	<10.0	<10.0	NA*
Tetrachloroethene	5	**339**	**21.6**	**124**	**205**	**486**	**1,450**	**875**	**1,340**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<50.0	<100	<100	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<5.0	<10.0	<10.0	NA*
trans-1,2-Dichloroethene	100	<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	<20.0	<40.0	<40.0	NA*
Trichloroethene	5	<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	<5.0	<10.0	<10.0	NA*
Vinyl chloride	0.2	<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	<15.0	<30.0	<30.0	NA*

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

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

TABLE 10

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

Sample ID	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	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	**1.1**	<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	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<25.0	<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	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.4**
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	<5.0	<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	<2.0	<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	<1.0	<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	**6.2**	**19.8**	**10.9**	**4.6**	<1.0	**44.8**	**1.9**	**7.7**	**23.4**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time	Risk Limits 5/09	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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<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	NA*
Diethyl ether (Ethyl ether)	1000	<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	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<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	<2.0
Trichlorofluoromethane	2000	<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	<0.80
Xylene (Total)	10000	<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	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7	DPE-7
Collected Date and Time	Risk Limits 5/09	05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	**3.8**	**1.8**
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	<4.0	<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	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Acetone	700	<20.0	<25.0	<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	**1.2**	**2.3**
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	<5.0	<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	<2.0	<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	<1.0	<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	**1.6**	**8.0**	**3.7**	<1.0	<1.0	**27.8**	<1.0	**26.9**	**15.9**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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	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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<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	NA*
Diethyl ether (Ethyl ether)	1000	<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	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<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
Trichlorofluoromethane	2000	<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
Xylene (Total)	10000	<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 Collected Date and Time	MDH Health Risk Limits 5/09	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	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,1-Trichloroethane	9000	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2,2-Tetrachloroethane	2	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2-Trichloroethane	3	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	**237**	NS	NS	NS	NS	NS	**62.0**	**32.4**
1,1-Dichloroethane	70	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1-Dichloroethene	6	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,1-Dichloropropene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,3-Trichlorobenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,3-Trichloropropane	40	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,2,4-Trichlorobenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2,4-Trimethylbenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,2-Dibromoethane (EDB)	.004	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichlorobenzene	600	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichloroethane	4	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,2-Dichloropropane	5	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
1,3,5-Trimethylbenzene	100	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,3-Dichlorobenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,3-Dichloropropane	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
1,4-Dichlorobenzene	10	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
2,2-Dichloropropane	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
2-Butanone (MEK)	4000	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0
2-Chlorotoluene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
4-Chlorotoluene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<25.0	NS	NS	NS	NS	NS	<20.0	<8.0
Acetone	700	<100	NS	NS	NS	NS	NS	<125	<50.0
Allyl chloride	30	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Benzene	2	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromobenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromochloromethane	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromodichloromethane	6	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Bromoform	40	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Bromomethane	10	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Carbon tetrachloride	3	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chlorobenzene	100	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloroethane	300	<20.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloroform	30	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Chloromethane	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
cis-1,2-Dichloroethene	50	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
cis-1,3-Dichloropropene	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Dibromochloromethane	10	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Dibromomethane	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Dichlorodifluoromethane	1000	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Dichlorofluoromethane	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Diethyl ether (Ethyl ether)	1000	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Ethylbenzene	700	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Hexachloro-1,3-butadiene	1	<25.0	NS	NS	NS	NS	NS	<25.0	<10.0
Isopropylbenzene (Cumene)	300	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
m&p-Xylene	NL	NA	NS	NS	NS	NS	NS	<10.0	<4.0
Methylene Chloride	5	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Methyl-tert-butyl ether	70	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Naphthalene	300	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
n-Butylbenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
n-Propylbenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
o-Xylene	NL	NA	NS	NS	NS	NS	NS	<5.0	<2.0
p-Isopropyltoluene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
sec-Butylbenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Styrene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
tert-Butylbenzene	NL	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Tetrachloroethene	5	**4240**	NS	NS	NS	NS	NS	**389**	**700**
Tetrahydrofuran	100	**112**	NS	NS	NS	NS	NS	<50.0	<20.0
Toluene	1000	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
trans-1,2-Dichloroethene	100	<5.0	NS	NS	NS	NS	NS	<20.0	<8.0
trans-1,3-Dichloropropene	NL	<20.0	NS	NS	NS	NS	NS	<20.0	<8.0
Trichloroethene	5	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Trichlorofluoromethane	2000	<5.0	NS	NS	NS	NS	NS	<5.0	<2.0
Vinyl chloride	0.2	<2.0	NS	NS	NS	NS	NS	<2.0	<0.80
Xylene (Total)	10000	<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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-8 05/19/11	DPE-8 03/01/11	DPE-8 12/22/10	DPE-8 08/18/10	DPE-8 05/13/10	DPE-8 02/22/10	DPE-8 11/17/09	DPE-8 09/24/09	DPE-8 12/10/08
1,1,1,2-Tetrachloroethane	70	<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

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		05/23/13	02/25/13	12/21/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	<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	**1.5**	<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	**3.5**	**2.0**	**2.1**	**1.6**	**1.4**	**1.2**	**1.4**	**1.6**	**1.9**
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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**2.2**	<1.0	**1.3**	<1.0	<1.0	<1.0	**1.5**	**1.5**	**5.0**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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 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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**1.1**	<1.0	NA*
1,1-Dichloroethane	70	<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
1,1-Dichloropropene	NL	<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	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	**1.1**	<1.0	<1.0	<1.0	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	**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
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<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	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<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
Trichlorofluoromethane	2000	<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
Xylene (Total)	10000	<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		05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	**1.1**	<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	<4.0	<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**	**2.8**
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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**3.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.2**	<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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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-15 03/01/11	MW-15 11/18/10	MW-15 08/18/10	MW-15 05/12/10	MW-15 02/22/10	MW-15 11/16/09	MW-15 10/01/09	MW-15 12/10/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	**5.1**	<4.0	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	**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	NA*
cis-1,2-Dichloroethene	50	<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	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<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	NA*
Diethyl ether (Ethyl ether)	1000	<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	NA*
Hexachloro-1,3-butadiene	1	<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	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	<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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<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
Trichlorofluoromethane	2000	<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
Xylene (Total)	10000	<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 / Collected Date and Time	MDH Health Risk Limits 5/09	MW-16 05/23/13	MW-16 02/25/13	MW-16 12/19/12	MW-16 09/26/12	MW-16 05/17/12	MW-16 02/16/12	MW-16 11/21/11	MW-16 08/28/11	MW-16 05/19/11
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1,1-Trichloroethane	9000	**10.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1,2-Trichlorotrifluoroethane	200000	**1050**	<1.0	**7.3**	**1.3**	<1.0	<1.0	**3.1**	**19.7**	**43.6**
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2,3-Trichloropropane	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,2-Dichloropropane	5	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
2,2-Dichloropropane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
2-Butanone (MEK)	4000	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
4-Methyl-2-pentanone (MIBK)	300	<5.0	<5.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Acetone	700	<20.0	<20.0	<25.0	<25.0	<25.0	<25.0	<25.0	<50.0	<50.0
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Benzene	2	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Bromoform	40	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Carbon tetrachloride	3	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Chloroform	30	**4.5**	1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
cis-1,2-Dichloroethene	50	**91.8**	<1.0	**1.7**	<1.0	<1.0	<1.0	**1.0**	**7.3**	**4.1**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Dibromomethane	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Hexachloro-1,3-butadiene	1	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
m&p-Xylene	NL	NA	<4.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<4.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Methyl-tert-butyl ether	70	<1.0	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
o-Xylene	NL	NA	NA	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Styrene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Tetrachloroethene	5	**7450**	**8.0**	**128**	**21.8**	**7.8**	**16.1**	**75.0**	**590**	**1310**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<20.0	<20.0
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<8.0	<8.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<8.0	<8.0
Trichloroethene	5	**25.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	**2.0**
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<2.0
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.80	<0.80
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<6.0	<6.0

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

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

TABLE 10

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

Sample ID / Collected Date and Time	MDH Health Risk Limits 5/09	MW-16 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	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,1-Trichloroethane	9000	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2,2-Tetrachloroethane	2	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichloroethane	3	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**23.0**	**127**	**63.8**	**39.3**	**261**	**1,390**	**779**	NA*
1,1-Dichloroethane	70	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,1-Dichloroethene	6	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
1,1-Dichloropropene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichlorobenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,3-Trichloropropane	40	<8.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trichlorobenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2,4-Trimethylbenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dibromo-3-chloropropane	NL	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
1,2-Dibromoethane (EDB)	.004	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichlorobenzene	600	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloroethane	4	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,2-Dichloropropane	5	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3,5-Trimethylbenzene	100	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichlorobenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,3-Dichloropropane	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
1,4-Dichlorobenzene	10	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
2,2-Dichloropropane	NL	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
2-Butanone (MEK)	4000	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
2-Chlorotoluene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Chlorotoluene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Acetone	700	<50.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Allyl chloride	30	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Benzene	2	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromobenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromochloromethane	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromodichloromethane	6	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Bromoform	40	<16.0	<40.0	<40.0	<80.0	<400	<2000	<80.0	NA*
Bromomethane	10	<20.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Carbon tetrachloride	3	<8.0	<20.0	<20.0	<40.0	<200	<1000	<10.0	NA*
Chlorobenzene	100	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroethane	300	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloroform	30	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Chloromethane	NL	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
cis-1,2-Dichloroethene	50	**2.6**	**12.6**	<5.0	<10.0	<50.0	<250	**24.0**	**133**
cis-1,3-Dichloropropene	NL	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Dibromochloromethane	10	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dibromomethane	NL	<8.0	<20.0	<20.0	<40.0	<200	<250	<10.0	NA*
Dichlorodifluoromethane	1000	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Dichlorofluoromethane	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Diethyl ether (Ethyl ether)	1000	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Ethylbenzene	700	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Hexachloro-1,3-butadiene	1	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Isopropylbenzene (Cumene)	300	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
m&p-Xylene	NL	<4.0	<10.0	<10.0	<20.0	<100	<500	<20.0	NA*
Methylene Chloride	5	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Methyl-tert-butyl ether	70	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Naphthalene	300	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
n-Butylbenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
n-Propylbenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
o-Xylene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
p-Isopropyltoluene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
sec-Butylbenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Styrene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
tert-Butylbenzene	NL	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Tetrachloroethene	5	**322**	**2120**	**696**	**815**	**4,390**	**21,000**	**6,890**	**14,100**
Tetrahydrofuran	100	<20.0	<50.0	<50.0	<100	<500	<2500	<100	NA*
Toluene	1000	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
trans-1,2-Dichloroethene	100	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	<1.0
trans-1,3-Dichloropropene	NL	<8.0	<20.0	<20.0	<40.0	<200	<1000	<40.0	NA*
Trichloroethene	5	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	**35.0**
Trichlorofluoromethane	2000	<2.0	<5.0	<5.0	<10.0	<50.0	<250	<10.0	NA*
Vinyl chloride	0.2	<0.80	<2.0	<2.0	<4.0	<20.0	<100	<4.0	<0.40
Xylene (Total)	10000	<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 / Collected Date and Time	MDH Health Risk Limits 5/09	MW-17 05/23/12	MW-17 02/25/13	MW-17 12/19/12	MW-17 09/26/12	MW-17 05/17/12	MW-17 02/16/12	MW-17 11/21/11	MW-17 08/28/11	MW-17 05/19/11
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	**32.8**	**7.0**	<1.0	**2.0**	**6.3**	**6.6**	**11.5**	**6.5**	**15.8**
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	<4.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	30	**1.2**	**1.3**	**1.1**	**1.1**	**1.6**	**1.2**	**1.4**	<1.0	**1.1**
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	**2.5**	<1.0	<1.0	<1.0	<1.0	<1.0	**1.0**	**1.3**	**1.0**
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**215**	**49.9**	**22.0**	**23.3**	**37.1**	**47.1**	**106**	**107**	**109**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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 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	<5.0	<5.0	<5.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**21.6**	**25.1**	**25.4**	**46.8**	**76.2**	**199**	**249**	NA*
1,1-Dichloroethane	70	<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	<5.0	<5.0	<5.0	<2.0	<5.0
1,1-Dichloropropene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichloropropane	40	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<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	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<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	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<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	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<25.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<10.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	**1.4**	**1.8**	**2.5**	<5.0	<5.0	<5.0	**2.4**	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
cis-1,2-Dichloroethene	50	**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	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Dichlorofluoromethane	NL	<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	<20.0	<20.0	<20.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<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	<10.0	<10.0	<10.0	<4.0	NA*
Methylene Chloride	5	**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	<5.0	<5.0	<5.0	<2.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene	5	**145**	**209**	**174**	**412**	**639**	**1,100**	**803**	**363**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<50.0	<50.0	<50.0	<20.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<20.0	<20.0	<20.0	<8.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
Trichlorofluoromethane	2000	<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	<2.0	<2.0	<2.0	<0.80	<2.0
Xylene (Total)	10000	<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		05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	<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	**20.9**	<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	<4.0	<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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**1.2**	**2.3**	<1.0	**1.8**	**1.5**	**2.9**	**3.6**	**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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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 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	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**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	NA*
1,1-Dichloroethene	6	<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	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<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	NA*
Chloromethane	NL	<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	<2.0
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<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	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<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	**1.2**	**2.1**	**2.6**	<2.0
Trichlorofluoromethane	2000	<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	<0.80
Xylene (Total)	10000	<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-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time		05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	<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	<1.0
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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**3.0**	<1.0	**1.4**	<1.0	**1.1**	**2.2**	**2.7**	**2.9**	**4.7**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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-19 03/01/11	MW-19 11/18/10	MW-19 08/18/10	MW-19 05/12/10	MW-19 02/23/10	MW-19 11/16/09	MW-19 09/24/09	MW-19 12/03/08
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<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	NA*
1,1,2-Trichloroethane	3	<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	**1.9**	**2.4**	NA*
1,1-Dichloroethane	70	<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
1,1-Dichloropropene	NL	<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	NA*
1,2,3-Trichloropropane	40	<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	NA*
1,2,4-Trimethylbenzene	NL	<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	NA*
1,2-Dibromoethane (EDB)	.004	<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	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<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	NA*
1,3-Dichloropropane	NL	<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	NA*
2,2-Dichloropropane	NL	<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	**5.5**	NA*
2-Chlorotoluene	NL	<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	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<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	NA*
Benzene	2	<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	NA*
Bromochloromethane	NL	<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	NA*
Bromoform	40	<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	NA*
Carbon tetrachloride	3	<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	NA*
Chloroethane	300	<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	NA*
Chloromethane	NL	<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
cis-1,3-Dichloropropene	NL	<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	NA*
Dibromomethane	NL	<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	NA*
Dichlorofluoromethane	NL	<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	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<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	NA*
Methylene Chloride	5	**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	NA*
Naphthalene	300	<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	NA*
n-Propylbenzene	NL	<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	NA*
p-Isopropyltoluene	NL	<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	NA*
Styrene	NL	<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	NA*
Tetrachloroethene	5	**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	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<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
Trichlorofluoromethane	2000	<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
Xylene (Total)	10000	<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-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
Collected Date and Time		05/23/13	02/25/13	12/19/12	09/26/12	05/17/12	02/16/12	11/21/11	08/28/11	05/19/11
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	**18.0**	**1.4**	**1.3**	**1.3**	**1.5**	**2.1**	**2.5**	<1.0	**2.3**
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
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	<1.0
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	<5.0	<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	<2.0
Methylene Chloride	5	<4.0	<1.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	70	<1.0	NA	<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	**198**	**50.2**	**40.8**	**17.4**	**28.7**	**41.8**	**32.5**	**12.2**	**16.8**
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	<4.0	<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	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
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 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	<2.0	<2.0	<2.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**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	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichloropropane	40	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<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	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<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	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<25.0	<10.0	<10.0	<20.0	<20.0	<20.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<16.0	<16.0	<16.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<4.0	<4.0	<8.0	<2.0	<8.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<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	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<4.0	<4.0	<4.0	<8.0	<2.0	<2.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<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	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<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	<4.0	<4.0	<4.0	<2.0	NA*
Methylene Chloride	5	**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	<2.0	<2.0	<2.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene	5	**211**	**50.9**	**74.7**	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<20.0	**36.1**	<20.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<2.0	<2.0	<2.0	<1.0	<5.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<8.0	<8.0	<8.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	**2.9**	<2.0	<2.0	<1.0	<5.0
Trichlorofluoromethane	2000	<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	<0.80	<0.80	<0.80	<0.40	<2.0
Xylene (Total)	10000	<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 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-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-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-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

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-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-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
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

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-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-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-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

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-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-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

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

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	

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	

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**

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

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

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

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

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

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

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

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

* - 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

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

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

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

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

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

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

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

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							

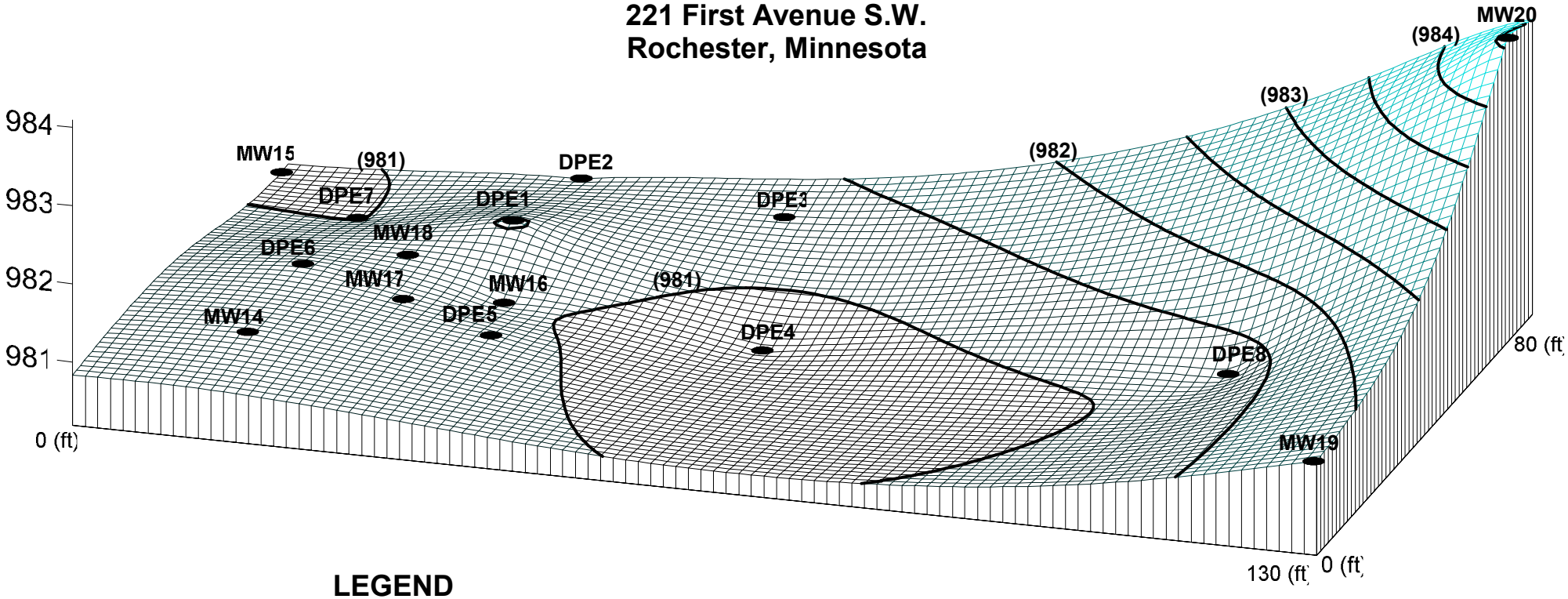
Notes:

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
July 23, 2013

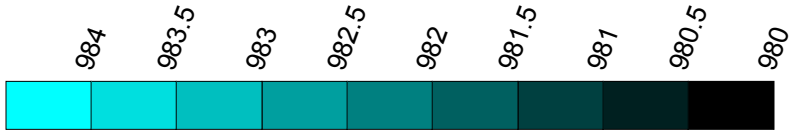
MN Bio Business Center
221 First Avenue S.W.
Rochester, Minnesota



LEGEND

● DPE and Monitoring Well Location

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

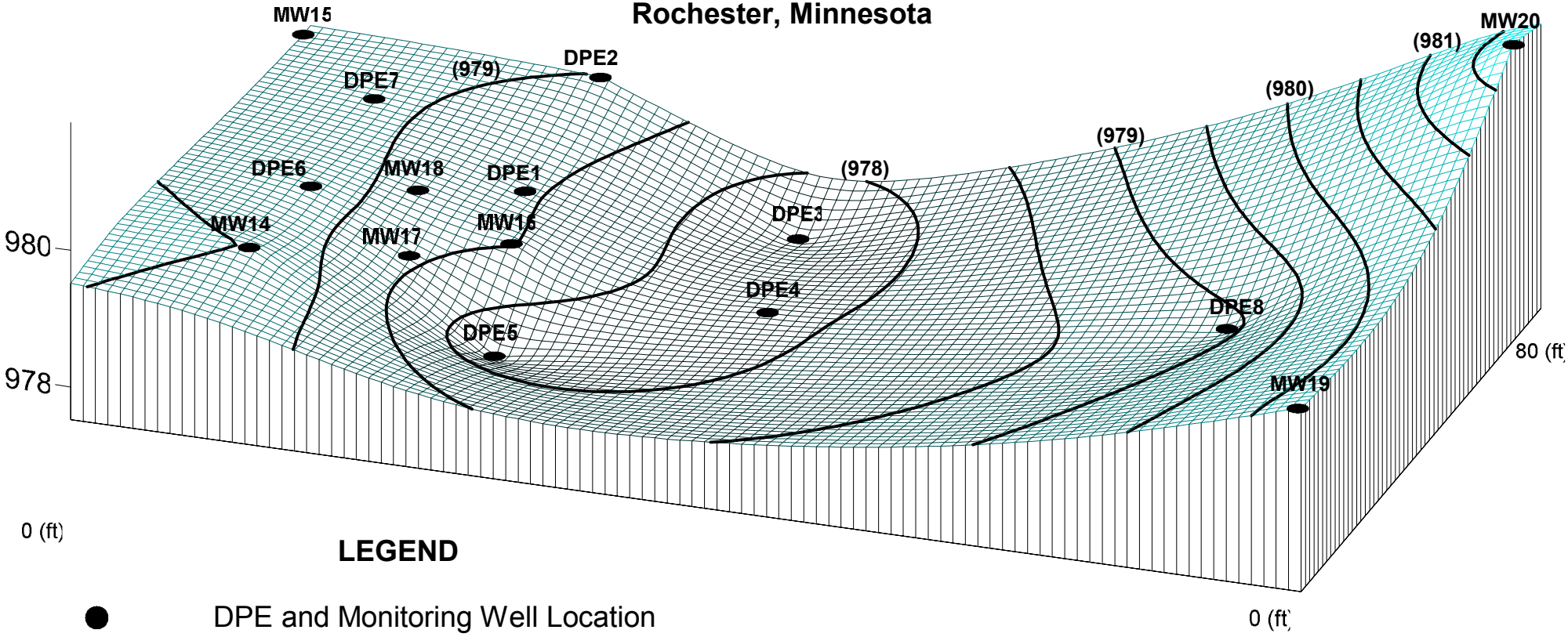


1. MW-17 and 18 are not shallow wells; therefore, the data from these wells was not used in the contouring calculations.

ATTACHMENT A FIGURE 1B

3D GROUNDWATER FLOW INTERPRETATION
July 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)

982 981.5 981 980.5 980 979.5 979 978.5 978 977.5 977

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: 5/23/13
TIME:
RECORDED BY: 16:00

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

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

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

ANALOG PANEL READINGS
DPE PUMP AIR FLOW (SCFM): 40 #3
DPE WELL VACUUM (IN. HG): 19.4
DPE PUMP INLET VACUUM (IN. HG): 20.59
DPE PUMP OUTLET PRESSURE (PSI): .02
DPE PUMP OUTLET TEMP (DEG. F): 245
MS PUMP WATER FLOW (GPM): 12.6

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 25691
MS PUMP (HRS): 1950
MS VACUUM VALVE (HRS): 634
AIR STRIPPER BLOWER (HRS): 11032
AIR STRIPPER PUMP (HRS): 714
DPE AIR FLOW (SCF): 100050000
MS PUMP WATER FLOW (GAL): 1941137
SUMP PUMP WATER FLOW (GAL): 610

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 120 / @ well
PRE-MANIFOLD VACUUM (IN. HG): 20.5
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 20.0
POST-MS-1 VACUUM (IN. HG): 18
POST-MS-2 VACUUM (IN. HG): 20
DPE PUMP AIR FLOW (SCFM): 40
DPE EXHAUST PID CONC. (PPM): 123
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 224

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.3
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 15
MS PUMP FLOW TOTALIZER READING (GAL): 363736

AS EXHAUST PRESSURE (IN. H20): 8
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 16
AS BLOWER PRESSURE (IN. H20): 19
AS EXHAUST PID (PPM): ND

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	8.56
MW-15	4	18	11.07
MW-16	10	18	8.92
MW-17	7	25	10.19
MW-18	6	60	11.09
MW-19	1	20	9.74
MW-20	8	16.7	7.39
DPE-1	15	21.9	11.34
DPE-2	13	20.5	12.15
DPE-3	14	17.1	11.68
DPE-4	12	19.3	12.22
DPE-5	9	18.1	11.18
DPE-6	5	19.5	11.44
DPE-7	2	22.2	13:00
DPE-8	11	17.5	12.19
Sump	1	7.74	4.07

OPERATING WATER LEVELS

DPE-1	21.5
DPE-2	20.6
DPE-3	17.2
DPE-4	19.2
DPE-5	18.0
DPE-6	19.3
DPE-7	22.1
DPE-8	17.5

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

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:
TIME:
RECORDED BY:

Start ~~13:25~~ 14:25

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	18.6 /	30.6 /	18.8 /	50 /
DPE-2	12.7 /	24.7 /	19.2 /	~~50~~ 120 /
DPE-3	123. /	37 /	A.4 /	120 /
DPE-4	641.3 /	39 /	17.2 /	110 /
DPE-5	16.1 /	52 /	19.0 /	95 /
DPE-6	11.9 /	37 /	19.6 /	95 /
DPE-7	7.9 /	40	19.7	35 /
DPE-8	13.9 /	50.6	19.2	75

5/23/13 AS - IN - 12:30

AS - out 12:35

-31 CAN start @ 15:16

CAN # 961

Well Casing -

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: _____

Field Represenative: _____

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	✓	
- Change Oil - MONTHLY		out of oil
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY	✓	
- 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	NA	
- Replace Transfer Pump Stator - SEMI-ANNUALLY	NA	
- Clean Discharge Flow Meter - SEMI-ANNUALLY	NA	
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED		
- 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		Replaced #2+4
- Clean - AS NEEDED	✓	

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

- Rebuild - 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: February 25, 2013

Station: Sample time: 06:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	11.07		19.2	701	7.92	-61	4.4	
Water depth[1]:	6.43							
Well volume (gal):	1.04							
Purge method:	2" SUB							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments:	1.0 gallon dry					
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-15 Date: February 25, 2013

Station: Sample time: 05:00

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	8.56		20.1	5007	7.53	-41	3.36	
Water depth[1]:	9.44							
Well volume (gal):	1.5							
Purge method:	2" sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 1.5 gallons dry						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-16 Date: February 25, 2013

