June 17, 2010

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

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

Dear Mr. Timm and Mr. Olson:

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

Introduction

This report documents the monthly DPE system operational and analytical data from May 12, 2010, as well as quarterly groundwater monitoring data from samples collected on May 12 and 13, 2010. 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.

The DPE system has continued to operate sequentially at all of the DPE system wells after being switched from continuous operation at DPE-1 on October 15, 2009. The DPE system is programmed to operate on each well for 45 minutes before switching to the next well and takes 6 hours to complete one full cycle. 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. Therefore, air emissions from each well are collected during the 6-hour sample collection period.

System Operational Results

The volatile organic compound (VOC) and perchloroethene (PCE) concentrations from the May 12, 2010, sampling event decreased 88.5 percent and 90.1 percent, respectively, compared to the concentrations observed during the April 16, 2010, sampling event. When compared to the baseline emissions data from April 9, 2009, the concentrations of VOCs decreased from 14,613,880 micrograms per cubic meter (ug/m^3) to 50,553 ug/m^3 of total VOCs, a decrease of 99.7 percent (See Figure 4). PCE concentrations decreased from 11,600,000 ug/m^3 to 27,900 ug/m^3, a decrease of 99.6 percent from the baseline concentration (See Figure 4). During this period, the DPE system removed 9.9 pounds of total VOCs, including 5.5 pounds from PCE (see Figure 5 and Table 2). Through May 12, 2010, the DPE system has removed a total of 2,961

pounds of total VOCs and 2,335 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) Remediation Risk Analysis Screening Spreadsheet (RRASS) 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 rate for PCE during the April 16, 2010, sampling event was 1,730 micrograms per second (ug/s) and was below the MPCA screening emissions rate (SER) for chronic risk of 16,300 ug/s. The site specific emissions rate for PCE was also below the MPCA SER for acute risk of 5,980,000 ug/s. The RRASS emissions rates are provided in Table 4 and the RRASS spreadsheets are provided in Attachment C.

The cumulative total VOC mass removed from the DPE system groundwater discharge during air stripper operation was 0.28 pounds on May 12, 2010. The effluent groundwater discharge concentrations were below the City's Water Reclamation Plant discharge criteria of 2,130 ug/L. Mass removal data from the groundwater treatment system is provided in Table 5 and the groundwater discharge analytical data is included in Table 6. The groundwater discharge analytical reports are provided in Attachment B.

The groundwater hydrographs for the DPE and monitoring wells show decreasing trends in the groundwater elevations when compared to the March 25, 2010, monitoring event (Figure's 6 and 7). Landmark's groundwater flow interpretation provided in Figure 8 indicates that the DPE system has been effective in lowering the water table on the Property. 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 12 and 13, 2010. After approximately 11 months of DPE system operation, the PCE concentrations at the following wells have decreased (see Figure 9 and Table 9): MW-14 (90%), MW-15 (97%), MW-16 (94%), MW-18 (90%), MW-20 (67%), DPE-1 (99%), DPE-2 (85%), DPE-3 (99%), DPE-4 (99%), DPE-5 (85%), DPE-6 (92%), and DPE-8 (99.5%). Figure 10 shows the isoconcentration contour map for PCE. 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 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 in a short period of time.
    - From June 29, 2009, through May 12, 2010, the DPE system removed 2,961 pounds of total VOCs, including 2,335 pounds of PCE from the subsurface.
    - DPE system emissions concentrations of VOCs and PCE from February 22, 2010, have decreased 99.7 percent and 99.6 percent, respectively, when compared to the baseline emissions concentrations.
- The May 12, 2010, site specific emissions rates for PCE of 1,730 ug/s was below the SER for both chronic and acute risk.
- Sequential operation of all DPE system wells has effectively lowered the water table at the Property.
- DPE system operation has effectively decreased the concentrations of PCE in the groundwater at the following wells: MW-14 (90%), MW-15 (97%), MW-16 (94%), MW-18 (90%), MW-20 (67%), DPE-1 (99%), DPE-2 (85%), DPE-3 (99%), DPE-4 (99%), DPE-5 (85%), DPE-6 (92%), and DPE-8 (99.5%).

Recommendations

Landmark recommends continuing sequential operation of all eight DPE wells for the next couple of months, or until a significant decrease in emissions concentrations and mass removed is observed.

Additional monthly system operational, analytical, and fluid level data will be collected to better evaluate the system's effectiveness at accomplishing remedial goals, and to make adjustments as necessary to increase effectiveness. This data will be carefully monitored and analyzed, and system adjustments will be made to maintain efficient mass recovery.

Groundwater monitoring will continue on a quarterly basis to assist in evaluating the effect of the DPE system on VOC concentrations in the groundwater.

The monthly DPE system operational results and the groundwater monitoring results will continue to be submitted to the MPCA on a quarterly basis.

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

Sincerely,

Jason D. Skramstad, P.E.

Cc: Terry Spaeth, City of Rochester

F:\PROJECTS\Crc \Monthly System Reports\20100609 DPE GW\20100617 DPE GW Quarterly Report – Final

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FIGURES

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ATTACHMENTS

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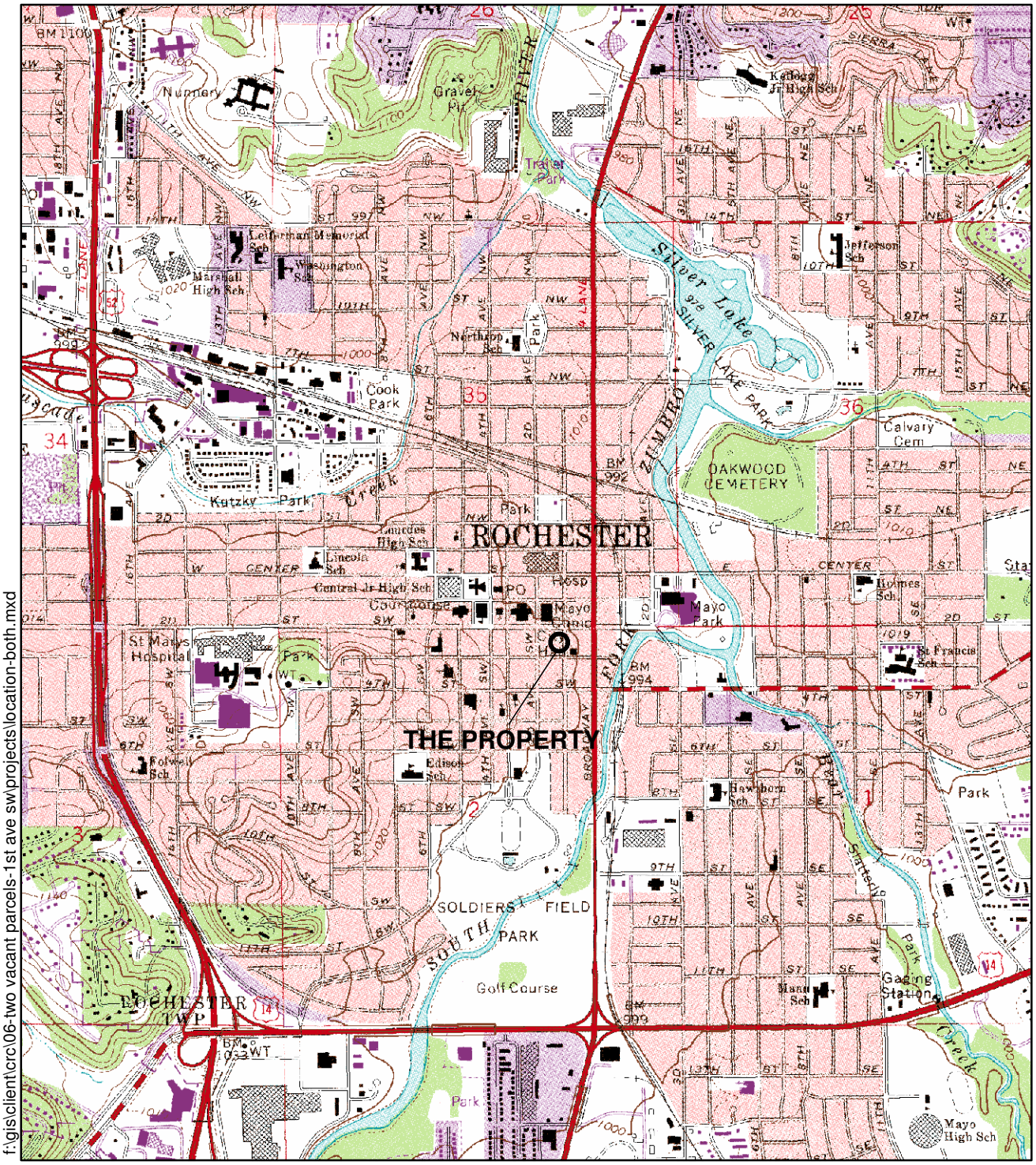


f:\gis\client\crc\06-two vacant parcels-1st ave sw\projects\location-both.mxd

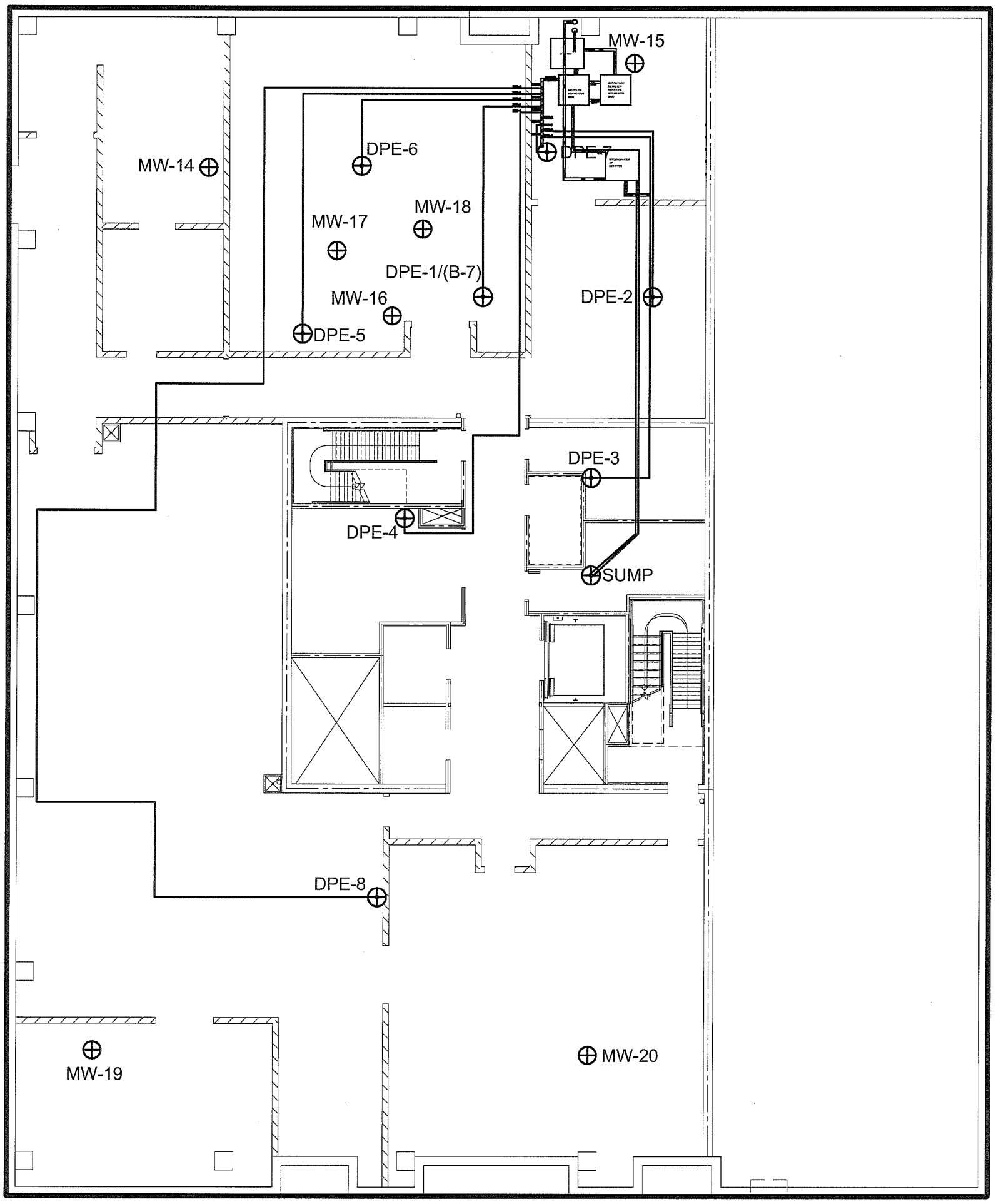
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series

N

2,000 1,000 0 2,000 Feet

FIGURE 1

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



BASEMENT FLOOR PLAN

LEGEND

⊕ DPE, Monitoring Well, or Sump Location

DPE Piping Location

Property Boundary

N

20 feet
SCALE

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

Rev	Date	By	Description

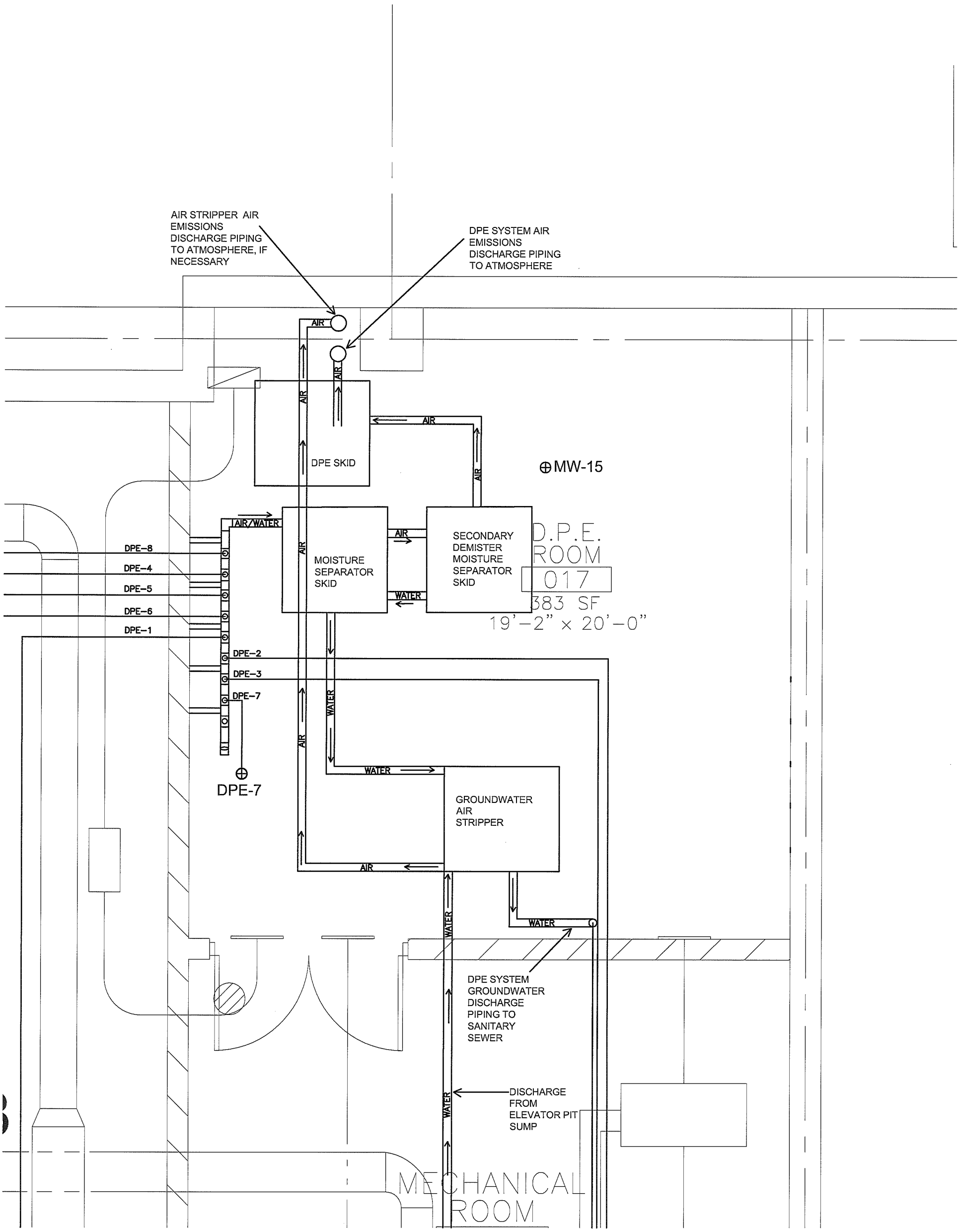
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

FIGURE 2

DPE SYSTEM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

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



LEGEND

N

Existing DPE Piping Location

AIR — Proposed Air Emissions Piping Location

WATER — Proposed Groundwater Discharge Piping Location

1 in = 3 ft
APPROXIMATE SCALE

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

Rev	Date	By	Description

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

FIGURE 3

DPE ROOM LAYOUT

221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

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

FIGURE 4

DPE EMISSIONS CONCENTRATIONS
MN Bio Business Center
221 1st Avenue SW
Rochester, Minnesota

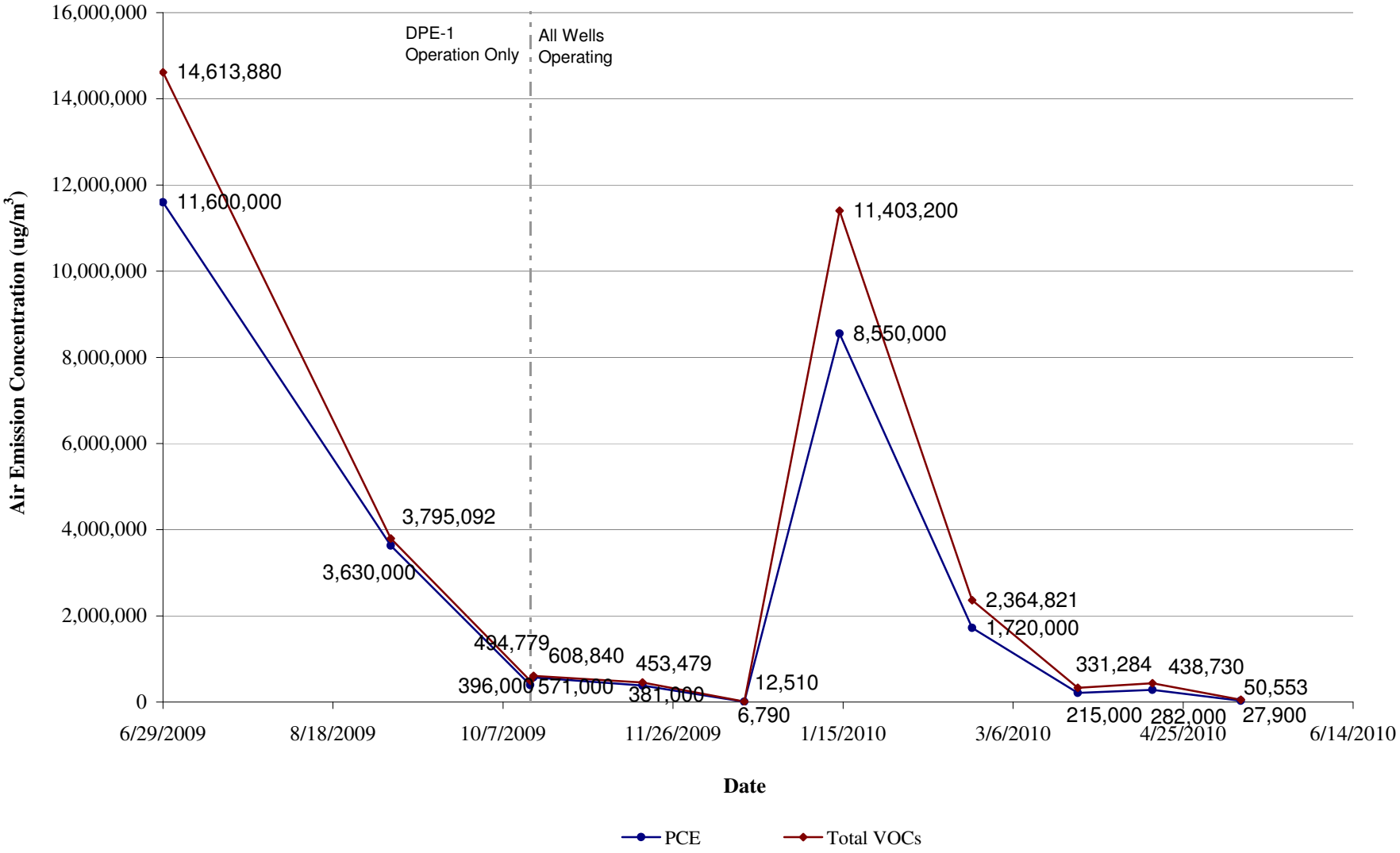


FIGURE 5

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

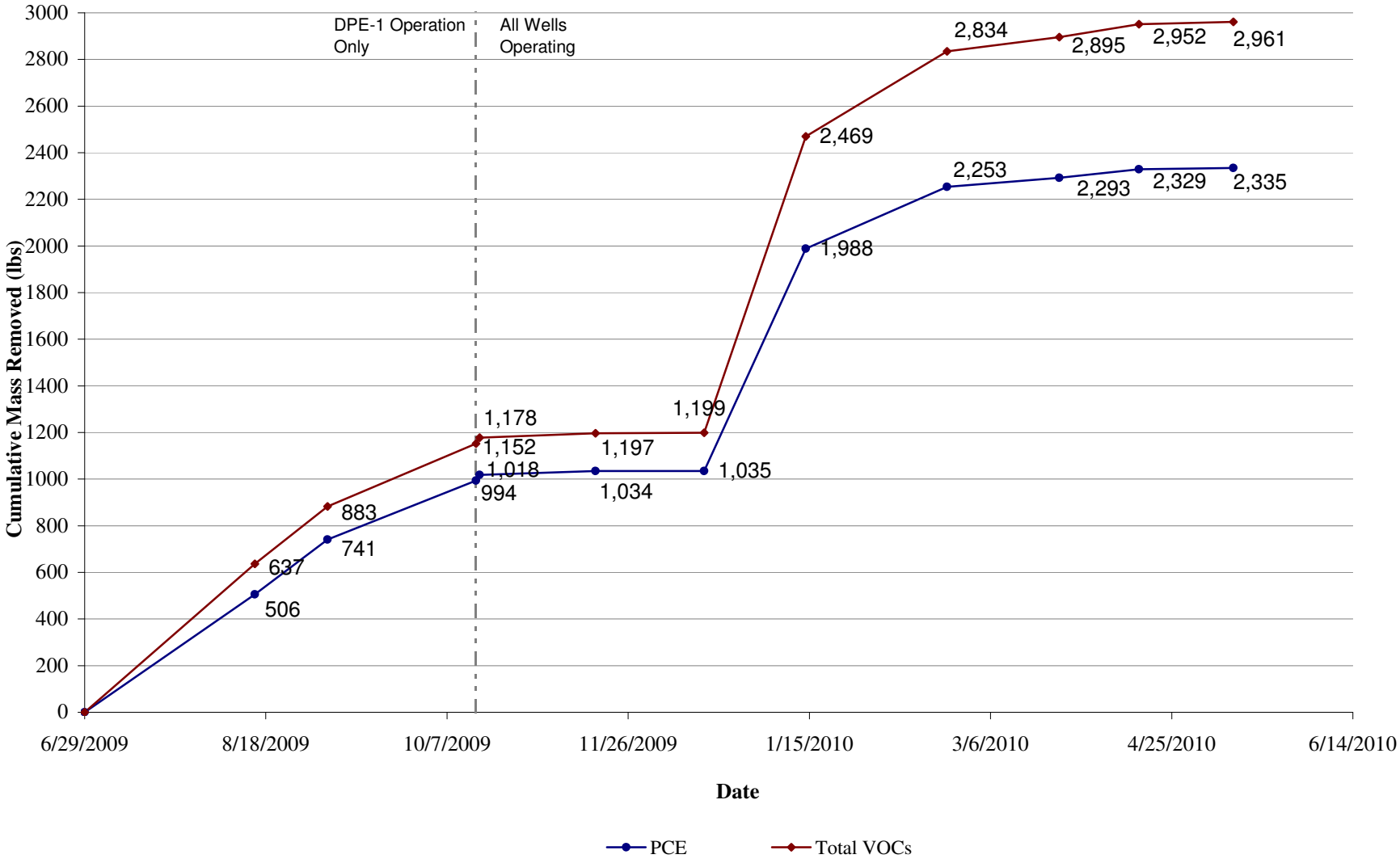


FIGURE 6

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

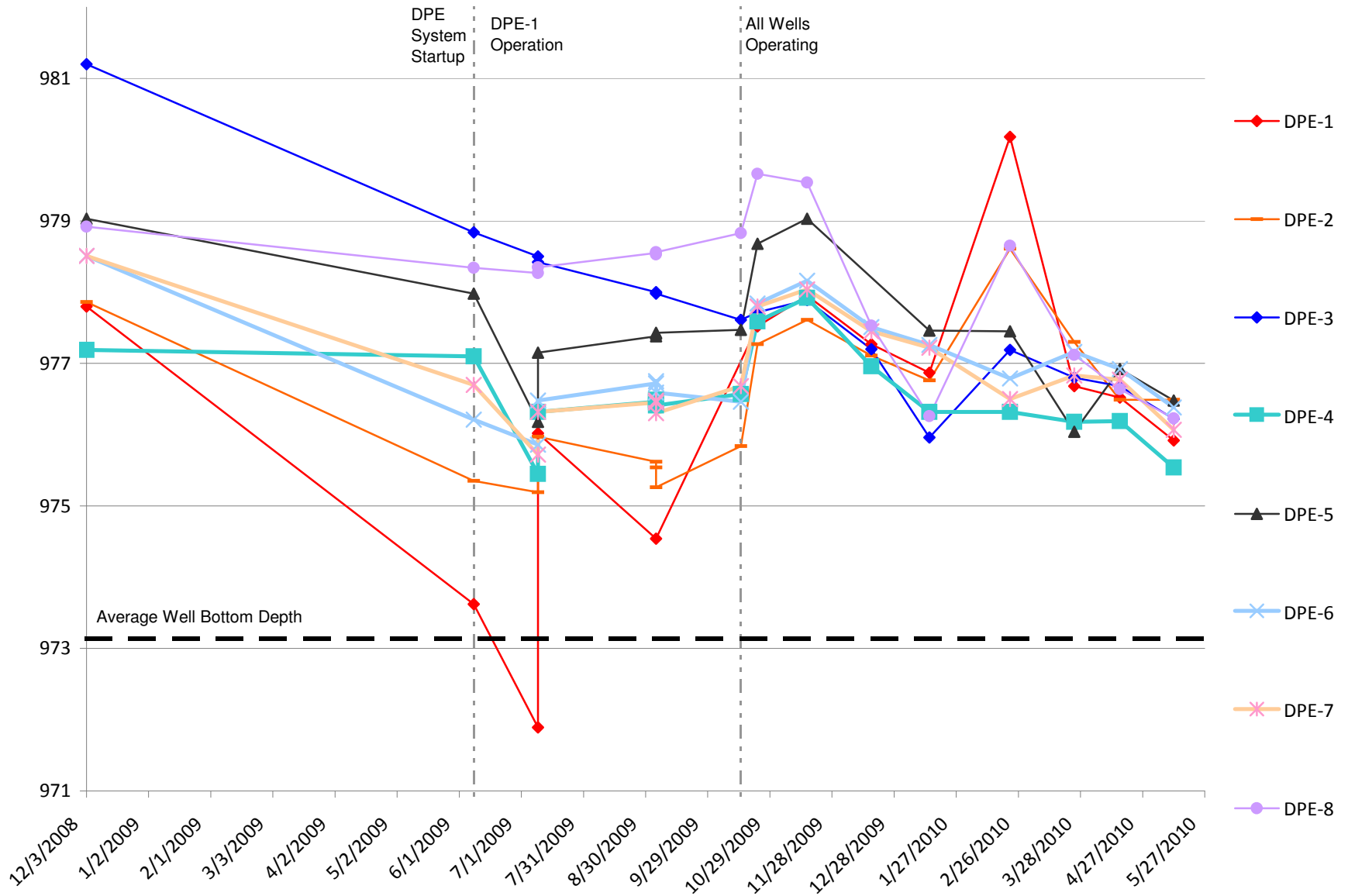
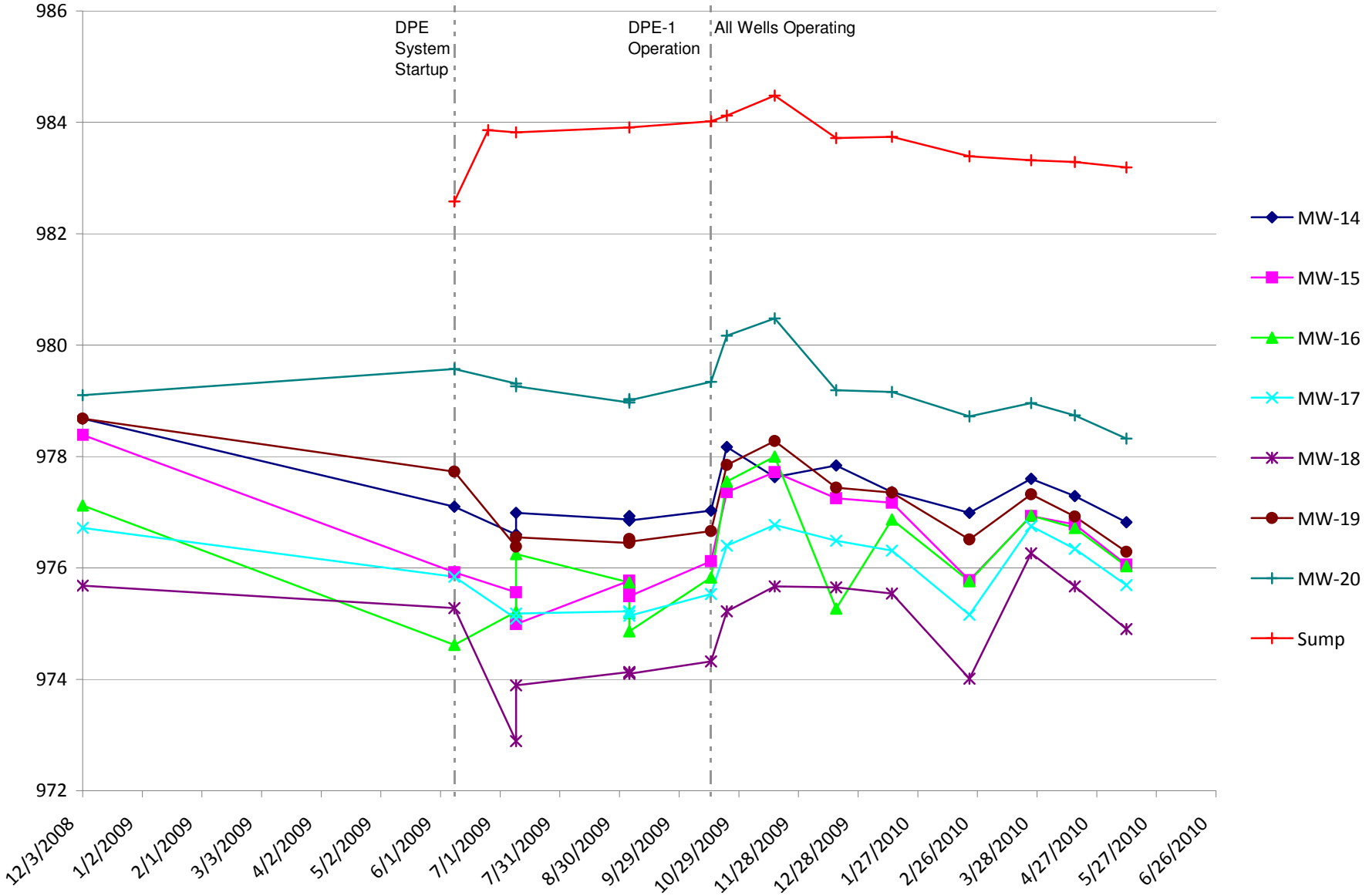