Station: Sample time: 9:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	8.92		19.1	2160	7.02	-21	1.91	
Water depth[1]:	9.08		19.1	2160	7.02	-20	1.92	
Well volume (gal):	1.4		19.1	2161	7.02	-19	1.92	
Purge method:	2" sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:	cloudy					
Volume purged:		Sample appearance:	cloudy					
Duplicate collected?		Comments:						
Sampled by:								
Others present:			Well Condition					
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-17 Date: February 25, 2013

Station: 25 Sample time: 0800

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	10.19		19.3	1421	7.99	-64	1,93	
Water depth[1]:	14.81		19.2	1400	7.99	-61	1.66	
Well volume (gal):	2.4		19.2	1396	7.92	-58	1.62	
Purge method:	2" Sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:	clear					
Volume purged:		Sample appearance:	clear					
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: February 25, 2013

Station: Sample time: 0730

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	11.09		19.1	2161	7.62	-16	1.08	
Water depth[1]:	48.91		19.5	2120	7.67	-16	1.06	
Well volume (gal):	7.9		19.6	2121	7.67	-16	1.06	
Purge method:	2" sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:	- fuel					
Rate, gpm:		Purge appearance:	cloudy					
Volume purged:		Sample appearance:	cloudy					
Duplicate collected?		Comments:						
Sampled by:								
Others present:			Well Condition					
Analysis:	(VOC) filtered metal ml filter in-line filter others:							

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

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-12

Location: MW-19 Date: February 25, 2013

Station: Sample time: 05:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	9.74		17.2	4673	6.63	-40	0.63	
Water depth[1]:	10.26							
Well volume (gal):	1.6							
Purge method:	2" sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: 1.5 gallon dry						
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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: February 25, 2013

Station: Sample time: 09:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	7.39		19.35	6325	6.96	-12	2.83	
Water depth[1]:	9.31							
Well volume (gal):	1.5							
Purge method:	2" Sub							
Sample Method:								
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:						
Volume purged:		Sample appearance:						
Duplicate collected?		Comments: dry 1.5 J						
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-13

Location: Multiple Location Date: February 25, 2013

Station: _____ Sample time: _____

Multiple Sampling Log:		Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	
Location:			19.2					
DPE-1:	11:30		18.8	4945	7.69	-49	3.63	
DPE-2:	10:30		18.8	5181	7.52	-40	4.87	
DPE-3:	11:00		18.4	7742	7.02	-47	3.12	
DPE-4:	10:00		19.	4272	6.34	-73	1.78	
DPE-5:	09:00		18.85	1528	7.91	-60	1.57	
DPE-6:	0700		19.12	1414	7.86	-58	3.96	
DPE-7:	06:00		19.6	2289	7.28	-28	2.98	
DPE-8:	06:30		19.9	6720	7.35	-32	4.30	
Rate, gpm:								
Volume purged:								
Duplicate collected?								
Sampled by:								
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

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

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

DATE: 6/26/13
TIME:
RECORDED BY:

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

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

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

ANALOG PANEL READINGS #4 10:40
DPE PUMP AIR FLOW (SCFM): 56.3
DPE WELL VACUUM (IN. HG): 20.39
DPE PUMP INLET VACUUM (IN. HG): 20.58
DPE PUMP OUTLET PRESSURE (PSI): .03
DPE PUMP OUTLET TEMP (DEG. F): 246
MS PUMP WATER FLOW (GPM): 1.8

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 26501
MS PUMP (HRS): 2035
MS VACUUM VALVE (HRS): 684
AIR STRIPPER BLOWER (HRS): 11713
AIR STRIPPER PUMP (HRS): 757
DPE AIR FLOW (SCF): 102418000
MS PUMP WATER FLOW (GAL): 1954470
SUMP PUMP WATER FLOW (GAL): 610

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 19
PRE-MANIFOLD VACUUM (IN. HG): 21
DPE WELL (PRE-MS-1) VACUUM (IN.HG): 21
POST-MS-1 VACUUM (IN. HG): 18
POST-MS-2 VACUUM (IN. HG): 20
DPE PUMP AIR FLOW (SCFM): 60
DPE EXHAUST PID CONC. (PPM): 1.4
DPE PUMP OUTLET PRESSURE (IN. H2O)): 0
DPE PUMP OUTLET TEMP (DEG. F): 220

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 9.0
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
MS PUMP FLOW TOTALIZER READING (GAL): 374605

AS EXHAUST PRESSURE (IN. H20): 4.0
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 20
AS BLOWER PRESSURE (IN. H20): 16
AS EXHAUST PID (PPM): ND

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	10.01
MW-15	4	18	12.37
MW-16	10	18	10.91
MW-17	7	25	10.71
MW-18	6	60	11.34
MW-19	1	20	10.93
MW-20	8	16.7	9.62
DPE-1	15	21.9	13.89
DPE-2	13	20.5	13.81
DPE-3	14	17.1	14.99
DPE-4	12	19.3	14.46
DPE-5	9	18.1	14.90
DPE-6	5	19.5	13.18
DPE-7	2	22.2	14.40
DPE-8	11	17.5	14.00 - YES
Sump	1	7.74	5.54

OPERATING WATER LEVELS
DPE-1 21.95
DPE-2 20.6
DPE-3 17.0
DPE-4 19.6
DPE-5 18.0
DPE-6 19.6
DPE-7 22.2
DPE-8 17.5

SUMP ROOM PID: ND

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

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: 6/26/13
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	11.3	27	20	45
DPE-2	3.0	34	20.7	115
DPE-3	3.1	60	19.9	125
DPE-4	1.2	56	20.3	90
DPE-5	0.0	76	10.1	115
DPE-6	0.0	54	19	80
DPE-7	0.0	56	20	30
DPE-8	1.0	69	19.8	60

= 30 @ 9:00 — 15:00 · 6

CAN # 1086

AS - FN 9:00

AS - EF 9:05

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: _____

Field Represenative: _____

	Check Box	OBSERVATIONS AND/OR DESCRIPTION OF MAINTENANCE PERFORMED
DPE Pump Maintenance		
- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY	✓	
- Check Oil Level (level should show at middle of site glass) - MONTHLY	✓	
- Change Oil - MONTHLY	✓	out of oil
- Clean Pump Inlet Opening - MONTHLY	✓	
Moisture Separator Maintenance		
- Clean Floats - MONTHLY	✓	
- Check Sediment - MONTHLY	✓	
- Remove Sediment - MONTHLY	NA	
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs	NA	
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs	NA	
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	NA	
- Replace Transfer Pump Stator - SEMI-ANNUALLY	NA	
- Clean Discharge Flow Meter - SEMI-ANNUALLY	NA	
Air Stripper Maintenance		
- Clean Air Stripper - ANNUALLY OR AS NEEDED	NA	
- Clean Floats - Quarterly	NA	
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY	NA	
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY	NA	
Solonoid Valve Maintenance		
- Inspect - MONTHLY		> No Parts
- Clean - AS NEEDED		

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

- Rebuild - AS NEEDED

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

June 05, 2013

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 24, 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,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

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
North Dakota Certification #: R-036A
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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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10229974001	**MW-17**	Water	05/23/13 08:00	05/24/13 13:19
10229974002	**MW-18**	Water	05/23/13 09:00	05/24/13 13:19
10229974003	**DPE-1**	Water	05/23/13 11:30	05/24/13 13:19
10229974004	**DPE-2**	Water	05/23/13 10:30	05/24/13 13:19
10229974005	**DPE-3**	Water	05/23/13 11:00	05/24/13 13:19
10229974006	**DPE-4**	Water	05/23/13 10:00	05/24/13 13:19
10229974007	**DPE-5**	Water	05/23/13 09:00	05/24/13 13:19
10229974008	**DPE-6**	Water	05/23/13 07:00	05/24/13 13:19
10229974009	**DPE-7**	Water	05/23/13 06:00	05/24/13 13:19
10229974010	**DPE-8**	Water	05/23/13 06:30	05/24/13 13:19
10229974011	**MW-15**	Water	05/23/13 05:00	05/24/13 13:19
10229974012	**MW-16**	Water	05/23/13 09:30	05/24/13 13:19
10229974013	**MW-19**	Water	05/23/13 05:30	05/24/13 13:19
10229974014	**MW-20**	Water	05/23/13 08:30	05/24/13 13:19
10229974015	**MW-14**	Water	05/23/13 06:30	05/24/13 13:19
10229974016	**TRIP BLANK**	Water	05/23/13 00:00	05/24/13 13:19

Pace Analytical Services, Inc.
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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10229974001	**MW-17**	EPA 8260	EB2, MJH	70
10229974002	**MW-18**	EPA 8260	MJH	70
10229974003	**DPE-1**	EPA 8260	EB2, MJH	70
10229974004	**DPE-2**	EPA 8260	MJH	70
10229974005	**DPE-3**	EPA 8260	MJH	70
10229974006	**DPE-4**	EPA 8260	MJH	70
10229974007	**DPE-5**	EPA 8260	EB2, MJH	70
10229974008	**DPE-6**	EPA 8260	MJH	70
10229974009	**DPE-7**	EPA 8260	MJH	70
10229974010	**DPE-8**	EPA 8260	EB2, MJH	70
10229974011	**MW-15**	EPA 8260	MJH	70
10229974012	**MW-16**	EPA 8260	CNC, MJH	70
10229974013	**MW-19**	EPA 8260	CNC	70
10229974014	**MW-20**	EPA 8260	CNC	70
10229974015	**MW-14**	EPA 8260	CNC	70
10229974016	**TRIP BLANK**	EPA 8260	CNC	70

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.: 10229974

Sample: MW-17 **Lab ID: 10229974001** Collected: 05/23/13 08:00 Received: 05/24/13 13:19 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		05/30/13 00:16	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 00:16	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 00:16	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 00:16	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 00:16	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 00:16	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 00:16	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 00:16	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 00:16	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 00:16	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	108-90-7	
Chloroethane	ND	ug/L	4.0	1		05/30/13 00:16	75-00-3	
Chloroform	**1.2**	ug/L	1.0	1		05/30/13 00:16	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 00:16	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 00:16	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 00:16	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 00:16	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 00:16	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 00:16	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 00:16	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 00:16	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 00:16	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 00:16	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 00:16	75-35-4	
cis-1,2-Dichloroethene	**2.5**	ug/L	1.0	1		05/30/13 00:16	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 00:16	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 00:16	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 00:16	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 00:16	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 00:16	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 00:16	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 00:16	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 00:16	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 00:16	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 00:16	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 00:16	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 00:16	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 00:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 00:16	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 00:16	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.: 10229974

Sample: MW-17 **Lab ID: 10229974001** Collected: 05/23/13 08:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 00:16	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 00:16	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 00:16	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 00:16	79-34-5	
Tetrachloroethene	**215**	ug/L	2.0	2		05/31/13 23:58	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 00:16	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 00:16	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:16	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 00:16	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 00:16	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/30/13 00:16	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 00:16	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 00:16	96-18-4	
1,1,2-Trichlorotrifluoroethane	**32.8**	ug/L	1.0	1		05/30/13 00:16	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 00:16	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 00:16	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 00:16	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		05/30/13 00:16	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/30/13 00:16	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/30/13 00:16	460-00-4	

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.: 10229974

Sample: MW-18 **Lab ID: 10229974002** Collected: 05/23/13 09:00 Received: 05/24/13 13:19 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		05/29/13 21:42	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/29/13 21:42	107-05-1	
Benzene	ND	ug/L	1.0	1		05/29/13 21:42	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/29/13 21:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/29/13 21:42	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/13 21:42	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/29/13 21:42	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/29/13 21:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/13 21:42	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/13 21:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	108-90-7	
Chloroethane	**20.9**	ug/L	4.0	1		05/29/13 21:42	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/13 21:42	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/29/13 21:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 21:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 21:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/29/13 21:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/13 21:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/13 21:42	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/29/13 21:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/13 21:42	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/13 21:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/13 21:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/13 21:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 21:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 21:42	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 21:42	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 21:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/29/13 21:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 21:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/29/13 21:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 21:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 21:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/29/13 21:42	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/29/13 21:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/13 21:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/29/13 21:42	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/29/13 21:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/13 21:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/13 21:42	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.: 10229974

Sample: MW-18 **Lab ID: 10229974002** Collected: 05/23/13 09:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/29/13 21:42	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	103-65-1	
Styrene	ND	ug/L	1.0	1		05/29/13 21:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 21:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 21:42	79-34-5	
Tetrachloroethene	**1.2**	ug/L	1.0	1		05/29/13 21:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/29/13 21:42	109-99-9	
Toluene	ND	ug/L	1.0	1		05/29/13 21:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 21:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/13 21:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/13 21:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/29/13 21:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 21:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/29/13 21:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/13 21:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 21:42	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/29/13 21:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/29/13 21:42	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		05/29/13 21:42	17060-07-0	
Toluene-d8 (S)	96	%	75-125	1		05/29/13 21:42	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/29/13 21:42	460-00-4	

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.: 10229974

Sample: DPE-1 **Lab ID: 10229974003** Collected: 05/23/13 11:30 Received: 05/24/13 13:19 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		05/29/13 23:30	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/29/13 23:30	107-05-1	
Benzene	ND	ug/L	1.0	1		05/29/13 23:30	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/29/13 23:30	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/29/13 23:30	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/13 23:30	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/29/13 23:30	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/29/13 23:30	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/13 23:30	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/13 23:30	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	108-90-7	
Chloroethane	ND	ug/L	4.0	1		05/29/13 23:30	75-00-3	
Chloroform	**3.5**	ug/L	1.0	1		05/29/13 23:30	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/29/13 23:30	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 23:30	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 23:30	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/29/13 23:30	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/13 23:30	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/13 23:30	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/29/13 23:30	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/13 23:30	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/13 23:30	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/13 23:30	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/13 23:30	75-35-4	
cis-1,2-Dichloroethene	**89.7**	ug/L	1.0	1		05/29/13 23:30	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 23:30	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 23:30	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 23:30	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/29/13 23:30	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 23:30	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/29/13 23:30	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 23:30	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 23:30	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/29/13 23:30	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/29/13 23:30	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/13 23:30	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/29/13 23:30	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/29/13 23:30	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/13 23:30	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/13 23:30	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.: 10229974

Sample: DPE-1 **Lab ID: 10229974003** Collected: 05/23/13 11:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/29/13 23:30	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	103-65-1	
Styrene	ND	ug/L	1.0	1		05/29/13 23:30	100-42-5	
1,1,1,2-Tetrachloroethane	**1.6**	ug/L	1.0	1		05/29/13 23:30	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 23:30	79-34-5	
Tetrachloroethene	**9840**	ug/L	50.0	50		05/31/13 22:45	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/29/13 23:30	109-99-9	
Toluene	ND	ug/L	1.0	1		05/29/13 23:30	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:30	120-82-1	
1,1,1-Trichloroethane	**6.4**	ug/L	1.0	1		05/29/13 23:30	71-55-6	
1,1,2-Trichloroethane	**1.2**	ug/L	1.0	1		05/29/13 23:30	79-00-5	
Trichloroethene	**25.9**	ug/L	1.0	1		05/29/13 23:30	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 23:30	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/29/13 23:30	96-18-4	
1,1,2-Trichlorotrifluoroethane	**145**	ug/L	50.0	50		05/31/13 22:45	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 23:30	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/29/13 23:30	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/29/13 23:30	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	97	%	75-125	1		05/29/13 23:30	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/29/13 23:30	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/29/13 23:30	460-00-4	

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.: 10229974

Sample: DPE-2 **Lab ID: 10229974004** Collected: 05/23/13 10:30 Received: 05/24/13 13:19 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		05/29/13 23:46	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/29/13 23:46	107-05-1	
Benzene	ND	ug/L	1.0	1		05/29/13 23:46	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/29/13 23:46	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/29/13 23:46	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/13 23:46	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/29/13 23:46	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/29/13 23:46	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/13 23:46	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/13 23:46	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	108-90-7	
Chloroethane	ND	ug/L	4.0	1		05/29/13 23:46	75-00-3	
Chloroform	**3.8**	ug/L	1.0	1		05/29/13 23:46	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/29/13 23:46	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 23:46	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 23:46	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/29/13 23:46	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/13 23:46	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/13 23:46	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/29/13 23:46	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/13 23:46	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/13 23:46	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/13 23:46	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/13 23:46	75-35-4	
cis-1,2-Dichloroethene	**67.8**	ug/L	1.0	1		05/29/13 23:46	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 23:46	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 23:46	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 23:46	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/29/13 23:46	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 23:46	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/29/13 23:46	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 23:46	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 23:46	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/29/13 23:46	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/29/13 23:46	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/13 23:46	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/29/13 23:46	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/29/13 23:46	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/13 23:46	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/13 23:46	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.: 10229974

Sample: DPE-2 **Lab ID: 10229974004** Collected: 05/23/13 10:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/29/13 23:46	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	103-65-1	
Styrene	ND	ug/L	1.0	1		05/29/13 23:46	100-42-5	
1,1,1,2-Tetrachloroethane	**1.3**	ug/L	1.0	1		05/29/13 23:46	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 23:46	79-34-5	
Tetrachloroethene	**7100**	ug/L	50.0	50		06/03/13 13:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/29/13 23:46	109-99-9	
Toluene	ND	ug/L	1.0	1		05/29/13 23:46	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 23:46	120-82-1	
1,1,1-Trichloroethane	**4.1**	ug/L	1.0	1		05/29/13 23:46	71-55-6	
1,1,2-Trichloroethane	**1.3**	ug/L	1.0	1		05/29/13 23:46	79-00-5	
Trichloroethene	**12.7**	ug/L	1.0	1		05/29/13 23:46	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 23:46	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/29/13 23:46	96-18-4	
1,1,2-Trichlorotrifluoroethane	**136**	ug/L	50.0	50		06/03/13 13:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 23:46	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/29/13 23:46	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/29/13 23:46	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	1		05/29/13 23:46	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/29/13 23:46	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/29/13 23:46	460-00-4	

REPORT OF LABORATORY ANALYSIS

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(612)607-1700

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: DPE-3 **Lab ID: 10229974005** Collected: 05/23/13 11:00 Received: 05/24/13 13:19 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		05/30/13 01:34	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		05/30/13 01:34	107-05-1	
Benzene	ND	ug/L	2.0	2		05/30/13 01:34	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		05/30/13 01:34	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		05/30/13 01:34	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		05/30/13 01:34	75-27-4	
Bromoform	ND	ug/L	8.0	2		05/30/13 01:34	75-25-2	
Bromomethane	ND	ug/L	8.0	2		05/30/13 01:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	2		05/30/13 01:34	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		05/30/13 01:34	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	108-90-7	
Chloroethane	ND	ug/L	8.0	2		05/30/13 01:34	75-00-3	
Chloroform	**14.6**	ug/L	2.0	2		05/30/13 01:34	67-66-3	
Chloromethane	ND	ug/L	8.0	2		05/30/13 01:34	74-87-3	
2-Chlorotoluene	**4.2**	ug/L	2.0	2		05/30/13 01:34	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		05/30/13 01:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		05/30/13 01:34	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		05/30/13 01:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		05/30/13 01:34	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		05/30/13 01:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		05/30/13 01:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		05/30/13 01:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		05/30/13 01:34	107-06-2	
1,1-Dichloroethene	**2.0**	ug/L	2.0	2		05/30/13 01:34	75-35-4	
cis-1,2-Dichloroethene	**90.2**	ug/L	2.0	2		05/30/13 01:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		05/30/13 01:34	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		05/30/13 01:34	75-43-4	
1,2-Dichloropropane	**10.0**	ug/L	8.0	2		05/30/13 01:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		05/30/13 01:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		05/30/13 01:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		05/30/13 01:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		05/30/13 01:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		05/30/13 01:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		05/30/13 01:34	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	2		05/30/13 01:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		05/30/13 01:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		05/30/13 01:34	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		05/30/13 01:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		05/30/13 01:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		05/30/13 01:34	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: DPE-3 **Lab ID: 10229974005** Collected: 05/23/13 11:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	8.0	2		05/30/13 01:34	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	103-65-1	
Styrene	ND	ug/L	2.0	2		05/30/13 01:34	100-42-5	
1,1,1,2-Tetrachloroethane	**4.9**	ug/L	2.0	2		05/30/13 01:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		05/30/13 01:34	79-34-5	
Tetrachloroethene	**61800**	ug/L	1000	1000		06/03/13 12:53	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		05/30/13 01:34	109-99-9	
Toluene	ND	ug/L	2.0	2		05/30/13 01:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		05/30/13 01:34	120-82-1	
1,1,1-Trichloroethane	**38.7**	ug/L	2.0	2		05/30/13 01:34	71-55-6	
1,1,2-Trichloroethane	**2.1**	ug/L	2.0	2		05/30/13 01:34	79-00-5	
Trichloroethene	**68.2**	ug/L	2.0	2		05/30/13 01:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		05/30/13 01:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	2		05/30/13 01:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	**6020**	ug/L	1000	1000		06/03/13 12:53	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		05/30/13 01:34	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		05/30/13 01:34	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		05/30/13 01:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	75-125	2		05/30/13 01:34	17060-07-0	
Toluene-d8 (S)	97	%	75-125	2		05/30/13 01:34	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	2		05/30/13 01:34	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: DPE-4 **Lab ID: 10229974006** Collected: 05/23/13 10:00 Received: 05/24/13 13:19 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		06/01/13 22:47	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		06/01/13 22:47	107-05-1	
Benzene	ND	ug/L	2.0	2		06/01/13 22:47	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		06/01/13 22:47	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		06/01/13 22:47	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		06/01/13 22:47	75-27-4	
Bromoform	ND	ug/L	8.0	2		06/01/13 22:47	75-25-2	
Bromomethane	ND	ug/L	8.0	2		06/01/13 22:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	10.0	2		06/01/13 22:47	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	98-06-6	
Carbon tetrachloride	ND	ug/L	2.0	2		06/01/13 22:47	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	108-90-7	
Chloroethane	ND	ug/L	2.0	2		06/01/13 22:47	75-00-3	
Chloroform	**7.1**	ug/L	2.0	2		06/01/13 22:47	67-66-3	
Chloromethane	ND	ug/L	8.0	2		06/01/13 22:47	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		06/01/13 22:47	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		06/01/13 22:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		06/01/13 22:47	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		06/01/13 22:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		06/01/13 22:47	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		06/01/13 22:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		06/01/13 22:47	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		06/01/13 22:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		06/01/13 22:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		06/01/13 22:47	75-35-4	
cis-1,2-Dichloroethene	**24.4**	ug/L	2.0	2		06/01/13 22:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		06/01/13 22:47	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		06/01/13 22:47	75-43-4	
1,2-Dichloropropane	ND	ug/L	8.0	2		06/01/13 22:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		06/01/13 22:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		06/01/13 22:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		06/01/13 22:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		06/01/13 22:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		06/01/13 22:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		06/01/13 22:47	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	10.0	2		06/01/13 22:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		06/01/13 22:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		06/01/13 22:47	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		06/01/13 22:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	10.0	2		06/01/13 22:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		06/01/13 22:47	1634-04-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: DPE-4 **Lab ID: 10229974006** Collected: 05/23/13 10:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	8.0	2		06/01/13 22:47	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	103-65-1	
Styrene	ND	ug/L	2.0	2		06/01/13 22:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		06/01/13 22:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		06/01/13 22:47	79-34-5	
Tetrachloroethene	**13700**	ug/L	200	200		06/03/13 13:05	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		06/01/13 22:47	109-99-9	
Toluene	ND	ug/L	2.0	2		06/01/13 22:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		06/01/13 22:47	120-82-1	
1,1,1-Trichloroethane	**7.6**	ug/L	2.0	2		06/01/13 22:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		06/01/13 22:47	79-00-5	
Trichloroethene	**19.5**	ug/L	2.0	2		06/01/13 22:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		06/01/13 22:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	8.0	2		06/01/13 22:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	**449**	ug/L	50.0	50		06/03/13 09:15	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		06/01/13 22:47	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		06/01/13 22:47	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		06/01/13 22:47	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	106	%	75-125	2		06/01/13 22:47	17060-07-0	
Toluene-d8 (S)	97	%	75-125	2		06/01/13 22:47	2037-26-5	
4-Bromofluorobenzene (S)	105	%	75-125	2		06/01/13 22:47	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: DPE-5 **Lab ID: 10229974007** Collected: 05/23/13 09:00 Received: 05/24/13 13:19 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		05/30/13 00:01	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 00:01	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 00:01	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 00:01	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 00:01	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 00:01	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 00:01	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 00:01	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 00:01	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 00:01	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	108-90-7	
Chloroethane	ND	ug/L	4.0	1		05/30/13 00:01	75-00-3	
Chloroform	**1.7**	ug/L	1.0	1		05/30/13 00:01	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 00:01	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 00:01	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 00:01	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 00:01	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 00:01	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 00:01	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 00:01	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 00:01	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 00:01	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 00:01	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 00:01	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 00:01	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 00:01	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 00:01	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 00:01	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 00:01	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 00:01	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 00:01	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 00:01	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 00:01	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 00:01	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 00:01	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 00:01	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 00:01	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 00:01	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 00:01	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 00:01	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.: 10229974

Sample: DPE-5 **Lab ID: 10229974007** Collected: 05/23/13 09:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 00:01	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 00:01	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 00:01	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 00:01	79-34-5	
Tetrachloroethene	**405**	ug/L	5.0	5		05/31/13 23:33	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 00:01	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 00:01	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 00:01	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 00:01	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 00:01	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/30/13 00:01	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 00:01	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 00:01	96-18-4	
1,1,2-Trichlorotrifluoroethane	**48.0**	ug/L	1.0	1		05/30/13 00:01	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 00:01	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 00:01	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 00:01	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		05/30/13 00:01	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/30/13 00:01	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/30/13 00:01	460-00-4	

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.: 10229974

Sample: DPE-6 **Lab ID: 10229974008** Collected: 05/23/13 07:00 Received: 05/24/13 13:19 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		06/01/13 19:10	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/01/13 19:10	107-05-1	
Benzene	ND	ug/L	1.0	1		06/01/13 19:10	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/01/13 19:10	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/01/13 19:10	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/01/13 19:10	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/01/13 19:10	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/01/13 19:10	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/01/13 19:10	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		06/01/13 19:10	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/01/13 19:10	75-00-3	
Chloroform	**1.6**	ug/L	1.0	1		06/01/13 19:10	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/01/13 19:10	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/01/13 19:10	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/01/13 19:10	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/01/13 19:10	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/01/13 19:10	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/01/13 19:10	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		06/01/13 19:10	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/01/13 19:10	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/01/13 19:10	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/01/13 19:10	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:10	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:10	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:10	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		06/01/13 19:10	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/01/13 19:10	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/01/13 19:10	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/01/13 19:10	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/01/13 19:10	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/01/13 19:10	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/01/13 19:10	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/01/13 19:10	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		06/01/13 19:10	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/01/13 19:10	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/01/13 19:10	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		06/01/13 19:10	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/01/13 19:10	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/01/13 19:10	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.: 10229974

Sample: DPE-6 **Lab ID: 10229974008** Collected: 05/23/13 07:00 Received: 05/24/13 13:19 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		06/01/13 19:10	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	103-65-1	
Styrene	ND	ug/L	1.0	1		06/01/13 19:10	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/01/13 19:10	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/01/13 19:10	79-34-5	
Tetrachloroethene	**6.2**	ug/L	1.0	1		06/01/13 19:10	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/01/13 19:10	109-99-9	
Toluene	ND	ug/L	1.0	1		06/01/13 19:10	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:10	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/01/13 19:10	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/01/13 19:10	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/01/13 19:10	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/01/13 19:10	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/01/13 19:10	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.1**	ug/L	1.0	1		06/01/13 19:10	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/01/13 19:10	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		06/01/13 19:10	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/01/13 19:10	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		06/01/13 19:10	17060-07-0	
Toluene-d8 (S)	101	%	75-125	1		06/01/13 19:10	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		06/01/13 19:10	460-00-4	