FIGURE 7

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



977
976
975
977
976
978
979
MW-15
(976.06)
MW-14
(976.82)
DPE-6
(976.38)
DPE-7
(976.07)
MW-18
(974.9)
MW-17
(975.69)
DPE-1/(B-7)
(975.92)
MW-16
(976.03)
DPE-5
(976.48)
DPE-2
(976.49)
DPE-3
(976.22)
DPE-4
(975.54)
DPE-8
(976.23)
MW-19
(976.29)
MW-20
(978.32)

LEGEND

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

N

10 feet
SCALE

BASE DRAWINGS PROVIDED BY HGA
F:/Projects/CRC/CAD/Groundwater Data/20100512 GW Elev Contours.dwg

Rev	Date	By	Description

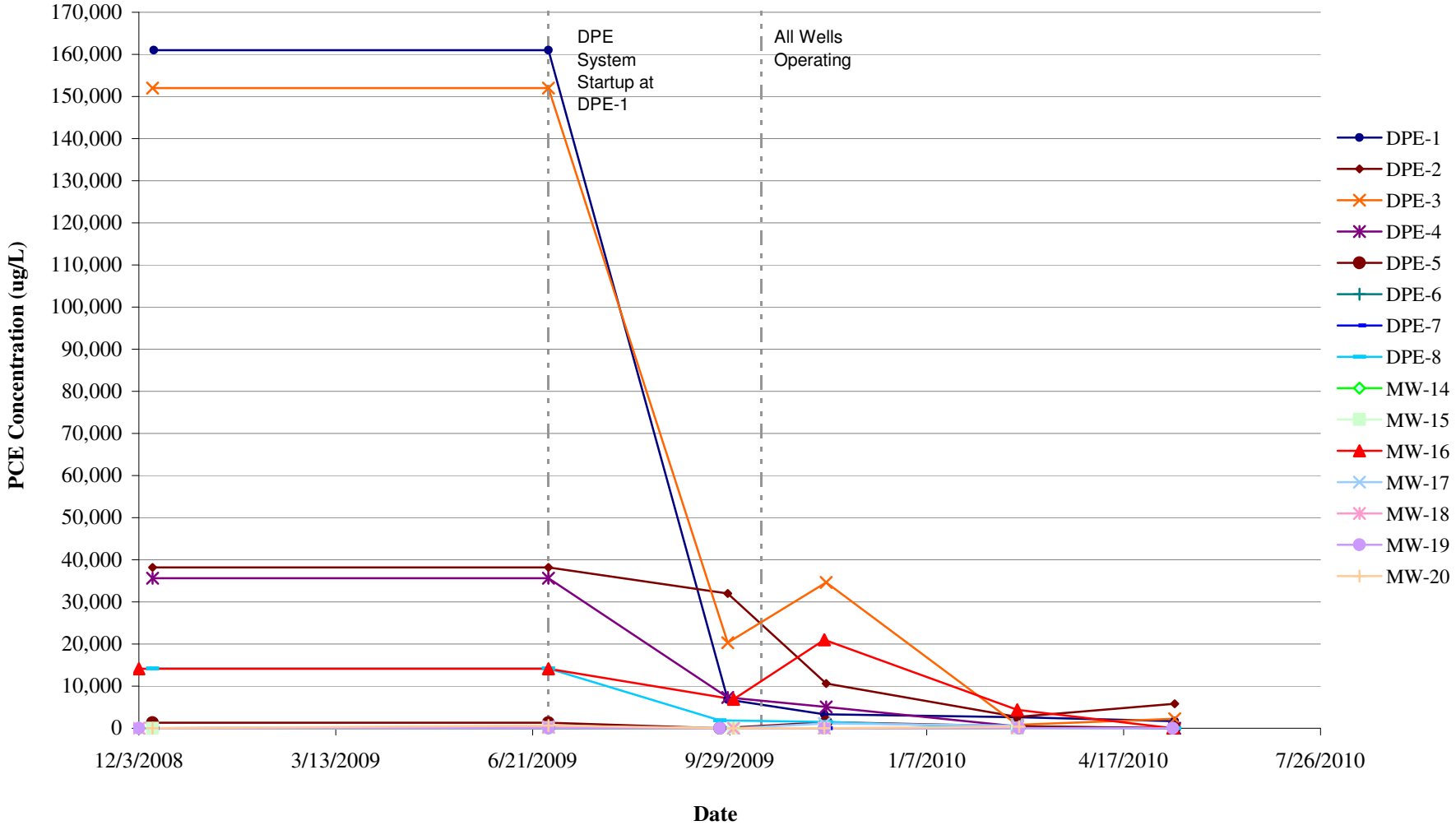
LANDMARK ENVIRONMENTAL, LLC
2042 West 98th Street
Bloomington, MN 55431

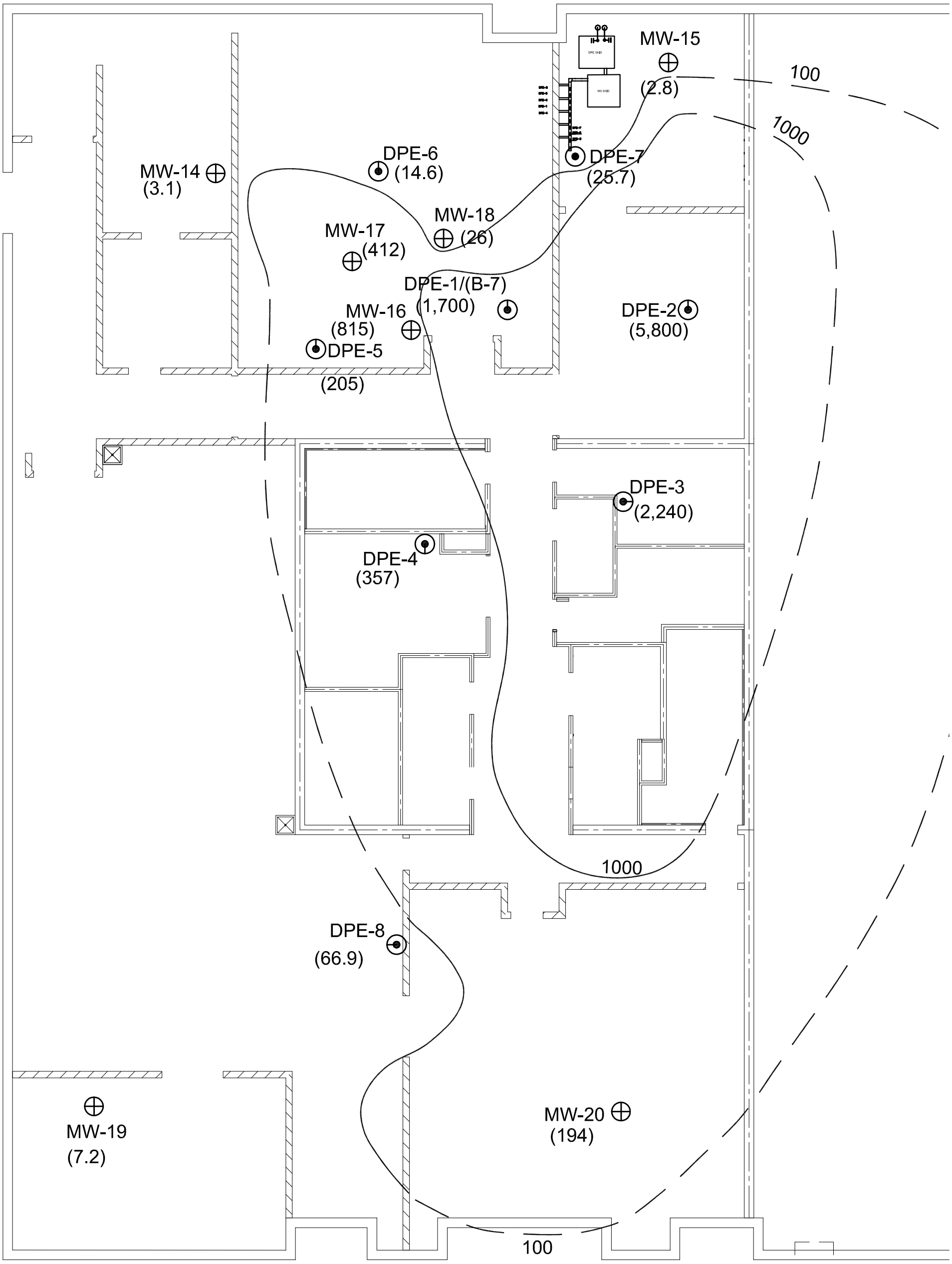
FIGURE 8
GROUNDWATER FLOW INTERPRETATION - May 2010
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC		
Drawn: JDS	Checked: JDS	Designed: JDS
Scale: .	Date: 6/8/2010	Revision:
Drawing Number: .	Sheet . Of .	Sheets .

FIGURE 9

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





LEGEND

⊙	DPE Well Location
⊕	Monitoring Well Location
(3.1)	PCE Groundwater Concentration (micrograms per liter)

N

10 feet
SCALE

BASE DRAWINGS PROVIDED BY HGA
F:/Projects/CRC/CAD/Groundwater Data/20100325 GW Elev Contours.dwg

Rev	Date	By	Description

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

FIGURE 10
PCE GROUNDWATER CONCENTRATION INTERPRETATION
MAY 2010
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

Landmark Project Number: CRC		
Drawn: JDS	Checked: JDS	Designed: JDS
Scale: .	Date: 6/9/2010	Revision:
Drawing Number: .	Sheet . Of .	Sheets .

Tables

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

Date	Approximate Time	Sensophone Call Received?	Alarm Condition	DPE System Status	Comments
16-Apr-10	NA	NA	NA	On/Off/On	Landmark on site to **conduct monthly monitoring and sampling event,** replaced the check valve on the DPE-8 wellhead, and clean the air stripper by adding 1 gallon of hydrochloric acid.
17-Apr-10	23:20	Y	DPE Pump High Inlet Vacuum	On/Off/On	Landmark tested DPE-8 remotely to see if it could operate on its own. The system shut down; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
4-May-10	NA	NA	NA	On/Off/On	Landmark tested DPE-8 remotely to see if it could operate on its own. The system shut down; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
5-May-10	11:27	Y	DPE Pump High Inlet Vacuum	On/Off/On	The system shut down from DPE-8 operation; therefore, Landmark modified the DPE system to allow DPE-7 to operate any time that DPE-8 is operating.
13-May-10	NA	NA	NA	On	Landmark on site to conduct **monthly monitoring and sampling event, quarterly groundwater sampling event,** cleaned the air stripper by adding 1/2 gallon of hydrochloric acid. Plastic debris was found on the inlet side of the piping leaving the wellhead for DPE-8. Plastic piece was removed and the system shutdowns resulting from DPE-8 operation were resolved.

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

TABLE 2

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

Monitoring Period		DPE Well(s) Operating	DPE Pump Hours	Hours Per Period	Total Flow Rate (scfm)	Total VOCs			PCE		
Start Date	End Date					Concentration (ug/m^3)	Pounds Per Period	Cumulative pounds	Concentration (ug/m^3)	Pounds Per Period	Cumulative Pounds
---	6/29/2009		0	0	0	0	0	0	0	0	0
6/29/2009[3]	8/15/2009[1]	DPE-1	478.5	478.5	24.3	14,613,880	636.97	636.97	11,600,000	505.61	505.61
8/15/2009	9/4/2009[2]	DPE-1	957	478.5	36.1	3,795,092	245.74	882.71	3,630,000	235.05	740.66
9/4/2009	---	DPE-1	1428	471	36.1	3,795,092	241.89	1,124.60	3,630,000	231.37	972.02
---	10/15/2009[4]	DPE-1	1899	471	31.6	494,779	27.60	1,152.21	396,000	22.09	994.12
10/16/2009[5]	---	All Wells	1899	231	48.9	608,840	25.78	1,177.99	571,000	24.18	1018.30
---	11/17/2009[5]	All Wells	2361	231	48.9	453,479	19.20	1,197.19	381,000	16.13	1034.43
11/17/2009	12/17/2009[5]	All Wells	2960	599	48.9	12,510	1.37	1,198.56	6,790	0.75	1035.17
12/17/2009	1/14/2010[5]	All Wells	3568	608	48.9	11,403,200	1270.88	2,469.45	8,550,000	952.89	1988.07
1/14/2010	2/22/2010[6]	All Wells	4161	593	69.4	2,364,821	364.82	2,834.27	1,720,000	265.34	2253.41
2/22/2010	3/25/2010[7]	All Wells	4868	707	69.4	331,284	60.93	2,895.20	215,000	39.54	2292.96
3/25/2010	4/16/2010	All Wells	5308	440	77.9	438,730	56.37	2,951.57	282,000	36.23	2329.19
4/16/2010	5/12/2010	All Wells	5908	600	86.9	50,553	9.88	2,961.45	27,900	5.45	2334.64

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.

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	DPE-OUTLET 0903
Wells Operating	All DPE Wells	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	6-hr Composite
Collected Date	5/12/2010	4/16/2010	3/25/2010	2/22/2010	1/14/2010	12/17/2009
1,1,1-Trichloroethane	**12.9**	ND	**30.7**	**61**	ND	**23.9**
1,1,2,2-Tetrachloroethane	<2.7	ND	<2.5	ND	ND	ND
1,1,2-Trichloroethane	<2.1	ND	<2.0	ND	ND	ND
1,1,2-Trichlorotrifluoroethane	**21,900**	**153,000**	**115,000**	**644,000**	**2,720,000**	**4,440**
1,1-Dichloroethane	<1.6	ND	<1.5	ND	ND	ND
1,1-Dichloroethene	<1.6	ND	**3.0**	**7.66**	ND	ND
1,2,4-Trichlorobenzene	<1.9	ND	<1.8	ND	ND	ND
1,2,4-Trimethylbenzene	<4.8	ND	**12.8**	ND	ND	ND
1,2-Dibromoethane (EDB)	<3.1	ND	<2.9	ND	ND	ND
1,2-Dichlorobenzene	**5.5**	ND	<2.2	ND	ND	ND
1,2-Dichloroethane	<1.6	ND	<1.5	ND	ND	ND
1,2-Dichloropropane	**2.5**	ND	<1.7	**7.05**	ND	ND
1,3,5-Trimethylbenzene	<4.8	ND	<4.5	ND	ND	ND
1,3-Butadiene	<0.87	ND	<0.81	ND	ND	ND
1,3-Dichlorobenzene	<2.3	ND	<2.2	ND	ND	ND
1,4-Dichlorobenzene	**3.7**	ND	<2.2	ND	ND	ND
2-Butanone (MEK)	**18.0**	ND	**44.2**	**12.9**	ND	ND
2-Hexanone	<1.6	ND	<1.5	ND	ND	ND
2-Propanol	**7.9**	ND	**19.0**	NA	NA	NA
4-Ethyltoluene	<4.8	ND	<4.5	ND	ND	ND
4-Methyl-2-pentanone (MIBK)	<1.6	ND	<1.5	ND	ND	ND
Acetone	**509**	ND	**163**	**84.5**	**76,800**	**126**
Benzene	<1.3	ND	<1.2	ND	ND	**16.2**
Benzyl chloride	<2.0	ND	<1.9	NA	NA	NA
Bromodichloromethane	<2.7	ND	<2.5	ND	ND	ND
Bromoform	<4.1	ND	<3.8	ND	ND	ND
Bromomethane	<1.5	ND	<1.4	ND	ND	ND
Carbon disulfide	**7.7**	ND	**1.3**	ND	ND	ND
Carbon tetrachloride	<2.5	ND	<2.3	ND	ND	ND
Chlorobenzene	**3.1**	ND	<1.7	ND	ND	ND
Chloroethane	<1.0	ND	<0.97	ND	ND	ND
Chloroform	**4.9**	ND	**11.3**	**15.4**	ND	ND
Chloromethane	**9.6**	ND	<0.76	ND	ND	ND
cis-1,2-Dichloroethene	**33.6**	ND	**80.2**	**198**	ND	**47.2**
cis-1,3-Dichloropropene	<1.8	ND	<1.7	ND	ND	ND
Cyclohexane	**3.7**	ND	**2.2**	**14.3**	ND	**766**
Dibromochloromethane	<3.3	ND	<3.1	ND	ND	ND
Dichlorodifluoromethane	**4.1**	ND	**11.0**	ND	ND	ND
Dichlorotetrafluoroethane	<2.7	ND	<2.5	ND	ND	ND
Ethanol	**67.3**	ND	**26.1**	NA	NA	NA
Ethyl acetate	<1.4	ND	<1.3	ND	ND	ND
Ethylbenzene	<1.7	ND	**118**	ND	ND	ND
Hexachloro-1,3-butadiene	<4.2	ND	<4.0	ND	ND	ND
m&p-Xylene	**5.1**	ND	**456**	ND	ND	ND
Methylene Chloride	<1.4	ND	<1.3	ND	ND	**270**
Methyl-tert-butyl ether	<1.4	ND	<1.3	ND	ND	ND
Naphthalene	<5.2	ND	<4.9	NA	NA	NA
n-Heptane	**2.0**	ND	**2.7**	ND	ND	ND
n-Hexane	<1.4	ND	**4.7**	**135**	ND	ND
o-Xylene	**1.8**	ND	**159**	ND	ND	ND
Propylene	<0.68	ND	<0.63	ND	ND	ND
Styrene	<1.7	ND	<1.6	ND	ND	ND
Tetrachloroethene	**27,900**	**282,000**	**215,000**	**1,720,000**	**8,550,000**	**6,790**
Tetrahydrofuran	**15.0**	ND	**58.0**	**45.6**	**56,400**	ND
Toluene	**8.0**	ND	**28.4**	**124**	ND	**9.58**
trans-1,2-Dichloroethene	<1.6	ND	<1.5	ND	ND	ND
trans-1,3-Dichloropropene	<1.8	ND	<1.7	ND	ND	ND
Trichloroethene	**24.5**	**3,730**	**43.7**	**116**	ND	**21.3**
Trichlorofluoromethane	<2.1	ND	<2.0	ND	ND	ND
Vinyl acetate	**3.0**	ND	**8.9**	ND	ND	ND
Vinyl chloride	<1.0	ND	<0.94	ND	ND	ND
Total VOCs	**50,553**	**438,730**	**331,284**	**2,364,821**	**11,403,200**	**12,510**

Notes:
Bold: parameter detected above the reporting limit.
NA: Not Analyzed.

TABLE 3

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

Sample ID	DPE-OUTLET 1254	DPE-EFFLUENT 531	DPE-EFFLUENT 253	DPE - EFFLUENT 0680	DPE EXHAUST 842
Wells Operating	All DPE Wells	All DPE Wells	DPE-1	DPE-1	DPE-1
Sample Collection Method	6-hr Composite	6-hr Composite	Grab	Grab	Grab
Collected Date	11/17/2009	10/16/2009	10/15/2009	9/4/2009	4/9/2009
1,1,1-Trichloroethane	ND	**81.7**	**4.2**	**127**	**4,450**
1,1,2,2-Tetrachloroethane	ND	<2.2	<2.1	<2.1	<2480
1,1,2-Trichloroethane	ND	<1.7	<1.6	<1.6	<1950
1,1,2-Trichlorotrifluoroethane	**72,100**	**172**	**97,900**	**153,000**	**2,940,000**
1,1-Dichloroethane	ND	<1.3	<1.2	<1.2	<1450
1,1-Dichloroethene	ND	**13.9**	<1.2	15.0	<1440
1,2,4-Trichlorobenzene	ND	<1.5	<1.5	<1.5	<1760
1,2,4-Trimethylbenzene	ND	<3.8	<3.7	**10.2**	<4440
1,2-Dibromoethane (EDB)	ND	<2.5	<2.4	<2.4	<2840
1,2-Dichlorobenzene	ND	<1.8	<1.8	<1.8	<2130
1,2-Dichloroethane	ND	<1.3	<1.2	<1.2	<1450
1,2-Dichloropropane	ND	<1.4	<1.4	<1.4	<1670
1,3,5-Trimethylbenzene	ND	<3.8	<3.7	**5.0**	<4440
1,3-Butadiene	ND	<0.69	<0.67	<0.67	<798
1,3-Dichlorobenzene	ND	<1.8	<1.8	**6.0**	<2130
1,4-Dichlorobenzene	ND	<1.8	<1.8	**8.6**	<2130
2-Butanone (MEK)	ND	**12.2**	<0.89	**15.8**	<1060
2-Hexanone	ND	<1.3	<1.2	<1.2	<1470
2-Propanol	NA	**4.9**	<3.7	<3.7	<4440
4-Ethyltoluene	ND	<3.8	<3.7	**6.0**	<4440
4-Methyl-2-pentanone (MIBK)	ND	<1.3	<1.2	<1.2	<1470
Acetone	**116**	**37,000**	**501**	**7,510**	<852
Benzene	ND	**1.1**	**1.5**	**2.3**	<1150
Benzyl chloride	NA	NA	NA	NA	NA
Bromodichloromethane	ND	<2.2	<2.1	<2.1	<2480
Bromoform	ND	<3.2	<3.1	<3.1	<3730
Bromomethane	ND	<1.2	<1.2	<1.2	<1400
Carbon disulfide	ND	<0.97	<0.93	**5.9**	<1120
Carbon tetrachloride	ND	<2.0	<1.9	<1.9	<2310
Chlorobenzene	ND	<1.4	<1.4	<1.4	<1670
Chloroethane	ND	<0.83	<0.80	<0.80	<958
Chloroform	ND	**25.8**	<1.5	**21.5**	<1760
Chloromethane	ND	<0.65	<0.62	<0.62	<745
cis-1,2-Dichloroethene	**118**	**257**	**21.5**	**2,620**	**36,300**
cis-1,3-Dichloropropene	ND	<1.4	<1.4	<1.4	<1630
Cyclohexane	ND	<1.0	<1.0	**3.5**	<1210
Dibromochloromethane	ND	<2.6	<2.5	<2.5	<3020
Dichlorodifluoromethane	ND	<1.5	**2.8**	<1.5	**2,230**
Dichlorotetrafluoroethane	ND	<2.2	<2.1	<2.1	**3,400**
Ethanol	NA	**8.9**	**8.4**	**5.7**	<3370
Ethyl acetate	ND	<1.1	<1.1	<1.1	<1300
Ethylbenzene	ND	**7.9**	<1.3	<1.3	<1560
Hexachloro-1,3-butadiene	ND	<3.4	<3.3	<3.3	<3900
m&p-Xylene	ND	**25.0**	**2.6**	**14.2**	<3120
Methylene Chloride	ND	<1.1	**276**	<1.1	<1260
Methyl-tert-butyl ether	ND	<1.1	<1.1	<1.1	<1300
Naphthalene	NA	**5.6**	<4.0	**4.2**	**10,100**
n-Heptane	ND	<1.3	<1.2	**2.6**	<1470
n-Hexane	ND	**2.1**	**35.4**	**3.4**	<1280
o-Xylene	ND	**7.5**	<1.3	**4.8**	<1560
Propylene	ND	<0.54	<0.52	<0.52	<621
Styrene	ND	<1.3	<1.3	<1.3	<1540
Tetrachloroethene	**381,000**	**571,000**	**396,000**	**3,630,000**	**11,600,000**
Tetrahydrofuran	**145**	**36.2**	<0.89	**31.1**	<1060
Toluene	ND	**17.6**	**10.3**	**14.4**	<1370
trans-1,2-Dichloroethene	ND	<1.2	<1.2	**4.2**	<1440
trans-1,3-Dichloropropene	ND	<1.4	<1.4	<1.4	<1630
Trichloroethene	ND	**153**	**13.6**	**1,640**	**17,400**
Trichlorofluoromethane	ND	<1.7	**1.7**	**2.2**	<1950
Vinyl acetate	ND	**7.4**	<1.1	**8.7**	<1260
Vinyl chloride	ND	<0.80	<0.77	<0.77	<923
Total VOCs	**453,479**	**608,840**	**494,779**	**3,795,077**	**14,603,780**

Notes:
Bold: parameter detected above the repor
NA: Not Analyzed.

TABLE 4

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

Date	DPE Wells Operating	Parameter	Concentration (ug/m^3)	Emissions Rates				
				DPE (ug per sec)	AS (ug per sec)	Site Specific (ug per sec)	SER for Chronic Risk (ug per sec)	SER for Acute Risk (ug per sec)
9/4/2009	DPE-1	Tetrachloroethylene	3,630,000	61,710	70	**61,780**	16,300	5,980,000
10/15/2009	DPE-1	Tetrachloroethylene	396,000	5,940	6	5,946	16,300	5,980,000
10/16/2009	All Wells	Tetrachloroethylene	571,000	8,565	6	8,571	16,300	5,980,000
11/17/2009	All Wells	Tetrachloroethylene	381,000	4,953	0.5	4,953	16,300	5,980,000
12/17/2009	All Wells	Tetrachloroethylene	6,790	197	0.5	197	16,300	5,980,000
1/14/2010	All Wells	Tetrachloroethylene	8,550,000	393,300	4	**393,304**	16,300	5,980,000
2/22/2010	All Wells	Tetrachloroethylene	1,720,000	82,560	1	**82,561**	16,300	5,980,000
3/25/2010	All Wells	Tetrachloroethylene	215,000	11,180	2	11,182	16,300	5,980,000
4/16/2010	All Wells	Tetrachloroethylene	282,000	9,588	1	9,589	16,300	5,980,000
5/12/2010	All Wells	Tetrachloroethylene	27,900	1,729	1	1,730	16,300	5,980,000

Notes:
SERs: MPCA Screening Emissions Rates
61,780 Emissions rate is above MPCA SER

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

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.

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-Effluent3	AS-Influent	AS-Effluent[3]	AS-Influent	AS-Effluent
Collected Date	5/12/2010 14:30	5/12/2010 14:35	4/16/2010 12:00	4/16/2010 12:01	3/25/2010 8:00	3/25/2010 8:00	2/22/2010 14:30	2/22/2010 14:45
1,1,1,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,1-Trichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2,2-Tetrachloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1,2-Trichloroethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,1,2-Trichlorotrifluoroethane	**2.5**	<1.0	**1.4**	<1.0	**1.0**	<1.0	**2.1**	<1.0
1,1-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,3-Trichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2,4-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dibromo-3-chloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
1,2-Dibromoethane (EDB)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3,5-Trimethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,3-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Butanone (MEK)	<4.0	<4.0	<4.0	**4.9**	**4.9**	**7.5**	<4.0	<4.0
2-Chloroethylvinyl ether	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
2-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2-Hexanone	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Methylnaphthalene	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
4-Chlorotoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
4-Methyl-2-pentanone (MIBK)	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
Acetone	<10.0	<10.0	<10.0	**29.3**	**11.2**	**29.8**	<10.0	<10.0
Acrolein	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0	<40.0
Acrylonitrile	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Allyl chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Benzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Bromodichloromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Bromoform	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0	<8.0
Bromomethane	<4.0	<4.0	<4.0	<4.0	**37.3**	**38.0**	<4.0	<4.0
Carbon disulfide	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Carbon tetrachloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Chlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	<4.0	<4.0	**10.7**	**491**	**380**	**644**	<4.0	<4.0
Chloroprene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	**1.3**	<1.0
cis-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Dibromochloromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dibromomethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorodifluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichlorofluoromethane	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Diethyl ether (Ethyl ether)	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Ethylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hexachloro-1,3-butadiene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Iodomethane	<4.0	<4.0	<4.0	<4.0	**17.3**	**18.9**	<4.0	<4.0
Isopropylbenzene (Cumene)	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
m&p-Xylene	<2.0	<2.0	<2.0	<2.0	<2.0	**3.4**	<2.0	<2.0
Methylene Chloride	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Methyl-tert-butyl ether	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Naphthalene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
n-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
n-Propylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
o-Xylene	<1.0	<1.0	<1.0	<1.0	<1.0	**1.6**	<1.0	<1.0
p-Isopropyltoluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
sec-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Styrene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
tert-Butylbenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Tetrachloroethene	**63.4**	<1.0	**48.6**	<1.0	**55.5**	<1.0	**69.6**	<1.0
Tetrahydrofuran	<10.0	<10.0	<10.0	<10.0	<10.0	**20.3**	<10.0	**15.7**
Toluene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,2-Dichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Trichloroethene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
Vinyl acetate	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0	<20.0
Vinyl chloride	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	**4.9**	<3.0	<3.0
Total VOC Concentration	**65.9**	**0**	**60.7**	**525.2**	**507.2**	**763.5**	**73**	**15.7**

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-IN Vial 2	AS-Effluent	AS-INFLUENT	AS-EFFLUENT
Collected Date	1/14/2010 9:30	1/14/2010 9:40	12/17/2009 10:00	12/17/2009 10:00	12/17/2009 10:01	11/16/2009 10:10	11/16/2009 10:20
1,1,1,2-Tetrachloroethane	<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
1,1,2,2-Tetrachloroethane	<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
1,1,2-Trichlorotrifluoroethane	**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
1,1-Dichloroethene	<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
1,2,3-Trichlorobenzene	<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
1,2,4-Trichlorobenzene	<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
1,2-Dibromo-3-chloropropane	<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
1,2-Dichlorobenzene	<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
1,2-Dichloropropane	<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
1,3-Dichlorobenzene	<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
1,4-Dichlorobenzene	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
2,2-Dichloropropane	<1.0	<1.0	<1.0	<1.0	<1.0	<4.0	<4.0
2-Butanone (MEK)	**7.0**	<4.0	<4.0	<4.0	<4.0	<4.0	<4.0
2-Chloroethylvinyl ether	<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
2-Hexanone	<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
4-Chlorotoluene	<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
Acetone	**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
Acrylonitrile	<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
Benzene	<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
Bromochloromethane	<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
Bromoform	<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
Carbon disulfide	<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	<4.0	<4.0
Chlorobenzene	<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
Chloroform	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Chloromethane	**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
cis-1,2-Dichloroethene	**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
Dibromochloromethane	<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
Dichlorodifluoromethane	<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
Diethyl ether (Ethyl ether)	<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
Hexachloro-1,3-butadiene	<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
Isopropylbenzene (Cumene)	<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
Methylene Chloride	<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
Naphthalene	<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
n-Propylbenzene	<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
p-Isopropyltoluene	<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
Styrene	<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
Tetrachloroethene	**157**	<1.0	<1.0	<1.0	**22.7**	**30.7**	<1.0
Tetrahydrofuran	**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
trans-1,2-Dichloroethene	<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
Trichloroethene	<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
Vinyl acetate	<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
Xylene (Total)	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0	<3.0
Total VOC Concentration	**308.8**	**31.9**	**11.7**	**11.5**	**24**	**30.7**	**0**

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 14:50	10/15/2009 14:50	9/4/2009 10:55	9/4/2009 10:55	7/9/2009 12:20	7/9/2009 12:25	06/04/2009 17:00	06/04/2009 17:25	04/09/2009 16:35
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

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-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-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

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-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-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

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
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-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

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-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-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

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-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-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

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

Notes:
NR: Not Recorded

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

TABLE 8

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

MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

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

Notes:

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

TABLE 9

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

Sample ID	Date	PCE Conc. (ug/L)	% Change
MW-14	12/3/2008	30.6	
	6/29/2009	30.6	
	10/1/2009	4.2	-86.3
	11/16/2009	7.1	-76.8
	2/23/2010	3.0	-90.2
	5/12/2010	3.1	-89.9
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
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
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
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
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
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

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-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
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
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
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
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
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
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

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-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

TABLE 10

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

Sample ID	MDH Health Risk Limits	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-1	DPE-2	DPE-2	DPE-2	DPE-2	DPE-2
Collected Date and Time	5/09	5/13/2010	2/22/2010	11/16/2009 19:50	09/28/2009 12:52	12/10/2008 13:50	8/7/2008 17:00	5/13/2010	2/22/2010	11/17/2009 09:40	09/28/2009 14:22	12/10/2008 11:45
1,1,1,2-Tetrachloroethane	70	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,1,1-Trichloroethane	9000	<1.0	<25.0	<25.0	<50.0	NA*	<250	2.9	<20.0	<100	<250	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichloroethane	3	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,1,2-Trichlorotrifluoroethane	200000	148	190	215	912	NA*	11,300	673	305	1,270	1,620	NA*
1,1-Dichloroethane	70	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,1-Dichloroethene	6	<1.0	<25.0	<25.0	<50.0	<2000	<250	<1.0	<20.0	<100	<250	<500
1,1-Dichloropropene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2,3-Trichloropropane	40	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2-Dichlorobenzene	600	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2-Dichloroethane	4	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,2-Dichloropropane	5	<1.0	<25.0	<25.0	<50.0	NA*	<250	1.3	<20.0	<100	<250	NA*
1,3,5-Trimethylbenzene	100	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,3-Dichlorobenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,3-Dichloropropane	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
1,4-Dichlorobenzene	10	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
2,2-Dichloropropane	NL	<4.0	<25.0	<100	<50.0	NA*	<250	<4.0	<20.0	<400	<250	NA*
2-Butanone (MEK)	4000	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
2-Chlorotoluene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
4-Chlorotoluene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Acetone	700	<10.0	<250	<250	<500	NA*	<2500	<10.0	<200	<1000	<2500	NA*
Allyl chloride	30	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Benzene	2	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Bromobenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Bromochloromethane	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Bromodichloromethane	6	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Bromoform	40	<8.0	<200	<200	<400	NA*	<2000	<8.0	<160	<800	<2000	NA*
Bromomethane	10	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Carbon tetrachloride	3	<4.0	<25.0	<100	<50.0	NA*	<250	<4.0	<20.0	<400	<250	NA*
Chlorobenzene	100	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Chloroethane	300	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Chloroform	30	2.6	<25.0	<25.0	<50.0	NA*	<250	3.7	<20.0	<100	<250	NA*
Chloromethane	NL	<4.0	<100	<100	<200	NA*	<250	<4.0	<80.0	<400	<1000	NA*
cis-1,2-Dichloroethene	50	8.7	<25.0	<25.0	<50.0	<2000	3250	25.8	<20.0	<100	<250	<500
cis-1,3-Dichloropropene	NL	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Dibromochloromethane	10	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Dibromomethane	NL	<4.0	<25.0	<25.0	<50.0	NA*	<250	<4.0	<20.0	<100	<250	NA*
Dichlorodifluoromethane	1000	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Dichlorofluoromethane	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Ethylbenzene	700	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Hexachloro-1,3-butadiene	1	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Isopropylbenzene (Cumene)	300	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
m&p-Xylene	NL	<2.0	<50.0	<50.0	<100	NA*	<500	<2.0	<40.0	<200	<500	NA*
Methylene Chloride	5	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Methyl-tert-butyl ether	70	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Naphthalene	300	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
n-Butylbenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
n-Propylbenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
o-Xylene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
p-Isopropyltoluene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
sec-Butylbenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Styrene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
tert-Butylbenzene	NL	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Tetrachloroethene	5	1,700	2,610	3,330	6,820	161,000	157,000	5,800	2710	10,600	32,000	38,200
Tetrahydrofuran	100	<10.0	<250	<250	<500	NA*	<2500	<10.0	<200	<1000	<2500	NA*
Toluene	1000	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
trans-1,2-Dichloroethene	100	<1.0	<25.0	<25.0	<50.0	<2000	<250	<1.0	<20.0	<100	<250	<500
trans-1,3-Dichloropropene	NL	<4.0	<100	<100	<200	NA*	<1000	<4.0	<80.0	<400	<1000	NA*
Trichloroethene	5	2.3	<25.0	<25.0	<50.0	<2000	563	7.5	<20.0	<100	<250	<500
Trichlorofluoromethane	2000	<1.0	<25.0	<25.0	<50.0	NA*	<250	<1.0	<20.0	<100	<250	NA*
Vinyl chloride	0.2	<0.40	<10.0	<10.0	<20.0	<800	<100	<0.40	<8.0	<40.0	<100	<200
Xylene (Total)	10000	<3.0	<75.0	<75.0	<150	NA*	<750	<3.0	<60.0	<300	<750	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID	MDH Health Risk Limits	DPE-3	DPE-3	DPE-3	DPE-3	DPE-3	DPE-4	DPE-4	DPE-4	DPE-4	DPE-4
Collected Date and Time	5/09	5/13/2010	2/22/2010	11/17/2009 10:15	09/28/2009 15:25	12/10/2008 10:57	5/13/2010	2/22/2010	11/17/2009 10:50	09/28/2009 10:13	12/10/2008 11:20
1,1,1,2-Tetrachloroethane	70	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichloroethane	3	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	49.5	67.1	1,920	843	NA*	48.1	41.9	464	339	NA*
1,1-Dichloroethane	70	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,1-Dichloroethene	6	<1.0	<10.0	<200	<200	<500	<1.0	<5.0	<50.0	<50.0	<500
1,1-Dichloropropene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2,3-Trichloropropane	40	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichlorobenzene	600	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloroethane	4	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,2-Dichloropropane	5	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,3-Dichloropropane	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
1,4-Dichlorobenzene	10	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
2,2-Dichloropropane	NL	<4.0	<10.0	<800	<200	NA*	<4.0	<5.0	<200	<50.0	NA*
2-Butanone (MEK)	4000	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
2-Chlorotoluene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
4-Chlorotoluene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Acetone	700	<10.0	<100	<2000	<2000	NA*	<10.0	<50.0	<500	<500	NA*
Allyl chloride	30	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Benzene	2	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Bromobenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Bromochloromethane	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Bromodichloromethane	6	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Bromoform	40	<8.0	<80.0	<1600	<1600	NA*	<8.0	<40.0	<400	<400	NA*
Bromomethane	10	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Carbon tetrachloride	3	<4.0	<10.0	<800	<200	NA*	<4.0	<5.0	<200	<50.0	NA*
Chlorobenzene	100	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Chloroethane	300	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Chloroform	30	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Chloromethane	NL	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
cis-1,2-Dichloroethene	50	2.6	<10.0	<200	<200	1,090	1.1	<5.0	<50.0	<50.0	<500
cis-1,3-Dichloropropene	NL	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Dibromochloromethane	10	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Dibromomethane	NL	<4.0	<10.0	<200	<200	NA*	<4.0	<5.0	<50.0	<50.0	NA*
Dichlorodifluoromethane	1000	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Dichlorofluoromethane	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Ethylbenzene	700	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Isopropylbenzene (Cumene)	300	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
m&p-Xylene	NL	<2.0	<20.0	<400	<400	NA*	<2.0	<10.0	<100	<100	NA*
Methylene Chloride	5	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Methyl-tert-butyl ether	70	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Naphthalene	300	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
n-Butylbenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
n-Propylbenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
o-Xylene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
p-Isopropyltoluene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
sec-Butylbenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Styrene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
tert-Butylbenzene	NL	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Tetrachloroethene	5	2,240	806	34,600	20,300	152,000	357	429	5,040	7,340	35,600
Tetrahydrofuran	100	10.9	<100	<2000	<2000	NA*	<10.0	<50.0	<500	<500	NA*
Toluene	1000	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<10.0	<200	<200	<500	<1.0	<5.0	<50.0	<50.0	<500
trans-1,3-Dichloropropene	NL	<4.0	<40.0	<800	<800	NA*	<4.0	<20.0	<200	<200	NA*
Trichloroethene	5	<1.0	<10.0	<200	<200	<500	<1.0	<5.0	<50.0	<50.0	<500
Trichlorofluoromethane	2000	<1.0	<10.0	<200	<200	NA*	<1.0	<5.0	<50.0	<50.0	NA*
Vinyl chloride	0.2	<0.40	<4.0	<80.0	<80.0	<200	<0.40	<2.0	<20.0	<20.0	<200
Xylene (Total)	10000	<3.0	<30.0	<600	<600	NA*	<3.0	<15.0	<150	<150	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID	MDH Health Risk Limits	DPE-5	DPE-5	DPE-5	DPE-5	DPE-5	DPE-6	DPE-6	DPE-6	DPE-6	DPE-6
Collected Date and Time	5/09	5/13/2010	2/22/2010	11/17/2009 11:00	09/24/2009 04:00	12/10/2008 16:45	5/13/2010	2/22/2010	11/17/2009 11:30	09/24/2009 04:30	12/10/2008 14:29
1,1,1,2-Tetrachloroethane	70	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	16.9	19.4	498	37.9	NA*	<1.0	<1.0	<1.0	3.5	NA*
1,1-Dichloroethane	70	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<5.0	<10.0	<10.0	<10.0	<1.0	<1.0	<1.0	<1.0	<2.0
1,1-Dichloropropene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<5.0	<40.0	<10.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<50.0	<100	<100	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<40.0	<80.0	<80.0	NA*	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<5.0	<40.0	<10.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<5.0	<10.0	<10.0	NA*	1.1	1.6	1.6	<1.0	NA*
Chloromethane	NL	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	1.8	<5.0	<10.0	<10.0	<10.0	<1.0	<1.0	1.5	<1.0	<2.0
cis-1,3-Dichloropropene	NL	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<5.0	<10.0	<10.0	NA*	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<10.0	<20.0	<20.0	NA*	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	205	486	1,450	875	1,340	14.6	57.8	104	79.3	188
Tetrahydrofuran	100	<10.0	<50.0	<100	<100	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<5.0	<10.0	<10.0	<10.0	<1.0	<1.0	<1.0	<1.0	<2.0
trans-1,3-Dichloropropene	NL	<4.0	<20.0	<40.0	<40.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<5.0	<10.0	<10.0	<10.0	<1.0	<1.0	<1.0	<1.0	<2.0
Trichlorofluoromethane	2000	<1.0	<5.0	<10.0	<10.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<2.0	<4.0	<4.0	<4.0	<0.40	<0.40	<0.40	<0.40	<0.80
Xylene (Total)	10000	<3.0	<15.0	<30.0	<30.0	NA*	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	DPE-7 5/13/2010	DPE-7 2/22/2010	DPE-7 11/17/2009 11:50	DPE-7 09/24/2009 05:00	DPE-7 12/10/2008 13:15	DPE-8 5/13/2010	DPE-8 2/22/2010	DPE-8 11/17/2009 12:30	DPE-8 09/24/2009 05:30	DPE-8 12/10/2008 09:30
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	4.0	2.7	9.8	1.6	NA*	2.2	3.8	34.2	43.4	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
2,2-Dichloropropane	NL	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<40.0	<2.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	24.1	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	NA*	<10.0	12.9	<100	<20.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	NA*	<8.0	<8.0	<80.0	<16.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Carbon tetrachloride	3	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<40.0	<2.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Chloroform	30	1.3	1.2	1.1	1.3	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Dibromomethane	NL	<4.0	<1.0	<1.0	<1.0	NA*	<4.0	<1.0	<10.0	<2.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	NA*	<2.0	<2.0	<20.0	<4.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Tetrachloroethene	5	25.7	7.3	55.2	5.2	22.3	66.9	90.3	1,480	1,850	14,200
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	NA*	<10.0	18.4	<100	46.1	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<40.0	<8.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10.0	<2.0	<100
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<10.0	<2.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<4.0	<0.80	<40.0
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	NA*	<3.0	<3.0	<30.0	<6.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID	MDH Health Risk Limits	MW-14	MW-14	MW-14	MW-14	MW-14	MW-15	MW-15	MW-15	MW-15	MW-15
Collected Date and Time	5/09	5/12/2010	2/23/2010	11/16/2009 15:40	10/01/2009 04:00	12/03/2008 16:20	5/12/2010	2/22/2010	11/16/2009 17:00	10/01/2009 04:20	12/10/2008 12:15
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	<1.0	1.1	<1.0	NA*	1.5	3.3	6.4	6.4	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	5.1	<4.0	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	<10.0	<10.0	<10.0	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	1.1	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	NA*	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	4.1	3.2	2.7	3.7	NA*	1.3	1.4	2.2	2.2	NA*
Chloromethane	NL	<4.0	14.2	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<1.0	<1.0	<1.0	NA*	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	NA*	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	3.1	3.0	7.1	4.2	30.6	2.8	5.7	9.5	15.7	104
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	NA*	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID	MDH Health Risk Limits	MW-16	MW-16	MW-16	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-17
Collected Date and Time	5/09	5/12/2010	2/22/2010	11/16/2009 19:20	10/01/2009 04:25	12/03/2008 12:35	5/12/2010	2/22/2010	11/16/2009 18:10	10/01/2009 05:20	12/03/2008 13:10
1,1,1,2-Tetrachloroethane	70	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,1,1-Trichloroethane	9000	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2,2-Tetrachloroethane	2	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichloroethane	3	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	39.3	261	1,390	779	NA*	46.8	76.2	199	249	NA*
1,1-Dichloroethane	70	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,1-Dichloroethene	6	<10.0	<50.0	<250	<10.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
1,1-Dichloropropene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichlorobenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2,3-Trichloropropane	40	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trichlorobenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2,4-Trimethylbenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dibromo-3-chloropropane	NL	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
1,2-Dibromoethane (EDB)	.004	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichlorobenzene	600	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloroethane	4	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,2-Dichloropropane	5	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,3,5-Trimethylbenzene	100	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichlorobenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,3-Dichloropropane	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
1,4-Dichlorobenzene	10	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
2,2-Dichloropropane	NL	<40.0	<200	<1000	<10.0	NA*	<20.0	<20.0	<20.0	<2.0	NA*
2-Butanone (MEK)	4000	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
2-Chlorotoluene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
4-Chlorotoluene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Acetone	700	<100	<500	<2500	<100	NA*	<50.0	<50.0	<50.0	<20.0	NA*
Allyl chloride	30	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Benzene	2	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Bromobenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Bromochloromethane	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Bromodichloromethane	6	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Bromoform	40	<80.0	<400	<2000	<80.0	NA*	<40.0	<40.0	<40.0	<16.0	NA*
Bromomethane	10	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Carbon tetrachloride	3	<40.0	<200	<1000	<10.0	NA*	<20.0	<20.0	<20.0	<2.0	NA*
Chlorobenzene	100	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Chloroethane	300	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Chloroform	30	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	2.4	NA*
Chloromethane	NL	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
cis-1,2-Dichloroethene	50	<10.0	<50.0	<250	24.0	133	<5.0	5.4	7.9	4.8	<5.0
cis-1,3-Dichloropropene	NL	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Dibromochloromethane	10	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Dibromomethane	NL	<40.0	<200	<250	<10.0	NA*	<20.0	<20.0	<5.0	<2.0	NA*
Dichlorodifluoromethane	1000	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Dichlorofluoromethane	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Diethyl ether (Ethyl ether)	1000	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Ethylbenzene	700	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Hexachloro-1,3-butadiene	1	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Isopropylbenzene (Cumene)	300	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
m&p-Xylene	NL	<20.0	<100	<500	<20.0	NA*	<10.0	<10.0	<10.0	<4.0	NA*
Methylene Chloride	5	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Methyl-tert-butyl ether	70	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Naphthalene	300	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
n-Butylbenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
n-Propylbenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
o-Xylene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
p-Isopropyltoluene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
sec-Butylbenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Styrene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
tert-Butylbenzene	NL	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Tetrachloroethene	5	815	4,390	21,000	6,890	14,100	412	639	1,100	803	363
Tetrahydrofuran	100	<100	<500	<2500	<100	NA*	<50.0	<50.0	<50.0	<20.0	NA*
Toluene	1000	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
trans-1,2-Dichloroethene	100	<10.0	<50.0	<250	<10.0	<1.0	<5.0	<5.0	<5.0	<2.0	<5.0
trans-1,3-Dichloropropene	NL	<40.0	<200	<1000	<40.0	NA*	<20.0	<20.0	<20.0	<8.0	NA*
Trichloroethene	5	<10.0	<50.0	<250	<10.0	35.0	<5.0	<5.0	<5.0	<2.0	<5.0
Trichlorofluoromethane	2000	<10.0	<50.0	<250	<10.0	NA*	<5.0	<5.0	<5.0	<2.0	NA*
Vinyl chloride	0.2	<4.0	<20.0	<100	<4.0	<0.40	<2.0	<2.0	<2.0	<0.80	<2.0
Xylene (Total)	10000	<30.0	<150	<750	<30.0	NA*	<15.0	<15.0	<15.0	<6.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID	MDH Health Risk Limits	MW-18	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-19	MW-19	MW-19
Collected Date and Time	5/09	5/12/2010	2/22/2010	11/16/2009 15:45	10/01/2009 05:46	12/03/2008 14:26	5/12/2010	2/23/2010	11/16/2009 16:30	09/24/2009 11:40	12/03/2008 16:59
1,1,1,2-Tetrachloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichloroethane	3	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	<1.0	2.0	<1.0	2.7	NA*	<1.0	<1.0	1.9	2.4	NA*
1,1-Dichloroethane	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,1-Dichloroethene	6	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
1,1-Dichloropropene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,3-Trichloropropane	40	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichlorobenzene	600	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloroethane	4	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,2-Dichloropropane	5	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,3-Dichloropropane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
1,4-Dichlorobenzene	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
2,2-Dichloropropane	NL	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
2-Butanone (MEK)	4000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	5.5	NA*
2-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Chlorotoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Acetone	700	<10.0	12.2	<10.0	<10.0	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Allyl chloride	30	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Benzene	2	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromobenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromochloromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromodichloromethane	6	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Bromoform	40	<8.0	<8.0	<8.0	<8.0	NA*	<8.0	<8.0	<8.0	<8.0	NA*
Bromomethane	10	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Carbon tetrachloride	3	<4.0	<1.0	<4.0	<1.0	NA*	<4.0	<1.0	<4.0	<1.0	NA*
Chlorobenzene	100	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroethane	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloroform	30	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Chloromethane	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	10.4	<4.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
cis-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Dibromochloromethane	10	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dibromomethane	NL	<4.0	<1.0	<1.0	<1.0	NA*	<4.0	<1.0	<1.0	<1.0	NA*
Dichlorodifluoromethane	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Dichlorofluoromethane	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Ethylbenzene	700	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
m&p-Xylene	NL	<2.0	<2.0	<2.0	<2.0	NA*	<2.0	<2.0	<2.0	<2.0	NA*
Methylene Chloride	5	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Methyl-tert-butyl ether	70	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Naphthalene	300	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
n-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
n-Propylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
o-Xylene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
p-Isopropyltoluene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
sec-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Styrene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
tert-Butylbenzene	NL	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Tetrachloroethene	5	26.0	96.8	130	250	257	7.2	12.9	13.6	17.4	2.4
Tetrahydrofuran	100	<10.0	<10.0	<10.0	<10.0	NA*	<10.0	<10.0	<10.0	<10.0	NA*
Toluene	1000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<1.0	<1.0	<1.0	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
trans-1,3-Dichloropropene	NL	<4.0	<4.0	<4.0	<4.0	NA*	<4.0	<4.0	<4.0	<4.0	NA*
Trichloroethene	5	<1.0	1.2	2.1	2.6	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0
Trichlorofluoromethane	2000	<1.0	<1.0	<1.0	<1.0	NA*	<1.0	<1.0	<1.0	<1.0	NA*
Vinyl chloride	0.2	<0.40	<0.40	<0.40	<0.40	<0.80	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene (Total)	10000	<3.0	<3.0	<3.0	<3.0	NA*	<3.0	<3.0	<3.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 10

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

Sample ID Collected Date and Time	MDH Health Risk Limits 5/09	MW-20 5/12/2010	MW-20 2/23/2010	MW-20 11/16/2009 18:50	MW-20 10/01/2009 06:00	MW-20 12/10/2008 10:30
1,1,1,2-Tetrachloroethane	70	<2.0	<2.0	<2.0	<1.0	NA*
1,1,1-Trichloroethane	9000	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2,2-Tetrachloroethane	2	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichloroethane	3	<2.0	<2.0	<2.0	<1.0	NA*
1,1,2-Trichlorotrifluoroethane	200000	**11.2**	**20.9**	**37.4**	**33.5**	NA*
1,1-Dichloroethane	70	<2.0	<2.0	<2.0	<1.0	NA*
1,1-Dichloroethene	6	<2.0	<2.0	<2.0	<1.0	<5.0
1,1-Dichloropropene	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichlorobenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,2,3-Trichloropropane	40	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trichlorobenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,2,4-Trimethylbenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dibromo-3-chloropropane	NL	<8.0	<8.0	<8.0	<4.0	NA*
1,2-Dibromoethane (EDB)	.004	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichlorobenzene	600	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloroethane	4	<2.0	<2.0	<2.0	<1.0	NA*
1,2-Dichloropropane	5	<2.0	<2.0	<2.0	<1.0	NA*
1,3,5-Trimethylbenzene	100	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichlorobenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,3-Dichloropropane	NL	<2.0	<2.0	<2.0	<1.0	NA*
1,4-Dichlorobenzene	10	<2.0	<2.0	<2.0	<1.0	NA*
2,2-Dichloropropane	NL	<8.0	<2.0	<8.0	<1.0	NA*
2-Butanone (MEK)	4000	<8.0	<8.0	<8.0	<4.0	NA*
2-Chlorotoluene	NL	<2.0	<2.0	<2.0	<1.0	NA*
4-Chlorotoluene	NL	<2.0	<2.0	<2.0	<1.0	NA*
4-Methyl-2-pentanone (MIBK)	300	<8.0	<8.0	<8.0	<4.0	NA*
Acetone	700	<20.0	<20.0	<20.0	<10.0	NA*
Allyl chloride	30	<8.0	<8.0	<8.0	<4.0	NA*
Benzene	2	<2.0	<2.0	<2.0	<1.0	NA*
Bromobenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
Bromochloromethane	NL	<2.0	<2.0	<2.0	<1.0	NA*
Bromodichloromethane	6	<2.0	<2.0	<2.0	<1.0	NA*
Bromoform	40	<16.0	<16.0	<16.0	<8.0	NA*
Bromomethane	10	<8.0	<8.0	<8.0	<4.0	NA*
Carbon tetrachloride	3	<8.0	<2.0	<8.0	<1.0	NA*
Chlorobenzene	100	<2.0	<2.0	<2.0	<1.0	NA*
Chloroethane	300	<2.0	<2.0	<2.0	<1.0	NA*
Chloroform	30	<2.0	<2.0	<2.0	<1.0	NA*
Chloromethane	NL	<8.0	**8.6**	<8.0	<4.0	NA*
cis-1,2-Dichloroethene	50	<2.0	<2.0	<2.0	<1.0	<5.0
cis-1,3-Dichloropropene	NL	<8.0	<8.0	<8.0	<4.0	NA*
Dibromochloromethane	10	<2.0	<2.0	<2.0	<1.0	NA*
Dibromomethane	NL	<8.0	<2.0	<2.0	<1.0	NA*
Dichlorodifluoromethane	1000	<2.0	<2.0	<2.0	<1.0	NA*
Dichlorofluoromethane	NL	<2.0	<2.0	<2.0	<1.0	NA*
Diethyl ether (Ethyl ether)	1000	<8.0	<8.0	<8.0	<4.0	NA*
Ethylbenzene	700	<2.0	<2.0	<2.0	<1.0	NA*
Hexachloro-1,3-butadiene	1	<8.0	<8.0	<8.0	<4.0	NA*
Isopropylbenzene (Cumene)	300	<2.0	<2.0	<2.0	<1.0	NA*
m&p-Xylene	NL	<4.0	<4.0	<4.0	<2.0	NA*
Methylene Chloride	5	<8.0	<8.0	<8.0	<4.0	NA*
Methyl-tert-butyl ether	70	<2.0	<2.0	<2.0	<1.0	NA*
Naphthalene	300	<8.0	<8.0	<8.0	<4.0	NA*
n-Butylbenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
n-Propylbenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
o-Xylene	NL	<2.0	<2.0	<2.0	<1.0	NA*
p-Isopropyltoluene	NL	<2.0	<2.0	<2.0	<1.0	NA*
sec-Butylbenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
Styrene	NL	<2.0	<2.0	<2.0	<1.0	NA*
tert-Butylbenzene	NL	<2.0	<2.0	<2.0	<1.0	NA*
Tetrachloroethene	5	**194**	**402**	**307**	**713**	**599**
Tetrahydrofuran	100	<20.0	**36.1**	<20.0	<10.0	NA*
Toluene	1000	<2.0	<2.0	<2.0	<1.0	NA*
trans-1,2-Dichloroethene	100	<2.0	<2.0	<2.0	<1.0	<5.0
trans-1,3-Dichloropropene	NL	<8.0	<8.0	<8.0	<4.0	NA*
Trichloroethene	5	**2.9**	<2.0	<2.0	<1.0	<5.0
Trichlorofluoromethane	2000	<2.0	<2.0	<2.0	<1.0	NA*
Vinyl chloride	0.2	<0.80	<0.80	<0.80	<0.40	<2.0
Xylene (Total)	10000	<6.0	<6.0	<6.0	<3.0	NA*

Notes:
NL: No Limit
NA*: Not Analyzed

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

TABLE 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 Collected Date	DPE-6 12/10/2008 14:29	DPE-6 09/24/2009 04:30	DPE-7 12/10/2008 13:15	DPE-7 09/24/2009 05:00	DPE-8 12/10/2008 09:30	DPE-8 09/24/2009 05:30	MW14 10/01/2009 04:00	MW-14 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-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-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-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-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-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-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
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

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-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-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-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-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-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-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

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

Attachments

Attachment A

Attachment A - Table 1

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

Date	Time	Extraction Well	DPE Pump Hours	Hours per Period	Days per Period	Flow Rate				DPE Air Flow (scf)	Pump Inlet Vacuum (in. Hg)	Post-MS-2 Vacuum (in. Hg)	Post-MS-1 Vacuum (in. Hg)	DPE Well/Pre-MS-1 Vacuum (in. Hg)		Pre-Manifold Vacuum (in. Hg)	DPE Well Casing Vacuum (in. H_2O)	DPE Pump Outlet Pressure		DPE Pump Outlet Temp. (Deg. F)		DPE Exhaust PID (ppm)	Extraction Well Bleed Valve % Open	DPE Pump Bleed Valve % Open	Comments
						Field (scfm)	Analog (scfm)	Analog (m^3/s)	Analog (acfm)					Analog	Field			Analog (psi)	Field (in H_2O)	Analog	Field				
6/29/2009	1640	DPE-1	88.0	88.0		25	20.9	0.010	134.3	6,000	25.3		NR	25.0	24.5	24	NR	0	0	229	200	NR	0	0	
9/4/2009	805	DPE-1	957.0	869.0		25	24.3	0.011	109.5	1,208,000	23.3		9.4	9.7	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		40	36.1	0.017	120.5	1,209,000	21.0		21.0	20.4	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		25	27.3	0.013	117.2	1,212,000	23.0		22.5	22.7	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	23.0		22.5	22.2	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	23.1		22.5	22.4	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	15.2		14.1	14.6	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	24.0	NA	23.5	23.0	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	19.5	NA	19.0	18.7	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	20.3	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	15.5	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	17.7	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	16.5	NA	15.5	15.3	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	16.3	NA	15.8	15.6	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	16.5	NA	16.1	15.7	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	20.0	18.5	18.5	19.2	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	16.5	16.1	15.8	15.6	14.90	15.0	75	0.07	0	222	224	0.8	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.