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.: 10229974

Sample: DPE-7 **Lab ID: 10229974009** Collected: 05/23/13 06:00 Received: 05/24/13 13:19 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		06/01/13 19:34	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		06/01/13 19:34	107-05-1	
Benzene	ND	ug/L	1.0	1		06/01/13 19:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		06/01/13 19:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		06/01/13 19:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		06/01/13 19:34	75-27-4	
Bromoform	ND	ug/L	4.0	1		06/01/13 19:34	75-25-2	
Bromomethane	ND	ug/L	4.0	1		06/01/13 19:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		06/01/13 19:34	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		06/01/13 19:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		06/01/13 19:34	75-00-3	
Chloroform	ND	ug/L	1.0	1		06/01/13 19:34	67-66-3	
Chloromethane	ND	ug/L	4.0	1		06/01/13 19:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		06/01/13 19:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		06/01/13 19:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		06/01/13 19:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		06/01/13 19:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		06/01/13 19:34	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		06/01/13 19:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		06/01/13 19:34	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		06/01/13 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		06/01/13 19:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		06/01/13 19:34	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		06/01/13 19:34	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		06/01/13 19:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		06/01/13 19:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		06/01/13 19:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		06/01/13 19:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		06/01/13 19:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		06/01/13 19:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		06/01/13 19:34	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		06/01/13 19:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		06/01/13 19:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		06/01/13 19:34	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		06/01/13 19:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		06/01/13 19:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		06/01/13 19:34	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.: 10229974

Sample: DPE-7 **Lab ID: 10229974009** Collected: 05/23/13 06:00 Received: 05/24/13 13:19 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		06/01/13 19:34	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	103-65-1	
Styrene	ND	ug/L	1.0	1		06/01/13 19:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		06/01/13 19:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		06/01/13 19:34	79-34-5	
Tetrachloroethene	**1.6**	ug/L	1.0	1		06/01/13 19:34	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		06/01/13 19:34	109-99-9	
Toluene	ND	ug/L	1.0	1		06/01/13 19:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		06/01/13 19:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		06/01/13 19:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		06/01/13 19:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		06/01/13 19:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		06/01/13 19:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		06/01/13 19:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		06/01/13 19:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		06/01/13 19:34	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		06/01/13 19:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		06/01/13 19:34	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		06/01/13 19:34	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		06/01/13 19:34	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	1		06/01/13 19:34	460-00-4	

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.: 10229974

Sample: DPE-8 **Lab ID: 10229974010** Collected: 05/23/13 06:30 Received: 05/24/13 13:19 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		05/30/13 01:19	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		05/30/13 01:19	107-05-1	
Benzene	ND	ug/L	5.0	5		05/30/13 01:19	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		05/30/13 01:19	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		05/30/13 01:19	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		05/30/13 01:19	75-27-4	
Bromoform	ND	ug/L	20.0	5		05/30/13 01:19	75-25-2	
Bromomethane	ND	ug/L	20.0	5		05/30/13 01:19	74-83-9	
2-Butanone (MEK)	ND	ug/L	25.0	5		05/30/13 01:19	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	98-06-6	
Carbon tetrachloride	ND	ug/L	5.0	5		05/30/13 01:19	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	108-90-7	
Chloroethane	ND	ug/L	20.0	5		05/30/13 01:19	75-00-3	
Chloroform	ND	ug/L	5.0	5		05/30/13 01:19	67-66-3	
Chloromethane	ND	ug/L	20.0	5		05/30/13 01:19	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		05/30/13 01:19	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		05/30/13 01:19	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		05/30/13 01:19	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		05/30/13 01:19	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		05/30/13 01:19	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		05/30/13 01:19	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		05/30/13 01:19	75-71-8	
1,1-Dichloroethane	ND	ug/L	5.0	5		05/30/13 01:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		05/30/13 01:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		05/30/13 01:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		05/30/13 01:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		05/30/13 01:19	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		05/30/13 01:19	75-43-4	
1,2-Dichloropropane	ND	ug/L	20.0	5		05/30/13 01:19	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		05/30/13 01:19	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		05/30/13 01:19	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		05/30/13 01:19	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		05/30/13 01:19	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		05/30/13 01:19	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		05/30/13 01:19	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	25.0	5		05/30/13 01:19	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		05/30/13 01:19	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		05/30/13 01:19	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		05/30/13 01:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	25.0	5		05/30/13 01:19	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		05/30/13 01:19	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.: 10229974

Sample: DPE-8 **Lab ID: 10229974010** Collected: 05/23/13 06:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	20.0	5		05/30/13 01:19	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	103-65-1	
Styrene	ND	ug/L	5.0	5		05/30/13 01:19	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		05/30/13 01:19	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		05/30/13 01:19	79-34-5	
Tetrachloroethene	**4240**	ug/L	25.0	25		06/01/13 00:22	127-18-4	
Tetrahydrofuran	**112**	ug/L	50.0	5		05/30/13 01:19	109-99-9	
Toluene	ND	ug/L	5.0	5		05/30/13 01:19	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		05/30/13 01:19	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		05/30/13 01:19	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		05/30/13 01:19	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		05/30/13 01:19	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		05/30/13 01:19	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	20.0	5		05/30/13 01:19	96-18-4	
1,1,2-Trichlorotrifluoroethane	**237**	ug/L	5.0	5		05/30/13 01:19	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		05/30/13 01:19	108-67-8	
Vinyl chloride	ND	ug/L	2.0	5		05/30/13 01:19	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		05/30/13 01:19	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	75-125	5		05/30/13 01:19	17060-07-0	
Toluene-d8 (S)	96	%	75-125	5		05/30/13 01:19	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	5		05/30/13 01:19	460-00-4	

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.: 10229974

Sample: MW-15 **Lab ID: 10229974011** Collected: 05/23/13 05:00 Received: 05/24/13 13:19 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		05/29/13 22:13	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/29/13 22:13	107-05-1	
Benzene	ND	ug/L	1.0	1		05/29/13 22:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/29/13 22:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/29/13 22:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/29/13 22:13	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/29/13 22:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/29/13 22:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/29/13 22:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/29/13 22:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	108-90-7	
Chloroethane	ND	ug/L	4.0	1		05/29/13 22:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/29/13 22:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/29/13 22:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 22:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/29/13 22:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/29/13 22:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/29/13 22:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/29/13 22:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/29/13 22:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/29/13 22:13	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/29/13 22:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/29/13 22:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/29/13 22:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 22:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/29/13 22:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 22:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 22:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/29/13 22:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/29/13 22:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/29/13 22:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 22:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/29/13 22:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/29/13 22:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/29/13 22:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/29/13 22:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/29/13 22:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/29/13 22:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/29/13 22:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/29/13 22:13	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.: 10229974

Sample: MW-15 **Lab ID: 10229974011** Collected: 05/23/13 05:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/29/13 22:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	103-65-1	
Styrene	ND	ug/L	1.0	1		05/29/13 22:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 22:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/29/13 22:13	79-34-5	
Tetrachloroethene	**3.9**	ug/L	1.0	1		05/29/13 22:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/29/13 22:13	109-99-9	
Toluene	ND	ug/L	1.0	1		05/29/13 22:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/29/13 22:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/29/13 22:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/29/13 22:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/29/13 22:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/29/13 22:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/29/13 22:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/29/13 22:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/29/13 22:13	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/29/13 22:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/29/13 22:13	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		05/29/13 22:13	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		05/29/13 22:13	2037-26-5	
4-Bromofluorobenzene (S)	101	%	75-125	1		05/29/13 22:13	460-00-4	

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.: 10229974

Sample: MW-16 **Lab ID: 10229974012** Collected: 05/23/13 09:30 Received: 05/24/13 13:19 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		05/30/13 17:41	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 17:41	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 17:41	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 17:41	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 17:41	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 17:41	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 17:41	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 17:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 17:41	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 17:41	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/30/13 17:41	75-00-3	
Chloroform	**4.5**	ug/L	1.0	1		05/30/13 17:41	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 17:41	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 17:41	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 17:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 17:41	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 17:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 17:41	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 17:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 17:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 17:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 17:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 17:41	75-35-4	
cis-1,2-Dichloroethene	**91.8**	ug/L	1.0	1		05/30/13 17:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 17:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 17:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 17:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 17:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 17:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 17:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 17:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 17:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 17:41	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 17:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 17:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 17:41	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 17:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 17:41	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-16 **Lab ID: 10229974012** Collected: 05/23/13 09:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 17:41	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 17:41	79-34-5	
Tetrachloroethene	**7450**	ug/L	50.0	50		06/01/13 22:23	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 17:41	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 17:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:41	120-82-1	
1,1,1-Trichloroethane	**10.7**	ug/L	1.0	1		05/30/13 17:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 17:41	79-00-5	
Trichloroethene	**25.1**	ug/L	1.0	1		05/30/13 17:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 17:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 17:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1050**	ug/L	50.0	50		06/01/13 22:23	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 17:41	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 17:41	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 17:41	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	75-125	1		05/30/13 17:41	17060-07-0	HS
Toluene-d8 (S)	101	%	75-125	1		05/30/13 17:41	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125	1		05/30/13 17:41	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-19 **Lab ID: 10229974013** Collected: 05/23/13 05:30 Received: 05/24/13 13:19 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		05/30/13 11:22	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 11:22	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 11:22	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 11:22	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 11:22	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 11:22	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 11:22	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 11:22	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 11:22	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 11:22	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/30/13 11:22	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/30/13 11:22	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 11:22	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 11:22	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 11:22	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 11:22	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 11:22	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 11:22	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 11:22	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 11:22	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 11:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 11:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 11:22	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 11:22	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 11:22	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 11:22	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 11:22	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 11:22	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 11:22	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 11:22	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 11:22	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 11:22	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 11:22	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 11:22	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 11:22	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 11:22	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 11:22	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 11:22	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 11:22	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-19 **Lab ID: 10229974013** Collected: 05/23/13 05:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 11:22	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 11:22	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 11:22	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 11:22	79-34-5	
Tetrachloroethene	**3.0**	ug/L	1.0	1		05/30/13 11:22	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 11:22	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 11:22	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 11:22	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 11:22	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 11:22	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/30/13 11:22	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 11:22	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 11:22	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/30/13 11:22	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 11:22	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 11:22	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 11:22	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		05/30/13 11:22	17060-07-0	
Toluene-d8 (S)	103	%	75-125	1		05/30/13 11:22	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		05/30/13 11:22	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-20 **Lab ID: 10229974014** Collected: 05/23/13 08:30 Received: 05/24/13 13:19 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		05/30/13 13:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 13:04	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 13:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 13:04	108-86-1	M1
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 13:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 13:04	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 13:04	75-25-2	M1
Bromomethane	ND	ug/L	4.0	1		05/30/13 13:04	74-83-9	M1
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 13:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	135-98-8	M1
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	98-06-6	M1
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 13:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/30/13 13:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/30/13 13:04	67-66-3	M1
Chloromethane	ND	ug/L	4.0	1		05/30/13 13:04	74-87-3	M1
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 13:04	95-49-8	M1
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 13:04	106-43-4	M1
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 13:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 13:04	124-48-1	M1
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 13:04	106-93-4	M1
Dibromomethane	ND	ug/L	4.0	1		05/30/13 13:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	95-50-1	M1
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	541-73-1	M1
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 13:04	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 13:04	75-34-3	M1
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 13:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 13:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 13:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 13:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 13:04	75-43-4	M1
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 13:04	78-87-5	M1
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 13:04	142-28-9	M1
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 13:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 13:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 13:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 13:04	10061-02-6	M1
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 13:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 13:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 13:04	98-82-8	M1
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 13:04	99-87-6	M1
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 13:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 13:04	108-10-1	M1
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 13:04	1634-04-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-20 **Lab ID: 10229974014** Collected: 05/23/13 08:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 13:04	91-20-3	M1
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 13:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 13:04	630-20-6	M1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 13:04	79-34-5	M1
Tetrachloroethene	**198**	ug/L	1.0	1		05/30/13 13:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 13:04	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 13:04	108-88-3	M1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 13:04	120-82-1	M1
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 13:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 13:04	79-00-5	M1
Trichloroethene	ND	ug/L	1.0	1		05/30/13 13:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 13:04	75-69-4	M1
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 13:04	96-18-4	M1
1,1,2-Trichlorotrifluoroethane	**18.0**	ug/L	1.0	1		05/30/13 13:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 13:04	108-67-8	M1
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 13:04	75-01-4	M1
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 13:04	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	75-125	1		05/30/13 13:04	17060-07-0	
Toluene-d8 (S)	105	%	75-125	1		05/30/13 13:04	2037-26-5	
4-Bromofluorobenzene (S)	102	%	75-125	1		05/30/13 13:04	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Sample: MW-14 **Lab ID: 10229974015** Collected: 05/23/13 06:30 Received: 05/24/13 13:19 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		05/30/13 17:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 17:17	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 17:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 17:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 17:17	74-97-5	
Bromodichloromethane	**1.5**	ug/L	1.0	1		05/30/13 17:17	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 17:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 17:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 17:17	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 17:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/30/13 17:17	75-00-3	
Chloroform	**3.5**	ug/L	1.0	1		05/30/13 17:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 17:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 17:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 17:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 17:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 17:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 17:17	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 17:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 17:17	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 17:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 17:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 17:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 17:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 17:17	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 17:17	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 17:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 17:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 17:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 17:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 17:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 17:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 17:17	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 17:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 17:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 17:17	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 17:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 17:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 17:17	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.: 10229974

Sample: MW-14 **Lab ID: 10229974015** Collected: 05/23/13 06:30 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 17:17	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 17:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 17:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 17:17	79-34-5	
Tetrachloroethene	**2.2**	ug/L	1.0	1		05/30/13 17:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 17:17	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 17:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 17:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 17:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 17:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/30/13 17:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 17:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 17:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/30/13 17:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 17:17	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 17:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 17:17	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	107	%	75-125	1		05/30/13 17:17	17060-07-0	
Toluene-d8 (S)	102	%	75-125	1		05/30/13 17:17	2037-26-5	
4-Bromofluorobenzene (S)	104	%	75-125	1		05/30/13 17:17	460-00-4	

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.: 10229974

Sample: TRIP BLANK **Lab ID: 10229974016** Collected: 05/23/13 00:00 Received: 05/24/13 13:19 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		05/30/13 10:09	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/30/13 10:09	107-05-1	
Benzene	ND	ug/L	1.0	1		05/30/13 10:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/30/13 10:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/30/13 10:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/30/13 10:09	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/30/13 10:09	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/30/13 10:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/30/13 10:09	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		05/30/13 10:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/30/13 10:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/30/13 10:09	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/30/13 10:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 10:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/30/13 10:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/30/13 10:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/30/13 10:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/30/13 10:09	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/30/13 10:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/30/13 10:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/30/13 10:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/30/13 10:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/30/13 10:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 10:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/30/13 10:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 10:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 10:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/30/13 10:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/30/13 10:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/30/13 10:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 10:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/30/13 10:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/30/13 10:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/30/13 10:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/30/13 10:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/30/13 10:09	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/30/13 10:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/30/13 10:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/30/13 10:09	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.: 10229974

Sample: TRIP BLANK **Lab ID: 10229974016** Collected: 05/23/13 00:00 Received: 05/24/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	4.0	1		05/30/13 10:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	103-65-1	
Styrene	ND	ug/L	1.0	1		05/30/13 10:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 10:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/30/13 10:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/30/13 10:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/30/13 10:09	109-99-9	
Toluene	ND	ug/L	1.0	1		05/30/13 10:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/30/13 10:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/30/13 10:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/30/13 10:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/30/13 10:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/30/13 10:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/30/13 10:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/30/13 10:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/30/13 10:09	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/30/13 10:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/30/13 10:09	1330-20-7	
Surrogates								
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		05/30/13 10:09	17060-07-0	
Toluene-d8 (S)	100	%	75-125	1		05/30/13 10:09	2037-26-5	
4-Bromofluorobenzene (S)	103	%	75-125	1		05/30/13 10:09	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.: 10229974

QC Batch: MSV/23819 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10229974001, 10229974002, 10229974003, 10229974004, 10229974005, 10229974007, 10229974010, 10229974011

METHOD BLANK: 1442352 Matrix: Water
Associated Lab Samples: 10229974001, 10229974002, 10229974003, 10229974004, 10229974005, 10229974007, 10229974010, 10229974011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1-Dichloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,1-Dichloroethene	ug/L	ND	1.0	05/29/13 20:25	
1,1-Dichloropropene	ug/L	ND	1.0	05/29/13 20:25	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/29/13 20:25	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/29/13 20:25	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/29/13 20:25	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/29/13 20:25	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
1,2-Dichloroethane	ug/L	ND	1.0	05/29/13 20:25	
1,2-Dichloropropane	ug/L	ND	4.0	05/29/13 20:25	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/29/13 20:25	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
1,3-Dichloropropane	ug/L	ND	1.0	05/29/13 20:25	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
2,2-Dichloropropane	ug/L	ND	4.0	05/29/13 20:25	
2-Butanone (MEK)	ug/L	ND	5.0	05/29/13 20:25	
2-Chlorotoluene	ug/L	ND	1.0	05/29/13 20:25	
4-Chlorotoluene	ug/L	ND	1.0	05/29/13 20:25	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/29/13 20:25	
Acetone	ug/L	ND	20.0	05/29/13 20:25	
Allyl chloride	ug/L	ND	4.0	05/29/13 20:25	
Benzene	ug/L	ND	1.0	05/29/13 20:25	
Bromobenzene	ug/L	ND	1.0	05/29/13 20:25	
Bromochloromethane	ug/L	ND	1.0	05/29/13 20:25	
Bromodichloromethane	ug/L	ND	1.0	05/29/13 20:25	
Bromoform	ug/L	ND	4.0	05/29/13 20:25	
Bromomethane	ug/L	ND	4.0	05/29/13 20:25	
Carbon tetrachloride	ug/L	ND	1.0	05/29/13 20:25	
Chlorobenzene	ug/L	ND	1.0	05/29/13 20:25	
Chloroethane	ug/L	ND	4.0	05/29/13 20:25	
Chloroform	ug/L	ND	1.0	05/29/13 20:25	
Chloromethane	ug/L	ND	4.0	05/29/13 20:25	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/29/13 20:25	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/29/13 20:25	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

METHOD BLANK: 1442352 Matrix: Water

Associated Lab Samples: 10229974001, 10229974002, 10229974003, 10229974004, 10229974005, 10229974007, 10229974010, 10229974011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromochloromethane	ug/L	ND	1.0	05/29/13 20:25	
Dibromomethane	ug/L	ND	4.0	05/29/13 20:25	
Dichlorodifluoromethane	ug/L	ND	1.0	05/29/13 20:25	
Dichlorofluoromethane	ug/L	ND	1.0	05/29/13 20:25	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/29/13 20:25	
Ethylbenzene	ug/L	ND	1.0	05/29/13 20:25	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/29/13 20:25	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/29/13 20:25	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/29/13 20:25	
Methylene Chloride	ug/L	ND	4.0	05/29/13 20:25	
n-Butylbenzene	ug/L	ND	1.0	05/29/13 20:25	
n-Propylbenzene	ug/L	ND	1.0	05/29/13 20:25	
Naphthalene	ug/L	ND	4.0	05/29/13 20:25	
p-Isopropyltoluene	ug/L	ND	1.0	05/29/13 20:25	
sec-Butylbenzene	ug/L	ND	1.0	05/29/13 20:25	
Styrene	ug/L	ND	1.0	05/29/13 20:25	
tert-Butylbenzene	ug/L	ND	1.0	05/29/13 20:25	
Tetrachloroethene	ug/L	ND	1.0	05/29/13 20:25	
Tetrahydrofuran	ug/L	ND	10.0	05/29/13 20:25	
Toluene	ug/L	ND	1.0	05/29/13 20:25	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/29/13 20:25	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/29/13 20:25	
Trichloroethene	ug/L	ND	1.0	05/29/13 20:25	
Trichlorofluoromethane	ug/L	ND	1.0	05/29/13 20:25	
Vinyl chloride	ug/L	ND	0.40	05/29/13 20:25	
Xylene (Total)	ug/L	ND	3.0	05/29/13 20:25	
1,2-Dichloroethane-d4 (S)	%	100	75-125	05/29/13 20:25	
4-Bromofluorobenzene (S)	%	101	75-125	05/29/13 20:25	
Toluene-d8 (S)	%	98	75-125	05/29/13 20:25	

LABORATORY CONTROL SAMPLE: 1442353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	101	75-125	
1,1,1-Trichloroethane	ug/L	20	18.9	95	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	104	75-125	
1,1,2-Trichloroethane	ug/L	20	20.9	105	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.8	104	51-139	
1,1-Dichloroethane	ug/L	20	20.0	100	75-125	
1,1-Dichloroethene	ug/L	20	19.3	97	71-126	
1,1-Dichloropropene	ug/L	20	19.9	99	74-125	
1,2,3-Trichlorobenzene	ug/L	20	21.7	109	75-125	
1,2,3-Trichloropropane	ug/L	20	21.3	107	75-125	
1,2,4-Trichlorobenzene	ug/L	20	21.7	109	75-125	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

LABORATORY CONTROL SAMPLE: 1442353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	20	21.4	107	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	55.2	110	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	20.8	104	75-125	
1,2-Dichlorobenzene	ug/L	20	20.4	102	75-125	
1,2-Dichloroethane	ug/L	20	19.9	100	74-125	
1,2-Dichloropropane	ug/L	20	19.8	99	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.5	103	75-125	
1,3-Dichlorobenzene	ug/L	20	20.6	103	75-125	
1,3-Dichloropropane	ug/L	20	20.4	102	75-125	
1,4-Dichlorobenzene	ug/L	20	19.6	98	75-125	
2,2-Dichloropropane	ug/L	20	20.3	102	67-132	
2-Butanone (MEK)	ug/L	100	110	110	68-126	
2-Chlorotoluene	ug/L	20	20.3	102	74-125	
4-Chlorotoluene	ug/L	20	20.6	103	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	113	113	72-125	
Acetone	ug/L	100	122	122	69-132	
Allyl chloride	ug/L	20	19.4	97	74-125	
Benzene	ug/L	20	18.4	92	75-125	
Bromobenzene	ug/L	20	20.5	102	75-125	
Bromochloromethane	ug/L	20	18.8	94	75-125	
Bromodichloromethane	ug/L	20	20.6	103	75-125	
Bromoform	ug/L	20	21.1	105	75-126	
Bromomethane	ug/L	20	18.7	93	30-150	SS
Carbon tetrachloride	ug/L	20	19.7	99	74-127	
Chlorobenzene	ug/L	20	19.8	99	75-125	
Chloroethane	ug/L	20	19.2	96	68-132	
Chloroform	ug/L	20	19.2	96	75-125	
Chloromethane	ug/L	20	19.5	98	61-129	
cis-1,2-Dichloroethene	ug/L	20	19.4	97	75-125	
cis-1,3-Dichloropropene	ug/L	20	20.8	104	75-125	
Dibromochloromethane	ug/L	20	20.6	103	75-125	
Dibromomethane	ug/L	20	21.1	105	75-125	
Dichlorodifluoromethane	ug/L	20	20.9	105	49-137	
Dichlorofluoromethane	ug/L	20	20.0	100	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	20.2	101	75-125	
Ethylbenzene	ug/L	20	18.9	95	75-125	
Hexachloro-1,3-butadiene	ug/L	20	21.6	108	69-127	
Isopropylbenzene (Cumene)	ug/L	20	20.9	105	75-125	
Methyl-tert-butyl ether	ug/L	20	21.2	106	74-126	
Methylene Chloride	ug/L	20	17.7	89	75-125	
n-Butylbenzene	ug/L	20	20.4	102	72-126	
n-Propylbenzene	ug/L	20	20.4	102	73-125	
Naphthalene	ug/L	20	21.3	107	75-125	
p-Isopropyltoluene	ug/L	20	21.2	106	74-125	
sec-Butylbenzene	ug/L	20	20.9	104	73-125	
Styrene	ug/L	20	21.4	107	75-125	
tert-Butylbenzene	ug/L	20	20.7	103	73-125	
Tetrachloroethene	ug/L	20	19.2	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.: 10229974

LABORATORY CONTROL SAMPLE: 1442353

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrahydrofuran	ug/L	200	231	116	71-125	
Toluene	ug/L	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	74-125	
trans-1,3-Dichloropropene	ug/L	20	20.7	103	75-125	
Trichloroethene	ug/L	20	20.3	102	75-125	
Trichlorofluoromethane	ug/L	20	21.5	108	69-129	
Vinyl chloride	ug/L	20	19.4	97	70-128	
Xylene (Total)	ug/L	60	61.8	103	75-125	
1,2-Dichloroethane-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1442354

Parameter	Units	10229902001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	20.5	102	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	20.3	102	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.7	104	66-131	
1,1,2-Trichloroethane	ug/L	ND	20	20.8	104	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	26.1	130	75-150	
1,1-Dichloroethane	ug/L	ND	20	20.5	103	75-131	
1,1-Dichloroethene	ug/L	ND	20	20.9	104	75-138	
1,1-Dichloropropene	ug/L	ND	20	21.1	106	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	20.8	104	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	21.9	110	71-126	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.6	103	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	20.7	103	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	56.7	113	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.9	104	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	19.8	99	75-125	
1,2-Dichloroethane	ug/L	ND	20	20.0	100	74-128	
1,2-Dichloropropane	ug/L	ND	20	20.0	100	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	19.7	98	72-126	
1,3-Dichlorobenzene	ug/L	ND	20	19.8	99	75-125	
1,3-Dichloropropane	ug/L	ND	20	20.6	103	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	18.8	94	75-125	
2,2-Dichloropropane	ug/L	ND	20	16.9	84	71-143	
2-Butanone (MEK)	ug/L	ND	100	115	115	64-125	
2-Chlorotoluene	ug/L	ND	20	20.0	100	74-125	
4-Chlorotoluene	ug/L	ND	20	20.0	100	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	117	117	69-125	
Acetone	ug/L	ND	100	124	124	57-135	
Allyl chloride	ug/L	ND	20	20.3	101	73-134	
Benzene	ug/L	ND	20	19.3	95	70-135	
Bromobenzene	ug/L	ND	20	20.3	102	75-125	
Bromochloromethane	ug/L	ND	20	19.1	96	75-125	
Bromodichloromethane	ug/L	ND	20	20.5	102	75-125	

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.: 10229974

MATRIX SPIKE SAMPLE: 1442354

Parameter	Units	10229902001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromoform	ug/L	ND	20	20.7	104	68-133	
Bromomethane	ug/L	ND	20	20.3	101	56-150	SS
Carbon tetrachloride	ug/L	ND	20	20.8	104	75-137	
Chlorobenzene	ug/L	ND	20	19.4	97	75-125	
Chloroethane	ug/L	ND	20	19.0	95	64-150	
Chloroform	ug/L	ND	20	19.6	98	75-127	
Chloromethane	ug/L	ND	20	19.8	99	65-140	
cis-1,2-Dichloroethene	ug/L	ND	20	19.5	98	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	19.6	98	75-125	
Dibromochloromethane	ug/L	ND	20	21.0	105	75-125	
Dibromomethane	ug/L	ND	20	21.0	105	75-125	
Dichlorodifluoromethane	ug/L	ND	20	27.5	137	70-150	
Dichlorofluoromethane	ug/L	ND	20	20.4	102	69-142	
Diethyl ether (Ethyl ether)	ug/L	ND	20	20.5	102	75-125	
Ethylbenzene	ug/L	ND	20	18.7	94	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	19.7	98	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	20.5	102	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	21.0	105	70-132	
Methylene Chloride	ug/L	ND	20	18.3	89	73-125	
n-Butylbenzene	ug/L	ND	20	19.0	95	75-130	
n-Propylbenzene	ug/L	ND	20	19.5	98	75-128	
Naphthalene	ug/L	ND	20	21.5	107	73-126	
p-Isopropyltoluene	ug/L	ND	20	20.0	100	75-125	
sec-Butylbenzene	ug/L	ND	20	20.2	101	75-126	
Styrene	ug/L	ND	20	20.8	104	52-137	
tert-Butylbenzene	ug/L	ND	20	20.3	101	75-125	
Tetrachloroethene	ug/L	ND	20	19.0	95	75-130	
Tetrahydrofuran	ug/L	ND	200	228	114	69-125	
Toluene	ug/L	ND	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	20.9	104	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	20.0	100	75-125	
Trichloroethene	ug/L	ND	20	20.5	102	75-129	
Trichlorofluoromethane	ug/L	ND	20	23.5	117	75-150	
Vinyl chloride	ug/L	ND	20	20.4	102	75-147	
Xylene (Total)	ug/L	ND	60	60.4	101	75-125	
1,2-Dichloroethane-d4 (S)	%				100	75-125	
4-Bromofluorobenzene (S)	%				103	75-125	
Toluene-d8 (S)	%				99	75-125	

SAMPLE DUPLICATE: 1442355

Parameter	Units	10229902002 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	

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.: 10229974

SAMPLE DUPLICATE: 1442355

Parameter	Units	10229902002 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	.25J		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	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

SAMPLE DUPLICATE: 1442355

Parameter	Units	10229902002 Result	Dup Result	RPD	Max RPD	Qualifiers
Naphthalene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	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)	%	100	100	.4		
4-Bromofluorobenzene (S)	%	102	101	1		
Toluene-d8 (S)	%	97	98	.8		

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

QC Batch: MSV/23841 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10229974012, 10229974013, 10229974014, 10229974015, 10229974016

METHOD BLANK: 1443927 Matrix: Water
Associated Lab Samples: 10229974012, 10229974013, 10229974014, 10229974015, 10229974016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1-Dichloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,1-Dichloroethene	ug/L	ND	1.0	05/30/13 09:45	
1,1-Dichloropropene	ug/L	ND	1.0	05/30/13 09:45	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/30/13 09:45	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/30/13 09:45	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/30/13 09:45	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/30/13 09:45	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
1,2-Dichloroethane	ug/L	ND	1.0	05/30/13 09:45	
1,2-Dichloropropane	ug/L	ND	4.0	05/30/13 09:45	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/30/13 09:45	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
1,3-Dichloropropane	ug/L	ND	1.0	05/30/13 09:45	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
2,2-Dichloropropane	ug/L	ND	4.0	05/30/13 09:45	
2-Butanone (MEK)	ug/L	ND	5.0	05/30/13 09:45	
2-Chlorotoluene	ug/L	ND	1.0	05/30/13 09:45	
4-Chlorotoluene	ug/L	ND	1.0	05/30/13 09:45	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/30/13 09:45	
Acetone	ug/L	ND	20.0	05/30/13 09:45	
Allyl chloride	ug/L	ND	4.0	05/30/13 09:45	
Benzene	ug/L	ND	1.0	05/30/13 09:45	
Bromobenzene	ug/L	ND	1.0	05/30/13 09:45	
Bromochloromethane	ug/L	ND	1.0	05/30/13 09:45	
Bromodichloromethane	ug/L	ND	1.0	05/30/13 09:45	
Bromoform	ug/L	ND	4.0	05/30/13 09:45	
Bromomethane	ug/L	ND	4.0	05/30/13 09:45	
Carbon tetrachloride	ug/L	ND	1.0	05/30/13 09:45	
Chlorobenzene	ug/L	ND	1.0	05/30/13 09:45	
Chloroethane	ug/L	ND	1.0	05/30/13 09:45	
Chloroform	ug/L	ND	1.0	05/30/13 09:45	
Chloromethane	ug/L	ND	4.0	05/30/13 09:45	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/30/13 09:45	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/30/13 09:45	
Dibromochloromethane	ug/L	ND	1.0	05/30/13 09:45	
Dibromomethane	ug/L	ND	4.0	05/30/13 09:45	

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.: 10229974

METHOD BLANK: 1443927 Matrix: Water

Associated Lab Samples: 10229974012, 10229974013, 10229974014, 10229974015, 10229974016

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/30/13 09:45	
Dichlorofluoromethane	ug/L	ND	1.0	05/30/13 09:45	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/30/13 09:45	
Ethylbenzene	ug/L	ND	1.0	05/30/13 09:45	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/30/13 09:45	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/30/13 09:45	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/30/13 09:45	
Methylene Chloride	ug/L	ND	4.0	05/30/13 09:45	
n-Butylbenzene	ug/L	ND	1.0	05/30/13 09:45	
n-Propylbenzene	ug/L	ND	1.0	05/30/13 09:45	
Naphthalene	ug/L	ND	4.0	05/30/13 09:45	
p-Isopropyltoluene	ug/L	ND	1.0	05/30/13 09:45	
sec-Butylbenzene	ug/L	ND	1.0	05/30/13 09:45	
Styrene	ug/L	ND	1.0	05/30/13 09:45	
tert-Butylbenzene	ug/L	ND	1.0	05/30/13 09:45	
Tetrachloroethene	ug/L	ND	1.0	05/30/13 09:45	
Tetrahydrofuran	ug/L	ND	10.0	05/30/13 09:45	
Toluene	ug/L	ND	1.0	05/30/13 09:45	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/30/13 09:45	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/30/13 09:45	
Trichloroethene	ug/L	ND	1.0	05/30/13 09:45	
Trichlorofluoromethane	ug/L	ND	1.0	05/30/13 09:45	
Vinyl chloride	ug/L	ND	0.40	05/30/13 09:45	
Xylene (Total)	ug/L	ND	3.0	05/30/13 09:45	
1,2-Dichloroethane-d4 (S)	%	101	75-125	05/30/13 09:45	
4-Bromofluorobenzene (S)	%	103	75-125	05/30/13 09:45	
Toluene-d8 (S)	%	101	75-125	05/30/13 09:45	

LABORATORY CONTROL SAMPLE: 1443928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.2	111	75-125	
1,1,1-Trichloroethane	ug/L	20	21.5	108	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	22.4	112	75-125	
1,1,2-Trichloroethane	ug/L	20	22.0	110	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	18.1	91	51-139	
1,1-Dichloroethane	ug/L	20	22.2	111	75-125	
1,1-Dichloroethene	ug/L	20	21.0	105	71-126	
1,1-Dichloropropene	ug/L	20	21.0	105	74-125	
1,2,3-Trichlorobenzene	ug/L	20	22.8	114	75-125	
1,2,3-Trichloropropane	ug/L	20	21.1	106	75-125	
1,2,4-Trichlorobenzene	ug/L	20	23.3	117	75-125	
1,2,4-Trimethylbenzene	ug/L	20	22.0	110	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	51.7	103	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	21.7	108	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.: 10229974

LABORATORY CONTROL SAMPLE: 1443928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	22.5	112	75-125	
1,2-Dichloroethane	ug/L	20	20.5	103	74-125	
1,2-Dichloropropane	ug/L	20	22.0	110	75-125	
1,3,5-Trimethylbenzene	ug/L	20	22.1	111	75-125	
1,3-Dichlorobenzene	ug/L	20	22.1	110	75-125	
1,3-Dichloropropane	ug/L	20	22.6	113	75-125	
1,4-Dichlorobenzene	ug/L	20	21.0	105	75-125	
2,2-Dichloropropane	ug/L	20	22.4	112	67-132	
2-Butanone (MEK)	ug/L	100	91.2	91	68-126	
2-Chlorotoluene	ug/L	20	22.0	110	74-125	
4-Chlorotoluene	ug/L	20	21.7	109	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	111	111	72-125	
Acetone	ug/L	100	105	105	69-132	
Allyl chloride	ug/L	20	21.7	108	74-125	
Benzene	ug/L	20	19.5	98	75-125	
Bromobenzene	ug/L	20	22.1	110	75-125	
Bromochloromethane	ug/L	20	21.5	108	75-125	
Bromodichloromethane	ug/L	20	20.2	101	75-125	
Bromoform	ug/L	20	22.7	114	75-126	
Bromomethane	ug/L	20	24.9	125	30-150	
Carbon tetrachloride	ug/L	20	20.2	101	74-127	
Chlorobenzene	ug/L	20	21.5	108	75-125	
Chloroethane	ug/L	20	20.2	101	68-132	
Chloroform	ug/L	20	21.5	108	75-125	
Chloromethane	ug/L	20	19.8	99	61-129	
cis-1,2-Dichloroethene	ug/L	20	21.8	109	75-125	
cis-1,3-Dichloropropene	ug/L	20	19.2	96	75-125	
Dibromochloromethane	ug/L	20	22.7	113	75-125	
Dibromomethane	ug/L	20	21.1	105	75-125	
Dichlorodifluoromethane	ug/L	20	17.8	89	49-137	
Dichlorofluoromethane	ug/L	20	21.8	109	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	21.4	107	75-125	
Ethylbenzene	ug/L	20	19.8	99	75-125	
Hexachloro-1,3-butadiene	ug/L	20	22.0	110	69-127	
Isopropylbenzene (Cumene)	ug/L	20	21.6	108	75-125	
Methyl-tert-butyl ether	ug/L	20	23.2	116	74-126	
Methylene Chloride	ug/L	20	19.7	98	75-125	
n-Butylbenzene	ug/L	20	23.0	115	72-126	
n-Propylbenzene	ug/L	20	21.9	110	73-125	
Naphthalene	ug/L	20	22.9	115	75-125	
p-Isopropyltoluene	ug/L	20	22.5	112	74-125	
sec-Butylbenzene	ug/L	20	22.4	112	73-125	
Styrene	ug/L	20	21.6	108	75-125	
tert-Butylbenzene	ug/L	20	21.9	109	73-125	
Tetrachloroethene	ug/L	20	21.0	105	75-125	
Tetrahydrofuran	ug/L	200	224	112	71-125	
Toluene	ug/L	20	20.8	104	75-125	
trans-1,2-Dichloroethene	ug/L	20	21.1	105	74-125	

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.: 10229974

LABORATORY CONTROL SAMPLE: 1443928

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	22.3	112	75-125	
Trichloroethene	ug/L	20	20.7	104	75-125	
Trichlorofluoromethane	ug/L	20	21.3	106	69-129	
Vinyl chloride	ug/L	20	21.8	109	70-128	
Xylene (Total)	ug/L	60	63.1	105	75-125	
1,2-Dichloroethane-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Toluene-d8 (S)	%			103	75-125	

MATRIX SPIKE SAMPLE: 1443929

Parameter	Units	10229974014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	25.9	129	75-125	M1
1,1,1-Trichloroethane	ug/L	ND	20	26.9	134	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	27.5	138	66-131	M1
1,1,2-Trichloroethane	ug/L	ND	20	25.4	127	75-125	M1
1,1,2-Trichlorotrifluoroethane	ug/L	18.0	20	46.0	140	75-150	
1,1-Dichloroethane	ug/L	ND	20	26.8	134	75-131	M1
1,1-Dichloroethene	ug/L	ND	20	25.5	128	75-138	
1,1-Dichloropropene	ug/L	ND	20	25.9	130	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	24.8	124	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	25.4	127	71-126	M1
1,2,4-Trichlorobenzene	ug/L	ND	20	25.3	126	75-125	M1
1,2,4-Trimethylbenzene	ug/L	ND	20	25.3	126	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	62.7	125	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	25.2	126	75-125	M1
1,2-Dichlorobenzene	ug/L	ND	20	25.9	130	75-125	M1
1,2-Dichloroethane	ug/L	ND	20	24.3	121	74-128	
1,2-Dichloropropane	ug/L	ND	20	25.4	127	75-125	M1
1,3,5-Trimethylbenzene	ug/L	ND	20	25.4	127	72-126	M1
1,3-Dichlorobenzene	ug/L	ND	20	25.3	127	75-125	M1
1,3-Dichloropropane	ug/L	ND	20	26.4	132	75-125	M1
1,4-Dichlorobenzene	ug/L	ND	20	24.3	121	75-125	
2,2-Dichloropropane	ug/L	ND	20	24.6	123	71-143	
2-Butanone (MEK)	ug/L	ND	100	112	112	64-125	
2-Chlorotoluene	ug/L	ND	20	26.0	130	74-125	M1
4-Chlorotoluene	ug/L	ND	20	25.4	127	75-125	M1
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	141	141	69-125	M1
Acetone	ug/L	ND	100	114	111	57-135	
Allyl chloride	ug/L	ND	20	25.2	126	73-134	
Benzene	ug/L	ND	20	23.3	116	70-135	
Bromobenzene	ug/L	ND	20	25.4	127	75-125	M1
Bromochloromethane	ug/L	ND	20	24.6	123	75-125	
Bromodichloromethane	ug/L	ND	20	23.6	118	75-125	
Bromoform	ug/L	ND	20	26.7	134	68-133	M1
Bromomethane	ug/L	ND	20	31.0	155	56-150	M1
Carbon tetrachloride	ug/L	ND	20	25.6	128	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.: 10229974

MATRIX SPIKE SAMPLE: 1443929

Parameter	Units	10229974014 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	ND	20	24.9	125	75-125	
Chloroethane	ug/L	ND	20	26.7	133	64-150	
Chloroform	ug/L	ND	20	25.9	129	75-127	M1
Chloromethane	ug/L	ND	20	28.8	144	65-140	M1
cis-1,2-Dichloroethene	ug/L	ND	20	25.8	129	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	21.8	109	75-125	
Dibromochloromethane	ug/L	ND	20	27.0	135	75-125	M1
Dibromomethane	ug/L	ND	20	24.5	122	75-125	
Dichlorodifluoromethane	ug/L	ND	20	27.9	140	70-150	
Dichlorofluoromethane	ug/L	ND	20	28.6	143	69-142	M1
Diethyl ether (Ethyl ether)	ug/L	ND	20	24.2	121	75-125	
Ethylbenzene	ug/L	ND	20	23.6	118	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	25.2	126	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	25.2	126	75-125	M1
Methyl-tert-butyl ether	ug/L	ND	20	24.7	124	70-132	
Methylene Chloride	ug/L	ND	20	22.3	112	73-125	
n-Butylbenzene	ug/L	ND	20	25.8	129	75-130	
n-Propylbenzene	ug/L	ND	20	25.6	128	75-128	
Naphthalene	ug/L	ND	20	26.4	131	73-126	M1
p-Isopropyltoluene	ug/L	ND	20	25.5	128	75-125	M1
sec-Butylbenzene	ug/L	ND	20	26.0	130	75-126	M1
Styrene	ug/L	ND	20	23.9	120	52-137	
tert-Butylbenzene	ug/L	ND	20	25.4	127	75-125	M1
Tetrachloroethene	ug/L	198	20	214	81	75-130	
Tetrahydrofuran	ug/L	ND	200	250	125	69-125	
Toluene	ug/L	ND	20	25.3	126	75-125	M1
trans-1,2-Dichloroethene	ug/L	ND	20	25.1	125	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	26.2	131	75-125	M1
Trichloroethene	ug/L	ND	20	24.4	121	75-129	
Trichlorofluoromethane	ug/L	ND	20	30.4	152	75-150	M1
Vinyl chloride	ug/L	ND	20	29.5	148	75-147	M1
Xylene (Total)	ug/L	ND	60	74.0	123	75-125	
1,2-Dichloroethane-d4 (S)	%				101	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Toluene-d8 (S)	%				103	75-125	

SAMPLE DUPLICATE: 1443930

Parameter	Units	10229974013 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.: 10229974

SAMPLE DUPLICATE: 1443930

Parameter	Units	10229974013 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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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

SAMPLE DUPLICATE: 1443930

Parameter	Units	10229974013 Result	Dup Result	RPD	Max RPD	Qualifiers
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	3.0	2.8	7	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)	%	102	107	5		
4-Bromofluorobenzene (S)	%	102	105	3		
Toluene-d8 (S)	%	103	104	1		

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.: 10229974

QC Batch: MSV/23864 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10229974006, 10229974008, 10229974009

METHOD BLANK: 1445432 Matrix: Water
Associated Lab Samples: 10229974006, 10229974008, 10229974009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1,1-Trichloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1,2-Trichloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1-Dichloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,1-Dichloroethene	ug/L	ND	1.0	06/01/13 15:57	
1,1-Dichloropropene	ug/L	ND	1.0	06/01/13 15:57	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
1,2,3-Trichloropropane	ug/L	ND	4.0	06/01/13 15:57	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	06/01/13 15:57	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	06/01/13 15:57	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	06/01/13 15:57	
1,2-Dichlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
1,2-Dichloroethane	ug/L	ND	1.0	06/01/13 15:57	
1,2-Dichloropropane	ug/L	ND	4.0	06/01/13 15:57	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	06/01/13 15:57	
1,3-Dichlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
1,3-Dichloropropane	ug/L	ND	1.0	06/01/13 15:57	
1,4-Dichlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
2,2-Dichloropropane	ug/L	ND	4.0	06/01/13 15:57	
2-Butanone (MEK)	ug/L	ND	5.0	06/01/13 15:57	
2-Chlorotoluene	ug/L	ND	1.0	06/01/13 15:57	
4-Chlorotoluene	ug/L	ND	1.0	06/01/13 15:57	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	06/01/13 15:57	
Acetone	ug/L	ND	20.0	06/01/13 15:57	
Allyl chloride	ug/L	ND	4.0	06/01/13 15:57	
Benzene	ug/L	ND	1.0	06/01/13 15:57	
Bromobenzene	ug/L	ND	1.0	06/01/13 15:57	
Bromochloromethane	ug/L	ND	1.0	06/01/13 15:57	
Bromodichloromethane	ug/L	ND	1.0	06/01/13 15:57	
Bromoform	ug/L	ND	4.0	06/01/13 15:57	
Bromomethane	ug/L	ND	4.0	06/01/13 15:57	
Carbon tetrachloride	ug/L	ND	1.0	06/01/13 15:57	
Chlorobenzene	ug/L	ND	1.0	06/01/13 15:57	
Chloroethane	ug/L	ND	1.0	06/01/13 15:57	
Chloroform	ug/L	ND	1.0	06/01/13 15:57	
Chloromethane	ug/L	ND	4.0	06/01/13 15:57	
cis-1,2-Dichloroethene	ug/L	ND	1.0	06/01/13 15:57	
cis-1,3-Dichloropropene	ug/L	ND	4.0	06/01/13 15:57	
Dibromochloromethane	ug/L	ND	1.0	06/01/13 15:57	
Dibromomethane	ug/L	ND	4.0	06/01/13 15:57	

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.: 10229974

METHOD BLANK: 1445432 Matrix: Water

Associated Lab Samples: 10229974006, 10229974008, 10229974009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	06/01/13 15:57	
Dichlorofluoromethane	ug/L	ND	1.0	06/01/13 15:57	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	06/01/13 15:57	
Ethylbenzene	ug/L	ND	1.0	06/01/13 15:57	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	06/01/13 15:57	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	06/01/13 15:57	
Methyl-tert-butyl ether	ug/L	ND	1.0	06/01/13 15:57	
Methylene Chloride	ug/L	ND	4.0	06/01/13 15:57	
n-Butylbenzene	ug/L	ND	1.0	06/01/13 15:57	
n-Propylbenzene	ug/L	ND	1.0	06/01/13 15:57	
Naphthalene	ug/L	ND	4.0	06/01/13 15:57	
p-Isopropyltoluene	ug/L	ND	1.0	06/01/13 15:57	
sec-Butylbenzene	ug/L	ND	1.0	06/01/13 15:57	
Styrene	ug/L	ND	1.0	06/01/13 15:57	
tert-Butylbenzene	ug/L	ND	1.0	06/01/13 15:57	
Tetrachloroethene	ug/L	ND	1.0	06/01/13 15:57	
Tetrahydrofuran	ug/L	ND	10.0	06/01/13 15:57	
Toluene	ug/L	ND	1.0	06/01/13 15:57	
trans-1,2-Dichloroethene	ug/L	ND	1.0	06/01/13 15:57	
trans-1,3-Dichloropropene	ug/L	ND	4.0	06/01/13 15:57	
Trichloroethene	ug/L	ND	1.0	06/01/13 15:57	
Trichlorofluoromethane	ug/L	ND	1.0	06/01/13 15:57	
Vinyl chloride	ug/L	ND	0.40	06/01/13 15:57	
Xylene (Total)	ug/L	ND	3.0	06/01/13 15:57	
1,2-Dichloroethane-d4 (S)	%	102	75-125	06/01/13 15:57	
4-Bromofluorobenzene (S)	%	101	75-125	06/01/13 15:57	
Toluene-d8 (S)	%	101	75-125	06/01/13 15:57	

LABORATORY CONTROL SAMPLE: 1445433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	101	75-125	
1,1,1-Trichloroethane	ug/L	20	21.1	106	75-126	
1,1,2,2-Tetrachloroethane	ug/L	20	20.7	103	75-125	
1,1,2-Trichloroethane	ug/L	20	20.2	101	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	20.8	104	51-139	
1,1-Dichloroethane	ug/L	20	20.9	105	75-125	
1,1-Dichloroethene	ug/L	20	21.6	108	71-126	
1,1-Dichloropropene	ug/L	20	21.8	109	74-125	
1,2,3-Trichlorobenzene	ug/L	20	21.0	105	75-125	
1,2,3-Trichloropropane	ug/L	20	19.7	99	75-125	
1,2,4-Trichlorobenzene	ug/L	20	21.2	106	75-125	
1,2,4-Trimethylbenzene	ug/L	20	20.3	102	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.6	99	73-125	
1,2-Dibromoethane (EDB)	ug/L	20	20.7	103	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.: 10229974

LABORATORY CONTROL SAMPLE: 1445433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dichlorobenzene	ug/L	20	20.6	103	75-125	
1,2-Dichloroethane	ug/L	20	21.5	107	74-125	
1,2-Dichloropropane	ug/L	20	20.8	104	75-125	
1,3,5-Trimethylbenzene	ug/L	20	20.3	101	75-125	
1,3-Dichlorobenzene	ug/L	20	20.3	102	75-125	
1,3-Dichloropropane	ug/L	20	20.4	102	75-125	
1,4-Dichlorobenzene	ug/L	20	20.2	101	75-125	
2,2-Dichloropropane	ug/L	20	22.2	111	67-132	
2-Butanone (MEK)	ug/L	100	104	104	68-126	
2-Chlorotoluene	ug/L	20	20.3	101	74-125	
4-Chlorotoluene	ug/L	20	20.4	102	74-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	99.7	100	72-125	
Acetone	ug/L	100	101	101	69-132	
Allyl chloride	ug/L	20	22.1	110	74-125	
Benzene	ug/L	20	20.3	102	75-125	
Bromobenzene	ug/L	20	20.2	101	75-125	
Bromochloromethane	ug/L	20	21.4	107	75-125	
Bromodichloromethane	ug/L	20	20.4	102	75-125	
Bromoform	ug/L	20	19.5	97	75-126	
Bromomethane	ug/L	20	15.6	78	30-150	
Carbon tetrachloride	ug/L	20	22.3	111	74-127	
Chlorobenzene	ug/L	20	19.7	98	75-125	
Chloroethane	ug/L	20	20.9	104	68-132	
Chloroform	ug/L	20	21.8	109	75-125	
Chloromethane	ug/L	20	20.9	105	61-129	
cis-1,2-Dichloroethene	ug/L	20	20.1	101	75-125	
cis-1,3-Dichloropropene	ug/L	20	21.0	105	75-125	
Dibromochloromethane	ug/L	20	20.1	100	75-125	
Dibromomethane	ug/L	20	20.8	104	75-125	
Dichlorodifluoromethane	ug/L	20	18.9	94	49-137	
Dichlorofluoromethane	ug/L	20	21.0	105	66-133	
Diethyl ether (Ethyl ether)	ug/L	20	21.2	106	75-125	
Ethylbenzene	ug/L	20	19.0	95	75-125	
Hexachloro-1,3-butadiene	ug/L	20	20.8	104	69-127	
Isopropylbenzene (Cumene)	ug/L	20	20.3	102	75-125	
Methyl-tert-butyl ether	ug/L	20	21.9	110	74-126	
Methylene Chloride	ug/L	20	19.3	96	75-125	
n-Butylbenzene	ug/L	20	21.4	107	72-126	
n-Propylbenzene	ug/L	20	20.5	103	73-125	
Naphthalene	ug/L	20	20.6	103	75-125	
p-Isopropyltoluene	ug/L	20	21.0	105	74-125	
sec-Butylbenzene	ug/L	20	21.1	105	73-125	
Styrene	ug/L	20	20.3	102	75-125	
tert-Butylbenzene	ug/L	20	20.3	102	73-125	
Tetrachloroethene	ug/L	20	19.5	97	75-125	
Tetrahydrofuran	ug/L	200	218	109	71-125	
Toluene	ug/L	20	19.1	95	75-125	
trans-1,2-Dichloroethene	ug/L	20	20.8	104	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.: 10229974

LABORATORY CONTROL SAMPLE: 1445433

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
trans-1,3-Dichloropropene	ug/L	20	21.7	109	75-125	
Trichloroethene	ug/L	20	20.0	100	75-125	
Trichlorofluoromethane	ug/L	20	21.5	107	69-129	
Vinyl chloride	ug/L	20	20.1	100	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)	%			102	75-125	

MATRIX SPIKE SAMPLE: 1445434

Parameter	Units	10229994001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.4	112	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	25.2	126	75-136	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	23.2	116	66-131	
1,1,2-Trichloroethane	ug/L	ND	20	22.6	113	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	28.0	140	75-150	
1,1-Dichloroethane	ug/L	ND	20	24.7	124	75-131	
1,1-Dichloroethene	ug/L	ND	20	26.3	131	75-138	
1,1-Dichloropropene	ug/L	ND	20	26.6	133	75-136	
1,2,3-Trichlorobenzene	ug/L	ND	20	22.7	113	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	21.3	107	71-126	
1,2,4-Trichlorobenzene	ug/L	ND	20	23.7	119	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	22.4	112	70-126	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	54.2	108	69-127	
1,2-Dibromoethane (EDB)	ug/L	ND	20	23.0	115	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	22.5	113	75-125	
1,2-Dichloroethane	ug/L	ND	20	24.3	121	74-128	
1,2-Dichloropropane	ug/L	ND	20	23.3	117	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	22.2	111	72-126	
1,3-Dichlorobenzene	ug/L	ND	20	22.4	112	75-125	
1,3-Dichloropropane	ug/L	ND	20	22.8	114	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	22.4	112	75-125	
2,2-Dichloropropane	ug/L	ND	20	27.2	136	71-143	
2-Butanone (MEK)	ug/L	ND	100	114	114	64-125	
2-Chlorotoluene	ug/L	ND	20	22.3	111	74-125	
4-Chlorotoluene	ug/L	ND	20	22.4	112	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	110	110	69-125	
Acetone	ug/L	ND	100	110	108	57-135	
Allyl chloride	ug/L	ND	20	25.7	129	73-134	
Benzene	ug/L	ND	20	23.8	119	70-135	
Bromobenzene	ug/L	ND	20	22.7	114	75-125	
Bromochloromethane	ug/L	ND	20	24.2	121	75-125	
Bromodichloromethane	ug/L	ND	20	22.8	114	75-125	
Bromoform	ug/L	ND	20	21.2	106	68-133	
Bromomethane	ug/L	ND	20	19.2	96	56-150	
Carbon tetrachloride	ug/L	ND	20	27.2	136	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.: 10229974