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	11.1	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	12.9	12.2	16.0	330	NR	
2/22/2010	8:00	49	232	122,167	128,552	12.9	12.9	14.0	330	500	
3/9/2010	NR	50	255	131,361	137,839	12.9	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	12.9	12.9	14.0	330	500	
5/12/2010	1330	50	308	170,079	177,797	12.8	12.9	14.0	330	500	

Notes:
NR: Not recorded.
NP: Not pumping

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
6/29/2009	1640	54	4	18	12	29	NR	
9/4/2009	805	382	34	18	11	0	2140	PID was 180 ppm late in 20 min blower cycle
9/4/2009	946	383	34	18	11	31	509	
10/15/2009	1120	649	55	18	11	NR	ND	
10/16/2009	621	651	56	18	11	NR	ND	
10/23/2009	922	654	56	NR	NR	NR	NR	
11/17/2009	1800	772	65	18	12	NR	NR	
12/17/2009	902	951	78	18	11	30	71	
12/28/2009	1300	1032	84	17	11	NR	268	
1/14/2010	1800	1133	92	17	10	24	ND	
1/27/2010	NR	1188	96	18	11	24	NR	
2/22/2010	8:00	1349	103	18	11	22	ND	
3/9/2010	NR	1436	109	18	11	26	NR	
3/25/2010	742	1544	117	18	11	28	ND	
4/16/2010	731	1688	128	18	11	26	251	
5/12/2010	1330	1856	141	18	11	26	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**

Notes:
Bold indicates the current operating extraction well.

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-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-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-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

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-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-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-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

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-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-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-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

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-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-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-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

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	Sep-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	X	X	X	X
- 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	X	X	X	X
- Change Oil - EVERY 5,000 OPERATING HOURS							Mar 9						
- Clean Pump Inlet Opening							Mar 9	Apr 16	May 12	X	X	X	X
- 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	X	X	X	X
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	X	X	X	X
- Check Sediment - MONTHLY		Oct 27	Nov 16	Dec 17	Jan 14	Feb 3, 10, 22	Mar 9, 25	Apr 16	May 12	X	X	X	X
- Remove Sediment - AS NEEDED		Oct 27	Nov 16			Feb 3, 10, 22			May 12				
- Replace MS#1Filter (5 micron) - If Pressure Drop Occurs						Feb 26						X	
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs						Feb 26						X	
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9	Apr 16	May 12	X	X	X	X
for Water Leaks - MONTHLY													
- Replace Transfer Pump Stator - SEMI-ANNUALLY						Feb 16						X	
Air Stripper Maintenance													
- Clean Air Stripper - ANNUALLY OR AS NEEDED							Mar 25	Apr 16	May 12				
- Clean Floats - QUARTERLY						Feb 12			May 12			X	
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 25	Apr 16	May 12	X	X	X	X
Fittings for Water Leaks - MONTHLY													
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 25	Apr 16	May 12	X	X	X	X
Leaks - MONTHLY													
Solonoid Valve Maintenance													
- Inspect - MONTHLY	Sep 4	Oct 15, 16	Nov 16	Dec 17	Jan 14	Feb 22	Mar 9, 25	Apr 16	May 12	X	X	X	X
- Clean - AS NEEDED		Oct 27	Nov 6	Dec 4									
- Rebuild - AS NEEDED				Dec 7									

Notes:

Sep 4: Date task completed.
X: Task to be completed during that month.
NA: Not applicable

FIELD DATA SHEET 1 of 2

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

DATE: 5/12/10
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
DPE PUMP AIR FLOW (SCFM): 132.4 +5
DPE WELL VACUUM (IN. HG): 15.61
DPE PUMP INLET VACUUM (IN. HG): 16.50
DPE PUMP OUTLET PRESSURE (PSI): 6.07
DPE PUMP OUTLET TEMP (DEG. F): 222 3
MS PUMP WATER FLOW (GPM): 12.93

TOTAL PANEL READINGS
DPE VACUUM PUMP (HRS): 59.6
MS PUMP (HRS): 5.8
MS VACUUM VALVE (HRS): 50
AIR STRIPPER BLOWER (HRS): 1856
AIR STRIPPER PUMP (HRS): 141
DPE AIR FLOW (SCF): 1850 2000
MS PUMP WATER FLOW (GAL): 17007 9
SUMP PUMP WATER FLOW (GAL): 330

FIELD MEASUREMENTS
DPE WELL CASING VACUUM (MM HG): 100 H_2O
DPE WELL HEAD (DROP TUBE) VACUUM (IN. HG):
PRE-MANIFOLD VACUUM (IN. HG): 15.0
DPE WELL (PRE-MS) VACUUM (IN.HG): 14.9
POST-MS VACUUM (IN. HG): 15.8
DPE PUMP AIR FLOW (SCFM): 135
DPE EXHAUST PID CONC. (PPM): 0 See Note
DPE PUMP OUTLET PRESSURE (IN. H2O)): ND
DPE PUMP OUTLET TEMP (DEG. F): 224
pre DPE Blower 16.1 Hg
MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.9
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
MS PUMP FLOW TOTALIZER READING (GAL): 17797

AS EXHAUST PRESSURE (IN. H20): 11
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 26
AS BLOWER PRESSURE (IN. H20): 18
AS EXHAUST PID (PPM): ND

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 541

STATIC WATER LEVELS

	Clean to Dirty Ranking	Well Depth below TOC (FT)	Depth to Water below TOC (FT)
MW-14	3	17.5	12.68
MW-15	4	18	15.49
MW-16	10	18	13.41
MW-17	7	25	13.84
MW-18	6	60	14.60
MW-19	1	20	14.84
MW-20	8	16.7	13.18
DPE-1	15	21.9	16.48
DPE-2	13	20.5	16.31
DPE-3	14	17.1	16.26
DPE-4	12	19.3	16.86
DPE-5	9	18.1	15.98
DPE-6	5	19.5	16.02
DPE-7	2	22.2	17.41
DPE-8	11	17.5	16.61
Sump	1	7.74	7.01

OPERATING WATER LEVELS

DPE-1	21.6
DPE-2	20.3
DPE-3	19.20
DPE-4	19.7
DPE-5	19.1
DPE-6	19.4
DPE-7	22.0
DPE-8	17.5

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

AMBIENT ROOM TEMPERATURE
CURRENT: MAX:

COMMENTS/MAINTENANCE:

FIELD DATA SHEET 2 of 2

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

DATE:
TIME:
RECORDED BY:

	PID READINGS	DPE EXHAUST FLOW RATE	DPE PUMP INLET VACUUM	WELL CASING VACUUMS
DPE-1	9.9	45	23.5	51
DPE-2	10.1	55	22.0	195
DPE-3	23.7	80	20.0	127
DPE-4	7.0	70	21.0	87
DPE-5	0.8	115	18	75
DPE-6	0.0	90	19.0	148
DPE-7	0.0	110	18.0	68
DPE-8	0.0	130	16.5	~~5~~ 86

5/12/10 (86.875 AVE FLOW RATE) (-24)

~~Flow before reading~~

CAN started @ 13:30
CAN 764
Reg PA 191

@ 14:40 (-20) - ended 19:30 (-2)

AS - IN 14:30
AS - out 14:35

1 1/2 Gallon Acid

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: Multiple Location Date: May 13, 2010

Station: Sample time:

Multiple Sampling Log:		Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Location:								
DPE-1:		8:00	18.4	2428	6.41	248	8.05	
DPE-2:		8:30	18.1	2900	7.25	268	5.50	
DPE-3:		9:00	17.1	4484	7.12	270	7.35	
DPE-4:		9:30	9.6	5362	7.88	242	8.61	
DPE-5:		10:00	17.1	3115	7.92	274	7.54	
DPE-6:		10:30	18.4	1022	8.18	272	5.80	
DPE-7:		11:00	18.5	1240	7.98	272	5.19	
DPE-8:		11:30	17.8	2206	8.00	262	9.06	
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.

8 7 6 5

(1/2 of DTW

WH VI 84 VI 8-3 VI 8-2 VI 8-1 VI 8

(48)/3.5 12.0 19.0 17.5 16.5

open WH ND 8.0

add water — well mud 9.5 9.5 8.5

5

(80)/5.8 11 16.9 16.9 14.9 14.9

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-14 Date: May 12, 2010

Station: Sample time: 16:10

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	17.5							
Static water level:	12.68		13.65	1539	7.86	179	5.20	
Water depth[1]:	4.82							
Well volume (gal):	.7							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:						
Rate, gpm:	—	Purge appearance:		Lt Gry Brn				
Volume purged:	1.0	Sample appearance:		Clear				
Duplicate collected?	NO	Comments:		1.0 Dry				
Sampled by:	SEG							
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							

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

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-15 Date: May 12, 2010

Station: Sample time: 16:40

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	15.44		12.56	1093	7.37	84.9	6.57	
Water depth[1]:	2.56							
Well volume (gal):	.4							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:						
Rate, gpm:	—	Purge appearance:	Cloudy Brn					
Volume purged:	1.8 Gal	Sample appearance:	Clear					
Duplicate collected?	NO	Comments:	.5 gallons dry					
Sampled by:	JE							
Others present:		Well Condition						
Analysis:	(VOC) filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-16 Date: May 12, 2010

Station: Sample time: 19:15

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	18							
Static water level:	13.41		18.52	3240	7.46	208	6.29	
Water depth[1]:	4.59							
Well volume (gal):	.7							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:								
Stop time:								
Duration (min.):		Odor:						
Rate, gpm:		Purge appearance:		Brown / Red				
Volume purged:	1.4	Sample appearance:		Clear				
Duplicate collected?	No	Comments:		1.4 softened by				
Sampled by:	JEL							
Others present:				Well Condition				
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-17 Date: May 12, 2010

Station: 25 Sample time: 10:10

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	25							
Static water level:	13.84		18.05	1707	7.21	-82	1.2	
Water depth[1]:	11.16							
Well volume (gal):	1.8							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:						
Rate, gpm:	—	Purge appearance:	Brown clear					
Volume purged:	2.0	Sample appearance:	clear					
Duplicate collected?	NO	Comments:	2.0 Sediment dry					
Sampled by:	JC							
Others present:		Well Condition						
Analysis:	VOC	filtered metal	ml filter	in-line filter	others:			

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

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-18 Date: May 12, 2010

Station: Sample time: 17:25

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	60							
Static water level:	14.60		18.11	[illegible]	6.73	-122	2.21	
Water depth[1]:	45.4							
Well volume (gal):	7.4							
Purge method:	Bucket							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:	Yes - fuel					
Rate, gpm:	—	Purge appearance:	gray - black					
Volume purged:	8 g	Sample appearance:	clear					
Duplicate collected?	—	Comments: 8 gallons of 2						
Sampled by:	JTC							
Others present:		Well Condition						
Analysis:	VOC filtered metal ml filter in-line filter others:							
MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other:								

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling

Project Name: CRC Project Number: CRC-10

Location: MW-19 Date: May 12, 2010

Station: Sample time: 15:30

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	20							
Static water level:	14.84		6.4	3255	6.25	232.2	43.54	
Water depth[1]:	5.16							
Well volume (gal):	.8							
Purge method:	Whale							
Sample Method:	Bailer							
Start time:	NA							
Stop time:	NA							
Duration (min.):	NA	Odor:						
Rate, gpm:	NA	Purge appearance:	cloudy					
Volume purged:	.8	Sample appearance:	cloudy					
Duplicate collected?	No	Comments: .8 gallons Dry						
Sampled by:	SLV	recovered and sampled						
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-10

Location: MW-20 Date: May 12, 2010

Station: Sample time: 12.40

Casing diameter:	2"	Time/ Volume	Temp °C	Cond @ 25	pH	Eh	D.O.	Turb. NTU
Total well depth:	16.7							
Static water level:	13.18		17.96	240	7.16	64	7.82	
Water depth[1]:	3.52							
Well volume (gal):	.6							
Purge method:	whale							
Sample Method:	Bailer							
Start time:	—							
Stop time:	—							
Duration (min.):	—	Odor:						
Rate, gpm:	—	Purge appearance:	Brown cloudy					
Volume purged:	1.2	Sample appearance:	clear					
Duplicate collected?	NO	Comments:						
Sampled by:	JEC	1.2 Gallons dry						
Others present:		Well Condition						
Analysis:	VOC filtered metal ml filter in-line filter others:							

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

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

Attachment B

Pace Analytical®
www.pacelabs.com

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

May 27, 2010

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

RE: Project: CRC City of Rochester
Pace Project No.: 10128927

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Paul Kirchberg for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10128927

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10128927

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10128927001	**AS-Influent**	Water	05/12/10 14:30	05/14/10 12:25
10128927002	**AS-Effluent**	Water	05/12/10 14:45	05/14/10 12:25

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10128927

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10128927001	AS-Influent	EPA 624	DRE	82
10128927002	AS-Effluent	EPA 624	DRE	82

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128927

Sample: AS-Influent **Lab ID: 10128927001** Collected: 05/12/10 14:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	10.0	1		05/18/10 19:09	67-64-1	
Acrolein	ND	ug/L	40.0	1		05/18/10 19:09	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		05/18/10 19:09	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		05/18/10 19:09	107-05-1	
Benzene	ND	ug/L	1.0	1		05/18/10 19:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/18/10 19:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/18/10 19:09	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1		05/18/10 19:09	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/18/10 19:09	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/18/10 19:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/18/10 19:09	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		05/18/10 19:09	75-15-0	
Carbon tetrachloride	ND	ug/L	4.0	1		05/18/10 19:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/18/10 19:09	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/18/10 19:09	110-75-8	
Chloroform	ND	ug/L	1.0	1		05/18/10 19:09	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/18/10 19:09	74-87-3	
Chloroprene	ND	ug/L	1.0	1		05/18/10 19:09	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		05/18/10 19:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/18/10 19:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/18/10 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/18/10 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/18/10 19:09	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/18/10 19:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/18/10 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/18/10 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/18/10 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/18/10 19:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/18/10 19:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/18/10 19:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/18/10 19:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/18/10 19:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/18/10 19:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/18/10 19:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/18/10 19:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/18/10 19:09	87-68-3	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128927

Sample: AS-Influent **Lab ID: 10128927001** Collected: 05/12/10 14:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
2-Hexanone	ND	ug/L	4.0	1		05/18/10 19:09	591-78-6	
Iodomethane	ND	ug/L	4.0	1		05/18/10 19:09	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/18/10 19:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/18/10 19:09	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/18/10 19:09	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		05/18/10 19:09	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/18/10 19:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/18/10 19:09	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/18/10 19:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	103-65-1	
Styrene	ND	ug/L	1.0	1		05/18/10 19:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/18/10 19:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/18/10 19:09	79-34-5	
Tetrachloroethene	**63.4**	ug/L	1.0	1		05/18/10 19:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/18/10 19:09	109-99-9	
Toluene	ND	ug/L	1.0	1		05/18/10 19:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/18/10 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1		05/18/10 19:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/18/10 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1		05/18/10 19:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/18/10 19:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	**2.5**	ug/L	1.0	1		05/18/10 19:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/18/10 19:09	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		05/18/10 19:09	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		05/18/10 19:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/18/10 19:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/18/10 19:09	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/18/10 19:09	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	1		05/18/10 19:09	1868-53-7	
4-Bromofluorobenzene (S)	92	%	75-125	1		05/18/10 19:09	460-00-4	
Toluene-d8 (S)	92	%	75-125	1		05/18/10 19:09	2037-26-5	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		05/18/10 19:09	17060-07-0	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128927

Sample: AS-Effluent **Lab ID: 10128927002** Collected: 05/12/10 14:45 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
Acetone	ND	ug/L	10.0	1		05/18/10 19:32	67-64-1	
Acrolein	ND	ug/L	40.0	1		05/18/10 19:32	107-02-8	
Acrylonitrile	ND	ug/L	10.0	1		05/18/10 19:32	107-13-1	
Allyl chloride	ND	ug/L	4.0	1		05/18/10 19:32	107-05-1	
Benzene	ND	ug/L	1.0	1		05/18/10 19:32	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/18/10 19:32	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/18/10 19:32	74-97-5	
Bromodichloromethane	ND	ug/L	4.0	1		05/18/10 19:32	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/18/10 19:32	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/18/10 19:32	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/18/10 19:32	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	98-06-6	
Carbon disulfide	ND	ug/L	1.0	1		05/18/10 19:32	75-15-0	
Carbon tetrachloride	ND	ug/L	4.0	1		05/18/10 19:32	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/18/10 19:32	75-00-3	
2-Chloroethylvinyl ether	ND	ug/L	10.0	1		05/18/10 19:32	110-75-8	
Chloroform	ND	ug/L	1.0	1		05/18/10 19:32	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/18/10 19:32	74-87-3	
Chloroprene	ND	ug/L	1.0	1		05/18/10 19:32	126-99-8	
2-Chlorotoluene	ND	ug/L	1.0	1		05/18/10 19:32	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/18/10 19:32	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/18/10 19:32	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/18/10 19:32	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/18/10 19:32	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		05/18/10 19:32	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/18/10 19:32	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/18/10 19:32	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/18/10 19:32	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:32	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:32	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/18/10 19:32	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/18/10 19:32	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/18/10 19:32	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/18/10 19:32	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/18/10 19:32	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/18/10 19:32	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/18/10 19:32	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/18/10 19:32	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/18/10 19:32	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/18/10 19:32	87-68-3	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128927

Sample: AS-Effluent **Lab ID: 10128927002** Collected: 05/12/10 14:45 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
624 MSV	Analytical Method: EPA 624							
2-Hexanone	ND	ug/L	4.0	1		05/18/10 19:32	591-78-6	
Iodomethane	ND	ug/L	4.0	1		05/18/10 19:32	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/18/10 19:32	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/18/10 19:32	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/18/10 19:32	75-09-2	
2-Methylnaphthalene	ND	ug/L	5.0	1		05/18/10 19:32	91-57-6	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		05/18/10 19:32	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/18/10 19:32	1634-04-4	
Naphthalene	ND	ug/L	4.0	1		05/18/10 19:32	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	103-65-1	
Styrene	ND	ug/L	1.0	1		05/18/10 19:32	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/18/10 19:32	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/18/10 19:32	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/18/10 19:32	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/18/10 19:32	109-99-9	
Toluene	ND	ug/L	1.0	1		05/18/10 19:32	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/18/10 19:32	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/18/10 19:32	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	4.0	1		05/18/10 19:32	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/18/10 19:32	79-01-6	
Trichlorofluoromethane	ND	ug/L	4.0	1		05/18/10 19:32	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/18/10 19:32	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/18/10 19:32	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/18/10 19:32	108-67-8	
Vinyl acetate	ND	ug/L	20.0	1		05/18/10 19:32	108-05-4	
Vinyl chloride	ND	ug/L	0.40	1		05/18/10 19:32	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/18/10 19:32	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/18/10 19:32	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/18/10 19:32	95-47-6	
Dibromofluoromethane (S)	112	%	75-125	1		05/18/10 19:32	1868-53-7	
4-Bromofluorobenzene (S)	93	%	75-125	1		05/18/10 19:32	460-00-4	
Toluene-d8 (S)	92	%	75-125	1		05/18/10 19:32	2037-26-5	
1,2-Dichloroethane-d4 (S)	110	%	75-125	1		05/18/10 19:32	17060-07-0	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

QC Batch: MSV/14562 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10128927001, 10128927002

METHOD BLANK: 792188 Matrix: Water
Associated Lab Samples: 10128927001, 10128927002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,2-Trichloroethane	ug/L	ND	4.0	05/18/10 15:23	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloropropene	ug/L	ND	1.0	05/18/10 15:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/18/10 15:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,3-Dichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
2,2-Dichloropropane	ug/L	ND	4.0	05/18/10 15:23	
2-Butanone (MEK)	ug/L	ND	4.0	05/18/10 15:23	
2-Chloroethylvinyl ether	ug/L	ND	10.0	05/18/10 15:23	
2-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:23	
2-Hexanone	ug/L	ND	4.0	05/18/10 15:23	
2-Methylnaphthalene	ug/L	ND	5.0	05/18/10 15:23	
4-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	05/18/10 15:23	
Acetone	ug/L	ND	10.0	05/18/10 15:23	
Acrolein	ug/L	ND	40.0	05/18/10 15:23	
Acrylonitrile	ug/L	ND	10.0	05/18/10 15:23	
Allyl chloride	ug/L	ND	4.0	05/18/10 15:23	
Benzene	ug/L	ND	1.0	05/18/10 15:23	
Bromobenzene	ug/L	ND	1.0	05/18/10 15:23	
Bromochloromethane	ug/L	ND	1.0	05/18/10 15:23	
Bromodichloromethane	ug/L	ND	4.0	05/18/10 15:23	
Bromoform	ug/L	ND	8.0	05/18/10 15:23	
Bromomethane	ug/L	ND	4.0	05/18/10 15:23	
Carbon disulfide	ug/L	ND	1.0	05/18/10 15:23	
Carbon tetrachloride	ug/L	ND	4.0	05/18/10 15:23	
Chlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
Chloroethane	ug/L	ND	1.0	05/18/10 15:23	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

METHOD BLANK: 792188 Matrix: Water

Associated Lab Samples: 10128927001, 10128927002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Chloroform	ug/L	ND	1.0	05/18/10 15:23	
Chloromethane	ug/L	ND	4.0	05/18/10 15:23	
Chloroprene	ug/L	ND	1.0	05/18/10 15:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:23	
Dibromochloromethane	ug/L	ND	1.0	05/18/10 15:23	
Dibromomethane	ug/L	ND	1.0	05/18/10 15:23	
Dichlorodifluoromethane	ug/L	ND	1.0	05/18/10 15:23	
Dichlorofluoromethane	ug/L	ND	1.0	05/18/10 15:23	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/18/10 15:23	
Ethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/18/10 15:23	
Iodomethane	ug/L	ND	4.0	05/18/10 15:23	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/18/10 15:23	
m&p-Xylene	ug/L	ND	2.0	05/18/10 15:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/18/10 15:23	
Methylene Chloride	ug/L	ND	4.0	05/18/10 15:23	
n-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
n-Propylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Naphthalene	ug/L	ND	4.0	05/18/10 15:23	
o-Xylene	ug/L	ND	1.0	05/18/10 15:23	
p-Isopropyltoluene	ug/L	ND	1.0	05/18/10 15:23	
sec-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Styrene	ug/L	ND	1.0	05/18/10 15:23	
tert-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Tetrachloroethene	ug/L	ND	1.0	05/18/10 15:23	
Tetrahydrofuran	ug/L	ND	10.0	05/18/10 15:23	
Toluene	ug/L	ND	1.0	05/18/10 15:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:23	
Trichloroethene	ug/L	ND	1.0	05/18/10 15:23	
Trichlorofluoromethane	ug/L	ND	4.0	05/18/10 15:23	
Vinyl acetate	ug/L	ND	20.0	05/18/10 15:23	
Vinyl chloride	ug/L	ND	0.40	05/18/10 15:23	
Xylene (Total)	ug/L	ND	3.0	05/18/10 15:23	
1,2-Dichloroethane-d4 (S)	%	101	75-125	05/18/10 15:23	
4-Bromofluorobenzene (S)	%	92	75-125	05/18/10 15:23	
Dibromofluoromethane (S)	%	103	75-125	05/18/10 15:23	
Toluene-d8 (S)	%	97	75-125	05/18/10 15:23	

LABORATORY CONTROL SAMPLE: 792189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.8	108	75-129	
1,1,1-Trichloroethane	ug/L	50	53.4	107	73-144	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

LABORATORY CONTROL SAMPLE: 792189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	75-125	
1,1,2-Trichloroethane	ug/L	50	47.9	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	60.5	121	75-143	
1,1-Dichloroethane	ug/L	50	49.8	100	75-135	
1,1-Dichloroethene	ug/L	50	51.3	103	75-133	
1,1-Dichloropropene	ug/L	50	51.5	103	75-131	
1,2,3-Trichlorobenzene	ug/L	50	52.5	105	73-141	
1,2,3-Trichloropropane	ug/L	50	50.9	102	75-126	
1,2,4-Trichlorobenzene	ug/L	50	53.8	108	70-148	
1,2,4-Trimethylbenzene	ug/L	50	53.8	108	75-141	
1,2-Dibromo-3-chloropropane	ug/L	50	57.0	114	64-135	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	75-125	
1,2-Dichlorobenzene	ug/L	50	52.0	104	75-125	
1,2-Dichloroethane	ug/L	50	49.7	99	75-136	
1,2-Dichloropropane	ug/L	50	50.2	100	75-130	
1,3,5-Trimethylbenzene	ug/L	50	53.8	108	75-141	
1,3-Dichlorobenzene	ug/L	50	53.0	106	75-125	
1,3-Dichloropropane	ug/L	50	50.7	101	75-125	
1,4-Dichlorobenzene	ug/L	50	50.4	101	75-125	
2,2-Dichloropropane	ug/L	50	54.7	109	50-150	
2-Butanone (MEK)	ug/L	50	41.2	82	58-138	
2-Chloroethylvinyl ether	ug/L	125	133	107	50-150	
2-Chlorotoluene	ug/L	50	52.4	105	75-132	
2-Hexanone	ug/L	50	42.4	85	65-135	
2-Methylnaphthalene	ug/L	50	55.8	112	62-150	
4-Chlorotoluene	ug/L	50	52.0	104	75-135	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.3	97	69-137	
Acetone	ug/L	125	84.6	68	52-141	
Acrolein	ug/L	500	361	72	50-150	
Acrylonitrile	ug/L	500	514	103	75-130	
Allyl chloride	ug/L	50	49.3	99	68-150	
Benzene	ug/L	50	52.4	105	75-125	
Bromobenzene	ug/L	50	51.7	103	75-125	
Bromochloromethane	ug/L	50	51.6	103	75-129	
Bromodichloromethane	ug/L	50	53.8	108	75-142	
Bromoform	ug/L	100	112	112	66-135	
Bromomethane	ug/L	50	48.8	98	57-150	
Carbon disulfide	ug/L	50	62.7	125	65-132	
Carbon tetrachloride	ug/L	50	58.3	117	75-148	
Chlorobenzene	ug/L	50	50.3	101	75-125	
Chloroethane	ug/L	50	44.1	88	66-142	
Chloroform	ug/L	50	51.7	103	75-131	
Chloromethane	ug/L	50	45.9	92	52-147	
Chloroprene	ug/L	50	51.2	102	71-147	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	75-126	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	69-150	
Dibromochloromethane	ug/L	50	57.7	115	73-138	
Dibromomethane	ug/L	50	50.6	101	75-127	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