MATRIX SPIKE SAMPLE: 1445434

Parameter	Units	10229994001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Chlorobenzene	ug/L	ND	20	22.3	112	75-125	
Chloroethane	ug/L	ND	20	25.1	126	64-150	
Chloroform	ug/L	ND	20	24.6	123	75-127	
Chloromethane	ug/L	ND	20	25.3	127	65-140	
cis-1,2-Dichloroethene	ug/L	ND	20	24.4	122	75-129	
cis-1,3-Dichloropropene	ug/L	ND	20	23.6	118	75-125	
Dibromochloromethane	ug/L	ND	20	22.6	113	75-125	
Dibromomethane	ug/L	ND	20	23.1	115	75-125	
Dichlorodifluoromethane	ug/L	2.9	20	30.0	136	70-150	
Dichlorofluoromethane	ug/L	ND	20	25.0	125	69-142	
Diethyl ether (Ethyl ether)	ug/L	ND	20	23.3	116	75-125	
Ethylbenzene	ug/L	ND	20	21.8	108	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	26.1	130	75-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	22.7	114	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	24.9	124	70-132	
Methylene Chloride	ug/L	ND	20	22.4	111	73-125	
n-Butylbenzene	ug/L	ND	20	23.6	118	75-130	
n-Propylbenzene	ug/L	ND	20	22.8	114	75-128	
Naphthalene	ug/L	ND	20	22.2	111	73-126	
p-Isopropyltoluene	ug/L	ND	20	23.1	115	75-125	
sec-Butylbenzene	ug/L	ND	20	23.1	116	75-126	
Styrene	ug/L	ND	20	22.9	114	52-137	
tert-Butylbenzene	ug/L	ND	20	22.1	110	75-125	
Tetrachloroethene	ug/L	ND	20	22.7	114	75-130	
Tetrahydrofuran	ug/L	ND	200	231	115	69-125	
Toluene	ug/L	ND	20	22.0	109	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	25.0	125	75-135	
trans-1,3-Dichloropropene	ug/L	ND	20	24.3	121	75-125	
Trichloroethene	ug/L	ND	20	23.3	116	75-129	
Trichlorofluoromethane	ug/L	ND	20	28.3	142	75-150	
Vinyl chloride	ug/L	ND	20	24.9	125	75-147	
Xylene (Total)	ug/L	ND	60	65.1	108	75-125	
1,2-Dichloroethane-d4 (S)	%				107	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Toluene-d8 (S)	%				102	75-125	

SAMPLE DUPLICATE: 1445435

Parameter	Units	10229994006 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.: 10229974

SAMPLE DUPLICATE: 1445435

Parameter	Units	10229994006 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	.52J		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	205	203	.8	30	
Dichlorofluoromethane	ug/L	ND	.52J		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	.26J		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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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

SAMPLE DUPLICATE: 1445435

Parameter	Units	10229994006 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	.36J		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)	%	106	106	.2		
4-Bromofluorobenzene (S)	%	103	101	2		
Toluene-d8 (S)	%	101	101	.07		

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

HS	Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
SS	This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

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

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229974

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10229974001	**MW-17**	EPA 8260	MSV/23819		
10229974002	**MW-18**	EPA 8260	MSV/23819		
10229974003	**DPE-1**	EPA 8260	MSV/23819		
10229974004	**DPE-2**	EPA 8260	MSV/23819		
10229974005	**DPE-3**	EPA 8260	MSV/23819		
10229974006	**DPE-4**	EPA 8260	MSV/23864		
10229974007	**DPE-5**	EPA 8260	MSV/23819		
10229974008	**DPE-6**	EPA 8260	MSV/23864		
10229974009	**DPE-7**	EPA 8260	MSV/23864		
10229974010	**DPE-8**	EPA 8260	MSV/23819		
10229974011	**MW-15**	EPA 8260	MSV/23819		
10229974012	**MW-16**	EPA 8260	MSV/23841		
10229974013	**MW-19**	EPA 8260	MSV/23841		
10229974014	**MW-20**	EPA 8260	MSV/23841		
10229974015	**MW-14**	EPA 8260	MSV/23841		
10229974016	**TRIP BLANK**	EPA 8260	MSV/23841		

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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.

1130

10229974

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 ☐ GA ☐ _ ☐ 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 / ,-) Samples 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	Filtered (Y/N)	Requested Analysis: EPA 8260 VOCs	Pace Project Number Lab I.D.
1	MW-17	W	G	5/23/13	8:00				3										X	001
2	MW-18	W	G	5/23/13	9:30				3										X	002
3	DPE-1	W	G	5/23/13	11:30				3										X	003
4	DPE-2	W	G	5/23/13	10:30				3										X	004
5	DPE-3	W	G	5/23/13	11:00				3										X	005
6	DPE-4	W	G	5/23/13	10:00				3										X	006
7	DPE-5	W	G	5/23/13	9:00				3										X	007
8	DPE-6	W	G	5/23/13	7:00				3										X	008
9	DPE-7	W	G	5/23/13	6:00				3										X	009
10	DPE-8	W	G	5/23/13	6:30				3										X	010
11	MW-15	W	G	5/23/13	5:00				3										X	011
12	MW-16	W	G	5/23/13	9:30				3										X	012

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Eric Gabrielson	5/24/13	13:19

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
5.9	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:

SIGNATURE of SAMPLER: Eric Gabrielson DATE Signed (MM / DD / YY): 5/24/13

CHAIN-OF-CUSTODY / Analytical Request Document

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

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10229974

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER_____

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

Section D Required Client Information

SAMPLE ID

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: EPA 8260 VOCs	Pace Project Number / Lab I.D.
1	MW-19	W	G	5/23/13	5:30				3										X	013
2	MW-20	W	G	5/23/13	8:30				3										X	014
3	MW-14	W	G	5/23/13	6:30				3										X	015
4																				
5																				
6																				
7																				
8																				
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Client Pace	5:24:13	13:9

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.9	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:

SIGNATURE of SAMPLER: Eric Gabrielson DATE Signed (MM/DD/YY): 5/24/13

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: Landmark Env.

Project #: WO#: 10229974

10229974

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): 6.0 **Cooler Temp Corrected (°C):** 5.9 **Biological Tissue Frozen?** ☐ Yes ☑ No

Temp should be above freezing to 6°C **Correction Factor:** -.1 **Date and Initials of Person Examining Contents:** CM 5-24-13

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.
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: CW Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☑ Yes	☐ No	☐ N/A	14. 1/3 MW-17, 1/3 DPE-1, 1/3 DPE-2, 1/3 DPE-4
Trip Blank Present?	☑ Yes	☐ No	☐ N/A	15. 1/3 DPE-8, 1/3 MW-15 1/3 MW-16 2/3 MW-20 1/3 MW-14
Trip Blank Custody Seals Present?	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if purchased): 05141-1				

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

Person Contacted: Date/Time:

Comments/Resolution:

Project Manager Review: CM **Date:** 5/28/13

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

March 05, 2013

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

RE: Project: CRC City of Rochester
Pace Project No.: 10221059

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 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,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10221059

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
North Dakota Certification #: R-036A
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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Minneapolis, MN 55414
(612)607-1700

SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10221059

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10221059001	**AS-Influent**	Water	02/25/13 15:50	02/26/13 14:18
10221059002	**AS-Effluent**	Water	02/25/13 15:55	02/26/13 14:18

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10221059

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10221059001	**AS-Influent**	EPA 624	DJT	74
10221059002	**AS-Effluent**	EPA 624	DJT	74

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10221059

Sample: AS-Influent **Lab ID: 10221059001** Collected: 02/25/13 15:50 Received: 02/26/13 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	**60.3**	ug/L	20.0	1		03/04/13 18:57	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		03/04/13 18:57	107-05-1	
Benzene	ND	ug/L	1.0	1		03/04/13 18:57	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/04/13 18:57	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/04/13 18:57	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/04/13 18:57	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/04/13 18:57	75-25-2	
Bromomethane	ND	ug/L	10.0	1		03/04/13 18:57	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/04/13 18:57	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	98-06-6	
Carbon tetrachloride	ND	ug/L	1.0	1		03/04/13 18:57	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/04/13 18:57	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		03/04/13 18:57	110-75-8	M1
Chloroform	ND	ug/L	1.0	1		03/04/13 18:57	67-66-3	
Chloromethane	ND	ug/L	4.0	1		03/04/13 18:57	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/04/13 18:57	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/04/13 18:57	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		03/04/13 18:57	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/04/13 18:57	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/04/13 18:57	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		03/04/13 18:57	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/04/13 18:57	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/04/13 18:57	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/04/13 18:57	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/04/13 18:57	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/04/13 18:57	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/04/13 18:57	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		03/04/13 18:57	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		03/04/13 18:57	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/04/13 18:57	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		03/04/13 18:57	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/04/13 18:57	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		03/04/13 18:57	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		03/04/13 18:57	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		03/04/13 18:57	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/13 18:57	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		03/04/13 18:57	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/04/13 18:57	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		03/04/13 18:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/04/13 18:57	108-10-1	

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.: 10221059

Sample: AS-Influent **Lab ID: 10221059001** Collected: 02/25/13 15:50 Received: 02/26/13 14:18 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		03/04/13 18:57	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		03/04/13 18:57	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	103-65-1	
Styrene	ND	ug/L	1.0	1		03/04/13 18:57	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/04/13 18:57	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/04/13 18:57	79-34-5	
Tetrachloroethene	**35.4**	ug/L	1.0	1		03/04/13 18:57	127-18-4	M1
Tetrahydrofuran	ND	ug/L	10.0	1		03/04/13 18:57	109-99-9	
Toluene	ND	ug/L	1.0	1		03/04/13 18:57	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/04/13 18:57	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/04/13 18:57	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/04/13 18:57	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/04/13 18:57	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/04/13 18:57	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		03/04/13 18:57	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		03/04/13 18:57	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		03/04/13 18:57	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		03/04/13 18:57	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		03/04/13 18:57	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/04/13 18:57	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/04/13 18:57	95-47-6	
Surrogates								
Dibromofluoromethane (S)	93	%	75-125	1		03/04/13 18:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	75-125	1		03/04/13 18:57	17060-07-0	
Toluene-d8 (S)	97	%	75-125	1		03/04/13 18:57	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		03/04/13 18:57	460-00-4	

Sample: AS-Effluent **Lab ID: 10221059002** Collected: 02/25/13 15:55 Received: 02/26/13 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	**114**	ug/L	20.0	1		03/04/13 17:44	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		03/04/13 17:44	107-05-1	
Benzene	ND	ug/L	1.0	1		03/04/13 17:44	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		03/04/13 17:44	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		03/04/13 17:44	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		03/04/13 17:44	75-27-4	
Bromoform	ND	ug/L	4.0	1		03/04/13 17:44	75-25-2	
Bromomethane	ND	ug/L	10.0	1		03/04/13 17:44	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		03/04/13 17:44	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	98-06-6	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10221059

Sample: AS-Effluent **Lab ID: 10221059002** Collected: 02/25/13 15:55 Received: 02/26/13 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Carbon tetrachloride	ND	ug/L	1.0	1		03/04/13 17:44	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	108-90-7	
Chloroethane	ND	ug/L	1.0	1		03/04/13 17:44	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		03/04/13 17:44	110-75-8	
Chloroform	ND	ug/L	1.0	1		03/04/13 17:44	67-66-3	
Chloromethane	ND	ug/L	4.0	1		03/04/13 17:44	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		03/04/13 17:44	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		03/04/13 17:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		03/04/13 17:44	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		03/04/13 17:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		03/04/13 17:44	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		03/04/13 17:44	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		03/04/13 17:44	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		03/04/13 17:44	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		03/04/13 17:44	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		03/04/13 17:44	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		03/04/13 17:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		03/04/13 17:44	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		03/04/13 17:44	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		03/04/13 17:44	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		03/04/13 17:44	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		03/04/13 17:44	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		03/04/13 17:44	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		03/04/13 17:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		03/04/13 17:44	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		03/04/13 17:44	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		03/04/13 17:44	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		03/04/13 17:44	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		03/04/13 17:44	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		03/04/13 17:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		03/04/13 17:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		03/04/13 17:44	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		03/04/13 17:44	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	103-65-1	
Styrene	ND	ug/L	1.0	1		03/04/13 17:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		03/04/13 17:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		03/04/13 17:44	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		03/04/13 17:44	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		03/04/13 17:44	109-99-9	
Toluene	ND	ug/L	1.0	1		03/04/13 17:44	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		03/04/13 17:44	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		03/04/13 17:44	71-55-6	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10221059

Sample: AS-Effluent **Lab ID: 10221059002** Collected: 02/25/13 15:55 Received: 02/26/13 14:18 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
1,1,2-Trichloroethane	ND	ug/L	1.0	1		03/04/13 17:44	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		03/04/13 17:44	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		03/04/13 17:44	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		03/04/13 17:44	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		03/04/13 17:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		03/04/13 17:44	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		03/04/13 17:44	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		03/04/13 17:44	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		03/04/13 17:44	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		03/04/13 17:44	95-47-6	
Surrogates								
Dibromofluoromethane (S)	93	%	75-125	1		03/04/13 17:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	75-125	1		03/04/13 17:44	17060-07-0	
Toluene-d8 (S)	99	%	75-125	1		03/04/13 17:44	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		03/04/13 17:44	460-00-4	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

QC Batch: MSV/22968 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10221059001, 10221059002

METHOD BLANK: 1385719 Matrix: Water
Associated Lab Samples: 10221059001, 10221059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1,1-Trichloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1,2-Trichloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1-Dichloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,1-Dichloroethene	ug/L	ND	1.0	03/04/13 12:03	
1,1-Dichloropropene	ug/L	ND	1.0	03/04/13 12:03	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
1,2,3-Trichloropropane	ug/L	ND	4.0	03/04/13 12:03	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	03/04/13 12:03	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	03/04/13 12:03	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	03/04/13 12:03	
1,2-Dichlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
1,2-Dichloroethane	ug/L	ND	1.0	03/04/13 12:03	
1,2-Dichloropropane	ug/L	ND	4.0	03/04/13 12:03	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	03/04/13 12:03	
1,3-Dichlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
1,3-Dichloropropane	ug/L	ND	1.0	03/04/13 12:03	
1,4-Dichlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
2,2-Dichloropropane	ug/L	ND	4.0	03/04/13 12:03	
2-Butanone (MEK)	ug/L	ND	5.0	03/04/13 12:03	
2-Chloroethylvinyl ether	ug/L	ND	10.0	03/04/13 12:03	
2-Chlorotoluene	ug/L	ND	1.0	03/04/13 12:03	
4-Chlorotoluene	ug/L	ND	1.0	03/04/13 12:03	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	03/04/13 12:03	
Acetone	ug/L	ND	20.0	03/04/13 12:03	
Allyl chloride	ug/L	ND	4.0	03/04/13 12:03	
Benzene	ug/L	ND	1.0	03/04/13 12:03	
Bromobenzene	ug/L	ND	1.0	03/04/13 12:03	
Bromochloromethane	ug/L	ND	1.0	03/04/13 12:03	
Bromodichloromethane	ug/L	ND	1.0	03/04/13 12:03	
Bromoform	ug/L	ND	4.0	03/04/13 12:03	
Bromomethane	ug/L	ND	10.0	03/04/13 12:03	
Carbon tetrachloride	ug/L	ND	1.0	03/04/13 12:03	
Chlorobenzene	ug/L	ND	1.0	03/04/13 12:03	
Chloroethane	ug/L	ND	1.0	03/04/13 12:03	
Chloroform	ug/L	ND	1.0	03/04/13 12:03	
Chloromethane	ug/L	ND	4.0	03/04/13 12:03	
cis-1,2-Dichloroethene	ug/L	ND	1.0	03/04/13 12:03	
cis-1,3-Dichloropropene	ug/L	ND	4.0	03/04/13 12:03	
Dibromochloromethane	ug/L	ND	1.0	03/04/13 12:03	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

METHOD BLANK: 1385719 Matrix: Water

Associated Lab Samples: 10221059001, 10221059002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	ug/L	ND	4.0	03/04/13 12:03	
Dichlorodifluoromethane	ug/L	ND	1.0	03/04/13 12:03	
Dichlorofluoromethane	ug/L	ND	1.0	03/04/13 12:03	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	03/04/13 12:03	
Ethylbenzene	ug/L	ND	1.0	03/04/13 12:03	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	03/04/13 12:03	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	03/04/13 12:03	
m&p-Xylene	ug/L	ND	2.0	03/04/13 12:03	
Methyl-tert-butyl ether	ug/L	ND	1.0	03/04/13 12:03	
Methylene Chloride	ug/L	ND	4.0	03/04/13 12:03	
n-Butylbenzene	ug/L	ND	1.0	03/04/13 12:03	
n-Propylbenzene	ug/L	ND	1.0	03/04/13 12:03	
Naphthalene	ug/L	ND	4.0	03/04/13 12:03	
o-Xylene	ug/L	ND	1.0	03/04/13 12:03	
p-Isopropyltoluene	ug/L	ND	1.0	03/04/13 12:03	
sec-Butylbenzene	ug/L	ND	1.0	03/04/13 12:03	
Styrene	ug/L	ND	1.0	03/04/13 12:03	
tert-Butylbenzene	ug/L	ND	1.0	03/04/13 12:03	
Tetrachloroethene	ug/L	ND	1.0	03/04/13 12:03	
Tetrahydrofuran	ug/L	ND	10.0	03/04/13 12:03	
Toluene	ug/L	ND	1.0	03/04/13 12:03	
trans-1,2-Dichloroethene	ug/L	ND	1.0	03/04/13 12:03	
trans-1,3-Dichloropropene	ug/L	ND	4.0	03/04/13 12:03	
Trichloroethene	ug/L	ND	1.0	03/04/13 12:03	
Trichlorofluoromethane	ug/L	ND	1.0	03/04/13 12:03	
Vinyl chloride	ug/L	ND	0.40	03/04/13 12:03	
Xylene (Total)	ug/L	ND	3.0	03/04/13 12:03	
1,2-Dichloroethane-d4 (S)	%	89	75-125	03/04/13 12:03	
4-Bromofluorobenzene (S)	%	98	75-125	03/04/13 12:03	
Dibromofluoromethane (S)	%	87	75-125	03/04/13 12:03	
Toluene-d8 (S)	%	98	75-125	03/04/13 12:03	

LABORATORY CONTROL SAMPLE: 1385720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	22.9	114	75-125	
1,1,1-Trichloroethane	ug/L	20	19.6	98	75-125	
1,1,2,2-Tetrachloroethane	ug/L	20	23.0	115	75-125	
1,1,2-Trichloroethane	ug/L	20	22.6	113	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	19.3	96	51-134	
1,1-Dichloroethane	ug/L	20	19.3	96	74-125	
1,1-Dichloroethene	ug/L	20	19.7	99	74-125	
1,1-Dichloropropene	ug/L	20	19.5	98	73-125	
1,2,3-Trichlorobenzene	ug/L	20	21.9	109	75-125	
1,2,3-Trichloropropane	ug/L	20	22.2	111	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

LABORATORY CONTROL SAMPLE: 1385720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trichlorobenzene	ug/L	20	22.1	111	75-125	
1,2,4-Trimethylbenzene	ug/L	20	22.8	114	73-125	
1,2-Dibromo-3-chloropropane	ug/L	50	57.7	115	72-125	
1,2-Dibromoethane (EDB)	ug/L	20	23.2	116	75-125	
1,2-Dichlorobenzene	ug/L	20	22.1	111	75-125	
1,2-Dichloroethane	ug/L	20	19.5	97	75-125	
1,2-Dichloropropane	ug/L	20	22.5	112	75-125	
1,3,5-Trimethylbenzene	ug/L	20	22.3	112	75-125	
1,3-Dichlorobenzene	ug/L	20	22.3	112	75-125	
1,3-Dichloropropane	ug/L	20	21.9	110	75-125	
1,4-Dichlorobenzene	ug/L	20	22.3	112	74-125	
2,2-Dichloropropane	ug/L	20	19.3	96	70-131	
2-Butanone (MEK)	ug/L	100	98.7	99	61-125	
2-Chloroethylvinyl ether	ug/L	50	51.5	103	38-150	
2-Chlorotoluene	ug/L	20	22.0	110	71-125	
4-Chlorotoluene	ug/L	20	22.0	110	72-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	68-125	
Acetone	ug/L	100	111	111	75-125	
Allyl chloride	ug/L	20	19.8	99	75-128	
Benzene	ug/L	20	19.6	98	74-125	
Bromobenzene	ug/L	20	21.6	108	75-125	
Bromochloromethane	ug/L	20	20.9	104	75-125	
Bromodichloromethane	ug/L	20	22.7	114	75-125	
Bromoform	ug/L	20	24.3	122	75-125	
Bromomethane	ug/L	20	22.7	113	40-150	
Carbon tetrachloride	ug/L	20	19.5	98	75-125	
Chlorobenzene	ug/L	20	22.3	111	75-125	
Chloroethane	ug/L	20	20.2	101	68-128	
Chloroform	ug/L	20	19.7	99	75-125	
Chloromethane	ug/L	20	20.1	101	59-126	
cis-1,2-Dichloroethene	ug/L	20	19.1	95	75-125	
cis-1,3-Dichloropropene	ug/L	20	23.3	117	75-125	
Dibromochloromethane	ug/L	20	23.9	120	75-125	
Dibromomethane	ug/L	20	21.9	110	75-125	
Dichlorodifluoromethane	ug/L	20	18.8	94	43-135	
Dichlorofluoromethane	ug/L	20	19.0	95	72-125	
Diethyl ether (Ethyl ether)	ug/L	20	19.7	98	75-125	
Ethylbenzene	ug/L	20	22.5	113	75-125	
Hexachloro-1,3-butadiene	ug/L	20	22.3	112	68-127	
Isopropylbenzene (Cumene)	ug/L	20	23.8	119	75-125	
m&p-Xylene	ug/L	40	46.5	116	74-125	
Methyl-tert-butyl ether	ug/L	20	19.2	96	75-125	
Methylene Chloride	ug/L	20	18.5	92	74-125	
n-Butylbenzene	ug/L	20	23.6	118	71-125	
n-Propylbenzene	ug/L	20	23.1	115	73-125	
Naphthalene	ug/L	20	22.8	114	73-125	
o-Xylene	ug/L	20	23.2	116	74-125	
p-Isopropyltoluene	ug/L	20	23.2	116	73-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

LABORATORY CONTROL SAMPLE: 1385720

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
sec-Butylbenzene	ug/L	20	23.2	116	71-125	
Styrene	ug/L	20	24.0	120	75-125	
tert-Butylbenzene	ug/L	20	22.5	113	73-125	
Tetrachloroethene	ug/L	20	22.8	114	72-125	
Tetrahydrofuran	ug/L	200	202	101	67-125	
Toluene	ug/L	20	22.4	112	75-125	
trans-1,2-Dichloroethene	ug/L	20	19.3	97	72-126	
trans-1,3-Dichloropropene	ug/L	20	23.4	117	75-125	
Trichloroethene	ug/L	20	21.9	109	75-125	
Trichlorofluoromethane	ug/L	20	19.6	98	71-125	
Vinyl chloride	ug/L	20	19.8	99	69-128	
Xylene (Total)	ug/L	60	69.7	116	74-125	
1,2-Dichloroethane-d4 (S)	%			85	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Dibromofluoromethane (S)	%			84	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE SAMPLE: 1385721

Parameter	Units	10221059001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	24.3	122	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	21.7	108	75-134	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	23.2	116	75-125	
1,1,2-Trichloroethane	ug/L	ND	20	23.0	115	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	27.7	137	75-150	
1,1-Dichloroethane	ug/L	ND	20	20.1	100	75-129	
1,1-Dichloroethene	ug/L	ND	20	22.7	113	75-141	
1,1-Dichloropropene	ug/L	ND	20	22.0	110	75-135	
1,2,3-Trichlorobenzene	ug/L	ND	20	22.8	114	72-125	
1,2,3-Trichloropropane	ug/L	ND	20	22.8	114	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	20	22.5	112	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	23.4	117	75-125	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	57.8	116	72-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	23.4	117	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	23.0	115	75-125	
1,2-Dichloroethane	ug/L	ND	20	20.0	100	75-125	
1,2-Dichloropropane	ug/L	ND	20	23.1	115	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	23.4	117	75-125	
1,3-Dichlorobenzene	ug/L	ND	20	23.1	115	75-125	
1,3-Dichloropropane	ug/L	ND	20	22.3	111	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	22.7	113	75-125	
2,2-Dichloropropane	ug/L	ND	20	21.4	107	72-145	
2-Butanone (MEK)	ug/L	ND	100	96.7	97	65-125	
2-Chloroethylvinyl ether	ug/L	ND	50	ND	0	30-150	M1
2-Chlorotoluene	ug/L	ND	20	23.2	116	75-125	
4-Chlorotoluene	ug/L	ND	20	23.2	116	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	117	117	72-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

MATRIX SPIKE SAMPLE: 1385721

Parameter	Units	10221059001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Acetone	ug/L	60.3	100	178	117	75-125	
Allyl chloride	ug/L	ND	20	21.5	107	75-138	
Benzene	ug/L	ND	20	20.7	103	75-129	
Bromobenzene	ug/L	ND	20	22.8	114	75-125	
Bromochloromethane	ug/L	ND	20	21.9	109	75-125	
Bromodichloromethane	ug/L	ND	20	23.4	117	75-125	
Bromoform	ug/L	ND	20	24.2	121	70-129	
Bromomethane	ug/L	ND	20	26.5	133	41-150	
Carbon tetrachloride	ug/L	ND	20	22.4	112	75-137	
Chlorobenzene	ug/L	ND	20	23.5	118	75-125	
Chloroethane	ug/L	ND	20	22.3	112	75-137	
Chloroform	ug/L	ND	20	20.7	104	75-130	
Chloromethane	ug/L	ND	20	21.6	108	57-150	
cis-1,2-Dichloroethene	ug/L	ND	20	20.8	103	73-139	
cis-1,3-Dichloropropene	ug/L	ND	20	23.5	117	75-125	
Dibromochloromethane	ug/L	ND	20	24.4	122	75-125	
Dibromomethane	ug/L	ND	20	22.6	113	75-125	
Dichlorodifluoromethane	ug/L	ND	20	26.7	133	72-150	
Dichlorofluoromethane	ug/L	ND	20	20.9	105	75-131	
Diethyl ether (Ethyl ether)	ug/L	ND	20	19.5	98	75-125	
Ethylbenzene	ug/L	ND	20	24.0	120	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	26.0	130	74-135	
Isopropylbenzene (Cumene)	ug/L	ND	20	25.2	126	75-128	
m&p-Xylene	ug/L	ND	40	49.9	125	75-125	
Methyl-tert-butyl ether	ug/L	ND	20	19.9	99	75-127	
Methylene Chloride	ug/L	ND	20	19.0	95	74-128	
n-Butylbenzene	ug/L	ND	20	24.3	121	75-130	
n-Propylbenzene	ug/L	ND	20	24.5	122	75-127	
Naphthalene	ug/L	ND	20	22.9	115	64-127	
o-Xylene	ug/L	ND	20	24.3	121	75-125	
p-Isopropyltoluene	ug/L	ND	20	24.2	121	75-126	
sec-Butylbenzene	ug/L	ND	20	24.5	123	75-128	
Styrene	ug/L	ND	20	24.7	123	70-129	
tert-Butylbenzene	ug/L	ND	20	23.8	119	75-125	
Tetrachloroethene	ug/L	35.4	20	63.8	142	75-132	M1
Tetrahydrofuran	ug/L	ND	200	198	99	68-125	
Toluene	ug/L	ND	20	24.0	120	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	21.0	105	75-140	
trans-1,3-Dichloropropene	ug/L	ND	20	24.0	120	75-125	
Trichloroethene	ug/L	ND	20	24.1	120	75-135	
Trichlorofluoromethane	ug/L	ND	20	25.0	125	75-148	
Vinyl chloride	ug/L	ND	20	22.9	114	75-144	
Xylene (Total)	ug/L	ND	60	74.2	124	75-125	
1,2-Dichloroethane-d4 (S)	%				85	75-125	
4-Bromofluorobenzene (S)	%				99	75-125	
Dibromofluoromethane (S)	%				84	75-125	
Toluene-d8 (S)	%				98	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

SAMPLE DUPLICATE: 1385722

Parameter	Units	10221059002 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	.099J		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	114	124	8	30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221059

SAMPLE DUPLICATE: 1385722

Parameter	Units	10221059002 Result	Dup Result	RPD	Max RPD	Qualifiers
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	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)	%	95	96	.3		
4-Bromofluorobenzene (S)	%	98	97	1		
Dibromofluoromethane (S)	%	93	93	.6		
Toluene-d8 (S)	%	99	100	.5		

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10221059

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

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

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10221059

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10221059001	**AS-Influent**	EPA 624	MSV/22968		
10221059002	**AS-Effluent**	EPA 624	MSV/22968		

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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.