LABORATORY CONTROL SAMPLE: 792189

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Dichlorodifluoromethane	ug/L	50	58.1	116	50-150	
Dichlorofluoromethane	ug/L	50	47.7	95	75-129	
Diethyl ether (Ethyl ether)	ug/L	50	51.8	104	75-126	
Ethylbenzene	ug/L	50	51.8	104	75-132	
Hexachloro-1,3-butadiene	ug/L	50	53.8	108	75-129	
Iodomethane	ug/L	50	51.9	104	73-150	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	75-142	
m&p-Xylene	ug/L	100	105	105	75-131	
Methyl-tert-butyl ether	ug/L	50	51.0	102	75-130	
Methylene Chloride	ug/L	50	50.0	100	71-125	
n-Butylbenzene	ug/L	50	52.9	106	70-148	
n-Propylbenzene	ug/L	50	53.1	106	75-136	
Naphthalene	ug/L	50	52.6	105	69-145	
o-Xylene	ug/L	50	52.5	105	75-129	
p-Isopropyltoluene	ug/L	50	53.0	106	75-132	
sec-Butylbenzene	ug/L	50	53.6	107	75-136	
Styrene	ug/L	50	51.6	103	75-125	
tert-Butylbenzene	ug/L	50	53.6	107	75-135	
Tetrachloroethene	ug/L	50	51.9	104	75-125	
Tetrahydrofuran	ug/L	500	564	113	63-144	
Toluene	ug/L	50	50.9	102	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	72-135	
trans-1,3-Dichloropropene	ug/L	50	55.2	110	62-150	
Trichloroethene	ug/L	50	51.6	103	75-125	
Trichlorofluoromethane	ug/L	50	51.6	103	67-150	
Vinyl acetate	ug/L	50	60.1	120	55-150	
Vinyl chloride	ug/L	50	45.6	91	63-147	
Xylene (Total)	ug/L	150	158	105	75-130	
1,2-Dichloroethane-d4 (S)	%			94	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE SAMPLE: 792190

Parameter	Units	10129031002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	22.4	112	70-136	
1,1,1-Trichloroethane	ug/L	ND	20	23.5	118	68-150	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	21.1	106	75-125	
1,1,2-Trichloroethane	ug/L	ND	20	21.3	106	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	29.4	147	75-150	
1,1-Dichloroethane	ug/L	ND	20	22.4	112	67-143	
1,1-Dichloroethene	ug/L	ND	20	24.2	121	75-147	
1,1-Dichloropropene	ug/L	ND	20	23.6	118	75-141	
1,2,3-Trichlorobenzene	ug/L	ND	20	22.9	115	71-141	
1,2,3-Trichloropropane	ug/L	ND	20	21.4	107	75-128	
1,2,4-Trichlorobenzene	ug/L	ND	20	23.0	115	61-148	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

MATRIX SPIKE SAMPLE: 792190

Parameter	Units	10129031002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	ND	20	24.1	121	65-145	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	23.4	117	64-135	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.4	102	75-126	
1,2-Dichlorobenzene	ug/L	ND	20	22.6	113	75-127	
1,2-Dichloroethane	ug/L	ND	20	20.9	104	70-138	
1,2-Dichloropropane	ug/L	ND	20	21.1	106	75-130	
1,3,5-Trimethylbenzene	ug/L	ND	20	24.6	123	61-150	
1,3-Dichlorobenzene	ug/L	ND	20	23.6	118	75-126	
1,3-Dichloropropane	ug/L	ND	20	20.9	104	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	22.4	112	75-125	
2,2-Dichloropropane	ug/L	ND	20	24.7	124	50-150	
2-Butanone (MEK)	ug/L	ND	20	14.4	72	50-141	
2-Chloroethylvinyl ether	ug/L	ND	50	11.8	24	50-150	P5
2-Chlorotoluene	ug/L	ND	20	23.5	117	75-137	
2-Hexanone	ug/L	ND	20	14.6	73	66-135	
2-Methylnaphthalene	ug/L	ND	20	26.4	132	62-150	
4-Chlorotoluene	ug/L	ND	20	23.4	117	70-144	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	19.7	98	62-142	
Acetone	ug/L	ND	50	29.2	58	50-150	
Acrolein	ug/L	ND	200	396	198	50-150	M0
Acrylonitrile	ug/L	ND	200	200	100	70-135	
Allyl chloride	ug/L	ND	20	22.4	112	50-150	
Benzene	ug/L	ND	20	22.6	113	75-125	
Bromobenzene	ug/L	ND	20	23.0	115	75-125	
Bromochloromethane	ug/L	ND	20	22.3	112	73-137	
Bromodichloromethane	ug/L	ND	20	22.2	111	70-142	
Bromoform	ug/L	ND	40	43.6	109	55-135	
Bromomethane	ug/L	ND	20	24.1	120	50-150	
Carbon disulfide	ug/L	ND	20	28.0	140	50-150	
Carbon tetrachloride	ug/L	ND	20	26.4	132	64-150	
Chlorobenzene	ug/L	ND	20	22.0	110	75-125	
Chloroethane	ug/L	ND	20	22.8	114	59-150	
Chloroform	ug/L	ND	20	22.4	112	75-132	
Chloromethane	ug/L	ND	20	23.0	115	52-150	
Chloroprene	ug/L	ND	20	23.2	116	54-150	
cis-1,2-Dichloroethene	ug/L	5.4	20	28.3	114	64-144	
cis-1,3-Dichloropropene	ug/L	ND	20	21.5	108	56-150	
Dibromochloromethane	ug/L	ND	20	22.6	113	60-138	
Dibromomethane	ug/L	ND	20	20.8	104	75-127	
Dichlorodifluoromethane	ug/L	ND	20	31.8	159	50-150	M0
Dichlorofluoromethane	ug/L	ND	20	22.4	112	74-142	
Diethyl ether (Ethyl ether)	ug/L	ND	20	21.8	109	75-127	
Ethylbenzene	ug/L	ND	20	22.8	114	75-134	
Hexachloro-1,3-butadiene	ug/L	ND	20	29.3	146	63-150	
Iodomethane	ug/L	ND	20	21.7	109	50-150	
Isopropylbenzene (Cumene)	ug/L	ND	20	23.6	118	69-147	
m&p-Xylene	ug/L	ND	40	47.3	118	75-133	
Methyl-tert-butyl ether	ug/L	ND	20	19.8	99	73-131	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

MATRIX SPIKE SAMPLE: 792190

Parameter	Units	10129031002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Methylene Chloride	ug/L	ND	20	21.4	107	68-126	
n-Butylbenzene	ug/L	ND	20	25.2	126	59-150	
n-Propylbenzene	ug/L	ND	20	24.1	120	72-143	
Naphthalene	ug/L	ND	20	21.6	108	57-148	
o-Xylene	ug/L	ND	20	22.9	115	75-131	
p-Isopropyltoluene	ug/L	ND	20	24.5	122	75-137	
sec-Butylbenzene	ug/L	ND	20	25.0	125	75-144	
Styrene	ug/L	ND	20	22.4	112	75-134	
tert-Butylbenzene	ug/L	ND	20	24.2	121	68-150	
Tetrachloroethene	ug/L	ND	20	23.3	116	75-130	
Tetrahydrofuran	ug/L	ND	200	207	104	60-148	
Toluene	ug/L	ND	20	22.7	113	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	22.3	111	75-145	
trans-1,3-Dichloropropene	ug/L	ND	20	22.0	110	50-150	
Trichloroethene	ug/L	9.6	20	32.4	114	73-132	
Trichlorofluoromethane	ug/L	ND	20	27.0	135	67-150	
Vinyl acetate	ug/L	ND	20	22.5	113	50-150	
Vinyl chloride	ug/L	1.1	20	24.4	117	63-150	
Xylene (Total)	ug/L	ND	60	70.2	117	72-138	
1,2-Dichloroethane-d4 (S)	%				101	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Dibromofluoromethane (S)	%				100	75-125	
Toluene-d8 (S)	%				98	75-125	

SAMPLE DUPLICATE: 792191

Parameter	Units	10129031001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

SAMPLE DUPLICATE: 792191

Parameter	Units	10129031001 Result	Dup Result	RPD	Max RPD	Qualifiers
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chloroethylvinyl ether	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
2-Hexanone	ug/L	ND	ND		30	
2-Methylnaphthalene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Acrolein	ug/L	ND	ND		30	
Acrylonitrile	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon disulfide	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	
Chloroprene	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	8.0	8.2	3	30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	
Iodomethane	ug/L	ND	ND		30	
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128927

SAMPLE DUPLICATE: 792191

Parameter	Units	10129031001 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	16.3	16.5	.9	30	
Trichlorofluoromethane	ug/L	ND	ND		30	
Vinyl acetate	ug/L	ND	ND		30	
Vinyl chloride	ug/L	1.3	1.4	9	30	
Xylene (Total)	ug/L	ND	ND		30	
1,2-Dichloroethane-d4 (S)	%	102	113	10		
4-Bromofluorobenzene (S)	%	93	92	2		
Dibromofluoromethane (S)	%	104	108	4		
Toluene-d8 (S)	%	93	93	.1		

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10128927

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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.

ANALYTE QUALIFIERS

M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P5	The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10128927

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10128927001	**AS-Influent**	EPA 624	MSV/14562		
10128927002	**AS-Effluent**	EPA 624	MSV/14562		

1124

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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.

10128927

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

REGULATORY AGENCY

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

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER_____

19 of 20

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 Ana: EPA 624	Pace Project Number / Lab I.D.
1	AS-Influent	W	G	5/12/10	14:30				3										X	001
2	AS-Effluent	W	G	5/12/10	14:45				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
			Matt Lo / Pace	5-14-10	1225

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.4°	(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)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Landmark Project #

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

Tracking #:

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

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

Thermometer Used 80344042 or 179425 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.4° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: 5-14-10 MI

Chain of Custody Present:	☑Yes	☐No	☐N/A
Chain of Custody Filled Out:	☑Yes	☐No	☐N/A
Chain of Custody Relinquished:	☐Yes	☒No	☐N/A
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A
Samples Arrived within Hold Time:	☑Yes	☐No	☐N/A
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A
Sufficient Volume:	☑Yes	☐No	☐N/A
Correct Containers Used:	☑Yes	☐No	☐N/A
-Pace Containers Used:	☒Yes	☐No	☐N/A
Containers Intact:	☑Yes	☐No	☐N/A
Filtered volume received for Dissolved tests	☐Yes	☐No	☒N/A
Sample Labels match COC:	☑Yes	☐No	☐N/A
-Includes date/time/ID/Analysis Matrix: WT			
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes	☐No	☑N/A
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A
Exceptions: (VOA) Coliform, TOC, Oil and Grease, WI-DRO (water)	☑Yes	☐No	
Samples checked for dechlorination:	☐Yes	☐No	☒N/A
Headspace in VOA Vials (>6mm):	☒Yes	☐No	☐N/A
Trip Blank Present:	☒Yes	☐No	☐N/A
Trip Blank Custody Seals Present	☑Yes	☐No	☐N/A
Pace Trip Blank Lot # (if purchased): 042610-4			

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12. TB isn't on COC
13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl
Samp #

Initial when completed	Lot # of added preservative

14.
15. Headspace in 1 trip Blank vials
16. Shared trip blanks with other projects. for 8260 analysis.

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: CWM **Date:** 5/19/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR.

F-L213Rev.00, 05Aug2009

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May 27, 2010

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

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Paul Kirchberg for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10128902001	**DPE-EXHAUST-764**	Air	05/12/10 19:30	05/14/10 12:25

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10128902001	DPE-EXHAUST-764	TO-15	LCW	61

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Sample: DPE-EXHAUST-764 **Lab ID: 10128902001** Collected: 05/12/10 19:30 Received: 05/14/10 12:25 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Acetone	**509**	ug/m3	148	308.8		05/21/10 11:47	67-64-1	
Benzene	ND	ug/m3	1.3	1.93		05/20/10 20:44	71-43-2	
Benzyl chloride	ND	ug/m3	2.0	1.93		05/20/10 20:44	100-44-7	
Bromodichloromethane	ND	ug/m3	2.7	1.93		05/20/10 20:44	75-27-4	
Bromoform	ND	ug/m3	4.1	1.93		05/20/10 20:44	75-25-2	
Bromomethane	ND	ug/m3	1.5	1.93		05/20/10 20:44	74-83-9	
1,3-Butadiene	ND	ug/m3	0.87	1.93		05/20/10 20:44	106-99-0	
2-Butanone (MEK)	**18.0**	ug/m3	1.2	1.93		05/20/10 20:44	78-93-3	
Carbon disulfide	**7.7**	ug/m3	1.2	1.93		05/20/10 20:44	75-15-0	
Carbon tetrachloride	ND	ug/m3	2.5	1.93		05/20/10 20:44	56-23-5	
Chlorobenzene	**3.1**	ug/m3	1.8	1.93		05/20/10 20:44	108-90-7	
Chloroethane	ND	ug/m3	1.0	1.93		05/20/10 20:44	75-00-3	
Chloroform	**4.9**	ug/m3	1.9	1.93		05/20/10 20:44	67-66-3	
Chloromethane	**9.6**	ug/m3	0.81	1.93		05/20/10 20:44	74-87-3	
Cyclohexane	**3.7**	ug/m3	1.3	1.93		05/20/10 20:44	110-82-7	
Dibromochloromethane	ND	ug/m3	3.3	1.93		05/20/10 20:44	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	3.1	1.93		05/20/10 20:44	106-93-4	
1,2-Dichlorobenzene	**5.5**	ug/m3	2.3	1.93		05/20/10 20:44	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	2.3	1.93		05/20/10 20:44	541-73-1	
1,4-Dichlorobenzene	**3.7**	ug/m3	2.3	1.93		05/20/10 20:44	106-46-7	
Dichlorodifluoromethane	**4.1**	ug/m3	1.9	1.93		05/20/10 20:44	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.6	1.93		05/20/10 20:44	75-34-3	
1,2-Dichloroethane	ND	ug/m3	1.6	1.93		05/20/10 20:44	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.6	1.93		05/20/10 20:44	75-35-4	
cis-1,2-Dichloroethene	**33.6**	ug/m3	1.6	1.93		05/20/10 20:44	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.6	1.93		05/20/10 20:44	156-60-5	
1,2-Dichloropropane	**2.5**	ug/m3	1.8	1.93		05/20/10 20:44	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.8	1.93		05/20/10 20:44	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.8	1.93		05/20/10 20:44	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.7	1.93		05/20/10 20:44	76-14-2	
Ethanol	**67.3**	ug/m3	3.7	1.93		05/20/10 20:44	64-17-5	
Ethyl acetate	ND	ug/m3	1.4	1.93		05/20/10 20:44	141-78-6	
Ethylbenzene	ND	ug/m3	1.7	1.93		05/20/10 20:44	100-41-4	
4-Ethyltoluene	ND	ug/m3	4.8	1.93		05/20/10 20:44	622-96-8	
n-Heptane	**2.0**	ug/m3	1.6	1.93		05/20/10 20:44	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	4.2	1.93		05/20/10 20:44	87-68-3	
n-Hexane	ND	ug/m3	1.4	1.93		05/20/10 20:44	110-54-3	
2-Hexanone	ND	ug/m3	1.6	1.93		05/20/10 20:44	591-78-6	
Methylene Chloride	ND	ug/m3	1.4	1.93		05/20/10 20:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.6	1.93		05/20/10 20:44	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.4	1.93		05/20/10 20:44	1634-04-4	
Naphthalene	ND	ug/m3	5.2	1.93		05/20/10 20:44	91-20-3	
2-Propanol	**7.9**	ug/m3	4.8	1.93		05/20/10 20:44	67-63-0	
Propylene	ND	ug/m3	0.68	1.93		05/20/10 20:44	115-07-1	
Styrene	ND	ug/m3	1.7	1.93		05/20/10 20:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	2.7	1.93		05/20/10 20:44	79-34-5	
Tetrachloroethene	**27900**	ug/m3	432	308.8		05/21/10 11:47	127-18-4	A3

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Sample: DPE-EXHAUST-764 **Lab ID: 10128902001** Collected: 05/12/10 19:30 Received: 05/14/10 12:25 Matrix: Air

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR	Analytical Method: TO-15							
Tetrahydrofuran	**15.0**	ug/m3	1.2	1.93		05/20/10 20:44	109-99-9	
Toluene	**8.0**	ug/m3	1.5	1.93		05/20/10 20:44	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	1.9	1.93		05/20/10 20:44	120-82-1	
1,1,1-Trichloroethane	**12.9**	ug/m3	2.1	1.93		05/20/10 20:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	2.1	1.93		05/20/10 20:44	79-00-5	
Trichloroethene	**24.5**	ug/m3	2.1	1.93		05/20/10 20:44	79-01-6	
Trichlorofluoromethane	ND	ug/m3	2.1	1.93		05/20/10 20:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	**21900**	ug/m3	494	308.8		05/21/10 11:47	76-13-1	A3
1,2,4-Trimethylbenzene	ND	ug/m3	4.8	1.93		05/20/10 20:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	4.8	1.93		05/20/10 20:44	108-67-8	
Vinyl acetate	**3.0**	ug/m3	1.4	1.93		05/20/10 20:44	108-05-4	
Vinyl chloride	ND	ug/m3	1.0	1.93		05/20/10 20:44	75-01-4	
m&p-Xylene	**5.1**	ug/m3	3.4	1.93		05/20/10 20:44	1330-20-7	
o-Xylene	**1.8**	ug/m3	1.7	1.93		05/20/10 20:44	95-47-6	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

QC Batch: AIR/10251
QC Batch Method: TO-15
Analysis Method: TO-15
Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10128902001

METHOD BLANK: 792998
Matrix: Air
Associated Lab Samples: 10128902001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	05/20/10 10:28	
1,1,2,2-Tetrachloroethane	ug/m3	ND	1.4	05/20/10 10:28	
1,1,2-Trichloroethane	ug/m3	ND	1.1	05/20/10 10:28	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	05/20/10 10:28	
1,1-Dichloroethane	ug/m3	ND	0.82	05/20/10 10:28	
1,1-Dichloroethene	ug/m3	ND	0.81	05/20/10 10:28	
1,2,4-Trichlorobenzene	ug/m3	ND	0.99	05/20/10 10:28	
1,2,4-Trimethylbenzene	ug/m3	ND	2.5	05/20/10 10:28	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	05/20/10 10:28	
1,2-Dichlorobenzene	ug/m3	ND	1.2	05/20/10 10:28	
1,2-Dichloroethane	ug/m3	ND	0.82	05/20/10 10:28	
1,2-Dichloropropane	ug/m3	ND	0.94	05/20/10 10:28	
1,3,5-Trimethylbenzene	ug/m3	ND	2.5	05/20/10 10:28	
1,3-Butadiene	ug/m3	ND	0.45	05/20/10 10:28	
1,3-Dichlorobenzene	ug/m3	ND	1.2	05/20/10 10:28	
1,4-Dichlorobenzene	ug/m3	ND	1.2	05/20/10 10:28	
2-Butanone (MEK)	ug/m3	ND	0.60	05/20/10 10:28	
2-Hexanone	ug/m3	ND	0.83	05/20/10 10:28	
2-Propanol	ug/m3	ND	2.5	05/20/10 10:28	
4-Ethyltoluene	ug/m3	ND	2.5	05/20/10 10:28	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	05/20/10 10:28	
Acetone	ug/m3	ND	0.48	05/20/10 10:28	
Benzene	ug/m3	ND	0.65	05/20/10 10:28	
Benzyl chloride	ug/m3	ND	1.0	05/20/10 10:28	
Bromodichloromethane	ug/m3	ND	1.4	05/20/10 10:28	
Bromoform	ug/m3	ND	2.1	05/20/10 10:28	
Bromomethane	ug/m3	ND	0.79	05/20/10 10:28	
Carbon disulfide	ug/m3	ND	0.63	05/20/10 10:28	
Carbon tetrachloride	ug/m3	ND	1.3	05/20/10 10:28	
Chlorobenzene	ug/m3	ND	0.94	05/20/10 10:28	
Chloroethane	ug/m3	ND	0.54	05/20/10 10:28	
Chloroform	ug/m3	ND	0.99	05/20/10 10:28	
Chloromethane	ug/m3	ND	0.42	05/20/10 10:28	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/10 10:28	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/10 10:28	
Cyclohexane	ug/m3	ND	0.68	05/20/10 10:28	
Dibromochloromethane	ug/m3	ND	1.7	05/20/10 10:28	
Dichlorodifluoromethane	ug/m3	ND	1.0	05/20/10 10:28	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	05/20/10 10:28	
Ethanol	ug/m3	ND	1.9	05/20/10 10:28	
Ethyl acetate	ug/m3	ND	0.73	05/20/10 10:28	
Ethylbenzene	ug/m3	ND	0.88	05/20/10 10:28	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	05/20/10 10:28	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

METHOD BLANK: 792998 Matrix: Air

Associated Lab Samples: 10128902001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
m&p-Xylene	ug/m3	ND	1.8	05/20/10 10:28	
Methyl-tert-butyl ether	ug/m3	ND	0.73	05/20/10 10:28	
Methylene Chloride	ug/m3	ND	0.71	05/20/10 10:28	
n-Heptane	ug/m3	ND	0.83	05/20/10 10:28	
n-Hexane	ug/m3	ND	0.72	05/20/10 10:28	
Naphthalene	ug/m3	ND	2.7	05/20/10 10:28	
o-Xylene	ug/m3	ND	0.88	05/20/10 10:28	
Propylene	ug/m3	ND	0.35	05/20/10 10:28	
Styrene	ug/m3	ND	0.87	05/20/10 10:28	
Tetrachloroethene	ug/m3	ND	1.4	05/20/10 10:28	
Tetrahydrofuran	ug/m3	ND	0.60	05/20/10 10:28	
Toluene	ug/m3	ND	0.77	05/20/10 10:28	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	05/20/10 10:28	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	05/20/10 10:28	
Trichloroethene	ug/m3	ND	1.1	05/20/10 10:28	
Trichlorofluoromethane	ug/m3	ND	1.1	05/20/10 10:28	
Vinyl acetate	ug/m3	ND	0.71	05/20/10 10:28	
Vinyl chloride	ug/m3	ND	0.52	05/20/10 10:28	

LABORATORY CONTROL SAMPLE: 792999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	48.2	87	55-127	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	68.9	99	58-128	
1,1,2-Trichloroethane	ug/m3	55.5	56.1	101	58-126	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	69.2	89	49-134	
1,1-Dichloroethane	ug/m3	41.2	36.7	89	52-129	
1,1-Dichloroethene	ug/m3	40.3	33.8	84	50-130	
1,2,4-Trichlorobenzene	ug/m3	75.5	66.0	87	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	56.8	114	53-144	
1,2-Dibromoethane (EDB)	ug/m3	78.1	72.6	93	57-137	
1,2-Dichlorobenzene	ug/m3	61.2	64.6	106	65-140	
1,2-Dichloroethane	ug/m3	41.2	36.8	89	54-125	
1,2-Dichloropropane	ug/m3	47	42.9	91	60-125	
1,3,5-Trimethylbenzene	ug/m3	50	54.8	110	54-139	
1,3-Butadiene	ug/m3	22.5	18.3	81	54-125	
1,3-Dichlorobenzene	ug/m3	61.2	73.7	120	62-140	
1,4-Dichlorobenzene	ug/m3	61.2	67.8	111	61-139	
2-Butanone (MEK)	ug/m3	30	29.1	97	47-138	
2-Hexanone	ug/m3	41.7	40.8	98	40-143	
2-Propanol	ug/m3	23.8	20.3	85	45-149	
4-Ethyltoluene	ug/m3	50	54.7	109	57-139	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	43.4	104	54-132	
Acetone	ug/m3	24.2	23.9	99	44-147	
Benzene	ug/m3	32.5	28.7	88	60-125	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

LABORATORY CONTROL SAMPLE: 792999

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzyl chloride	ug/m3	52.5	64.2	122	70-130	
Bromodichloromethane	ug/m3	68.2	60.2	88	53-130	
Bromoform	ug/m3	105	111	106	55-125	
Bromomethane	ug/m3	39.5	31.4	79	53-132	
Carbon disulfide	ug/m3	31.7	26.2	83	57-150	
Carbon tetrachloride	ug/m3	64	62.5	98	53-125	
Chlorobenzene	ug/m3	46.8	41.9	90	50-136	
Chloroethane	ug/m3	26.8	20.9	78	55-130	
Chloroform	ug/m3	49.7	42.1	85	56-125	
Chloromethane	ug/m3	21	17.2	82	49-127	
cis-1,2-Dichloroethene	ug/m3	40.3	33.8	84	58-127	
cis-1,3-Dichloropropene	ug/m3	46.2	48.0	104	62-135	
Cyclohexane	ug/m3	35	38.2	109	56-135	
Dibromochloromethane	ug/m3	86.6	80.8	93	48-132	
Dichlorodifluoromethane	ug/m3	50.3	40.7	81	54-130	
Dichlorotetrafluoroethane	ug/m3	71.1	59.8	84	50-125	
Ethanol	ug/m3	19.2	18.4	96	30-150	
Ethyl acetate	ug/m3	36.6	34.5	94	70-141	
Ethylbenzene	ug/m3	44.2	43.2	98	57-135	
Hexachloro-1,3-butadiene	ug/m3	108	79.4	73	30-150	
m&p-Xylene	ug/m3	88.3	90.9	103	61-135	
Methyl-tert-butyl ether	ug/m3	36.7	31.0	85	56-130	
Methylene Chloride	ug/m3	35.3	32.2	91	49-127	
n-Heptane	ug/m3	41.7	39.2	94	57-133	
n-Hexane	ug/m3	35.8	34.0	95	55-135	
Naphthalene	ug/m3	53.3	53.2	100	30-150	
o-Xylene	ug/m3	44.2	43.8	99	60-134	
Propylene	ug/m3	17.5	12.6	72	63-147	
Styrene	ug/m3	43.3	49.0	113	58-142	
Tetrachloroethene	ug/m3	69	63.5	92	61-132	
Tetrahydrofuran	ug/m3	30	24.8	83	67-134	
Toluene	ug/m3	38.3	35.6	93	56-132	
trans-1,2-Dichloroethene	ug/m3	40.3	33.1	82	52-131	
trans-1,3-Dichloropropene	ug/m3	46.2	45.0	97	62-131	
Trichloroethene	ug/m3	54.6	48.5	89	68-150	
Trichlorofluoromethane	ug/m3	57.1	47.2	83	52-142	
Vinyl acetate	ug/m3	35.8	31.6	88	53-136	
Vinyl chloride	ug/m3	26	20.9	80	57-132	

SAMPLE DUPLICATE: 794164

Parameter	Units	6078159006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1-Trichloroethane	ug/m3		ND	0	25	
1,1,2,2-Tetrachloroethane	ug/m3		ND	0	25	
1,1,2-Trichloroethane	ug/m3		ND	0	25	
1,1,2-Trichlorotrifluoroethane	ug/m3		65.8	4	25	
1,1-Dichloroethane	ug/m3		ND	0	25	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

SAMPLE DUPLICATE: 794164

Parameter	Units	6078159006 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1-Dichloroethene	ug/m3		ND	0	25	
1,2,4-Trichlorobenzene	ug/m3		ND	0	25	
1,2,4-Trimethylbenzene	ug/m3		ND	2	25	
1,2-Dibromoethane (EDB)	ug/m3		ND	0	25	
1,2-Dichlorobenzene	ug/m3		ND	0	25	
1,2-Dichloroethane	ug/m3	ND	ND		25	
1,2-Dichloropropane	ug/m3		ND	0	25	
1,3,5-Trimethylbenzene	ug/m3		ND	0	25	
1,3-Butadiene	ug/m3		ND	0	25	
1,3-Dichlorobenzene	ug/m3		ND	0	25	
1,4-Dichlorobenzene	ug/m3		ND	0	25	
2-Butanone (MEK)	ug/m3		3.2	10	25	
2-Hexanone	ug/m3		ND	0	25	
2-Propanol	ug/m3		ND	0	25	
4-Ethyltoluene	ug/m3		ND	0	25	
4-Methyl-2-pentanone (MIBK)	ug/m3		ND	0	25	
Acetone	ug/m3		30.8	5	25	
Benzene	ug/m3		2.6	1	25	
Benzyl chloride	ug/m3		ND	0	25	
Bromodichloromethane	ug/m3		ND	0	25	
Bromoform	ug/m3		ND	0	25	
Bromomethane	ug/m3		ND	0	25	
Carbon disulfide	ug/m3		1.2	4	25	
Carbon tetrachloride	ug/m3	ND	ND		25	
Chlorobenzene	ug/m3		ND	0	25	
Chloroethane	ug/m3		ND	0	25	
Chloroform	ug/m3	ND	ND		25	
Chloromethane	ug/m3		ND	0	25	
cis-1,2-Dichloroethene	ug/m3		ND	0	25	
cis-1,3-Dichloropropene	ug/m3		ND	0	25	
Cyclohexane	ug/m3		2.4	41	25	D6
Dibromochloromethane	ug/m3		ND	0	25	
Dichlorodifluoromethane	ug/m3		.89J	10	25	
Dichlorotetrafluoroethane	ug/m3		ND	0	25	
Ethanol	ug/m3		6.9	1	25	
Ethyl acetate	ug/m3		ND	0	25	
Ethylbenzene	ug/m3		ND	5	25	
Hexachloro-1,3-butadiene	ug/m3		ND	0	25	
m&p-Xylene	ug/m3		ND	2	25	
Methyl-tert-butyl ether	ug/m3		ND	0	25	
Methylene Chloride	ug/m3		5.2	6	25	
n-Heptane	ug/m3		ND	0	25	
n-Hexane	ug/m3		3.5	9	25	
Naphthalene	ug/m3		ND	0	25	
o-Xylene	ug/m3		.72J	7	25	
Propylene	ug/m3		3.6	18	25	
Styrene	ug/m3		ND	0	25	
Tetrachloroethene	ug/m3		ND	0	25	

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

SAMPLE DUPLICATE: 794164

Parameter	Units	6078159006 Result	Dup Result	RPD	Max RPD	Qualifiers
Tetrahydrofuran	ug/m3		ND	0	25	
Toluene	ug/m3		3.2	2	25	
trans-1,2-Dichloroethene	ug/m3		ND	0	25	
trans-1,3-Dichloropropene	ug/m3		ND	0	25	
Trichloroethene	ug/m3		ND	0	25	
Trichlorofluoromethane	ug/m3		.95J	5	25	
Vinyl acetate	ug/m3		ND	0	25	
Vinyl chloride	ug/m3		ND	0	25	

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QUALIFIERS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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.