10221059

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

REGULATORY AGENCY

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

SITE LOCATION ☐ STATE ☐ ☐ ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ OTHER____

Section D **Required** Client Information

SAMPLE ID

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

Samples

Valid Matrix Codes

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

ITEM #	Sample ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	2/25/13	15:50				3										X	001
2	AS-Effluent	W	G	2/25/13	15:55				3										X	002
3																				
4																				
5																				
6																				
7																				
8																				
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Pace	2/26/13	1418

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
1.8	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): 2/26/13

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: Landmark

Project #: WO# : 10221059

10221059

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): 1.8 **Cooler Temp Corrected (°C):** 1.8 **Biological Tissue Frozen?** ☐Yes ☐No

Temp should be above freezing to 6°C **Correction Factor:** True **Date and Initials of Person Examining Contents:** 2/26/13 SH

				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. MS In/out on vials AS NOT Enough Comp
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) Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☐Yes	☐No	☑N/A	Initial when completed: SH Lot # of added preservative:
	☑Yes	☐No		
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: AMO **Date:** 2/26/13

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)

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(612)607-1700

June 03, 2013

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 23, 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,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

Pace Analytical Services, Inc.
1700 Elm Street - Suite 200
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CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

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
North Dakota Certification #: R-036A
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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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10229969001	**AS - INFLUENT**	Water	05/22/13 12:30	05/23/13 13:19
10229969002	**AS - EFFLUENT**	Water	05/22/13 12:35	05/23/13 13:19

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10229969001	**AS - INFLUENT**	EPA 624	CNC	82
10229969002	**AS - EFFLUENT**	EPA 624	CNC	82

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

Sample: AS - INFLUENT **Lab ID: 10229969001** Collected: 05/22/13 12:30 Received: 05/23/13 13:19 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		05/28/13 18:33	67-64-1	
Acrolein	ND	ug/L	10.0	1		05/28/13 18:33	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		05/28/13 18:33	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		05/28/13 18:33	107-05-1	
Benzene	ND	ug/L	1.0	1		05/28/13 18:33	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/28/13 18:33	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/28/13 18:33	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/28/13 18:33	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/28/13 18:33	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/28/13 18:33	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/28/13 18:33	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		05/28/13 18:33	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/28/13 18:33	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/28/13 18:33	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/28/13 18:33	110-75-8	
Chloroform	ND	ug/L	1.0	1		05/28/13 18:33	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/28/13 18:33	74-87-3	
Chloroprene	ND	ug/L	1.0	1		05/28/13 18:33	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		05/28/13 18:33	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/28/13 18:33	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/28/13 18:33	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/28/13 18:33	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/28/13 18:33	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/28/13 18:33	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/28/13 18:33	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/28/13 18:33	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/28/13 18:33	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/28/13 18:33	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/28/13 18:33	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/28/13 18:33	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/28/13 18:33	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/28/13 18:33	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/28/13 18:33	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/28/13 18:33	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/28/13 18:33	594-20-7	L3
1,1-Dichloropropene	ND	ug/L	1.0	1		05/28/13 18:33	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/28/13 18:33	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/28/13 18:33	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/28/13 18:33	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	100-41-4	

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.: 10229969

Sample: AS - INFLUENT **Lab ID: 10229969001** Collected: 05/22/13 12:30 Received: 05/23/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/28/13 18:33	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		05/28/13 18:33	591-78-6	
Iodomethane	ND	ug/L	4.0	1		05/28/13 18:33	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/28/13 18:33	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/28/13 18:33	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/28/13 18:33	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		05/28/13 18:33	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/28/13 18:33	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/28/13 18:33	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/28/13 18:33	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	103-65-1	
Styrene	ND	ug/L	1.0	1		05/28/13 18:33	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/28/13 18:33	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/28/13 18:33	79-34-5	
Tetrachloroethene	**123**	ug/L	1.0	1		05/28/13 18:33	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/28/13 18:33	109-99-9	
Toluene	ND	ug/L	1.0	1		05/28/13 18:33	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/28/13 18:33	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/28/13 18:33	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/28/13 18:33	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/28/13 18:33	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/28/13 18:33	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/28/13 18:33	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/28/13 18:33	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/28/13 18:33	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		05/28/13 18:33	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		05/28/13 18:33	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/28/13 18:33	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/28/13 18:33	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/28/13 18:33	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	75-125	1		05/28/13 18:33	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		05/28/13 18:33	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/28/13 18:33	460-00-4	

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.: 10229969

Sample: AS - EFFLUENT **Lab ID: 10229969002** Collected: 05/22/13 12:35 Received: 05/23/13 13:19 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		05/28/13 12:31	67-64-1	
Acrolein	ND	ug/L	10.0	1		05/28/13 12:31	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		05/28/13 12:31	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		05/28/13 12:31	107-05-1	
Benzene	ND	ug/L	1.0	1		05/28/13 12:31	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/28/13 12:31	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/28/13 12:31	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/28/13 12:31	75-27-4	
Bromoform	ND	ug/L	4.0	1		05/28/13 12:31	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/28/13 12:31	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		05/28/13 12:31	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		05/28/13 12:31	75-15-0	
Carbon tetrachloride	ND	ug/L	1.0	1		05/28/13 12:31	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/28/13 12:31	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/28/13 12:31	110-75-8	M1
Chloroform	ND	ug/L	1.0	1		05/28/13 12:31	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/28/13 12:31	74-87-3	
Chloroprene	ND	ug/L	1.0	1		05/28/13 12:31	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		05/28/13 12:31	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/28/13 12:31	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/28/13 12:31	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/28/13 12:31	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/28/13 12:31	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/28/13 12:31	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/28/13 12:31	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/28/13 12:31	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/28/13 12:31	107-06-2	
1,2-Dichloroethene (Total)	ND	ug/L	2.0	1		05/28/13 12:31	540-59-0	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/28/13 12:31	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/28/13 12:31	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/28/13 12:31	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/28/13 12:31	75-43-4	
1,2-Dichloropropane	ND	ug/L	4.0	1		05/28/13 12:31	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/28/13 12:31	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/28/13 12:31	594-20-7	L3,M0
1,1-Dichloropropene	ND	ug/L	1.0	1		05/28/13 12:31	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/28/13 12:31	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/28/13 12:31	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/28/13 12:31	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	100-41-4	

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.: 10229969

Sample: AS - EFFLUENT **Lab ID: 10229969002** Collected: 05/22/13 12:35 Received: 05/23/13 13:19 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Hexachloro-1,3-butadiene	ND	ug/L	5.0	1		05/28/13 12:31	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		05/28/13 12:31	591-78-6	
Iodomethane	ND	ug/L	4.0	1		05/28/13 12:31	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/28/13 12:31	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/28/13 12:31	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/28/13 12:31	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		05/28/13 12:31	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/28/13 12:31	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/28/13 12:31	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/28/13 12:31	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	103-65-1	
Styrene	ND	ug/L	1.0	1		05/28/13 12:31	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/28/13 12:31	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/28/13 12:31	79-34-5	
Tetrachloroethene	**15.5**	ug/L	1.0	1		05/28/13 12:31	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/28/13 12:31	109-99-9	
Toluene	ND	ug/L	1.0	1		05/28/13 12:31	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/28/13 12:31	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/28/13 12:31	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/28/13 12:31	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/28/13 12:31	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/28/13 12:31	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	4.0	1		05/28/13 12:31	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.1**	ug/L	1.0	1		05/28/13 12:31	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/28/13 12:31	108-67-8	
Vinyl acetate	ND	ug/L	10.0	1		05/28/13 12:31	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		05/28/13 12:31	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/28/13 12:31	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/28/13 12:31	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/28/13 12:31	95-47-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	95	%	75-125	1		05/28/13 12:31	17060-07-0	
Toluene-d8 (S)	95	%	75-125	1		05/28/13 12:31	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/28/13 12:31	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.: 10229969

QC Batch: MSV/23815 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10229969001, 10229969002

METHOD BLANK: 1442253 Matrix: Water
Associated Lab Samples: 10229969001, 10229969002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1-Dichloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,1-Dichloroethene	ug/L	ND	1.0	05/28/13 11:18	
1,1-Dichloropropene	ug/L	ND	1.0	05/28/13 11:18	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/28/13 11:18	
1,2,3-Trichloropropane	ug/L	ND	4.0	05/28/13 11:18	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/28/13 11:18	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/28/13 11:18	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/28/13 11:18	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/28/13 11:18	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/28/13 11:18	
1,2-Dichloroethane	ug/L	ND	1.0	05/28/13 11:18	
1,2-Dichloroethene (Total)	ug/L	ND	2.0	05/28/13 11:18	
1,2-Dichloropropane	ug/L	ND	4.0	05/28/13 11:18	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/28/13 11:18	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/28/13 11:18	
1,3-Dichloropropane	ug/L	ND	1.0	05/28/13 11:18	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/28/13 11:18	
2,2-Dichloropropane	ug/L	ND	4.0	05/28/13 11:18	
2-Butanone (MEK)	ug/L	ND	5.0	05/28/13 11:18	
2-Chloroethylvinyl ether	ug/L	ND	10.0	05/28/13 11:18	
2-Chlorotoluene	ug/L	ND	1.0	05/28/13 11:18	
2-Hexanone	ug/L	ND	5.0	05/28/13 11:18	
2-Methylnaphthalene	ug/L	ND	5.0	05/28/13 11:18	
4-Chlorotoluene	ug/L	ND	1.0	05/28/13 11:18	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/28/13 11:18	
Acetone	ug/L	ND	20.0	05/28/13 11:18	
Acrolein	ug/L	ND	10.0	05/28/13 11:18	
Acrylonitrile	ug/L	ND	10.0	05/28/13 11:18	
Allyl chloride	ug/L	ND	4.0	05/28/13 11:18	
Benzene	ug/L	ND	1.0	05/28/13 11:18	
Bromobenzene	ug/L	ND	1.0	05/28/13 11:18	
Bromochloromethane	ug/L	ND	1.0	05/28/13 11:18	
Bromodichloromethane	ug/L	ND	1.0	05/28/13 11:18	
Bromoform	ug/L	ND	4.0	05/28/13 11:18	
Bromomethane	ug/L	ND	4.0	05/28/13 11:18	
Carbon disulfide	ug/L	ND	1.0	05/28/13 11:18	
Carbon tetrachloride	ug/L	ND	1.0	05/28/13 11:18	
Chlorobenzene	ug/L	ND	1.0	05/28/13 11:18	

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.: 10229969

METHOD BLANK: 1442253 Matrix: Water

Associated Lab Samples: 10229969001, 10229969002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroethane	ug/L	ND	1.0	05/28/13 11:18	
Chloroform	ug/L	ND	1.0	05/28/13 11:18	
Chloromethane	ug/L	ND	4.0	05/28/13 11:18	
Chloroprene	ug/L	ND	1.0	05/28/13 11:18	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/28/13 11:18	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/28/13 11:18	
Dibromochloromethane	ug/L	ND	1.0	05/28/13 11:18	
Dibromomethane	ug/L	ND	4.0	05/28/13 11:18	
Dichlorodifluoromethane	ug/L	ND	1.0	05/28/13 11:18	
Dichlorofluoromethane	ug/L	ND	1.0	05/28/13 11:18	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/28/13 11:18	
Ethylbenzene	ug/L	ND	1.0	05/28/13 11:18	
Hexachloro-1,3-butadiene	ug/L	ND	5.0	05/28/13 11:18	
Iodomethane	ug/L	ND	4.0	05/28/13 11:18	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/28/13 11:18	
m&p-Xylene	ug/L	ND	2.0	05/28/13 11:18	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/28/13 11:18	
Methylene Chloride	ug/L	ND	4.0	05/28/13 11:18	
n-Butylbenzene	ug/L	ND	1.0	05/28/13 11:18	
n-Propylbenzene	ug/L	ND	1.0	05/28/13 11:18	
Naphthalene	ug/L	ND	4.0	05/28/13 11:18	
o-Xylene	ug/L	ND	1.0	05/28/13 11:18	
p-Isopropyltoluene	ug/L	ND	1.0	05/28/13 11:18	
sec-Butylbenzene	ug/L	ND	1.0	05/28/13 11:18	
Styrene	ug/L	ND	1.0	05/28/13 11:18	
tert-Butylbenzene	ug/L	ND	1.0	05/28/13 11:18	
Tetrachloroethene	ug/L	ND	1.0	05/28/13 11:18	
Tetrahydrofuran	ug/L	ND	10.0	05/28/13 11:18	
Toluene	ug/L	ND	1.0	05/28/13 11:18	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/28/13 11:18	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/28/13 11:18	
Trichloroethene	ug/L	ND	1.0	05/28/13 11:18	
Trichlorofluoromethane	ug/L	ND	1.0	05/28/13 11:18	
Vinyl acetate	ug/L	ND	10.0	05/28/13 11:18	
Vinyl chloride	ug/L	ND	0.40	05/28/13 11:18	
Xylene (Total)	ug/L	ND	3.0	05/28/13 11:18	
1,2-Dichloroethane-d4 (S)	%	91	75-125	05/28/13 11:18	
4-Bromofluorobenzene (S)	%	99	75-125	05/28/13 11:18	
Toluene-d8 (S)	%	96	75-125	05/28/13 11:18	

LABORATORY CONTROL SAMPLE: 1442254

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	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.: 10229969

LABORATORY CONTROL SAMPLE: 1442254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	20	18.4	92	75-125	
1,1,2-Trichloroethane	ug/L	20	18.9	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	20	15.9	80	51-134	
1,1-Dichloroethane	ug/L	20	18.5	93	74-125	
1,1-Dichloroethene	ug/L	20	17.4	87	74-125	
1,1-Dichloropropene	ug/L	20	16.7	83	73-125	
1,2,3-Trichlorobenzene	ug/L	20	19.0	95	75-125	
1,2,3-Trichloropropane	ug/L	20	17.2	86	75-125	
1,2,4-Trichlorobenzene	ug/L	20	18.6	93	75-125	
1,2,4-Trimethylbenzene	ug/L	20	16.4	82	73-125	
1,2-Dibromo-3-chloropropane	ug/L	50	44.6	89	72-125	
1,2-Dibromoethane (EDB)	ug/L	20	18.1	91	75-125	
1,2-Dichlorobenzene	ug/L	20	18.1	90	75-125	
1,2-Dichloroethane	ug/L	20	17.3	87	75-125	
1,2-Dichloroethene (Total)	ug/L	40	36.3	91	70-130	
1,2-Dichloropropane	ug/L	20	18.8	94	75-125	
1,3,5-Trimethylbenzene	ug/L	20	16.3	81	75-125	
1,3-Dichlorobenzene	ug/L	20	17.5	87	75-125	
1,3-Dichloropropane	ug/L	20	18.0	90	75-125	
1,4-Dichlorobenzene	ug/L	20	17.7	89	74-125	
2,2-Dichloropropane	ug/L	20	27.3	136	70-131	CH,L0
2-Butanone (MEK)	ug/L	100	78.5	78	61-125	
2-Chloroethylvinyl ether	ug/L	50	49.4	99	38-150	
2-Chlorotoluene	ug/L	20	16.6	83	71-125	
2-Hexanone	ug/L	100	81.8	82	71-125	
2-Methylnaphthalene	ug/L	10	9.0	90	45-141	
4-Chlorotoluene	ug/L	20	16.7	83	72-125	
4-Methyl-2-pentanone (MIBK)	ug/L	100	81.1	81	68-125	
Acetone	ug/L	100	107	107	75-125	
Acrolein	ug/L	200	167	83	59-128	
Acrylonitrile	ug/L	200	179	89	73-125	
Allyl chloride	ug/L	20	16.7	83	75-128	
Benzene	ug/L	20	17.9	89	74-125	
Bromobenzene	ug/L	20	17.8	89	75-125	
Bromochloromethane	ug/L	20	18.9	95	75-125	
Bromodichloromethane	ug/L	20	18.3	91	75-125	
Bromoform	ug/L	20	18.6	93	75-125	
Bromomethane	ug/L	20	21.8	109	40-150	
Carbon disulfide	ug/L	20	13.0	65	60-132	
Carbon tetrachloride	ug/L	20	17.7	89	75-125	
Chlorobenzene	ug/L	20	17.9	90	75-125	
Chloroethane	ug/L	20	23.9	120	68-128	
Chloroform	ug/L	20	18.6	93	75-125	
Chloromethane	ug/L	20	23.1	115	59-126	
Chloroprene	ug/L	20	17.1	85	69-132	
cis-1,2-Dichloroethene	ug/L	20	19.2	96	75-125	
cis-1,3-Dichloropropene	ug/L	20	19.4	97	75-125	
Dibromochloromethane	ug/L	20	18.4	92	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.: 10229969

LABORATORY CONTROL SAMPLE: 1442254

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dibromomethane	ug/L	20	19.3	97	75-125	
Dichlorodifluoromethane	ug/L	20	19.8	99	43-135	
Dichlorofluoromethane	ug/L	20	22.6	113	72-125	
Diethyl ether (Ethyl ether)	ug/L	20	17.8	89	75-125	
Ethylbenzene	ug/L	20	16.4	82	75-125	
Hexachloro-1,3-butadiene	ug/L	20	19.0	95	68-127	
Iodomethane	ug/L	20	15.4	77	41-127	
Isopropylbenzene (Cumene)	ug/L	20	17.6	88	75-125	
m&p-Xylene	ug/L	40	33.8	85	74-125	
Methyl-tert-butyl ether	ug/L	20	24.9	125	75-125	
Methylene Chloride	ug/L	20	17.8	89	74-125	
n-Butylbenzene	ug/L	20	16.9	85	71-125	
n-Propylbenzene	ug/L	20	16.6	83	73-125	
Naphthalene	ug/L	20	18.1	90	73-125	
o-Xylene	ug/L	20	17.5	88	74-125	
p-Isopropyltoluene	ug/L	20	17.0	85	73-125	
sec-Butylbenzene	ug/L	20	17.3	87	71-125	
Styrene	ug/L	20	18.0	90	75-125	
tert-Butylbenzene	ug/L	20	17.3	87	73-125	
Tetrachloroethene	ug/L	20	16.6	83	72-125	
Tetrahydrofuran	ug/L	200	210	105	67-125	
Toluene	ug/L	20	17.0	85	75-125	
trans-1,2-Dichloroethene	ug/L	20	17.1	85	72-126	
trans-1,3-Dichloropropene	ug/L	20	20.3	101	75-125	
Trichloroethene	ug/L	20	18.2	91	75-125	
Trichlorofluoromethane	ug/L	20	19.8	99	71-125	
Vinyl acetate	ug/L	20	19.0	95	71-129	
Vinyl chloride	ug/L	20	24.1	120	69-128	
Xylene (Total)	ug/L	60	51.4	86	74-125	
1,2-Dichloroethane-d4 (S)	%			89	75-125	
4-Bromofluorobenzene (S)	%			97	75-125	
Toluene-d8 (S)	%			96	75-125	

MATRIX SPIKE SAMPLE: 1442255

Parameter	Units	10229969002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	18.6	93	75-125	
1,1,1-Trichloroethane	ug/L	ND	20	18.8	94	75-134	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	18.5	93	75-125	
1,1,2-Trichloroethane	ug/L	ND	20	18.8	94	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	1.1	20	24.0	115	75-150	
1,1-Dichloroethane	ug/L	ND	20	19.3	97	75-129	
1,1-Dichloroethene	ug/L	ND	20	19.6	98	75-141	
1,1-Dichloropropene	ug/L	ND	20	19.0	95	75-135	
1,2,3-Trichlorobenzene	ug/L	ND	20	18.7	94	72-125	
1,2,3-Trichloropropane	ug/L	ND	20	16.8	84	75-125	
1,2,4-Trichlorobenzene	ug/L	ND	20	18.6	93	75-125	

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.: 10229969

MATRIX SPIKE SAMPLE: 1442255

Parameter	Units	10229969002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	ND	20	16.4	82	75-125	
1,2-Dibromo-3-chloropropane	ug/L	ND	50	43.1	86	72-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	18.1	91	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	18.1	90	75-125	
1,2-Dichloroethane	ug/L	ND	20	17.8	89	75-125	
1,2-Dichloroethene (Total)	ug/L	ND	40	38.1	95	70-130	
1,2-Dichloropropane	ug/L	ND	20	19.0	95	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	16.4	82	75-125	
1,3-Dichlorobenzene	ug/L	ND	20	17.5	87	75-125	
1,3-Dichloropropane	ug/L	ND	20	18.1	90	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	17.8	89	75-125	
2,2-Dichloropropane	ug/L	ND	20	30.5	153	72-145	CH,M0
2-Butanone (MEK)	ug/L	ND	100	80.1	80	65-125	
2-Chloroethylvinyl ether	ug/L	ND	50	10.3	21	30-150	M1
2-Chlorotoluene	ug/L	ND	20	16.4	82	75-125	
2-Hexanone	ug/L	ND	100	80.6	81	70-125	
2-Methylnaphthalene	ug/L	ND	10	9.0	90	35-150	
4-Chlorotoluene	ug/L	ND	20	16.6	83	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	100	79.8	80	72-125	
Acetone	ug/L	ND	100	118	104	75-125	
Acrolein	ug/L	ND	200	160	80	58-126	
Acrylonitrile	ug/L	ND	200	174	87	74-125	
Allyl chloride	ug/L	ND	20	17.9	90	75-138	
Benzene	ug/L	ND	20	18.8	94	75-129	
Bromobenzene	ug/L	ND	20	17.8	89	75-125	
Bromochloromethane	ug/L	ND	20	19.0	95	75-125	
Bromodichloromethane	ug/L	ND	20	18.1	91	75-125	
Bromoform	ug/L	ND	20	18.5	93	70-129	
Bromomethane	ug/L	ND	20	23.3	116	41-150	
Carbon disulfide	ug/L	ND	20	14.5	73	69-143	
Carbon tetrachloride	ug/L	ND	20	20.3	102	75-137	
Chlorobenzene	ug/L	ND	20	18.0	90	75-125	
Chloroethane	ug/L	ND	20	26.6	133	75-137	
Chloroform	ug/L	ND	20	19.2	96	75-130	
Chloromethane	ug/L	ND	20	25.1	126	57-150	
Chloroprene	ug/L	ND	20	19.2	96	75-139	
cis-1,2-Dichloroethene	ug/L	ND	20	19.6	98	73-139	
cis-1,3-Dichloropropene	ug/L	ND	20	19.6	98	75-125	
Dibromochloromethane	ug/L	ND	20	18.8	94	75-125	
Dibromomethane	ug/L	ND	20	19.7	98	75-125	
Dichlorodifluoromethane	ug/L	ND	20	28.2	141	72-150	
Dichlorofluoromethane	ug/L	ND	20	24.8	124	75-131	
Diethyl ether (Ethyl ether)	ug/L	ND	20	17.8	89	75-125	
Ethylbenzene	ug/L	ND	20	16.6	83	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	22.8	114	74-135	
Iodomethane	ug/L	ND	20	16.3	81	44-134	
Isopropylbenzene (Cumene)	ug/L	ND	20	17.9	89	75-128	
m&p-Xylene	ug/L	ND	40	34.4	86	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.: 10229969

MATRIX SPIKE SAMPLE: 1442255

Parameter	Units	10229969002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methyl-tert-butyl ether	ug/L	ND	20	24.6	123	75-127	
Methylene Chloride	ug/L	ND	20	18.3	92	74-128	
n-Butylbenzene	ug/L	ND	20	17.9	90	75-130	
n-Propylbenzene	ug/L	ND	20	16.8	84	75-127	
Naphthalene	ug/L	ND	20	17.2	86	64-127	
o-Xylene	ug/L	ND	20	17.7	88	75-125	
p-Isopropyltoluene	ug/L	ND	20	17.8	89	75-126	
sec-Butylbenzene	ug/L	ND	20	18.2	91	75-128	
Styrene	ug/L	ND	20	18.0	90	70-129	
tert-Butylbenzene	ug/L	ND	20	17.7	88	75-125	
Tetrachloroethene	ug/L	15.5	20	32.0	82	75-132	
Tetrahydrofuran	ug/L	ND	200	208	104	68-125	
Toluene	ug/L	ND	20	17.6	88	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	18.5	92	75-140	
trans-1,3-Dichloropropene	ug/L	ND	20	20.5	103	75-125	
Trichloroethene	ug/L	ND	20	19.4	97	75-135	
Trichlorofluoromethane	ug/L	ND	20	25.6	128	75-148	
Vinyl acetate	ug/L	ND	20	19.4	97	58-133	
Vinyl chloride	ug/L	ND	20	28.9	144	75-144	
Xylene (Total)	ug/L	ND	60	52.1	87	75-125	
1,2-Dichloroethane-d4 (S)	%				93	75-125	
4-Bromofluorobenzene (S)	%				98	75-125	
Toluene-d8 (S)	%				96	75-125	

SAMPLE DUPLICATE: 1442256

Parameter	Units	10230017001 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	73.5	75.8	3	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	38.0	24.2	44	30	D6
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	13.6	8.3	49	30	D6
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloroethene (Total)	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	63.4	36.6	54	30	D6
1,3-Dichlorobenzene	ug/L	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

SAMPLE DUPLICATE: 1442256

Parameter	Units	10230017001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	2.4	1.5	46	30	D6
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chloroethylvinyl ether	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
2-Methylnaphthalene	ug/L	335	349	4	30	
4-Chlorotoluene	ug/L	13.4	8.5	45	30	D6
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	1.7	1.5	16	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 disulfide	ug/L	ND	.41J		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	2.5	1.7	37	30	D6
Chloroethane	ug/L	70.6	69.6	1	30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
Chloroprene	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	42.1	29.7	34	30	D6
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Iodomethane	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	38.0	24.3	44	30	D6
m&p-Xylene	ug/L	47.0	34.5	31	30	D6
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	25.4	14.6	54	30	D6
n-Propylbenzene	ug/L	58.0	34.9	50	30	D6
Naphthalene	ug/L	287	165	54	30	
o-Xylene	ug/L	36.9	24.1	42	30	D6
p-Isopropyltoluene	ug/L	34.2	22.2	43	30	D6
sec-Butylbenzene	ug/L	17.1	10.8	45	30	D6
Styrene	ug/L	ND	ND		30	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

SAMPLE DUPLICATE: 1442256

Parameter	Units	10230017001 Result	Dup Result	RPD	Max RPD	Qualifiers
tert-Butylbenzene	ug/L	2.5	1.8	35	30	D6
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	6.3	4.9	25	30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	ND		30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	ND	ND		30	
Xylene (Total)	ug/L	83.8	58.6	35	30	
1,2-Dichloroethane-d4 (S)	%	101	99	2		
4-Bromofluorobenzene (S)	%	106	103	3		
Toluene-d8 (S)	%	100	100	.2		

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

CH	The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
D6	The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10229969

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10229969001	**AS - INFLUENT**	EPA 624	MSV/23815		
10229969002	**AS - EFFLUENT**	EPA 624	MSV/23815		

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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.