SAMPLE QUALIFIERS

Sample: 10128902001

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

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

D6 The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10128902

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10128902001	**DPE-EXHAUST-764**	TO-15	AIR/10251		

REPORT OF LABORATORY ANALYSIS

Data File: \\192.168.10.12\chem\10air7.i\052010.b\14023.D
Report Date: 21-May-2010 08:40

Pace Analytical Services

TENTATIVELY IDENTIFIED COMPOUNDS

Client Name:
Lab Smp Id: 10128902001
Operator : LCW
Sample Location:
Sample Matrix: AIR
Analysis Type: VOA
Inj Date: 20-MAY-2010 20:44

Client SDG: 052010.b

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

Number TICs found: 6

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	Unknown	4.172	5.44	J
2. 354-23-4	Ethane, 1,2-dichloro-1,1,2-	4.671	3.88	NJ
3. 141-79-7	3-Penten-2-one, 4-methyl-	9.974	5.36	NJ
4.	Unknown	10.167	9.47	J
5. 556-67-2	Cyclotetrasiloxane, octamet	13.879	5.98	NJ
6. 5989-27-5	D-Limonene	15.158	6.05	NJ

Data File: \\192.168.10.12\chem\10air7.i\052010.b\14023.D
Report Date: 21-May-2010 08:40

Pace Analytical Services

TO15 Analysis (UNIX)

Data file : \\192.168.10.12\chem\10air7.i\052010.b\14023.D
Lab Smp Id: 10128902001
Inj Date : 20-MAY-2010 20:44
Operator : LCW Inst ID: 10air7.i
Smp Info : Sample 3
Misc Info :
Comment : Volatile Organic COMPOUNDS in Air
Method : \\192.168.10.12\chem\10air7.i\052010.b\TO15_139-10.m
Meth Date : 20-May-2010 13:19 lweinkauf Quant Type: ISTD
Cal Date : 19-MAY-2010 18:51 Cal File: 13909.D
Als bottle: 23
Dil Factor: 1.93000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14
Processing Host: AIRGROUP

Concentration Formula: Amt * DF * Uf * CpndVariable

Name	Value	Description
DF	1.930	Dilution Factor
Uf	1.000	ng unit correction factor
Cpnd Variable		Local Compound Variable

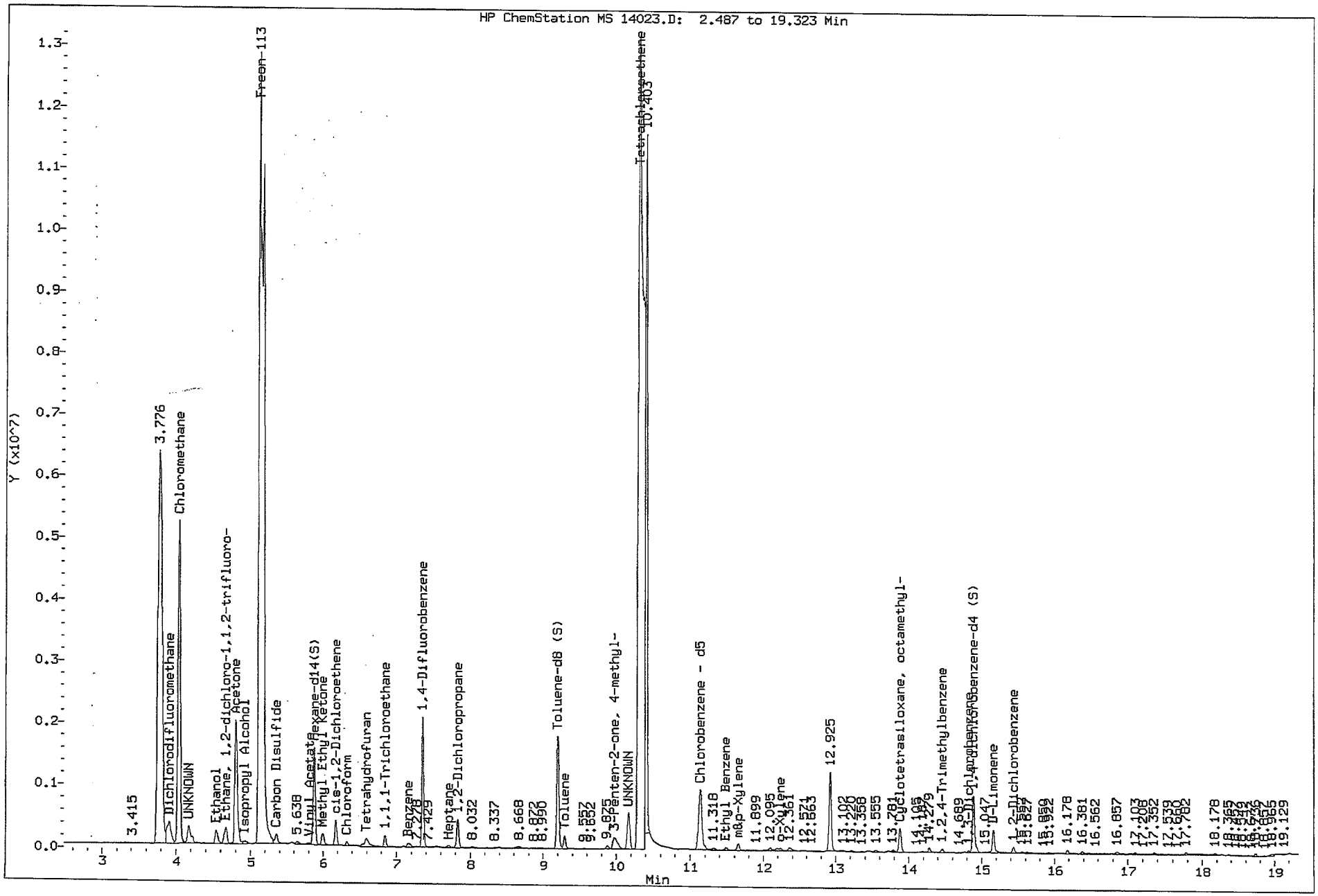
ISTD	RT	AREA	AMOUNT
* 36 1,4-Difluorobenzene	7.357	3808354	10.000
* 53 Chlorobenzene - d5	11.138	2980804	10.000

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
Unknown				CAS #:			
4.172	1074567	2.82160368	5.44	0		0	36
Ethane, 1,2-dichloro-1,1,2-trifluoro-				CAS #: 354-23-4			
4.671	764860	2.00837312	3.88	93	NBS75K.l	10049	36
3-Penten-2-one, 4-methyl-				CAS #: 141-79-7			
9.974	828220	2.77851048	5.36	91	NBS75K.l	63217	53
Unknown				CAS #:			
10.167	1462399	4.90605408	9.47	0		0	53
Cyclotetrasiloxane, octamethyl-				CAS #: 556-67-2			
13.879	923464	3.09803607	5.98	72	NBS75K.l	72646	53

Data File: \\192.168.10.12\chem\10air7.i\052010.b\14023.D
Report Date: 21-May-2010 08:40

		CONCENTRATIONS			QUANT		
RT	AREA	ON-COL(ppbv)	FINAL(ppbv)	QUAL	LIBRARY	LIB ENTRY	CPND #
D-Limonene				CAS #: 5989-27-5			
15.158	934277	3.13431197	6.05	94	NBS75K.1	65791	53

Data File: \\192.168.10.12\chem\10air7.i\052010.b\14023.D
Injection Date: 20-MAY-2010 20:44
Instrument: 10air7.i
Client Sample ID: 10128902001



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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.

10128902

Page: 1 of 1

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

REGULATORY AGENCY

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

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER____

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: TO-15	Pace Project Number / Lab I.D.
1	DPE-EXHAUST-764	A	C	5/12/10	13:30	5/12/10	19:30												X	001
2																				
3																				
4																				
5																				
6																				
7																				
8																				
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
				5/14/10	1225

SAMPLE CONDITIONS

	Temp In °C	Received on Ice	Custody Sealed Cooler	Samples Intact
AMB		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N
		Y/N	Y/N	Y/N

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Eric Gabrielson

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

Pace Analytical

AIR Sample Condition Upon Receipt

Client Name: Landmark Project # 10128952

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

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

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

Tracking #:_____ **Comments:**

Date and Initials of person examining contents: 3/4/10

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

Samples Received:

Canisters		Flow Controllers		Stand Alone G		Tedlar Bags	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
DPE	0764		Pa141				

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

Person Contacted:_____ Date/Time:_____

Comments/ Resolution:_____

Project Manager Review: _____ **Date:** 3/4/10

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

A106 Rev.01 (22May2009)

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(612)607-1700

May 19, 2010

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

RE: Project: CRC City of Rochester
Pace Project No.: 10128920

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated 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

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CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10128920

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10128920

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10128920001	DPE-1	Water	05/13/10 08:00	05/14/10 12:25
10128920002	DPE-2	Water	05/13/10 08:30	05/14/10 12:25
10128920003	DPE-3	Water	05/13/10 09:00	05/14/10 12:25
10128920004	DPE-4	Water	05/13/10 09:30	05/14/10 12:25
10128920005	DPE-5	Water	05/13/10 10:00	05/14/10 12:25
10128920006	DPE-6	Water	05/13/10 10:30	05/14/10 12:25
10128920007	DPE-7	Water	05/13/10 11:00	05/14/10 12:25
10128920008	DPE-8	Water	05/13/10 11:30	05/14/10 12:25
10128920009	trip blanks	Water	05/13/10 00:00	05/14/10 12:25

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10128920

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10128920001	DPE-1	EPA 8260	CNC	73
10128920002	DPE-2	EPA 8260	CNC	73
10128920003	DPE-3	EPA 8260	CNC	73
10128920004	DPE-4	EPA 8260	CNC	73
10128920005	DPE-5	EPA 8260	CNC	73
10128920006	DPE-6	EPA 8260	CNC	73
10128920007	DPE-7	EPA 8260	CNC	73
10128920008	DPE-8	EPA 8260	CNC	73
10128920009	trip blanks	EPA 8260	CNC	73

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-1 **Lab ID: 10128920001** Collected: 05/13/10 08:00 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/15/10 22:00	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/15/10 22:00	107-05-1	
Benzene	ND	ug/L	1.0	1		05/15/10 22:00	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/15/10 22:00	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/15/10 22:00	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/15/10 22:00	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/15/10 22:00	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/15/10 22:00	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/15/10 22:00	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/15/10 22:00	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/15/10 22:00	75-00-3	
Chloroform	**2.6**	ug/L	1.0	1		05/15/10 22:00	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/15/10 22:00	74-87-3	L2
2-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:00	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:00	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/15/10 22:00	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/15/10 22:00	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/15/10 22:00	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/15/10 22:00	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/15/10 22:00	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:00	75-35-4	
cis-1,2-Dichloroethene	**8.7**	ug/L	1.0	1		05/15/10 22:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:00	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:00	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/15/10 22:00	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/15/10 22:00	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/15/10 22:00	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/15/10 22:00	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:00	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:00	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/15/10 22:00	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/15/10 22:00	87-68-3	L2
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/15/10 22:00	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/15/10 22:00	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/15/10 22:00	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/15/10 22:00	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/15/10 22:00	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-1 **Lab ID: 10128920001** Collected: 05/13/10 08:00 Received: 05/14/10 12:25 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		05/15/10 22:00	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	103-65-1	
Styrene	ND	ug/L	1.0	1		05/15/10 22:00	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:00	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:00	79-34-5	
Tetrachloroethene	**1700**	ug/L	25.0	25		05/17/10 16:30	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/15/10 22:00	109-99-9	
Toluene	ND	ug/L	1.0	1		05/15/10 22:00	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:00	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/15/10 22:00	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/10 22:00	79-00-5	
Trichloroethene	**2.3**	ug/L	1.0	1		05/15/10 22:00	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:00	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/15/10 22:00	96-18-4	
1,1,2-Trichlorotrifluoroethane	**148**	ug/L	1.0	1		05/15/10 22:00	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:00	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/15/10 22:00	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/10 22:00	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/15/10 22:00	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/15/10 22:00	95-47-6	
Dibromofluoromethane (S)	106	%	75-125	1		05/15/10 22:00	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	75-125	1		05/15/10 22:00	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		05/15/10 22:00	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		05/15/10 22:00	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-2 **Lab ID: 10128920002** Collected: 05/13/10 08:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/15/10 22:21	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/15/10 22:21	107-05-1	
Benzene	ND	ug/L	1.0	1		05/15/10 22:21	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/15/10 22:21	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/15/10 22:21	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/15/10 22:21	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/15/10 22:21	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/15/10 22:21	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/15/10 22:21	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/15/10 22:21	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/15/10 22:21	75-00-3	
Chloroform	**3.7**	ug/L	1.0	1		05/15/10 22:21	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/15/10 22:21	74-87-3	L2
2-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:21	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:21	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/15/10 22:21	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/15/10 22:21	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/15/10 22:21	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/15/10 22:21	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/15/10 22:21	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:21	75-35-4	
cis-1,2-Dichloroethene	**25.8**	ug/L	1.0	1		05/15/10 22:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:21	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:21	75-43-4	
1,2-Dichloropropane	**1.3**	ug/L	1.0	1		05/15/10 22:21	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/15/10 22:21	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/15/10 22:21	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/15/10 22:21	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:21	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:21	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/15/10 22:21	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/15/10 22:21	87-68-3	L2
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/15/10 22:21	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/15/10 22:21	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/15/10 22:21	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/15/10 22:21	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/15/10 22:21	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-2 **Lab ID: 10128920002** Collected: 05/13/10 08:30 Received: 05/14/10 12:25 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		05/15/10 22:21	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	103-65-1	
Styrene	ND	ug/L	1.0	1		05/15/10 22:21	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:21	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:21	79-34-5	
Tetrachloroethene	**5800**	ug/L	50.0	50		05/17/10 16:51	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/15/10 22:21	109-99-9	
Toluene	ND	ug/L	1.0	1		05/15/10 22:21	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:21	120-82-1	
1,1,1-Trichloroethane	**2.9**	ug/L	1.0	1		05/15/10 22:21	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/10 22:21	79-00-5	
Trichloroethene	**7.5**	ug/L	1.0	1		05/15/10 22:21	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:21	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/15/10 22:21	96-18-4	
1,1,2-Trichlorotrifluoroethane	**673**	ug/L	50.0	50		05/17/10 16:51	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:21	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/15/10 22:21	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/10 22:21	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/15/10 22:21	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/15/10 22:21	95-47-6	
Dibromofluoromethane (S)	106	%	75-125	1		05/15/10 22:21	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		05/15/10 22:21	17060-07-0	
Toluene-d8 (S)	90	%	75-125	1		05/15/10 22:21	2037-26-5	
4-Bromofluorobenzene (S)	100	%	75-125	1		05/15/10 22:21	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-3 **Lab ID: 10128920003** Collected: 05/13/10 09:00 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/15/10 22:43	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/15/10 22:43	107-05-1	
Benzene	ND	ug/L	1.0	1		05/15/10 22:43	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/15/10 22:43	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/15/10 22:43	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/15/10 22:43	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/15/10 22:43	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/15/10 22:43	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/15/10 22:43	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/15/10 22:43	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/15/10 22:43	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/15/10 22:43	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/15/10 22:43	74-87-3	L2
2-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:43	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 22:43	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/15/10 22:43	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/15/10 22:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/15/10 22:43	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/15/10 22:43	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/15/10 22:43	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/10 22:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:43	75-35-4	
cis-1,2-Dichloroethene	**2.6**	ug/L	1.0	1		05/15/10 22:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 22:43	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:43	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/15/10 22:43	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/15/10 22:43	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/15/10 22:43	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/15/10 22:43	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 22:43	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/15/10 22:43	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/15/10 22:43	87-68-3	L2
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/15/10 22:43	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/15/10 22:43	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/15/10 22:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/15/10 22:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/15/10 22:43	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-3 **Lab ID: 10128920003** Collected: 05/13/10 09:00 Received: 05/14/10 12:25 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		05/15/10 22:43	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	103-65-1	
Styrene	ND	ug/L	1.0	1		05/15/10 22:43	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:43	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 22:43	79-34-5	
Tetrachloroethene	**2240**	ug/L	10.0	10		05/17/10 15:47	127-18-4	
Tetrahydrofuran	**10.9**	ug/L	10.0	1		05/15/10 22:43	109-99-9	
Toluene	ND	ug/L	1.0	1		05/15/10 22:43	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 22:43	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/15/10 22:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/10 22:43	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/10 22:43	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 22:43	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/15/10 22:43	96-18-4	
1,1,2-Trichlorotrifluoroethane	**49.5**	ug/L	1.0	1		05/15/10 22:43	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 22:43	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/15/10 22:43	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/10 22:43	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/15/10 22:43	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/15/10 22:43	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	1		05/15/10 22:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		05/15/10 22:43	17060-07-0	
Toluene-d8 (S)	92	%	75-125	1		05/15/10 22:43	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		05/15/10 22:43	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-4 **Lab ID: 10128920004** Collected: 05/13/10 09:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/15/10 23:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/15/10 23:04	107-05-1	
Benzene	ND	ug/L	1.0	1		05/15/10 23:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/15/10 23:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/15/10 23:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/15/10 23:04	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/15/10 23:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/15/10 23:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/15/10 23:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/15/10 23:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/15/10 23:04	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/15/10 23:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/15/10 23:04	74-87-3	L2
2-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 23:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 23:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/15/10 23:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/15/10 23:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/15/10 23:04	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/15/10 23:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/15/10 23:04	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/15/10 23:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/10 23:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/15/10 23:04	75-35-4	
cis-1,2-Dichloroethene	**1.1**	ug/L	1.0	1		05/15/10 23:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 23:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 23:04	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/15/10 23:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/15/10 23:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/15/10 23:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/15/10 23:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 23:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 23:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/15/10 23:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/15/10 23:04	87-68-3	L2
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/15/10 23:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/15/10 23:04	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/15/10 23:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/15/10 23:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/15/10 23:04	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-4 **Lab ID: 10128920004** Collected: 05/13/10 09:30 Received: 05/14/10 12:25 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		05/15/10 23:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	103-65-1	
Styrene	ND	ug/L	1.0	1		05/15/10 23:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 23:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 23:04	79-34-5	
Tetrachloroethene	**357**	ug/L	10.0	10		05/17/10 16:08	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/15/10 23:04	109-99-9	
Toluene	ND	ug/L	1.0	1		05/15/10 23:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 23:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/15/10 23:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/10 23:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/10 23:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 23:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/15/10 23:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	**48.1**	ug/L	1.0	1		05/15/10 23:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 23:04	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/15/10 23:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/10 23:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/15/10 23:04	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/15/10 23:04	95-47-6	
Dibromofluoromethane (S)	109	%	75-125	1		05/15/10 23:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	111	%	75-125	1		05/15/10 23:04	17060-07-0	
Toluene-d8 (S)	92	%	75-125	1		05/15/10 23:04	2037-26-5	
4-Bromofluorobenzene (S)	97	%	75-125	1		05/15/10 23:04	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-5 **Lab ID: 10128920005** Collected: 05/13/10 10:00 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 17:13	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 17:13	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 17:13	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 17:13	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 17:13	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 17:13	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 17:13	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 17:13	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 17:13	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 17:13	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 17:13	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/17/10 17:13	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 17:13	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:13	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:13	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 17:13	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 17:13	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 17:13	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 17:13	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 17:13	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:13	75-35-4	
cis-1,2-Dichloroethene	**1.8**	ug/L	1.0	1		05/17/10 17:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:13	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:13	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:13	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:13	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 17:13	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 17:13	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:13	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:13	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 17:13	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 17:13	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 17:13	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 17:13	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 17:13	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 17:13	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 17:13	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-5 **Lab ID: 10128920005** Collected: 05/13/10 10:00 Received: 05/14/10 12:25 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		05/17/10 17:13	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 17:13	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:13	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:13	79-34-5	
Tetrachloroethene	**205**	ug/L	1.0	1		05/17/10 17:13	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 17:13	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 17:13	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:13	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:13	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:13	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 17:13	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:13	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 17:13	96-18-4	
1,1,2-Trichlorotrifluoroethane	**16.9**	ug/L	1.0	1		05/17/10 17:13	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:13	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 17:13	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 17:13	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 17:13	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/17/10 17:13	95-47-6	
Dibromofluoromethane (S)	115	%	75-125	1		05/17/10 17:13	1868-53-7	
1,2-Dichloroethane-d4 (S)	115	%	75-125	1		05/17/10 17:13	17060-07-0	
Toluene-d8 (S)	91	%	75-125	1		05/17/10 17:13	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		05/17/10 17:13	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-6 **Lab ID: 10128920006** Collected: 05/13/10 10:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 17:34	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 17:34	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 17:34	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 17:34	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 17:34	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 17:34	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 17:34	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 17:34	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 17:34	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 17:34	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 17:34	75-00-3	
Chloroform	**1.1**	ug/L	1.0	1		05/17/10 17:34	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 17:34	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:34	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:34	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 17:34	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 17:34	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 17:34	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 17:34	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 17:34	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:34	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:34	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:34	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:34	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:34	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:34	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 17:34	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 17:34	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:34	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:34	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 17:34	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 17:34	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 17:34	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 17:34	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 17:34	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 17:34	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 17:34	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-6 **Lab ID: 10128920006** Collected: 05/13/10 10:30 Received: 05/14/10 12:25 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		05/17/10 17:34	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 17:34	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:34	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:34	79-34-5	
Tetrachloroethene	**14.6**	ug/L	1.0	1		05/17/10 17:34	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 17:34	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 17:34	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:34	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:34	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:34	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 17:34	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:34	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 17:34	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/17/10 17:34	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:34	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 17:34	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 17:34	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 17:34	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/17/10 17:34	95-47-6	
Dibromofluoromethane (S)	112	%	75-125	1		05/17/10 17:34	1868-53-7	
1,2-Dichloroethane-d4 (S)	116	%	75-125	1		05/17/10 17:34	17060-07-0	
Toluene-d8 (S)	89	%	75-125	1		05/17/10 17:34	2037-26-5	
4-Bromofluorobenzene (S)	93	%	75-125	1		05/17/10 17:34	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-7 **Lab ID: 10128920007** Collected: 05/13/10 11:00 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 17:55	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 17:55	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 17:55	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 17:55	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 17:55	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 17:55	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 17:55	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 17:55	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 17:55	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 17:55	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 17:55	75-00-3	
Chloroform	**1.3**	ug/L	1.0	1		05/17/10 17:55	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 17:55	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:55	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 17:55	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 17:55	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 17:55	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 17:55	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 17:55	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 17:55	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:55	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 17:55	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:55	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 17:55	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:55	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:55	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 17:55	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 17:55	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 17:55	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:55	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 17:55	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 17:55	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 17:55	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 17:55	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 17:55	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 17:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 17:55	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 17:55	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-7 **Lab ID: 10128920007** Collected: 05/13/10 11:00 Received: 05/14/10 12:25 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		05/17/10 17:55	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 17:55	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:55	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 17:55	79-34-5	
Tetrachloroethene	**25.7**	ug/L	1.0	1		05/17/10 17:55	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 17:55	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 17:55	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 17:55	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:55	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 17:55	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 17:55	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 17:55	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 17:55	96-18-4	
1,1,2-Trichlorotrifluoroethane	**4.0**	ug/L	1.0	1		05/17/10 17:55	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 17:55	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 17:55	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 17:55	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 17:55	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/17/10 17:55	95-47-6	
Dibromofluoromethane (S)	114	%	75-125	1		05/17/10 17:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	118	%	75-125	1		05/17/10 17:55	17060-07-0	
Toluene-d8 (S)	90	%	75-125	1		05/17/10 17:55	2037-26-5	
4-Bromofluorobenzene (S)	92	%	75-125	1		05/17/10 17:55	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-8 **Lab ID: 10128920008** Collected: 05/13/10 11:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 18:17	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 18:17	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 18:17	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 18:17	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 18:17	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 18:17	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 18:17	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 18:17	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 18:17	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 18:17	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 18:17	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/17/10 18:17	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 18:17	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 18:17	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 18:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 18:17	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 18:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 18:17	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 18:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 18:17	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 18:17	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 18:17	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 18:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 18:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 18:17	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 18:17	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 18:17	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 18:17	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 18:17	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 18:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 18:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 18:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 18:17	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 18:17	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 18:17	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 18:17	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 18:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 18:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 18:17	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: DPE-8 **Lab ID: 10128920008** Collected: 05/13/10 11:30 Received: 05/14/10 12:25 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		05/17/10 18:17	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 18:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 18:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 18:17	79-34-5	
Tetrachloroethene	**66.9**	ug/L	1.0	1		05/17/10 18:17	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 18:17	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 18:17	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 18:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 18:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 18:17	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 18:17	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 18:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 18:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	**2.2**	ug/L	1.0	1		05/17/10 18:17	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 18:17	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 18:17	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 18:17	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 18:17	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/17/10 18:17	95-47-6	
Dibromofluoromethane (S)	115	%	75-125	1		05/17/10 18:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	121	%	75-125	1		05/17/10 18:17	17060-07-0	
Toluene-d8 (S)	90	%	75-125	1		05/17/10 18:17	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		05/17/10 18:17	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: trip blanks **Lab ID: 10128920009** Collected: 05/13/10 00:00 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/15/10 19:09	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/15/10 19:09	107-05-1	
Benzene	ND	ug/L	1.0	1		05/15/10 19:09	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/15/10 19:09	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/15/10 19:09	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/15/10 19:09	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/15/10 19:09	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/15/10 19:09	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/15/10 19:09	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/15/10 19:09	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/15/10 19:09	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/15/10 19:09	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/15/10 19:09	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 19:09	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/15/10 19:09	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/15/10 19:09	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/15/10 19:09	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/15/10 19:09	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/15/10 19:09	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/15/10 19:09	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		05/15/10 19:09	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/15/10 19:09	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/15/10 19:09	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 19:09	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/15/10 19:09	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 19:09	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/15/10 19:09	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/15/10 19:09	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/15/10 19:09	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/15/10 19:09	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 19:09	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/15/10 19:09	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/15/10 19:09	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/15/10 19:09	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/15/10 19:09	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/15/10 19:09	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/15/10 19:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/15/10 19:09	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/15/10 19:09	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128920

Sample: trip blanks **Lab ID: 10128920009** Collected: 05/13/10 00:00 Received: 05/14/10 12:25 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		05/15/10 19:09	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	103-65-1	
Styrene	ND	ug/L	1.0	1		05/15/10 19:09	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 19:09	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/15/10 19:09	79-34-5	
Tetrachloroethene	ND	ug/L	1.0	1		05/15/10 19:09	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/15/10 19:09	109-99-9	
Toluene	ND	ug/L	1.0	1		05/15/10 19:09	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/15/10 19:09	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/15/10 19:09	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/15/10 19:09	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/15/10 19:09	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/15/10 19:09	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/15/10 19:09	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/15/10 19:09	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/15/10 19:09	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/15/10 19:09	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/15/10 19:09	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/15/10 19:09	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		05/15/10 19:09	95-47-6	
Dibromofluoromethane (S)	106	%	75-125	1		05/15/10 19:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	104	%	75-125	1		05/15/10 19:09	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		05/15/10 19:09	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		05/15/10 19:09	460-00-4	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

QC Batch: MSV/14539 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10128920001, 10128920002, 10128920003, 10128920004, 10128920009