1138

10229969

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 ☐ _ ☐ N ☐ ☐ ☐ OH ☐ SC ☐ VI ☐ THER____

Filtered (Y/N)

Requested Ana

EPA 624

Pace Project Number Lab I.D.

Section D **Required** Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / ,-)

Samples IDs MUST BE UNIQUE

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	EPA 624	Pace Project Number Lab I.D.
1	As-Influent	W	G	5/23/13	12:30				3									X	001
2	As-Effluent	W	G	5/23/13	12:35				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
			Cliff Koos	5-24-13	8:30

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER:

DATE Signed (MM / DD / YY): 5/24/13

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: Landmark Env.

Project #: WO#: 10229969

10229969

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): 6.0 **Cooler Temp Corrected (°C):** 5.9 **Biological Tissue Frozen?** ☐ Yes ☑ No

Temp should be above freezing to 6°C **Correction Factor:** -.1 **Date and Initials of Person Examining Contents:** CAH 5-24-13

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.
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: CW Lot # of added preservative:
Headspace in VOA Vials (>6mm)?	☑ Yes	☐ No	☐ N/A	14. Y3 - AS - Influent
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:** 5/28/13

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
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(612)607-1700

March 05, 2013

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

RE: Project: CRC City of Rochester
Pace Project No.: 10221079

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on February 26, 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,

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10221079

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
North Dakota Certification #: R-036A
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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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10221079

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10221079001	**DPE-Exhaust-1051**	Air	02/25/13 20:30	02/26/13 14:18

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10221079

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10221079001	**DPE-Exhaust-1051**	TO-15	DR1	61

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10221079

Sample: DPE-Exhaust-1051 **Lab ID: 10221079001** Collected: 02/25/13 20:30 Received: 02/26/13 14:18 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**48.0**	ug/m3	22.5	46.9		03/01/13 19:38	67-64-1	
Benzene	**18.0**	ug/m3	15.2	46.9		03/01/13 19:38	71-43-2	
Benzyl chloride	ND	ug/m3	49.2	46.9		03/01/13 19:38	100-44-7	
Bromodichloromethane	ND	ug/m3	63.8	46.9		03/01/13 19:38	75-27-4	
Bromoform	ND	ug/m3	98.5	46.9		03/01/13 19:38	75-25-2	
Bromomethane	ND	ug/m3	37.1	46.9		03/01/13 19:38	74-83-9	
1,3-Butadiene	ND	ug/m3	21.1	46.9		03/01/13 19:38	106-99-0	
2-Butanone (MEK)	ND	ug/m3	28.1	46.9		03/01/13 19:38	78-93-3	
Carbon disulfide	ND	ug/m3	29.5	46.9		03/01/13 19:38	75-15-0	
Carbon tetrachloride	ND	ug/m3	30.0	46.9		03/01/13 19:38	56-23-5	
Chlorobenzene	ND	ug/m3	44.1	46.9		03/01/13 19:38	108-90-7	
Chloroethane	ND	ug/m3	25.3	46.9		03/01/13 19:38	75-00-3	
Chloroform	ND	ug/m3	46.4	46.9		03/01/13 19:38	67-66-3	
Chloromethane	ND	ug/m3	19.7	46.9		03/01/13 19:38	74-87-3	
Cyclohexane	**104**	ug/m3	32.8	46.9		03/01/13 19:38	110-82-7	
Dibromochloromethane	ND	ug/m3	81.1	46.9		03/01/13 19:38	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	73.2	46.9		03/01/13 19:38	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	57.2	46.9		03/01/13 19:38	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	57.2	46.9		03/01/13 19:38	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	57.2	46.9		03/01/13 19:38	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	47.4	46.9		03/01/13 19:38	75-71-8	
1,1-Dichloroethane	ND	ug/m3	38.5	46.9		03/01/13 19:38	75-34-3	
1,2-Dichloroethane	ND	ug/m3	19.2	46.9		03/01/13 19:38	107-06-2	
1,1-Dichloroethene	ND	ug/m3	38.0	46.9		03/01/13 19:38	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	38.0	46.9		03/01/13 19:38	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	38.0	46.9		03/01/13 19:38	156-60-5	
1,2-Dichloropropane	ND	ug/m3	44.1	46.9		03/01/13 19:38	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	43.1	46.9		03/01/13 19:38	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	43.1	46.9		03/01/13 19:38	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	66.6	46.9		03/01/13 19:38	76-14-2	
Ethanol	**105**	ug/m3	17.8	46.9		03/01/13 19:38	64-17-5	
Ethyl acetate	ND	ug/m3	34.2	46.9		03/01/13 19:38	141-78-6	
Ethylbenzene	ND	ug/m3	41.3	46.9		03/01/13 19:38	100-41-4	
4-Ethyltoluene	ND	ug/m3	46.9	46.9		03/01/13 19:38	622-96-8	
n-Heptane	ND	ug/m3	38.9	46.9		03/01/13 19:38	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	103	46.9		03/01/13 19:38	87-68-3	
n-Hexane	**56.2**	ug/m3	33.8	46.9		03/01/13 19:38	110-54-3	L1
2-Hexanone	ND	ug/m3	38.9	46.9		03/01/13 19:38	591-78-6	
Methylene Chloride	**45.6**	ug/m3	33.3	46.9		03/01/13 19:38	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	38.9	46.9		03/01/13 19:38	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	34.2	46.9		03/01/13 19:38	1634-04-4	
Naphthalene	ND	ug/m3	50.2	46.9		03/01/13 19:38	91-20-3	
2-Propanol	ND	ug/m3	23.4	46.9		03/01/13 19:38	67-63-0	
Propylene	ND	ug/m3	16.4	46.9		03/01/13 19:38	115-07-1	
Styrene	ND	ug/m3	40.8	46.9		03/01/13 19:38	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	32.7	46.9		03/01/13 19:38	79-34-5	
Tetrachloroethene	**1600**	ug/m3	32.3	46.9		03/01/13 19:38	127-18-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10221079

Sample: DPE-Exhaust-1051 **Lab ID: 10221079001** Collected: 02/25/13 20:30 Received: 02/26/13 14:18 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	ND	ug/m3	28.1	46.9		03/01/13 19:38	109-99-9	
Toluene	**54.7**	ug/m3	36.1	46.9		03/01/13 19:38	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	70.8	46.9		03/01/13 19:38	120-82-1	
1,1,1-Trichloroethane	ND	ug/m3	52.1	46.9		03/01/13 19:38	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	25.8	46.9		03/01/13 19:38	79-00-5	
Trichloroethene	ND	ug/m3	25.8	46.9		03/01/13 19:38	79-01-6	
Trichlorofluoromethane	ND	ug/m3	53.5	46.9		03/01/13 19:38	75-69-4	
1,1,2-Trichlorotrifluoroethane	**7040**	ug/m3	75.0	46.9		03/01/13 19:38	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	46.9	46.9		03/01/13 19:38	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	46.9	46.9		03/01/13 19:38	108-67-8	
Vinyl acetate	ND	ug/m3	33.6	46.9		03/01/13 19:38	108-05-4	
Vinyl chloride	ND	ug/m3	12.2	46.9		03/01/13 19:38	75-01-4	
m&p-Xylene	ND	ug/m3	82.5	46.9		03/01/13 19:38	179601-23-1	
o-Xylene	ND	ug/m3	41.3	46.9		03/01/13 19:38	95-47-6	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221079

QC Batch: AIR/16860
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10221079001

METHOD BLANK: 1384799
Matrix: Air
Associated Lab Samples: 10221079001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	03/01/13 15:14	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	03/01/13 15:14	
1,1,2-Trichloroethane	ug/m3	ND	0.55	03/01/13 15:14	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	03/01/13 15:14	
1,1-Dichloroethane	ug/m3	ND	0.82	03/01/13 15:14	
1,1-Dichloroethene	ug/m3	ND	0.81	03/01/13 15:14	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	03/01/13 15:14	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	03/01/13 15:14	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	03/01/13 15:14	
1,2-Dichlorobenzene	ug/m3	ND	1.2	03/01/13 15:14	
1,2-Dichloroethane	ug/m3	ND	0.41	03/01/13 15:14	
1,2-Dichloropropane	ug/m3	ND	0.94	03/01/13 15:14	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	03/01/13 15:14	
1,3-Butadiene	ug/m3	ND	0.45	03/01/13 15:14	
1,3-Dichlorobenzene	ug/m3	ND	1.2	03/01/13 15:14	
1,4-Dichlorobenzene	ug/m3	ND	1.2	03/01/13 15:14	
2-Butanone (MEK)	ug/m3	ND	0.60	03/01/13 15:14	
2-Hexanone	ug/m3	ND	0.83	03/01/13 15:14	
2-Propanol	ug/m3	ND	0.50	03/01/13 15:14	
4-Ethyltoluene	ug/m3	ND	1.0	03/01/13 15:14	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	03/01/13 15:14	
Acetone	ug/m3	ND	0.48	03/01/13 15:14	
Benzene	ug/m3	ND	0.32	03/01/13 15:14	
Benzyl chloride	ug/m3	ND	1.0	03/01/13 15:14	
Bromodichloromethane	ug/m3	ND	1.4	03/01/13 15:14	
Bromoform	ug/m3	ND	2.1	03/01/13 15:14	
Bromomethane	ug/m3	ND	0.79	03/01/13 15:14	
Carbon disulfide	ug/m3	ND	0.63	03/01/13 15:14	
Carbon tetrachloride	ug/m3	ND	0.64	03/01/13 15:14	
Chlorobenzene	ug/m3	ND	0.94	03/01/13 15:14	
Chloroethane	ug/m3	ND	0.54	03/01/13 15:14	
Chloroform	ug/m3	ND	0.99	03/01/13 15:14	
Chloromethane	ug/m3	ND	0.42	03/01/13 15:14	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	03/01/13 15:14	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	03/01/13 15:14	
Cyclohexane	ug/m3	ND	0.70	03/01/13 15:14	
Dibromochloromethane	ug/m3	ND	1.7	03/01/13 15:14	
Dichlorodifluoromethane	ug/m3	ND	1.0	03/01/13 15:14	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	03/01/13 15:14	
Ethanol	ug/m3	ND	0.38	03/01/13 15:14	
Ethyl acetate	ug/m3	ND	0.73	03/01/13 15:14	
Ethylbenzene	ug/m3	ND	0.88	03/01/13 15:14	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	03/01/13 15:14	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221079

METHOD BLANK: 1384799 Matrix: Air

Associated Lab Samples: 10221079001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	03/01/13 15:14	
Methyl-tert-butyl ether	ug/m3	ND	0.73	03/01/13 15:14	
Methylene Chloride	ug/m3	ND	0.71	03/01/13 15:14	
n-Heptane	ug/m3	ND	0.83	03/01/13 15:14	
n-Hexane	ug/m3	ND	0.72	03/01/13 15:14	
Naphthalene	ug/m3	ND	1.1	03/01/13 15:14	
o-Xylene	ug/m3	ND	0.88	03/01/13 15:14	
Propylene	ug/m3	ND	0.35	03/01/13 15:14	
Styrene	ug/m3	ND	0.87	03/01/13 15:14	
Tetrachloroethene	ug/m3	ND	0.69	03/01/13 15:14	
Tetrahydrofuran	ug/m3	ND	0.60	03/01/13 15:14	
Toluene	ug/m3	ND	0.77	03/01/13 15:14	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	03/01/13 15:14	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	03/01/13 15:14	
Trichloroethene	ug/m3	ND	0.55	03/01/13 15:14	
Trichlorofluoromethane	ug/m3	ND	1.1	03/01/13 15:14	
Vinyl acetate	ug/m3	ND	0.72	03/01/13 15:14	
Vinyl chloride	ug/m3	ND	0.26	03/01/13 15:14	

LABORATORY CONTROL SAMPLE: 1384800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	52.4	94	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	66.9	96	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	53.3	96	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	72.5	93	65-130	
1,1-Dichloroethane	ug/m3	41.2	36.5	89	66-131	
1,1-Dichloroethene	ug/m3	40.3	39.0	97	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	86.8	115	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	50.3	101	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	79.8	102	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	61.3	100	68-148	
1,2-Dichloroethane	ug/m3	41.2	40.7	99	66-136	
1,2-Dichloropropane	ug/m3	47	41.0	87	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	56.8	114	69-136	
1,3-Butadiene	ug/m3	22.5	20.5	91	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	69.2	113	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	65.5	107	66-134	
2-Butanone (MEK)	ug/m3	30	37.8	126	69-141	
2-Hexanone	ug/m3	41.7	41.6	100	74-132	
2-Propanol	ug/m3	25	25.3	101	64-139	
4-Ethyltoluene	ug/m3	50	51.3	103	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	43.1	103	74-131	
Acetone	ug/m3	24.2	25.2	104	62-142	
Benzene	ug/m3	32.5	31.7	98	72-136	

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.: 10221079

LABORATORY CONTROL SAMPLE: 1384800

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	51.7	98	70-134	
Bromodichloromethane	ug/m3	68.2	66.2	97	69-135	
Bromoform	ug/m3	105	107	102	72-133	
Bromomethane	ug/m3	39.5	34.3	87	65-125	
Carbon disulfide	ug/m3	31.7	30.8	97	68-127	
Carbon tetrachloride	ug/m3	64	61.5	96	64-133	
Chlorobenzene	ug/m3	46.8	44.1	94	65-135	
Chloroethane	ug/m3	26.8	24.0	90	63-129	
Chloroform	ug/m3	49.7	43.5	88	66-129	
Chloromethane	ug/m3	21	20.3	97	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	38.7	96	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	46.1	100	75-137	
Cyclohexane	ug/m3	35	33.5	96	73-139	
Dibromochloromethane	ug/m3	86.6	86.0	99	73-130	
Dichlorodifluoromethane	ug/m3	50.3	45.6	91	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	68.5	96	64-131	
Ethanol	ug/m3	19.2	17.8	93	62-134	
Ethyl acetate	ug/m3	36.6	34.2	93	73-136	
Ethylbenzene	ug/m3	44.2	46.0	104	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	111	103	30-150	
m&p-Xylene	ug/m3	44.2	47.1	107	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	34.8	95	71-134	
Methylene Chloride	ug/m3	35.3	35.0	99	59-140	
n-Heptane	ug/m3	41.7	38.6	92	73-136	
n-Hexane	ug/m3	35.8	60.9	170	67-136	L1
Naphthalene	ug/m3	53.3	66.1	124	30-150	
o-Xylene	ug/m3	44.2	47.4	107	74-135	
Propylene	ug/m3	17.5	19.1	109	66-138	
Styrene	ug/m3	43.3	48.0	111	73-135	
Tetrachloroethene	ug/m3	69	73.2	106	66-135	
Tetrahydrofuran	ug/m3	30	28.9	96	73-130	
Toluene	ug/m3	38.3	35.3	92	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	39.3	98	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	42.4	92	75-129	
Trichloroethene	ug/m3	54.6	51.8	95	68-134	
Trichlorofluoromethane	ug/m3	57.1	50.1	88	61-134	
Vinyl acetate	ug/m3	35.8	36.0	100	70-139	
Vinyl chloride	ug/m3	26	23.7	91	64-134	

SAMPLE DUPLICATE: 1385705

Parameter	Units	10220419001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	ND		25	
1,1-Dichloroethane	ug/m3	ND	ND		25	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221079

SAMPLE DUPLICATE: 1385705

Parameter	Units	10220419001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	ND	ND		25	
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	ND	ND		25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	ND	ND		25	
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	ND		25	
n-Heptane	ug/m3	ND	ND		25	
n-Hexane	ug/m3	67.4	69.1	2	25	L1
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	ND	ND		25	

Pace Analytical Services, Inc.
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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10221079

SAMPLE DUPLICATE: 1385705

Parameter	Units	10220419001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10221079

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: 10221079001

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

ANALYTE QUALIFIERS

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

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.: 10221079

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10221079001	**DPE-Exhaust-1051**	TO-15	AIR/16860		

Data File: \\192.168.10.12\chem\10air0.i\030113.b\06022.D
Report Date: 04-Mar-2013 10:23

Pace Analytical Services, Inc.

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Client SDG: 030113.b
Lab Smp Id: 10221079001
Operator : DR1
Sample Date:
Sample Location:
Sample Point:
Sample Matrix: AIR
Date Received:
Analysis Type: VOA
Level: LOW
Inj Date: 01-MAR-2013 19:38

Number TICs found: 2

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	3.845	329	J
2. 96-37-7	Cyclopentane, methyl-	6.488	59.9	NJ

Data File: \\192.168.10.12\chem\10air0.i\030113.b\06022.D
Report Date: 04-Mar-2013 10:23

Pace Analytical Services, Inc.

TO15 Analysis (UNIX)

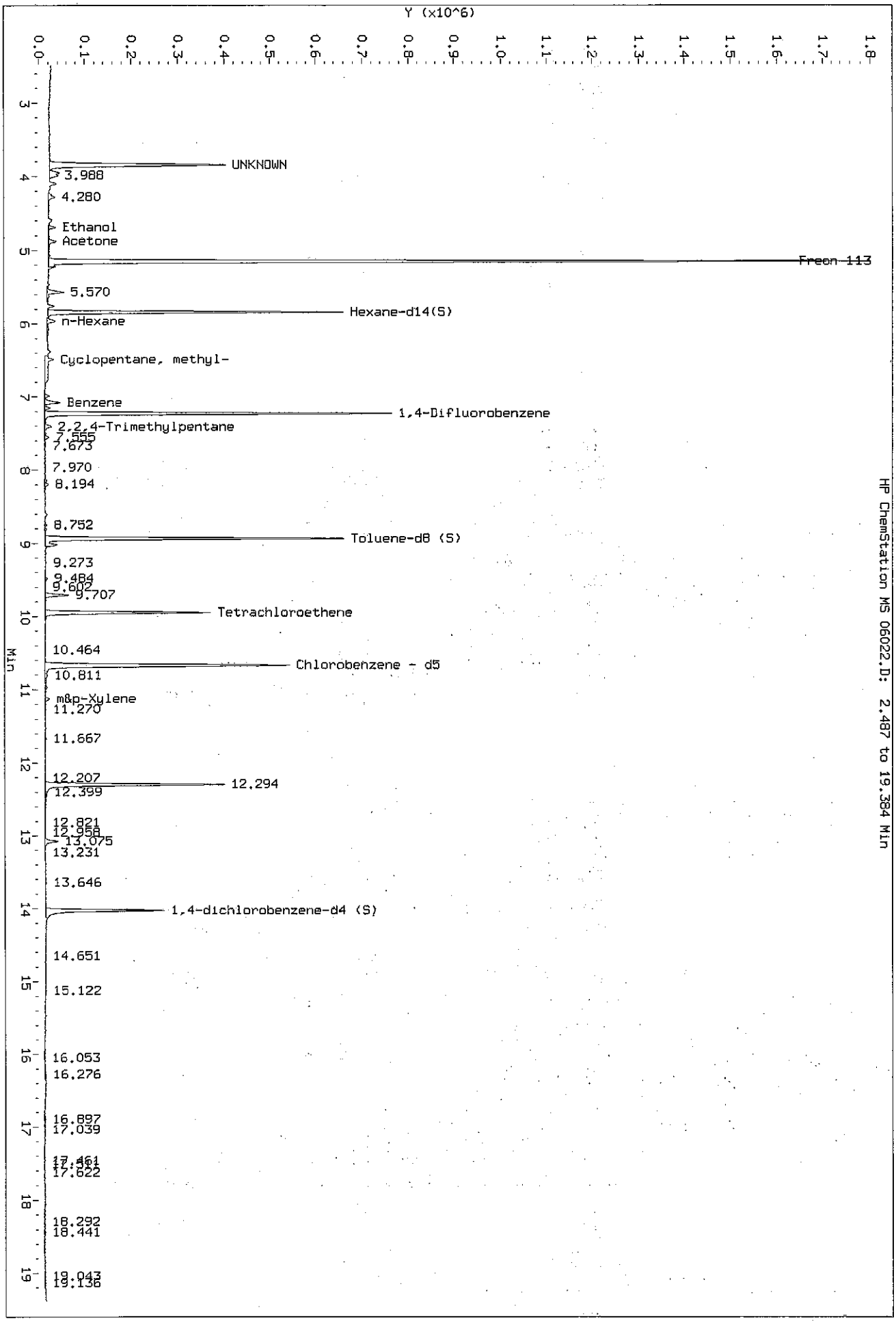
Data file : \\192.168.10.12\chem\10air0.i\030113.b\06022.D
Lab Smp Id: 10221079001
Inj Date : 01-MAR-2013 19:38
Operator : DR1 Inst ID: 10air0.i
Smp Info :
Misc Info : 16860
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air0.i\030113.b\TO15_060-13.m
Meth Date : 01-Mar-2013 13:26 drandall Quant Type: ISTD
Cal Date : 01-MAR-2013 12:48 Cal File: 06008.D
Als bottle: 22
Dil Factor: 46.90000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	46.900	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

ISTD	RT	AREA	AMOUNT
* 38 1,4-Difluorobenzene	7.232	1427557	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
3.845	1002873	7.02509912	329	0		0	38
Cyclopentane, methyl-				CAS #: 96-37-7			
6.488	182343	1.27730783	59.9	90	NIST05.L	1468	38


Y (x10^6)
0.0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
1.3
1.4
1.5
1.6
1.7
1.8
Min
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
UNKNOWN
3.988
4.280
Ethanol
Acetone
Freon 113
5.570
Hexane-d14(S)
n-Hexane
Cyclopentane, methyl-
Benzene
1,4-Difluorobenzene
2,2,4-Trimethylpentane
7.555
7.673
7.970
8.194
8.752
Toluene-d8 (S)
9.273
9.484
9.602
9.707
Tetrachloroethene
10.464
Chlorobenzene - d5
10.811
m&p-Xylene
11.270
11.667
12.207
12.294
12.399
12.821
12.958
13.075
13.231
13.646
1,4-dichlorobenzene-d4 (S)
14.651
15.122
16.053
16.276
16.897
17.039
17.461
17.522
17.622
18.292
18.441
19.043
19.136
HP ChemStation MS 06022.D: 2.487 to 19.384 Min
Data File: \\192.168.10.12\chem\10air0.i\030113.b\06022.D
Injection Date: 01-MAR-2013 19:38
Instrument: 10air0.i
Client Sample ID:

Pace Analytical
www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

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

10221079

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

SAMPLE ID

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

Valid Matrix Codes

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

ITEM #	Section D SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: TO-15	Pace Project Number / Lab I.D.
1	DPE-EXHAUST-1051	A	C	2/25/13	14:30	2/25/13	20:30											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
			PACE	2/26/13	1418

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

SIGNATURE of SAMPLER: DATE Signed (MM / DD / YY) 2/26/13

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 Environmental

Project #: WO#: 10221079

10221079

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☒ Commercial ☐ Pace ☐ Other: 2-26

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): amb **Corrected Temp (°C):** _____ **Thermom. Used:** ☐ B88A912167504 ☐ 80512447 ☐ 72337080

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 2-26-13

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: 1 can IFC				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12.

Samples Received:

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
IPE-Exhaust	Pace 1051		FC 0223		

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: _____ **Date:** 02/27/13

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

July 09, 2013

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

RE: Project: CRC City of Rochester
Pace Project No.: 10233590

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

Carolynne Trout

Carolynne Trout

carolynne.trout@pacelabs.com
Project Manager

Enclosures

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

CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10233590

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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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10233590

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10233590001	**DPE-EXHAUST-1068**	Air	06/26/13 15:00	06/27/13 10:12

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10233590

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10233590001	**DPE-EXHAUST-1068**	TO-15	CJR	61

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10233590

Sample: DPE-EXHAUST-1068 **Lab ID: 10233590001** Collected: 06/26/13 15:00 Received: 06/27/13 10:12 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Dichlorodifluoromethane	ND	ug/m3	2.7	2.69		07/04/13 14:54	75-71-8	
Chloromethane	ND	ug/m3	1.1	2.69		07/04/13 14:54	74-87-3	
Dichlorotetrafluoroethane	ND	ug/m3	3.8	2.69		07/04/13 14:54	76-14-2	
Vinyl chloride	ND	ug/m3	0.70	2.69		07/04/13 14:54	75-01-4	
Bromomethane	ND	ug/m3	2.1	2.69		07/04/13 14:54	74-83-9	
Chloroethane	ND	ug/m3	1.5	2.69		07/04/13 14:54	75-00-3	
Trichlorofluoromethane	ND	ug/m3	3.1	2.69		07/04/13 14:54	75-69-4	
1,1-Dichloroethene	ND	ug/m3	2.2	2.69		07/04/13 14:54	75-35-4	
1,1,2-Trichlorotrifluoroethane	**98.2**	ug/m3	4.3	2.69		07/04/13 14:54	76-13-1	
Methylene Chloride	ND	ug/m3	1.9	2.69		07/04/13 14:54	75-09-2	
1,1-Dichloroethane	ND	ug/m3	2.2	2.69		07/04/13 14:54	75-34-3	
cis-1,2-Dichloroethene	ND	ug/m3	2.2	2.69		07/04/13 14:54	156-59-2	
Chloroform	ND	ug/m3	2.7	2.69		07/04/13 14:54	67-66-3	
1,1,1-Trichloroethane	ND	ug/m3	3.0	2.69		07/04/13 14:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.5	2.69		07/04/13 14:54	79-00-5	
1,2-Dichloroethane	ND	ug/m3	1.1	2.69		07/04/13 14:54	107-06-2	
Benzene	ND	ug/m3	0.87	2.69		07/04/13 14:54	71-43-2	
Carbon tetrachloride	ND	ug/m3	1.7	2.69		07/04/13 14:54	56-23-5	
1,2-Dichloropropane	ND	ug/m3	2.5	2.69		07/04/13 14:54	78-87-5	
Trichloroethene	ND	ug/m3	1.5	2.69		07/04/13 14:54	79-01-6	
cis-1,3-Dichloropropene	ND	ug/m3	2.5	2.69		07/04/13 14:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	2.5	2.69		07/04/13 14:54	10061-02-6	
Toluene	ND	ug/m3	2.1	2.69		07/04/13 14:54	108-88-3	
1,2-Dibromoethane (EDB)	ND	ug/m3	4.2	2.69		07/04/13 14:54	106-93-4	
Tetrachloroethene	**102**	ug/m3	1.9	2.69		07/04/13 14:54	127-18-4	
Chlorobenzene	ND	ug/m3	2.5	2.69		07/04/13 14:54	108-90-7	
Ethylbenzene	ND	ug/m3	2.4	2.69		07/04/13 14:54	100-41-4	
m&p-Xylene	ND	ug/m3	4.7	2.69		07/04/13 14:54	179601-23-1	
Styrene	ND	ug/m3	2.3	2.69		07/04/13 14:54	100-42-5	
o-Xylene	ND	ug/m3	2.4	2.69		07/04/13 14:54	95-47-6	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.9	2.69		07/04/13 14:54	79-34-5	
1,3,5-Trimethylbenzene	ND	ug/m3	2.7	2.69		07/04/13 14:54	108-67-8	
1,2,4-Trimethylbenzene	ND	ug/m3	2.7	2.69		07/04/13 14:54	95-63-6	
1,3-Dichlorobenzene	ND	ug/m3	3.3	2.69		07/04/13 14:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	3.3	2.69		07/04/13 14:54	106-46-7	
1,2-Dichlorobenzene	ND	ug/m3	3.3	2.69		07/04/13 14:54	95-50-1	
1,2,4-Trichlorobenzene	ND	ug/m3	4.1	2.69		07/04/13 14:54	120-82-1	
Hexachloro-1,3-butadiene	ND	ug/m3	5.9	2.69		07/04/13 14:54	87-68-3	
Tetrahydrofuran	ND	ug/m3	1.6	2.69		07/04/13 14:54	109-99-9	
Acetone	**2.2**	ug/m3	1.3	2.69		07/04/13 14:54	67-64-1	
2-Butanone (MEK)	ND	ug/m3	1.6	2.69		07/04/13 14:54	78-93-3	
n-Hexane	ND	ug/m3	1.9	2.69		07/04/13 14:54	110-54-3	
Methyl-tert-butyl ether	ND	ug/m3	2.0	2.69		07/04/13 14:54	1634-04-4	
Dibromochloromethane	ND	ug/m3	4.7	2.69		07/04/13 14:54	124-48-1	
1,3-Butadiene	ND	ug/m3	1.2	2.69		07/04/13 14:54	106-99-0	
Carbon disulfide	ND	ug/m3	1.7	2.69		07/04/13 14:54	75-15-0	
Vinyl acetate	ND	ug/m3	1.9	2.69		07/04/13 14:54	108-05-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10233590

Sample: DPE-EXHAUST-1068 **Lab ID: 10233590001** Collected: 06/26/13 15:00 Received: 06/27/13 10:12 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Cyclohexane	ND	ug/m3	1.9	2.69		07/04/13 14:54	110-82-7	
Ethyl acetate	ND	ug/m3	2.0	2.69		07/04/13 14:54	141-78-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	2.2	2.69		07/04/13 14:54	108-10-1	
2-Hexanone	ND	ug/m3	2.2	2.69		07/04/13 14:54	591-78-6	
Bromoform	ND	ug/m3	5.6	2.69		07/04/13 14:54	75-25-2	
trans-1,2-Dichloroethene	ND	ug/m3	2.2	2.69		07/04/13 14:54	156-60-5	
Bromodichloromethane	ND	ug/m3	3.7	2.69		07/04/13 14:54	75-27-4	
n-Heptane	ND	ug/m3	2.2	2.69		07/04/13 14:54	142-82-5	
Propylene	ND	ug/m3	0.94	2.69		07/04/13 14:54	115-07-1	
4-Ethyltoluene	ND	ug/m3	2.7	2.69		07/04/13 14:54	622-96-8	
Naphthalene	ND	ug/m3	2.9	2.69		07/04/13 14:54	91-20-3	
Ethanol	**11.1**	ug/m3	1.0	2.69		07/04/13 14:54	64-17-5	CH
2-Propanol	**1.6**	ug/m3	1.3	2.69		07/04/13 14:54	67-63-0	CH
Benzyl chloride	ND	ug/m3	2.8	2.69		07/04/13 14:54	100-44-7	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10233590

QC Batch: AIR/17726
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10233590001

METHOD BLANK: 1471645
Matrix: Air
Associated Lab Samples: 10233590001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	07/04/13 14:25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	07/04/13 14:25	
1,1,2-Trichloroethane	ug/m3	ND	0.55	07/04/13 14:25	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	07/04/13 14:25	
1,1-Dichloroethane	ug/m3	ND	0.82	07/04/13 14:25	
1,1-Dichloroethene	ug/m3	ND	0.81	07/04/13 14:25	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	07/04/13 14:25	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	07/04/13 14:25	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	07/04/13 14:25	
1,2-Dichlorobenzene	ug/m3	ND	1.2	07/04/13 14:25	
1,2-Dichloroethane	ug/m3	ND	0.41	07/04/13 14:25	
1,2-Dichloropropane	ug/m3	ND	0.94	07/04/13 14:25	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	07/04/13 14:25	
1,3-Butadiene	ug/m3	ND	0.45	07/04/13 14:25	
1,3-Dichlorobenzene	ug/m3	ND	1.2	07/04/13 14:25	
1,4-Dichlorobenzene	ug/m3	ND	1.2	07/04/13 14:25	
2-Butanone (MEK)	ug/m3	0.62	0.60	07/04/13 14:25	B
2-Hexanone	ug/m3	ND	0.83	07/04/13 14:25	
2-Propanol	ug/m3	ND	0.50	07/04/13 14:25	
4-Ethyltoluene	ug/m3	ND	1.0	07/04/13 14:25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	07/04/13 14:25	
Acetone	ug/m3	ND	0.48	07/04/13 14:25	
Benzene	ug/m3	ND	0.32	07/04/13 14:25	
Benzyl chloride	ug/m3	ND	1.0	07/04/13 14:25	
Bromodichloromethane	ug/m3	ND	1.4	07/04/13 14:25	
Bromoform	ug/m3	ND	2.1	07/04/13 14:25	
Bromomethane	ug/m3	ND	0.79	07/04/13 14:25	
Carbon disulfide	ug/m3	ND	0.63	07/04/13 14:25	
Carbon tetrachloride	ug/m3	ND	0.64	07/04/13 14:25	
Chlorobenzene	ug/m3	ND	0.94	07/04/13 14:25	
Chloroethane	ug/m3	ND	0.54	07/04/13 14:25	
Chloroform	ug/m3	ND	0.99	07/04/13 14:25	
Chloromethane	ug/m3	ND	0.42	07/04/13 14:25	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	07/04/13 14:25	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	07/04/13 14:25	
Cyclohexane	ug/m3	ND	0.70	07/04/13 14:25	
Dibromochloromethane	ug/m3	ND	1.7	07/04/13 14:25	
Dichlorodifluoromethane	ug/m3	ND	1.0	07/04/13 14:25	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	07/04/13 14:25	
Ethanol	ug/m3	ND	0.38	07/04/13 14:25	
Ethyl acetate	ug/m3	ND	0.73	07/04/13 14:25	
Ethylbenzene	ug/m3	ND	0.88	07/04/13 14:25	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	07/04/13 14:25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10233590

METHOD BLANK: 1471645 Matrix: Air

Associated Lab Samples: 10233590001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	1.8	1.8	07/04/13 14:25	B
Methyl-tert-butyl ether	ug/m3	ND	0.73	07/04/13 14:25	
Methylene Chloride	ug/m3	ND	0.71	07/04/13 14:25	
n-Heptane	ug/m3	ND	0.83	07/04/13 14:25	
n-Hexane	ug/m3	ND	0.72	07/04/13 14:25	
Naphthalene	ug/m3	ND	1.1	07/04/13 14:25	
o-Xylene	ug/m3	ND	0.88	07/04/13 14:25	
Propylene	ug/m3	ND	0.35	07/04/13 14:25	
Styrene	ug/m3	ND	0.87	07/04/13 14:25	
Tetrachloroethene	ug/m3	ND	0.69	07/04/13 14:25	
Tetrahydrofuran	ug/m3	ND	0.60	07/04/13 14:25	
Toluene	ug/m3	ND	0.77	07/04/13 14:25	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	07/04/13 14:25	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	07/04/13 14:25	
Trichloroethene	ug/m3	ND	0.55	07/04/13 14:25	
Trichlorofluoromethane	ug/m3	ND	1.1	07/04/13 14:25	
Vinyl acetate	ug/m3	ND	0.72	07/04/13 14:25	
Vinyl chloride	ug/m3	ND	0.26	07/04/13 14:25	

LABORATORY CONTROL SAMPLE: 1471646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	63.0	113	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	74.1	106	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	57.0	103	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	86.9	112	65-130	
1,1-Dichloroethane	ug/m3	41.2	46.8	114	66-131	
1,1-Dichloroethene	ug/m3	40.3	45.6	113	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	103	136	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	50.2	100	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	92.7	119	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	71.1	116	68-148	
1,2-Dichloroethane	ug/m3	41.2	48.6	118	66-136	
1,2-Dichloropropane	ug/m3	47	53.7	114	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	49.8	100	69-136	
1,3-Butadiene	ug/m3	22.5	25.3	113	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	65.4	107	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	62.1	102	66-134	
2-Butanone (MEK)	ug/m3	30	38.4	128	69-141	
2-Hexanone	ug/m3	41.7	53.3	128	74-132	
2-Propanol	ug/m3	25	33.8	135	64-139	CH
4-Ethyltoluene	ug/m3	50	52.1	104	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	51.6	124	74-131	
Acetone	ug/m3	24.2	25.8	107	62-142	
Benzene	ug/m3	32.5	35.0	108	72-136	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10233590

LABORATORY CONTROL SAMPLE: 1471646

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	69.0	131	70-134	
Bromodichloromethane	ug/m3	68.2	79.4	117	69-135	
Bromoform	ug/m3	105	120	114	72-133	
Bromomethane	ug/m3	39.5	43.6	110	65-125	
Carbon disulfide	ug/m3	31.7	36.2	114	68-127	
Carbon tetrachloride	ug/m3	64	73.9	115	64-133	
Chlorobenzene	ug/m3	46.8	52.1	111	65-135	
Chloroethane	ug/m3	26.8	29.8	111	63-129	
Chloroform	ug/m3	49.7	58.5	118	66-129	
Chloromethane	ug/m3	21	22.6	108	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	48.2	120	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	54.7	119	75-137	
Cyclohexane	ug/m3	35	37.0	106	73-139	
Dibromochloromethane	ug/m3	86.6	102	118	73-130	
Dichlorodifluoromethane	ug/m3	50.3	56.9	113	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	78.7	111	64-131	
Ethanol	ug/m3	19.2	24.9	130	62-134	CH
Ethyl acetate	ug/m3	36.6	45.0	123	73-136	
Ethylbenzene	ug/m3	44.2	45.9	104	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	125	116	30-150	
m&p-Xylene	ug/m3	44.2	44.6	101	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	40.4	110	71-134	
Methylene Chloride	ug/m3	35.3	34.7	98	59-140	
n-Heptane	ug/m3	41.7	45.7	110	73-136	
n-Hexane	ug/m3	35.8	40.3	113	67-136	
Naphthalene	ug/m3	53.3	66.8	125	30-150	
o-Xylene	ug/m3	44.2	44.9	102	74-135	
Propylene	ug/m3	17.5	17.8	102	66-138	
Styrene	ug/m3	43.3	46.2	107	73-135	
Tetrachloroethene	ug/m3	69	75.3	109	66-135	
Tetrahydrofuran	ug/m3	30	35.0	117	73-130	
Toluene	ug/m3	38.3	38.7	101	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	46.2	115	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	58.0	126	75-129	
Trichloroethene	ug/m3	54.6	61.9	113	68-134	
Trichlorofluoromethane	ug/m3	57.1	64.5	113	61-134	
Vinyl acetate	ug/m3	35.8	47.5	133	70-139	
Vinyl chloride	ug/m3	26	29.7	114	64-134	

SAMPLE DUPLICATE: 1473160

Parameter	Units	10233590001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	ND		25	
1,1,2,2-Tetrachloroethane	ug/m3	ND	ND		25	
1,1,2-Trichloroethane	ug/m3	ND	ND		25	
1,1,2-Trichlorotrifluoroethane	ug/m3	98.2	98.4	.2	25	
1,1-Dichloroethane	ug/m3	ND	ND		25	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10233590

SAMPLE DUPLICATE: 1473160

Parameter	Units	10233590001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3	ND	ND		25	
1,2,4-Trichlorobenzene	ug/m3	ND	ND		25	
1,2,4-Trimethylbenzene	ug/m3	ND	ND		25	
1,2-Dibromoethane (EDB)	ug/m3	ND	ND		25	
1,2-Dichlorobenzene	ug/m3	ND	ND		25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3	ND	ND		25	
1,3,5-Trimethylbenzene	ug/m3	ND	ND		25	
1,3-Butadiene	ug/m3	ND	ND		25	
1,3-Dichlorobenzene	ug/m3	ND	ND		25	
1,4-Dichlorobenzene	ug/m3	ND	ND		25	
2-Butanone (MEK)	ug/m3	ND	ND		25	
2-Hexanone	ug/m3	ND	ND		25	
2-Propanol	ug/m3	1.6	1.4	11	25	CH
4-Ethyltoluene	ug/m3	ND	ND		25	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	ND		25	
Acetone	ug/m3	2.2	2.4	7	25	
Benzene	ug/m3	ND	ND		25	
Benzyl chloride	ug/m3	ND	ND		25	
Bromodichloromethane	ug/m3	ND	ND		25	
Bromoform	ug/m3	ND	ND		25	
Bromomethane	ug/m3	ND	ND		25	
Carbon disulfide	ug/m3	ND	ND		25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3	ND	ND		25	
Chloroethane	ug/m3	ND	ND		25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3	ND	ND		25	
cis-1,2-Dichloroethene	ug/m3	ND	ND		25	
cis-1,3-Dichloropropene	ug/m3	ND	ND		25	
Cyclohexane	ug/m3	ND	ND		25	
Dibromochloromethane	ug/m3	ND	ND		25	
Dichlorodifluoromethane	ug/m3	ND	ND		25	
Dichlorotetrafluoroethane	ug/m3	ND	ND		25	
Ethanol	ug/m3	11.1	9.3	17	25	CH
Ethyl acetate	ug/m3	ND	ND		25	
Ethylbenzene	ug/m3	ND	ND		25	
Hexachloro-1,3-butadiene	ug/m3	ND	ND		25	
m&p-Xylene	ug/m3	ND	ND		25	
Methyl-tert-butyl ether	ug/m3	ND	ND		25	
Methylene Chloride	ug/m3	ND	1.1J		25	
n-Heptane	ug/m3	ND	ND		25	
n-Hexane	ug/m3	ND	ND		25	
Naphthalene	ug/m3	ND	ND		25	
o-Xylene	ug/m3	ND	ND		25	
Propylene	ug/m3	ND	ND		25	
Styrene	ug/m3	ND	ND		25	
Tetrachloroethene	ug/m3	102	104	2	25	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10233590

SAMPLE DUPLICATE: 1473160

Parameter	Units	10233590001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3	ND	ND		25	
Toluene	ug/m3	ND	ND		25	
trans-1,2-Dichloroethene	ug/m3	ND	ND		25	
trans-1,3-Dichloropropene	ug/m3	ND	ND		25	
Trichloroethene	ug/m3	ND	ND		25	
Trichlorofluoromethane	ug/m3	ND	ND		25	
Vinyl acetate	ug/m3	ND	ND		25	
Vinyl chloride	ug/m3	ND	ND		25	

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.: 10233590

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: 10233590001

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

ANALYTE QUALIFIERS

B Analyte was detected in the associated method blank.

CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.

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.: 10233590

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10233590001	**DPE-EXHAUST-1068**	TO-15	AIR/17726		

10233590

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.

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

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ THER_____

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

Section D **Required** Client Information

SAMPLE ID

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis: TO-15	Pace Project Number Lab I.D.
1	DPE-EXHAUST-1068	A	C	6/26/13	9:00	6/26/13	15:00											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	6/27/13	1012	AHOB

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

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

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

Project #: WO# : 10233590

10233590

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

Tracking Number: NA

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):** AMB **Thermom. Used:** ☐ B88A912167504 ☐ 80512447 ☐ 72337080

Temp should be above freezing to 6°C **Correction Factor:** _____ **Date & Initials of Person Examining Contents:** 6/27/13 AF

				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: A:S				11.
Sample Labels Match COC?	☒ Yes	☐ No	☐ N/A	12. Note Can used is PACE1086

Samples Received: 1 Can, IFC

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
DPE - Exhaust - 1068	~~PACE1086~~ PACE1086	6/27/13 AF	FC0047		

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

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: CDM **Date:** 6/27/13

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: 05/23/2013	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]):	100	Air Stripper Influent Flow Rate (L/s):	0.011	
	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	53	3				
Benzene	71-43-2						
Benzyl chloride	100-44-7						
Bromodichloromethane	75-27-4						
Bromoform	75-25-2						
Bromomethane (Methyl bromide)	74-83-9						
1,3-Butadiene	106-99-0						
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3						
Carbon disulfide	75-15-0						
Carbon tetrachloride	56-23-5						
Chlorobenzene	108-90-7						
Chloroethane (Ethyl chloride)	75-00-3						
Chloroform	67-66-3						
Chloromethane (Methyl chloride)	74-87-3						
Cyclohexane	110-82-7						
Dibromochloromethane	124-48-1						
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4						
1,2-Dichlorobenzene	95-50-1						
1,3-Dichlorobenzene	541-73-1						
1,4-Dichlorobenzene	106-46-7						
1,1-Dichloroethane	75-34-3						
1,2-Dichloroethane (DCA)	107-06-2						
1,1-Dichloroethene (DCE)	75-35-4						
cis-1,2-Dichloroethene	156-59-2	94	4				
trans-1,2-Dichloroethene	156-60-5						
Dichlorodifluoromethane (Freon 12)	75-71-8						
1,2-Dichloropropane	78-87-5						
cis-1,3-Dichloropropene	10061-01-5						
trans-1,3-Dichloropropene	10061-02-6						
Dichlorotetrafluoroethane (Freon 114)	76-14-2						
Ethanol	64-17-5	123	6				
Ethyl acetate	141-78-6						
Ethylbenzene	100-41-4						
4-Ethyltoluene	622-96-8						
n-Heptane	142-82-5						
Hexachloro-1,3-butadiene	87-68-3						
n-Hexane	110-54-3						
2-Hexanone (Methyl butyl ketone)	591-78-6						
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1						
Methylene chloride (Dichloromethane)	75-09-2						
Methyl-tert-butyl ether (MTBE)	1634-04-4						
Naphthalene	91-20-3						
2-Propanol (Isopropyl alcohol)	67-63-0	39	2				

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

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

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 05/23/2013	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]):	100	Air Stripper Influent Flow Rate (L/s):	0.011	
	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	43,200	2,039	123	16	0.87	1
Tetrahydrofuran	109-99-9						
Toluene (Methylbenzene)	108-88-3	37	2				
1,2,4-Trichlorobenzene	120-82-1						
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6						
1,1,2-Trichloroethane	79-00-5						
Trichloroethylene (TCE)	79-01-6	44	2				
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	13,100	618		1		
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: 05/23/2013
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														
Carbon disulfide	75-15-0														
Carbon tetrachloride	56-23-5														
Chlorobenzene	108-90-7														
Chloroethane (Ethyl chloride)	75-00-3														
Chloroform	67-66-3														
Chloromethane (Methyl chloride)	74-87-3														
Cyclohexane	110-82-7														
Dibromochloromethane	124-48-1														
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4														
1,2-Dichlorobenzene	95-50-1														
1,3-Dichlorobenzene	541-73-1														
1,4-Dichlorobenzene	106-46-7														
1,1-Dichloroethane	75-34-3														
1,2-Dichloroethane (DCA)	107-06-2														
1,1-Dichloroethene (DCE)	75-35-4														
cis-1,2-Dichloroethene	156-59-2														
trans-1,2-Dichloroethene	156-60-5														
Dichlorodifluoromethane (Freon 12)	75-71-8														
1,2-Dichloropropane	78-87-5														
cis-1,3-Dichloropropene*	10061-01-5														
trans-1,3-Dichloropropene*	10061-02-6														
Dichlorotetrafluoroethane (Freon 114)	76-14-2														
Ethanol	64-17-5	0.0		0.0		0.0							0.0		
Ethyl acetate	141-78-6														
Ethylbenzene	100-41-4														
4-Ethyltoluene	622-96-8														
n-Heptane	142-82-5														
Hexachloro-1,3-butadiene	87-68-3														
n-Hexane	110-54-3														
2-Hexanone (Methyl butyl ketone)	591-78-6														
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1														
Methylene chloride (Dichloromethane)	75-09-2														
Methyl-tert-butyl ether (MTBE)	1634-04-4														
Naphthalene	91-20-3														
2-Propanol (Isopropyl alcohol)	67-63-0	0.0		0.0		0.0				0.0		0.0			
Propylene (methylethylene or propene)	115-07-1														
Styrene	100-42-5														
1,1,2,2-Tetrachloroethane	79-34-5														
Tetrachloroethylene (PCE)	127-18-4	0.0	0.0	0.0		0.0	0.0								2E-06
Tetrahydrofuran	109-99-9														

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

Soil Vapor Extraction and/or Air Stripper Risk Evaluation Worksheet

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER
Sample Date: 05/23/2013
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														
1,1,2-Trichloroethane	79-00-5														
Trichloroethylene (TCE)	79-01-6	0.0			0.0	0.0	0.0								1E-08
Trichlorofluoromethane (Freon 11)	75-69-4														
Trichlorotrifluoroethane (Freon 113)	76-13-1					0.0								0.0	
1,2,4-Trimethylbenzene	95-63-6														
1,3,5-Trimethylbenzene	108-67-8														
Vinyl acetate	108-05-4														
Vinyl chloride	75-01-4														
m&p-Xylene**	108-38-3														
o-Xylene**	95-47-6														
Hazard Index:			0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7E-06

NOTES:

* based on 1,3-Dichloropropene (CAS # 542-75-6)
** based on total Xylenes (CAS # 1330-20-7)

In general, total excess lifetime cancer risk is not to exceed 1E-5 and a hazard index (or chemical-specific hazard quotient) is not to exceed 1. The additive results are shown with one decimal point, which is intended to show transparency with the addition of risk but not to imply a level of precision greater than one significant figure. Risk managers may want to round to one significant figure when comparing to a cancer risk of 1E-5 or a hazard index of 1. Exceedance of these levels, which are bolded in text when met or exceeded, may require air emission controls.

CNS = Central Nervous System
CV/BLD = Cardiovascular or Blood System
IMMUN = Immune System
IRRIT = Irritant (nasal, eye, throat irritation)
KIDN = Kidney
LIVER/GI = Liver/Gastrointestinal
REPRO = Reproductive System, including developmental effects
RESP = Respiratory System

Minnesota Pollution Control Agency

Petroleum Remediation Program Air Emissions Screening Spreadsheet

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

Doc Type: Corrective Action Design

MPCA Leak ID: MN BIO BUSINESS CENTER	**Enter SVE Standard Parameters**		**Enter AS Standard Parameters**		
Sample Date: 7/12/2013	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]):	93	Air Stripper Influent Flow Rate (L/s):	0.017	
	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	2	0				
Benzene	71-43-2						
Benzyl chloride	100-44-7						
Bromodichloromethane	75-27-4						
Bromoform	75-25-2						
Bromomethane (Methyl bromide)	74-83-9						
1,3-Butadiene	106-99-0						
2-Butanone (Methyl ethyl ketone, MEK)	78-93-3						
Carbon disulfide	75-15-0						
Carbon tetrachloride	56-23-5						
Chlorobenzene	108-90-7						
Chloroethane (Ethyl chloride)	75-00-3						
Chloroform	67-66-3						
Chloromethane (Methyl chloride)	74-87-3						
Cyclohexane	110-82-7						
Dibromochloromethane	124-48-1						
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4						
1,2-Dichlorobenzene	95-50-1						
1,3-Dichlorobenzene	541-73-1						
1,4-Dichlorobenzene	106-46-7						
1,1-Dichloroethane	75-34-3						
1,2-Dichloroethane (DCA)	107-06-2						
1,1-Dichloroethene (DCE)	75-35-4						
cis-1,2-Dichloroethene	156-59-2						
trans-1,2-Dichloroethene	156-60-5						
Dichlorodifluoromethane (Freon 12)	75-71-8						
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	11	0				
Ethyl acetate	141-78-6						
Ethylbenzene	100-41-4						
4-Ethyltoluene	622-96-8						
n-Heptane	142-82-5						
Hexachloro-1,3-butadiene	87-68-3						
n-Hexane	110-54-3						
2-Hexanone (Methyl butyl ketone)	591-78-6						
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1						
Methylene chloride (Dichloromethane)	75-09-2						
Methyl-tert-butyl ether (MTBE)	1634-04-4						
Naphthalene	91-20-3						
2-Propanol (Isopropyl alcohol)	67-63-0	2	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: 7/12/2013	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]):	93	Air Stripper Influent Flow Rate (L/s):	0.017	
	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	102	4	56	0	1.00	1
Tetrahydrofuran	109-99-9						
Toluene (Methylbenzene)	108-88-3						
1,2,4-Trichlorobenzene	120-82-1						
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6						
1,1,2-Trichloroethane	79-00-5						
Trichloroethylene (TCE)	79-01-6						
Trichlorofluoromethane (Freon 11)	75-69-4						
Trichlorotrifluoroethane (Freon 113)	76-13-1	98	4				
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: 7/12/2013
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														
Carbon disulfide	75-15-0														
Carbon tetrachloride	56-23-5														
Chlorobenzene	108-90-7														
Chloroethane (Ethyl chloride)	75-00-3														
Chloroform	67-66-3														
Chloromethane (Methyl chloride)	74-87-3														
Cyclohexane	110-82-7														
Dibromochloromethane	124-48-1														
1,2-Dibromoethane (Ethylene dibromide, EDB)	106-93-4														
1,2-Dichlorobenzene	95-50-1														
1,3-Dichlorobenzene	541-73-1														
1,4-Dichlorobenzene	106-46-7														
1,1-Dichloroethane	75-34-3														
1,2-Dichloroethane (DCA)	107-06-2														
1,1-Dichloroethene (DCE)	75-35-4														
cis-1,2-Dichloroethene	156-59-2														
trans-1,2-Dichloroethene	156-60-5														
Dichlorodifluoromethane (Freon 12)	75-71-8														
1,2-Dichloropropane	78-87-5														
cis-1,3-Dichloropropene*	10061-01-5														
trans-1,3-Dichloropropene*	10061-02-6														
Dichlorotetrafluoroethane (Freon 114)	76-14-2														
Ethanol	64-17-5	0.0		0.0		0.0							0.0		
Ethyl acetate	141-78-6														
Ethylbenzene	100-41-4														
4-Ethyltoluene	622-96-8														
n-Heptane	142-82-5														
Hexachloro-1,3-butadiene	87-68-3														
n-Hexane	110-54-3														
2-Hexanone (Methyl butyl ketone)	591-78-6														
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)	108-10-1														
Methylene chloride (Dichloromethane)	75-09-2														
Methyl-tert-butyl ether (MTBE)	1634-04-4														
Naphthalene	91-20-3														
2-Propanol (Isopropyl alcohol)	67-63-0	0.0		0.0		0.0				0.0		0.0			
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: 7/12/2013
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														
1,2,4-Trichlorobenzene	120-82-1														
1,1,1-Trichloroethane (Methyl chloroform)	71-55-6														
1,1,2-Trichloroethane	79-00-5														
Trichloroethylene (TCE)	79-01-6														
Trichlorofluoromethane (Freon 11)	75-69-4														
Trichlorotrifluoroethane (Freon 113)	76-13-1					0.0								0.0	
1,2,4-Trimethylbenzene	95-63-6														
1,3,5-Trimethylbenzene	108-67-8														
Vinyl acetate	108-05-4														
Vinyl chloride	75-01-4														
m&p-Xylene**	108-38-3														
o-Xylene**	95-47-6														
Hazard Index:			0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6E-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