METHOD BLANK: 791058 Matrix: Water
Associated Lab Samples: 10128920001, 10128920002, 10128920003, 10128920004, 10128920009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1-Dichloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,1-Dichloroethene	ug/L	ND	1.0	05/15/10 18:04	
1,1-Dichloropropene	ug/L	ND	1.0	05/15/10 18:04	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/15/10 18:04	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/15/10 18:04	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/15/10 18:04	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/15/10 18:04	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
1,2-Dichloroethane	ug/L	ND	1.0	05/15/10 18:04	
1,2-Dichloropropane	ug/L	ND	1.0	05/15/10 18:04	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/15/10 18:04	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
1,3-Dichloropropane	ug/L	ND	1.0	05/15/10 18:04	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
2,2-Dichloropropane	ug/L	ND	4.0	05/15/10 18:04	
2-Butanone (MEK)	ug/L	ND	4.0	05/15/10 18:04	
2-Chlorotoluene	ug/L	ND	1.0	05/15/10 18:04	
4-Chlorotoluene	ug/L	ND	1.0	05/15/10 18:04	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/15/10 18:04	
Acetone	ug/L	ND	10.0	05/15/10 18:04	
Allyl chloride	ug/L	ND	4.0	05/15/10 18:04	
Benzene	ug/L	ND	1.0	05/15/10 18:04	
Bromobenzene	ug/L	ND	1.0	05/15/10 18:04	
Bromochloromethane	ug/L	ND	1.0	05/15/10 18:04	
Bromodichloromethane	ug/L	ND	1.0	05/15/10 18:04	
Bromoform	ug/L	ND	8.0	05/15/10 18:04	
Bromomethane	ug/L	ND	4.0	05/15/10 18:04	
Carbon tetrachloride	ug/L	ND	4.0	05/15/10 18:04	
Chlorobenzene	ug/L	ND	1.0	05/15/10 18:04	
Chloroethane	ug/L	ND	1.0	05/15/10 18:04	
Chloroform	ug/L	ND	1.0	05/15/10 18:04	
Chloromethane	ug/L	ND	4.0	05/15/10 18:04	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/15/10 18:04	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/15/10 18:04	
Dibromochloromethane	ug/L	ND	1.0	05/15/10 18:04	
Dibromomethane	ug/L	ND	4.0	05/15/10 18:04	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

METHOD BLANK: 791058 Matrix: Water

Associated Lab Samples: 10128920001, 10128920002, 10128920003, 10128920004, 10128920009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/15/10 18:04	
Dichlorofluoromethane	ug/L	ND	1.0	05/15/10 18:04	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/15/10 18:04	
Ethylbenzene	ug/L	ND	1.0	05/15/10 18:04	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/15/10 18:04	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/15/10 18:04	
m&p-Xylene	ug/L	ND	2.0	05/15/10 18:04	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/15/10 18:04	
Methylene Chloride	ug/L	ND	4.0	05/15/10 18:04	
n-Butylbenzene	ug/L	ND	1.0	05/15/10 18:04	
n-Propylbenzene	ug/L	ND	1.0	05/15/10 18:04	
Naphthalene	ug/L	ND	4.0	05/15/10 18:04	
o-Xylene	ug/L	ND	1.0	05/15/10 18:04	
p-Isopropyltoluene	ug/L	ND	1.0	05/15/10 18:04	
sec-Butylbenzene	ug/L	ND	1.0	05/15/10 18:04	
Styrene	ug/L	ND	1.0	05/15/10 18:04	
tert-Butylbenzene	ug/L	ND	1.0	05/15/10 18:04	
Tetrachloroethene	ug/L	ND	1.0	05/15/10 18:04	
Tetrahydrofuran	ug/L	ND	10.0	05/15/10 18:04	
Toluene	ug/L	ND	1.0	05/15/10 18:04	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/15/10 18:04	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/15/10 18:04	
Trichloroethene	ug/L	ND	1.0	05/15/10 18:04	
Trichlorofluoromethane	ug/L	ND	1.0	05/15/10 18:04	
Vinyl chloride	ug/L	ND	0.40	05/15/10 18:04	
Xylene (Total)	ug/L	ND	3.0	05/15/10 18:04	
1,2-Dichloroethane-d4 (S)	%	95	75-125	05/15/10 18:04	
4-Bromofluorobenzene (S)	%	99	75-125	05/15/10 18:04	
Dibromofluoromethane (S)	%	102	75-125	05/15/10 18:04	
Toluene-d8 (S)	%	97	75-125	05/15/10 18:04	

LABORATORY CONTROL SAMPLE: 791059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	45.7	91	75-125	
1,1,1-Trichloroethane	ug/L	50	45.1	90	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	48.8	98	75-125	
1,1,2-Trichloroethane	ug/L	50	46.2	92	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	35.7	71	70-138	
1,1-Dichloroethane	ug/L	50	44.9	90	75-125	
1,1-Dichloroethene	ug/L	50	41.6	83	69-129	
1,1-Dichloropropene	ug/L	50	43.8	88	75-126	
1,2,3-Trichlorobenzene	ug/L	50	41.4	83	75-125	
1,2,3-Trichloropropane	ug/L	50	46.7	93	72-126	
1,2,4-Trichlorobenzene	ug/L	50	40.3	81	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

LABORATORY CONTROL SAMPLE: 791059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	46.5	93	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	49.1	98	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	46.0	92	75-125	
1,2-Dichlorobenzene	ug/L	50	45.1	90	75-125	
1,2-Dichloroethane	ug/L	50	44.3	89	75-125	
1,2-Dichloropropane	ug/L	50	46.2	92	75-125	
1,3,5-Trimethylbenzene	ug/L	50	46.1	92	75-125	
1,3-Dichlorobenzene	ug/L	50	44.2	88	75-125	
1,3-Dichloropropane	ug/L	50	46.6	93	75-125	
1,4-Dichlorobenzene	ug/L	50	43.9	88	75-125	
2,2-Dichloropropane	ug/L	50	49.8	100	48-150	
2-Butanone (MEK)	ug/L	50	39.0	78	51-134	
2-Chlorotoluene	ug/L	50	45.7	91	75-125	
4-Chlorotoluene	ug/L	50	45.5	91	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.4	97	60-125	
Acetone	ug/L	125	110	88	38-125	
Allyl chloride	ug/L	50	47.1	94	64-137	
Benzene	ug/L	50	44.6	89	75-125	
Bromobenzene	ug/L	50	45.7	91	75-125	
Bromochloromethane	ug/L	50	46.0	92	75-125	
Bromodichloromethane	ug/L	50	45.0	90	75-125	
Bromoform	ug/L	100	97.9	98	68-125	
Bromomethane	ug/L	50	34.9	70	47-129	
Carbon tetrachloride	ug/L	50	44.1	88	59-133	
Chlorobenzene	ug/L	50	43.9	88	75-125	
Chloroethane	ug/L	50	42.8	86	73-132	
Chloroform	ug/L	50	44.3	89	75-125	
Chloromethane	ug/L	50	35.7	71	72-125	L0
cis-1,2-Dichloroethene	ug/L	50	45.6	91	75-125	
cis-1,3-Dichloropropene	ug/L	50	48.6	97	75-125	
Dibromochloromethane	ug/L	50	47.3	95	75-125	
Dibromomethane	ug/L	50	44.8	90	75-125	
Dichlorodifluoromethane	ug/L	50	31.0	62	69-134	L0
Dichlorofluoromethane	ug/L	50	43.9	88	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	45.2	90	71-125	
Ethylbenzene	ug/L	50	45.7	91	75-125	
Hexachloro-1,3-butadiene	ug/L	50	37.0	74	75-137	L0
Isopropylbenzene (Cumene)	ug/L	50	47.1	94	75-125	
m&p-Xylene	ug/L	100	91.0	91	75-125	
Methyl-tert-butyl ether	ug/L	50	46.7	93	75-125	
Methylene Chloride	ug/L	50	41.5	83	75-125	
n-Butylbenzene	ug/L	50	43.4	87	75-125	
n-Propylbenzene	ug/L	50	46.4	93	75-125	
Naphthalene	ug/L	50	42.0	84	72-125	
o-Xylene	ug/L	50	46.7	93	75-125	
p-Isopropyltoluene	ug/L	50	45.2	90	75-125	
sec-Butylbenzene	ug/L	50	44.9	90	75-125	
Styrene	ug/L	50	48.3	97	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

LABORATORY CONTROL SAMPLE: 791059

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	45.6	91	75-125	
Tetrachloroethene	ug/L	50	42.3	85	74-125	
Tetrahydrofuran	ug/L	500	494	99	65-125	
Toluene	ug/L	50	43.8	88	75-125	
trans-1,2-Dichloroethene	ug/L	50	43.0	86	74-125	
trans-1,3-Dichloropropene	ug/L	50	49.8	100	75-125	
Trichloroethene	ug/L	50	42.5	85	75-125	
Trichlorofluoromethane	ug/L	50	41.0	82	73-134	
Vinyl chloride	ug/L	50	40.5	81	75-126	
Xylene (Total)	ug/L	150	138	92	75-125	
1,2-Dichloroethane-d4 (S)	%			99	75-125	
4-Bromofluorobenzene (S)	%			98	75-125	
Dibromofluoromethane (S)	%			99	75-125	
Toluene-d8 (S)	%			100	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791064 791065

Parameter	Units	10128897003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	196	182	98	91	71-125	8	30	
1,1,1-Trichloroethane	ug/L	ND	200	200	200	185	100	92	75-125	8	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	226	206	113	103	75-126	10	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	226	210	113	105	75-125	8	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	200	200	229	214	114	107	70-150	7	30	
1,1-Dichloroethane	ug/L	ND	200	200	203	190	102	95	75-125	7	30	
1,1-Dichloroethene	ug/L	ND	200	200	204	193	102	97	64-142	6	30	
1,1-Dichloropropene	ug/L	ND	200	200	201	192	101	96	75-125	5	30	
1,2,3-Trichlorobenzene	ug/L	ND	200	200	212	173	106	87	75-125	20	30	
1,2,3-Trichloropropane	ug/L	ND	200	200	244	221	122	111	72-127	10	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	200	176	100	88	75-125	13	30	
1,2,4-Trimethylbenzene	ug/L	1310	200	200	1620	1550	155	121	75-125	4	30	M0
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	241	194	121	97	65-125	22	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	200	185	100	92	75-125	8	30	
1,2-Dichlorobenzene	ug/L	ND	200	200	201	187	101	93	75-125	7	30	
1,2-Dichloroethane	ug/L	ND	200	200	189	167	94	84	75-125	12	30	
1,2-Dichloropropane	ug/L	ND	200	200	200	188	100	94	75-125	7	30	
1,3,5-Trimethylbenzene	ug/L	526	200	200	791	764	132	119	75-127	3	30	M0
1,3-Dichlorobenzene	ug/L	ND	200	200	198	185	99	92	75-125	7	30	
1,3-Dichloropropane	ug/L	ND	200	200	203	187	102	94	75-125	8	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	197	184	99	92	75-125	7	30	
2,2-Dichloropropane	ug/L	ND	200	200	227	201	114	101	48-150	12	30	
2-Butanone (MEK)	ug/L	ND	200	200	259	231	130	116	51-134	11	30	
2-Chlorotoluene	ug/L	ND	200	200	393	377	196	189	75-125	4	30	M0
4-Chlorotoluene	ug/L	ND	200	200	204	191	102	96	68-127	6	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	200	200	236	202	118	101	60-135	16	30	
Acetone	ug/L	ND	500	500	633	585	127	117	30-125	8	30	M0
Allyl chloride	ug/L	ND	200	200	214	161	107	80	40-137	28	30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791064 791065

Parameter	Units	10128897003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	156	200	200	354	343	99	94	75-125	3	30	
Bromobenzene	ug/L	ND	200	200	200	191	100	96	75-125	4	30	
Bromochloromethane	ug/L	ND	200	200	204	193	102	97	75-125	6	30	
Bromodichloromethane	ug/L	ND	200	200	192	171	96	85	72-125	12	30	
Bromoform	ug/L	ND	400	400	391	334	98	83	51-125	16	30	
Bromomethane	ug/L	ND	200	200	165	154	82	77	47-130	7	30	
Carbon tetrachloride	ug/L	ND	200	200	201	181	100	91	61-133	10	30	
Chlorobenzene	ug/L	ND	200	200	195	184	98	92	75-125	6	30	
Chloroethane	ug/L	ND	200	200	200	201	100	100	75-132	0	30	
Chloroform	ug/L	ND	200	200	192	178	96	89	75-125	7	30	
Chloromethane	ug/L	ND	200	200	174	186	87	93	68-132	7	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	203	199	101	99	75-125	2	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	203	173	101	87	63-125	16	30	
Dibromochloromethane	ug/L	ND	200	200	199	176	99	88	62-125	12	30	
Dibromomethane	ug/L	ND	200	200	195	179	98	90	75-125	9	30	
Dichlorodifluoromethane	ug/L	ND	200	200	194	170	97	85	65-150	13	30	
Dichlorofluoromethane	ug/L	ND	200	200	201	186	100	93	68-127	7	30	
Diethyl ether (Ethyl ether)	ug/L	ND	200	200	199	186	100	93	71-125	7	30	
Ethylbenzene	ug/L	644	200	200	863	818	110	87	75-125	5	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	184	165	92	83	75-147	11	30	
Isopropylbenzene (Cumene)	ug/L	45.7	200	200	261	244	108	99	75-125	7	30	
m&p-Xylene	ug/L	3610	400	400	4070	3840	115	58	67-125	6	30	M0
Methyl-tert-butyl ether	ug/L	ND	200	200	200	183	100	91	75-125	9	30	
Methylene Chloride	ug/L	ND	200	200	187	176	94	88	75-125	6	30	
n-Butylbenzene	ug/L	ND	200	200	263	247	132	123	70-135	6	30	
n-Propylbenzene	ug/L	122	200	200	351	337	114	107	70-131	4	30	
Naphthalene	ug/L	161	200	200	399	353	119	96	66-127	12	30	
o-Xylene	ug/L	2060	200	200	2310	2180	125	63	72-125	6	30	M0
p-Isopropyltoluene	ug/L	ND	200	200	224	209	107	100	71-126	7	30	
sec-Butylbenzene	ug/L	ND	200	200	217	206	105	99	75-127	5	30	
Styrene	ug/L	ND	200	200	205	191	103	96	30-134	7	30	
tert-Butylbenzene	ug/L	ND	200	200	207	200	104	100	75-125	4	30	
Tetrachloroethene	ug/L	ND	200	200	195	185	98	92	74-125	6	30	
Tetrahydrofuran	ug/L	ND	2000	2000	3010	2870	150	143	65-125	5	30	M0
Toluene	ug/L	694	200	200	912	869	109	88	75-125	5	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	191	186	96	93	72-125	3	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	207	177	103	88	63-125	16	30	
Trichloroethene	ug/L	ND	200	200	190	181	95	90	58-127	5	30	
Trichlorofluoromethane	ug/L	ND	200	200	206	184	103	92	73-150	11	30	
Vinyl chloride	ug/L	ND	200	200	192	182	96	91	75-134	5	30	
Xylene (Total)	ug/L	5670	600	600	6380	6030	119	60	75-125	6	30	
1,2-Dichloroethane-d4 (S)	%						98	92	75-125			
4-Bromofluorobenzene (S)	%						103	106	75-125			
Dibromofluoromethane (S)	%						97	93	75-125			
Toluene-d8 (S)	%						103	101	75-125			

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

QC Batch: MSV/14547 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10128920005, 10128920006, 10128920007, 10128920008

METHOD BLANK: 791474 Matrix: Water
Associated Lab Samples: 10128920005, 10128920006, 10128920007, 10128920008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloropropene	ug/L	ND	1.0	05/17/10 13:17	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/17/10 13:17	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,3-Dichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
2,2-Dichloropropane	ug/L	ND	4.0	05/17/10 13:17	
2-Butanone (MEK)	ug/L	ND	4.0	05/17/10 13:17	
2-Chlorotoluene	ug/L	ND	1.0	05/17/10 13:17	
4-Chlorotoluene	ug/L	ND	1.0	05/17/10 13:17	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/17/10 13:17	
Acetone	ug/L	ND	10.0	05/17/10 13:17	
Allyl chloride	ug/L	ND	4.0	05/17/10 13:17	
Benzene	ug/L	ND	1.0	05/17/10 13:17	
Bromobenzene	ug/L	ND	1.0	05/17/10 13:17	
Bromochloromethane	ug/L	ND	1.0	05/17/10 13:17	
Bromodichloromethane	ug/L	ND	1.0	05/17/10 13:17	
Bromoform	ug/L	ND	8.0	05/17/10 13:17	
Bromomethane	ug/L	ND	4.0	05/17/10 13:17	
Carbon tetrachloride	ug/L	ND	4.0	05/17/10 13:17	
Chlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
Chloroethane	ug/L	ND	1.0	05/17/10 13:17	
Chloroform	ug/L	ND	1.0	05/17/10 13:17	
Chloromethane	ug/L	ND	4.0	05/17/10 13:17	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/17/10 13:17	
Dibromochloromethane	ug/L	ND	1.0	05/17/10 13:17	
Dibromomethane	ug/L	ND	4.0	05/17/10 13:17	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

METHOD BLANK: 791474 Matrix: Water

Associated Lab Samples: 10128920005, 10128920006, 10128920007, 10128920008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Dichlorofluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/17/10 13:17	
Ethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/17/10 13:17	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/17/10 13:17	
m&p-Xylene	ug/L	ND	2.0	05/17/10 13:17	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/17/10 13:17	
Methylene Chloride	ug/L	ND	4.0	05/17/10 13:17	
n-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
n-Propylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Naphthalene	ug/L	ND	4.0	05/17/10 13:17	
o-Xylene	ug/L	ND	1.0	05/17/10 13:17	
p-Isopropyltoluene	ug/L	ND	1.0	05/17/10 13:17	
sec-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Styrene	ug/L	ND	1.0	05/17/10 13:17	
tert-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Tetrachloroethene	ug/L	ND	1.0	05/17/10 13:17	
Tetrahydrofuran	ug/L	ND	10.0	05/17/10 13:17	
Toluene	ug/L	ND	1.0	05/17/10 13:17	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/17/10 13:17	
Trichloroethene	ug/L	ND	1.0	05/17/10 13:17	
Trichlorofluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Vinyl chloride	ug/L	ND	0.40	05/17/10 13:17	
Xylene (Total)	ug/L	ND	3.0	05/17/10 13:17	
1,2-Dichloroethane-d4 (S)	%	98	75-125	05/17/10 13:17	
4-Bromofluorobenzene (S)	%	98	75-125	05/17/10 13:17	
Dibromofluoromethane (S)	%	100	75-125	05/17/10 13:17	
Toluene-d8 (S)	%	94	75-125	05/17/10 13:17	

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.5	109	75-125	
1,1,1-Trichloroethane	ug/L	50	56.3	113	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	55.1	110	75-125	
1,1,2-Trichloroethane	ug/L	50	54.2	108	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.7	113	70-138	
1,1-Dichloroethane	ug/L	50	55.8	112	75-125	
1,1-Dichloroethene	ug/L	50	60.2	120	69-129	
1,1-Dichloropropene	ug/L	50	59.1	118	75-126	
1,2,3-Trichlorobenzene	ug/L	50	50.2	100	75-125	
1,2,3-Trichloropropane	ug/L	50	54.0	108	72-126	
1,2,4-Trichlorobenzene	ug/L	50	50.3	101	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	56.4	113	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	57.3	115	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	57.2	114	75-125	
1,2-Dichlorobenzene	ug/L	50	52.8	106	75-125	
1,2-Dichloroethane	ug/L	50	54.9	110	75-125	
1,2-Dichloropropane	ug/L	50	55.5	111	75-125	
1,3,5-Trimethylbenzene	ug/L	50	56.1	112	75-125	
1,3-Dichlorobenzene	ug/L	50	53.1	106	75-125	
1,3-Dichloropropane	ug/L	50	56.3	113	75-125	
1,4-Dichlorobenzene	ug/L	50	52.1	104	75-125	
2,2-Dichloropropane	ug/L	50	64.0	128	48-150	
2-Butanone (MEK)	ug/L	50	51.0	102	51-134	
2-Chlorotoluene	ug/L	50	54.4	109	75-125	
4-Chlorotoluene	ug/L	50	54.2	108	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.2	114	60-125	
Acetone	ug/L	125	144	115	38-125	
Allyl chloride	ug/L	50	63.6	127	64-137	
Benzene	ug/L	50	56.9	114	75-125	
Bromobenzene	ug/L	50	53.8	108	75-125	
Bromochloromethane	ug/L	50	57.0	114	75-125	
Bromodichloromethane	ug/L	50	53.7	107	75-125	
Bromoform	ug/L	100	116	116	68-125	
Bromomethane	ug/L	50	42.0	84	47-129	
Carbon tetrachloride	ug/L	50	56.5	113	59-133	
Chlorobenzene	ug/L	50	54.4	109	75-125	
Chloroethane	ug/L	50	47.1	94	73-132	
Chloroform	ug/L	50	52.7	105	75-125	
Chloromethane	ug/L	50	38.8	78	72-125	
cis-1,2-Dichloroethene	ug/L	50	57.9	116	75-125	
cis-1,3-Dichloropropene	ug/L	50	59.6	119	75-125	
Dibromochloromethane	ug/L	50	57.0	114	75-125	
Dibromomethane	ug/L	50	55.2	110	75-125	
Dichlorodifluoromethane	ug/L	50	31.9	64	69-134	L0
Dichlorofluoromethane	ug/L	50	55.7	111	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	59.8	120	71-125	
Ethylbenzene	ug/L	50	57.0	114	75-125	
Hexachloro-1,3-butadiene	ug/L	50	46.0	92	75-137	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	75-125	
m&p-Xylene	ug/L	100	115	115	75-125	
Methyl-tert-butyl ether	ug/L	50	57.6	115	75-125	
Methylene Chloride	ug/L	50	55.3	111	75-125	
n-Butylbenzene	ug/L	50	53.5	107	75-125	
n-Propylbenzene	ug/L	50	56.1	112	75-125	
Naphthalene	ug/L	50	50.3	101	72-125	
o-Xylene	ug/L	50	57.7	115	75-125	
p-Isopropyltoluene	ug/L	50	55.4	111	75-125	
sec-Butylbenzene	ug/L	50	54.1	108	75-125	
Styrene	ug/L	50	58.4	117	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	54.6	109	75-125	
Tetrachloroethene	ug/L	50	55.9	112	74-125	
Tetrahydrofuran	ug/L	500	602	120	65-125	
Toluene	ug/L	50	55.9	112	75-125	
trans-1,2-Dichloroethene	ug/L	50	59.4	119	74-125	
trans-1,3-Dichloropropene	ug/L	50	61.8	124	75-125	
Trichloroethene	ug/L	50	55.4	111	75-125	
Trichlorofluoromethane	ug/L	50	44.2	88	73-134	
Vinyl chloride	ug/L	50	42.6	85	75-126	
Xylene (Total)	ug/L	150	172	115	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Dibromofluoromethane (S)	%			98	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791476 791477

Parameter	Units	10128897002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	400	400	427	430	107	107	71-125	1	30	
1,1,1-Trichloroethane	ug/L	ND	400	400	446	437	111	109	75-125	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	400	400	452	484	113	121	75-126	7	30	
1,1,2-Trichloroethane	ug/L	ND	400	400	450	476	113	119	75-125	6	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	400	400	502	500	126	125	70-150	1	30	
1,1-Dichloroethane	ug/L	ND	400	400	451	452	113	113	75-125	0	30	
1,1-Dichloroethene	ug/L	ND	400	400	481	483	120	121	64-142	0	30	
1,1-Dichloropropene	ug/L	ND	400	400	474	468	118	117	75-125	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	400	400	443	437	111	109	75-125	1	30	
1,2,3-Trichloropropane	ug/L	ND	400	400	456	483	114	121	72-127	6	30	
1,2,4-Trichlorobenzene	ug/L	ND	400	400	432	436	108	109	75-125	1	30	
1,2,4-Trimethylbenzene	ug/L	1450	400	400	1960	1990	127	133	75-125	1	30	P6
1,2-Dibromo-3-chloropropane	ug/L	ND	400	400	476	500	119	125	65-125	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	400	400	440	473	110	118	75-125	7	30	
1,2-Dichlorobenzene	ug/L	ND	400	400	434	441	108	110	75-125	2	30	
1,2-Dichloroethane	ug/L	ND	400	400	423	433	106	108	75-125	2	30	
1,2-Dichloropropane	ug/L	ND	400	400	444	453	111	113	75-125	2	30	
1,3,5-Trimethylbenzene	ug/L	377	400	400	859	868	121	123	75-127	1	30	
1,3-Dichlorobenzene	ug/L	ND	400	400	432	436	108	109	75-125	1	30	
1,3-Dichloropropane	ug/L	ND	400	400	448	468	112	117	75-125	4	30	
1,4-Dichlorobenzene	ug/L	ND	400	400	429	437	107	109	75-125	2	30	
2,2-Dichloropropane	ug/L	ND	400	400	502	485	125	121	48-150	3	30	
2-Butanone (MEK)	ug/L	ND	400	400	407	441	102	110	51-134	8	30	
2-Chlorotoluene	ug/L	ND	400	400	611	614	153	154	75-125	1	30	M0
4-Chlorotoluene	ug/L	ND	400	400	449	450	112	112	68-127	0	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	400	400	445	493	111	123	60-135	10	30	
Acetone	ug/L	ND	1000	1000	908	974	91	97	30-125	7	30	
Allyl chloride	ug/L	ND	400	400	518	435	129	109	40-137	17	30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128920

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791476 791477

Parameter	Units	10128897002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	735	400	400	1210	1220	120	122	75-125	1	30	
Bromobenzene	ug/L	ND	400	400	432	446	108	112	75-125	3	30	
Bromochloromethane	ug/L	ND	400	400	454	466	114	116	75-125	2	30	
Bromodichloromethane	ug/L	ND	400	400	418	424	105	106	72-125	1	30	
Bromoform	ug/L	ND	800	800	840	842	105	105	51-125	0	30	
Bromomethane	ug/L	ND	400	400	337	318	84	80	47-130	6	30	
Carbon tetrachloride	ug/L	ND	400	400	440	428	110	107	61-133	3	30	
Chlorobenzene	ug/L	ND	400	400	438	447	109	112	75-125	2	30	
Chloroethane	ug/L	ND	400	400	407	394	102	98	75-132	3	30	
Chloroform	ug/L	ND	400	400	416	422	104	106	75-125	2	30	
Chloromethane	ug/L	ND	400	400	333	373	83	93	68-132	11	30	
cis-1,2-Dichloroethene	ug/L	ND	400	400	463	468	116	117	75-125	1	30	
cis-1,3-Dichloropropene	ug/L	ND	400	400	466	457	117	114	63-125	2	30	
Dibromochloromethane	ug/L	ND	400	400	428	445	107	111	62-125	4	30	
Dibromomethane	ug/L	ND	400	400	441	451	110	113	75-125	2	30	
Dichlorodifluoromethane	ug/L	ND	400	400	299	293	75	73	65-150	2	30	
Dichlorofluoromethane	ug/L	ND	400	400	442	438	110	109	68-127	1	30	
Diethyl ether (Ethyl ether)	ug/L	ND	400	400	474	499	118	125	71-125	5	30	
Ethylbenzene	ug/L	850	400	400	1340	1350	123	124	75-125	0	30	
Hexachloro-1,3-butadiene	ug/L	ND	400	400	406	389	101	97	75-147	4	30	
Isopropylbenzene (Cumene)	ug/L	41.5	400	400	501	506	115	116	75-125	1	30	
m&p-Xylene	ug/L	4280	800	800	5270	5310	123	129	67-125	1	30	P6
Methyl-tert-butyl ether	ug/L	ND	400	400	450	470	112	118	75-125	5	30	
Methylene Chloride	ug/L	ND	400	400	457	458	114	115	75-125	0	30	
n-Butylbenzene	ug/L	36.3	400	400	479	475	111	110	70-135	1	30	
n-Propylbenzene	ug/L	107	400	400	580	579	118	118	70-131	0	30	
Naphthalene	ug/L	251	400	400	697	747	112	124	66-127	7	30	
o-Xylene	ug/L	2020	400	400	2550	2590	132	143	72-125	2	30	P6
p-Isopropyltoluene	ug/L	27.0	400	400	480	480	113	113	71-126	0	30	
sec-Butylbenzene	ug/L	ND	400	400	452	452	113	113	75-127	0	30	
Styrene	ug/L	ND	400	400	457	469	114	117	30-134	3	30	
tert-Butylbenzene	ug/L	ND	400	400	450	447	112	112	75-125	0	30	
Tetrachloroethene	ug/L	ND	400	400	460	455	115	114	74-125	1	30	
Tetrahydrofuran	ug/L	ND	4000	4000	5360	5890	134	147	65-125	9	30	M0
Toluene	ug/L	1810	400	400	2320	2350	126	133	75-125	1	30	P6
trans-1,2-Dichloroethene	ug/L	ND	400	400	471	478	118	120	72-125	1	30	
trans-1,3-Dichloropropene	ug/L	ND	400	400	469	472	117	118	63-125	1	30	
Trichloroethene	ug/L	ND	400	400	439	446	110	112	58-127	2	30	
Trichlorofluoromethane	ug/L	ND	400	400	377	362	94	91	73-150	4	30	
Vinyl chloride	ug/L	ND	400	400	351	349	88	87	75-134	1	30	
Xylene (Total)	ug/L	6300	1200	1200	7810	7900	126	133	75-125	1	30	P6
1,2-Dichloroethane-d4 (S)	%						96	92	75-125			
4-Bromofluorobenzene (S)	%						101	104	75-125			
Dibromofluoromethane (S)	%						95	96	75-125			
Toluene-d8 (S)	%						100	102	75-125			

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10128920

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10128920

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10128920001	DPE-1	EPA 8260	MSV/14539		
10128920002	DPE-2	EPA 8260	MSV/14539		
10128920003	DPE-3	EPA 8260	MSV/14539		
10128920004	DPE-4	EPA 8260	MSV/14539		
10128920005	DPE-5	EPA 8260	MSV/14547		
10128920006	DPE-6	EPA 8260	MSV/14547		
10128920007	DPE-7	EPA 8260	MSV/14547		
10128920008	DPE-8	EPA 8260	MSV/14547		
10128920009	trip blanks	EPA 8260	MSV/14539		

1118

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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.

10129920

Page: 1 of 1

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

REGULATORY AGENCY

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

SITE LOCATION ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER_____

Section D Required Client Information

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

Valid Matrix Codes

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

ITEM #	SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	#OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Ana: EPA 8260	Pace Project Number Lab I.D.
1	DPE-1	W	G	5/13/10	8:00				3										X	001
2	DPE-2	W	G	5/13/10	8:30				3										X	002
3	DPE-3	W	G	5/13/10	9:00				3										X	003
4	DPE-4	W	G	5/13/10	9:30				3										X	004
5	DPE-5	W	G	5/13/10	10:00				3										X	005
6	DPE-6	W	G	5/13/10	10:30				3										X	006
7	DPE-7	W	G	5/13/10	11:00				3										X	007
8	DPE-8	W	G	5/13/10	11:30				3										X	008
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Mark Ls / Pace	5-14-10	1225

SAMPLE CONDITIONS

Temp in °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.4°	(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)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Landmark Project # 10128920

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

Tracking #: _____

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

Optional: Proj. Due Date: Proj. Name:

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

Thermometer Used 80344042 or 179425 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.4° Biological Tissue is Frozen: Yes No

Temp should be above freezing to 6°C

Comments:

Date and initials of person examining contents: 5-14-10 MJ

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☒No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14. 1 vial of headspace in Tyler 1, 2, 3, 4, 7, 8
Headspace in VOA Vials (>6mm):	☒Yes ☐No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16. TB shared with other projects.
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): 042610-4		

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: 5-14-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR.

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May 27, 2010

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

RE: Project: CRC City of Rochester
Pace Project No.: 10128925

Dear Mr. Skramstad:
Enclosed are the analytical results for sample(s) received by the laboratory on May 14, 2010. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Paul Kirchberg for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: CRC City of Rochester
Pace Project No.: 10128925

Minnesota Certification IDs
1700 Elm Street SE, Suite 200 Minneapolis, MN 55414
Alaska Certification #: UST-078
Washington Certification #: C754
Tennessee Certification #: 02818
Pennsylvania Certification #: 68-00563
Oregon Certification #: MN200001
North Dakota Certification #: R-036
North Carolina Certification #: 530
New York Certification #: 11647
New Jersey Certification #: MN-002
Montana Certification #: MT CERT0092
Minnesota Certification #: 027-053-137
Michigan DEQ Certification #: 9909
Maine Certification #: 2007029
Louisiana Certification #: LA080009
Louisiana Certification #: 03086
Kansas Certification #: E-10167
Iowa Certification #: 368
Illinois Certification #: 200011
Florida/NELAP Certification #: E87605
California Certification #: 01155CA
Arizona Certification #: AZ-0014
Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC City of Rochester
Pace Project No.: 10128925

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10128925001	MW-14	Water	05/12/10 16:10	05/14/10 12:25
10128925002	MW-15	Water	05/12/10 16:40	05/14/10 12:25
10128925003	MW-16	Water	05/12/10 19:15	05/14/10 12:25
10128925004	MW-17	Water	05/12/10 18:10	05/14/10 12:25
10128925005	MW-18	Water	05/12/10 17:25	05/14/10 12:25
10128925006	MW-19	Water	05/12/10 15:30	05/14/10 12:25
10128925007	MW-20	Water	05/12/10 18:40	05/14/10 12:25

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10128925

Lab ID	Sample ID	Method	Analysts	Analytes Reported
10128925001	**MW-14**	EPA 8260	CNC	73
10128925002	**MW-15**	EPA 8260	CNC	73
10128925003	**MW-16**	EPA 8260	CNC	73
10128925004	**MW-17**	EPA 8260	CNC	73
10128925005	**MW-18**	EPA 8260	CNC	73
10128925006	**MW-19**	EPA 8260	CNC	73
10128925007	**MW-20**	EPA 8260	DRE	73

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-14 **Lab ID: 10128925001** Collected: 05/12/10 16:10 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 19:42	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 19:42	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 19:42	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 19:42	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 19:42	74-97-5	
Bromodichloromethane	**1.1**	ug/L	1.0	1		05/17/10 19:42	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 19:42	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 19:42	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 19:42	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 19:42	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 19:42	75-00-3	
Chloroform	**4.1**	ug/L	1.0	1		05/17/10 19:42	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 19:42	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 19:42	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 19:42	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 19:42	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 19:42	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 19:42	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 19:42	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 19:42	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 19:42	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 19:42	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 19:42	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 19:42	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 19:42	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 19:42	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 19:42	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 19:42	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 19:42	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 19:42	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 19:42	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 19:42	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 19:42	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 19:42	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 19:42	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 19:42	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 19:42	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 19:42	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 19:42	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-14 **Lab ID: 10128925001** Collected: 05/12/10 16:10 Received: 05/14/10 12:25 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		05/17/10 19:42	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 19:42	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 19:42	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 19:42	79-34-5	
Tetrachloroethene	**3.1**	ug/L	1.0	1		05/17/10 19:42	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 19:42	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 19:42	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 19:42	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 19:42	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 19:42	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 19:42	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 19:42	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 19:42	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/17/10 19:42	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 19:42	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 19:42	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 19:42	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 19:42	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/17/10 19:42	95-47-6	
Dibromofluoromethane (S)	101	%	75-125	1		05/17/10 19:42	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	75-125	1		05/17/10 19:42	17060-07-0	
Toluene-d8 (S)	94	%	75-125	1		05/17/10 19:42	2037-26-5	
4-Bromofluorobenzene (S)	98	%	75-125	1		05/17/10 19:42	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-15 **Lab ID: 10128925002** Collected: 05/12/10 16:40 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 20:04	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 20:04	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 20:04	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 20:04	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 20:04	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 20:04	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 20:04	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 20:04	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 20:04	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 20:04	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 20:04	75-00-3	
Chloroform	**1.3**	ug/L	1.0	1		05/17/10 20:04	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 20:04	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:04	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:04	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 20:04	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 20:04	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 20:04	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 20:04	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 20:04	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:04	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:04	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:04	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:04	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:04	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:04	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:04	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:04	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 20:04	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 20:04	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:04	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:04	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 20:04	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 20:04	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 20:04	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 20:04	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 20:04	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 20:04	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 20:04	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-15 **Lab ID: 10128925002** Collected: 05/12/10 16:40 Received: 05/14/10 12:25 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		05/17/10 20:04	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 20:04	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:04	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:04	79-34-5	
Tetrachloroethene	**2.8**	ug/L	1.0	1		05/17/10 20:04	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 20:04	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 20:04	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:04	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:04	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:04	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 20:04	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:04	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 20:04	96-18-4	
1,1,2-Trichlorotrifluoroethane	**1.5**	ug/L	1.0	1		05/17/10 20:04	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:04	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 20:04	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 20:04	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 20:04	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/17/10 20:04	95-47-6	
Dibromofluoromethane (S)	110	%	75-125	1		05/17/10 20:04	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	75-125	1		05/17/10 20:04	17060-07-0	
Toluene-d8 (S)	93	%	75-125	1		05/17/10 20:04	2037-26-5	
4-Bromofluorobenzene (S)	95	%	75-125	1		05/17/10 20:04	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-16 **Lab ID: 10128925003** Collected: 05/12/10 19:15 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	100	10		05/18/10 17:41	67-64-1	
Allyl chloride	ND	ug/L	40.0	10		05/18/10 17:41	107-05-1	R1
Benzene	ND	ug/L	10.0	10		05/18/10 17:41	71-43-2	
Bromobenzene	ND	ug/L	10.0	10		05/18/10 17:41	108-86-1	
Bromochloromethane	ND	ug/L	10.0	10		05/18/10 17:41	74-97-5	
Bromodichloromethane	ND	ug/L	10.0	10		05/18/10 17:41	75-27-4	
Bromoform	ND	ug/L	80.0	10		05/18/10 17:41	75-25-2	
Bromomethane	ND	ug/L	40.0	10		05/18/10 17:41	74-83-9	
2-Butanone (MEK)	ND	ug/L	40.0	10		05/18/10 17:41	78-93-3	
n-Butylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	104-51-8	
sec-Butylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	135-98-8	
tert-Butylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	98-06-6	
Carbon tetrachloride	ND	ug/L	40.0	10		05/18/10 17:41	56-23-5	
Chlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	108-90-7	
Chloroethane	ND	ug/L	10.0	10		05/18/10 17:41	75-00-3	
Chloroform	ND	ug/L	10.0	10		05/18/10 17:41	67-66-3	
Chloromethane	ND	ug/L	40.0	10		05/18/10 17:41	74-87-3	
2-Chlorotoluene	ND	ug/L	10.0	10		05/18/10 17:41	95-49-8	
4-Chlorotoluene	ND	ug/L	10.0	10		05/18/10 17:41	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	40.0	10		05/18/10 17:41	96-12-8	
Dibromochloromethane	ND	ug/L	10.0	10		05/18/10 17:41	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	10.0	10		05/18/10 17:41	106-93-4	
Dibromomethane	ND	ug/L	40.0	10		05/18/10 17:41	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	106-46-7	
Dichlorodifluoromethane	ND	ug/L	10.0	10		05/18/10 17:41	75-71-8	
1,1-Dichloroethane	ND	ug/L	10.0	10		05/18/10 17:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	10.0	10		05/18/10 17:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	10.0	10		05/18/10 17:41	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	10.0	10		05/18/10 17:41	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	10.0	10		05/18/10 17:41	156-60-5	
Dichlorofluoromethane	ND	ug/L	10.0	10		05/18/10 17:41	75-43-4	
1,2-Dichloropropane	ND	ug/L	10.0	10		05/18/10 17:41	78-87-5	
1,3-Dichloropropane	ND	ug/L	10.0	10		05/18/10 17:41	142-28-9	
2,2-Dichloropropane	ND	ug/L	40.0	10		05/18/10 17:41	594-20-7	
1,1-Dichloropropene	ND	ug/L	10.0	10		05/18/10 17:41	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	40.0	10		05/18/10 17:41	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	40.0	10		05/18/10 17:41	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	40.0	10		05/18/10 17:41	60-29-7	M0
Ethylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	40.0	10		05/18/10 17:41	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	10.0	10		05/18/10 17:41	98-82-8	
p-Isopropyltoluene	ND	ug/L	10.0	10		05/18/10 17:41	99-87-6	
Methylene Chloride	ND	ug/L	40.0	10		05/18/10 17:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	40.0	10		05/18/10 17:41	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	10.0	10		05/18/10 17:41	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-16 **Lab ID: 10128925003** Collected: 05/12/10 19:15 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Naphthalene	ND	ug/L	40.0	10		05/18/10 17:41	91-20-3	
n-Propylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	103-65-1	
Styrene	ND	ug/L	10.0	10		05/18/10 17:41	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	10.0	10		05/18/10 17:41	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	10.0	10		05/18/10 17:41	79-34-5	
Tetrachloroethene	**815**	ug/L	10.0	10		05/18/10 17:41	127-18-4	P6
Tetrahydrofuran	ND	ug/L	100	10		05/18/10 17:41	109-99-9	M0
Toluene	ND	ug/L	10.0	10		05/18/10 17:41	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	10.0	10		05/18/10 17:41	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	10.0	10		05/18/10 17:41	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	10.0	10		05/18/10 17:41	79-00-5	
Trichloroethene	ND	ug/L	10.0	10		05/18/10 17:41	79-01-6	
Trichlorofluoromethane	ND	ug/L	10.0	10		05/18/10 17:41	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	10.0	10		05/18/10 17:41	96-18-4	
1,1,2-Trichlorotrifluoroethane	**39.3**	ug/L	10.0	10		05/18/10 17:41	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	10.0	10		05/18/10 17:41	108-67-8	
Vinyl chloride	ND	ug/L	4.0	10		05/18/10 17:41	75-01-4	
Xylene (Total)	ND	ug/L	30.0	10		05/18/10 17:41	1330-20-7	
m&p-Xylene	ND	ug/L	20.0	10		05/18/10 17:41	1330-20-7	
o-Xylene	ND	ug/L	10.0	10		05/18/10 17:41	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	10		05/18/10 17:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	75-125	10		05/18/10 17:41	17060-07-0	
Toluene-d8 (S)	93	%	75-125	10		05/18/10 17:41	2037-26-5	
4-Bromofluorobenzene (S)	99	%	75-125	10		05/18/10 17:41	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-17 **Lab ID: 10128925004** Collected: 05/12/10 18:10 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	50.0	5		05/17/10 21:29	67-64-1	
Allyl chloride	ND	ug/L	20.0	5		05/17/10 21:29	107-05-1	
Benzene	ND	ug/L	5.0	5		05/17/10 21:29	71-43-2	
Bromobenzene	ND	ug/L	5.0	5		05/17/10 21:29	108-86-1	
Bromochloromethane	ND	ug/L	5.0	5		05/17/10 21:29	74-97-5	
Bromodichloromethane	ND	ug/L	5.0	5		05/17/10 21:29	75-27-4	
Bromoform	ND	ug/L	40.0	5		05/17/10 21:29	75-25-2	
Bromomethane	ND	ug/L	20.0	5		05/17/10 21:29	74-83-9	
2-Butanone (MEK)	ND	ug/L	20.0	5		05/17/10 21:29	78-93-3	
n-Butylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	104-51-8	
sec-Butylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	135-98-8	
tert-Butylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	98-06-6	
Carbon tetrachloride	ND	ug/L	20.0	5		05/17/10 21:29	56-23-5	
Chlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	108-90-7	
Chloroethane	ND	ug/L	5.0	5		05/17/10 21:29	75-00-3	
Chloroform	ND	ug/L	5.0	5		05/17/10 21:29	67-66-3	
Chloromethane	ND	ug/L	20.0	5		05/17/10 21:29	74-87-3	
2-Chlorotoluene	ND	ug/L	5.0	5		05/17/10 21:29	95-49-8	
4-Chlorotoluene	ND	ug/L	5.0	5		05/17/10 21:29	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	20.0	5		05/17/10 21:29	96-12-8	
Dibromochloromethane	ND	ug/L	5.0	5		05/17/10 21:29	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	5.0	5		05/17/10 21:29	106-93-4	
Dibromomethane	ND	ug/L	20.0	5		05/17/10 21:29	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	106-46-7	
Dichlorodifluoromethane	ND	ug/L	5.0	5		05/17/10 21:29	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	5.0	5		05/17/10 21:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	5		05/17/10 21:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	5		05/17/10 21:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	5		05/17/10 21:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	5		05/17/10 21:29	156-60-5	
Dichlorofluoromethane	ND	ug/L	5.0	5		05/17/10 21:29	75-43-4	
1,2-Dichloropropane	ND	ug/L	5.0	5		05/17/10 21:29	78-87-5	
1,3-Dichloropropane	ND	ug/L	5.0	5		05/17/10 21:29	142-28-9	
2,2-Dichloropropane	ND	ug/L	20.0	5		05/17/10 21:29	594-20-7	
1,1-Dichloropropene	ND	ug/L	5.0	5		05/17/10 21:29	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	20.0	5		05/17/10 21:29	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	20.0	5		05/17/10 21:29	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	20.0	5		05/17/10 21:29	60-29-7	
Ethylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	20.0	5		05/17/10 21:29	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	5.0	5		05/17/10 21:29	98-82-8	
p-Isopropyltoluene	ND	ug/L	5.0	5		05/17/10 21:29	99-87-6	
Methylene Chloride	ND	ug/L	20.0	5		05/17/10 21:29	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	20.0	5		05/17/10 21:29	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	5.0	5		05/17/10 21:29	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-17 **Lab ID: 10128925004** Collected: 05/12/10 18:10 Received: 05/14/10 12:25 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		05/17/10 21:29	91-20-3	
n-Propylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	103-65-1	
Styrene	ND	ug/L	5.0	5		05/17/10 21:29	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	5.0	5		05/17/10 21:29	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	5.0	5		05/17/10 21:29	79-34-5	
Tetrachloroethene	**412**	ug/L	5.0	5		05/17/10 21:29	127-18-4	
Tetrahydrofuran	ND	ug/L	50.0	5		05/17/10 21:29	109-99-9	
Toluene	ND	ug/L	5.0	5		05/17/10 21:29	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	5.0	5		05/17/10 21:29	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	5.0	5		05/17/10 21:29	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	5.0	5		05/17/10 21:29	79-00-5	
Trichloroethene	ND	ug/L	5.0	5		05/17/10 21:29	79-01-6	
Trichlorofluoromethane	ND	ug/L	5.0	5		05/17/10 21:29	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	5.0	5		05/17/10 21:29	96-18-4	
1,1,2-Trichlorotrifluoroethane	**46.8**	ug/L	5.0	5		05/17/10 21:29	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	5.0	5		05/17/10 21:29	108-67-8	
Vinyl chloride	ND	ug/L	2.0	5		05/17/10 21:29	75-01-4	
Xylene (Total)	ND	ug/L	15.0	5		05/17/10 21:29	1330-20-7	
m&p-Xylene	ND	ug/L	10.0	5		05/17/10 21:29	1330-20-7	
o-Xylene	ND	ug/L	5.0	5		05/17/10 21:29	95-47-6	
Dibromofluoromethane (S)	115	%	75-125	5		05/17/10 21:29	1868-53-7	
1,2-Dichloroethane-d4 (S)	113	%	75-125	5		05/17/10 21:29	17060-07-0	
Toluene-d8 (S)	90	%	75-125	5		05/17/10 21:29	2037-26-5	
4-Bromofluorobenzene (S)	93	%	75-125	5		05/17/10 21:29	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-18 **Lab ID: 10128925005** Collected: 05/12/10 17:25 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 20:25	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 20:25	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 20:25	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 20:25	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 20:25	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 20:25	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 20:25	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 20:25	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 20:25	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 20:25	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 20:25	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/17/10 20:25	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 20:25	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:25	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:25	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 20:25	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 20:25	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 20:25	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 20:25	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 20:25	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:25	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:25	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:25	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:25	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:25	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:25	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:25	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:25	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 20:25	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 20:25	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:25	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:25	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 20:25	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 20:25	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 20:25	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 20:25	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 20:25	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 20:25	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 20:25	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-18 **Lab ID: 10128925005** Collected: 05/12/10 17:25 Received: 05/14/10 12:25 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		05/17/10 20:25	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 20:25	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:25	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:25	79-34-5	
Tetrachloroethene	**26.0**	ug/L	1.0	1		05/17/10 20:25	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 20:25	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 20:25	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:25	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:25	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:25	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 20:25	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:25	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 20:25	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/17/10 20:25	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:25	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 20:25	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 20:25	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 20:25	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/17/10 20:25	95-47-6	
Dibromofluoromethane (S)	107	%	75-125	1		05/17/10 20:25	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	75-125	1		05/17/10 20:25	17060-07-0	
Toluene-d8 (S)	88	%	75-125	1		05/17/10 20:25	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		05/17/10 20:25	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-19 **Lab ID: 10128925006** Collected: 05/12/10 15:30 Received: 05/14/10 12:25 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 VOC	Analytical Method: EPA 8260							
Acetone	ND	ug/L	10.0	1		05/17/10 20:47	67-64-1	
Allyl chloride	ND	ug/L	4.0	1		05/17/10 20:47	107-05-1	
Benzene	ND	ug/L	1.0	1		05/17/10 20:47	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		05/17/10 20:47	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		05/17/10 20:47	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		05/17/10 20:47	75-27-4	
Bromoform	ND	ug/L	8.0	1		05/17/10 20:47	75-25-2	
Bromomethane	ND	ug/L	4.0	1		05/17/10 20:47	74-83-9	
2-Butanone (MEK)	ND	ug/L	4.0	1		05/17/10 20:47	78-93-3	
n-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	104-51-8	
sec-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	135-98-8	
tert-Butylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	98-06-6	
Carbon tetrachloride	ND	ug/L	4.0	1		05/17/10 20:47	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	108-90-7	
Chloroethane	ND	ug/L	1.0	1		05/17/10 20:47	75-00-3	
Chloroform	ND	ug/L	1.0	1		05/17/10 20:47	67-66-3	
Chloromethane	ND	ug/L	4.0	1		05/17/10 20:47	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:47	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		05/17/10 20:47	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	4.0	1		05/17/10 20:47	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		05/17/10 20:47	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		05/17/10 20:47	106-93-4	
Dibromomethane	ND	ug/L	4.0	1		05/17/10 20:47	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		05/17/10 20:47	75-71-8	L2
1,1-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:47	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		05/17/10 20:47	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:47	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:47	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		05/17/10 20:47	156-60-5	
Dichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:47	75-43-4	
1,2-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:47	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		05/17/10 20:47	142-28-9	
2,2-Dichloropropane	ND	ug/L	4.0	1		05/17/10 20:47	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		05/17/10 20:47	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:47	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	4.0	1		05/17/10 20:47	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	4.0	1		05/17/10 20:47	60-29-7	
Ethylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	4.0	1		05/17/10 20:47	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	1.0	1		05/17/10 20:47	98-82-8	
p-Isopropyltoluene	ND	ug/L	1.0	1		05/17/10 20:47	99-87-6	
Methylene Chloride	ND	ug/L	4.0	1		05/17/10 20:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	4.0	1		05/17/10 20:47	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		05/17/10 20:47	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-19 **Lab ID: 10128925006** Collected: 05/12/10 15:30 Received: 05/14/10 12:25 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		05/17/10 20:47	91-20-3	
n-Propylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	103-65-1	
Styrene	ND	ug/L	1.0	1		05/17/10 20:47	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:47	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		05/17/10 20:47	79-34-5	
Tetrachloroethene	**7.2**	ug/L	1.0	1		05/17/10 20:47	127-18-4	
Tetrahydrofuran	ND	ug/L	10.0	1		05/17/10 20:47	109-99-9	
Toluene	ND	ug/L	1.0	1		05/17/10 20:47	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		05/17/10 20:47	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		05/17/10 20:47	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		05/17/10 20:47	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		05/17/10 20:47	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		05/17/10 20:47	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/L	1.0	1		05/17/10 20:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	1.0	1		05/17/10 20:47	108-67-8	
Vinyl chloride	ND	ug/L	0.40	1		05/17/10 20:47	75-01-4	
Xylene (Total)	ND	ug/L	3.0	1		05/17/10 20:47	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		05/17/10 20:47	1330-20-7	
o-Xylene	ND	ug/L	1.0	1		05/17/10 20:47	95-47-6	
Dibromofluoromethane (S)	110	%	75-125	1		05/17/10 20:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	114	%	75-125	1		05/17/10 20:47	17060-07-0	
Toluene-d8 (S)	92	%	75-125	1		05/17/10 20:47	2037-26-5	
4-Bromofluorobenzene (S)	94	%	75-125	1		05/17/10 20:47	460-00-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-20 **Lab ID: 10128925007** Collected: 05/12/10 18:40 Received: 05/14/10 12:25 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	2		05/18/10 21:48	67-64-1	
Allyl chloride	ND	ug/L	8.0	2		05/18/10 21:48	107-05-1	
Benzene	ND	ug/L	2.0	2		05/18/10 21:48	71-43-2	
Bromobenzene	ND	ug/L	2.0	2		05/18/10 21:48	108-86-1	
Bromochloromethane	ND	ug/L	2.0	2		05/18/10 21:48	74-97-5	
Bromodichloromethane	ND	ug/L	2.0	2		05/18/10 21:48	75-27-4	
Bromoform	ND	ug/L	16.0	2		05/18/10 21:48	75-25-2	
Bromomethane	ND	ug/L	8.0	2		05/18/10 21:48	74-83-9	
2-Butanone (MEK)	ND	ug/L	8.0	2		05/18/10 21:48	78-93-3	
n-Butylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	104-51-8	
sec-Butylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	135-98-8	
tert-Butylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	98-06-6	
Carbon tetrachloride	ND	ug/L	8.0	2		05/18/10 21:48	56-23-5	
Chlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	108-90-7	
Chloroethane	ND	ug/L	2.0	2		05/18/10 21:48	75-00-3	
Chloroform	ND	ug/L	2.0	2		05/18/10 21:48	67-66-3	
Chloromethane	ND	ug/L	8.0	2		05/18/10 21:48	74-87-3	
2-Chlorotoluene	ND	ug/L	2.0	2		05/18/10 21:48	95-49-8	
4-Chlorotoluene	ND	ug/L	2.0	2		05/18/10 21:48	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	8.0	2		05/18/10 21:48	96-12-8	
Dibromochloromethane	ND	ug/L	2.0	2		05/18/10 21:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	2.0	2		05/18/10 21:48	106-93-4	
Dibromomethane	ND	ug/L	8.0	2		05/18/10 21:48	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	106-46-7	
Dichlorodifluoromethane	ND	ug/L	2.0	2		05/18/10 21:48	75-71-8	
1,1-Dichloroethane	ND	ug/L	2.0	2		05/18/10 21:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	2.0	2		05/18/10 21:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	2.0	2		05/18/10 21:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	2.0	2		05/18/10 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	2.0	2		05/18/10 21:48	156-60-5	
Dichlorofluoromethane	ND	ug/L	2.0	2		05/18/10 21:48	75-43-4	
1,2-Dichloropropane	ND	ug/L	2.0	2		05/18/10 21:48	78-87-5	
1,3-Dichloropropane	ND	ug/L	2.0	2		05/18/10 21:48	142-28-9	
2,2-Dichloropropane	ND	ug/L	8.0	2		05/18/10 21:48	594-20-7	
1,1-Dichloropropene	ND	ug/L	2.0	2		05/18/10 21:48	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	8.0	2		05/18/10 21:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	8.0	2		05/18/10 21:48	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/L	8.0	2		05/18/10 21:48	60-29-7	
Ethylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	8.0	2		05/18/10 21:48	87-68-3	
Isopropylbenzene (Cumene)	ND	ug/L	2.0	2		05/18/10 21:48	98-82-8	
p-Isopropyltoluene	ND	ug/L	2.0	2		05/18/10 21:48	99-87-6	
Methylene Chloride	ND	ug/L	8.0	2		05/18/10 21:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	8.0	2		05/18/10 21:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	2.0	2		05/18/10 21:48	1634-04-4	

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10128925

Sample: MW-20 **Lab ID: 10128925007** Collected: 05/12/10 18:40 Received: 05/14/10 12:25 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		05/18/10 21:48	91-20-3	
n-Propylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	103-65-1	
Styrene	ND	ug/L	2.0	2		05/18/10 21:48	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	2.0	2		05/18/10 21:48	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	2.0	2		05/18/10 21:48	79-34-5	
Tetrachloroethene	**194**	ug/L	2.0	2		05/18/10 21:48	127-18-4	
Tetrahydrofuran	ND	ug/L	20.0	2		05/18/10 21:48	109-99-9	
Toluene	ND	ug/L	2.0	2		05/18/10 21:48	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	2.0	2		05/18/10 21:48	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	2.0	2		05/18/10 21:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	2.0	2		05/18/10 21:48	79-00-5	
Trichloroethene	**2.9**	ug/L	2.0	2		05/18/10 21:48	79-01-6	
Trichlorofluoromethane	ND	ug/L	2.0	2		05/18/10 21:48	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	2.0	2		05/18/10 21:48	96-18-4	
1,1,2-Trichlorotrifluoroethane	**11.2**	ug/L	2.0	2		05/18/10 21:48	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/L	2.0	2		05/18/10 21:48	108-67-8	
Vinyl chloride	ND	ug/L	0.80	2		05/18/10 21:48	75-01-4	
Xylene (Total)	ND	ug/L	6.0	2		05/18/10 21:48	1330-20-7	
m&p-Xylene	ND	ug/L	4.0	2		05/18/10 21:48	1330-20-7	
o-Xylene	ND	ug/L	2.0	2		05/18/10 21:48	95-47-6	
Dibromofluoromethane (S)	113	%	75-125	2		05/18/10 21:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	112	%	75-125	2		05/18/10 21:48	17060-07-0	
Toluene-d8 (S)	91	%	75-125	2		05/18/10 21:48	2037-26-5	
4-Bromofluorobenzene (S)	91	%	75-125	2		05/18/10 21:48	460-00-4	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

QC Batch: MSV/14547 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10128925001, 10128925002, 10128925004, 10128925005, 10128925006

METHOD BLANK: 791474 Matrix: Water
Associated Lab Samples: 10128925001, 10128925002, 10128925004, 10128925005, 10128925006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
1,1-Dichloropropene	ug/L	ND	1.0	05/17/10 13:17	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/17/10 13:17	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichloroethane	ug/L	ND	1.0	05/17/10 13:17	
1,2-Dichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
1,3-Dichloropropane	ug/L	ND	1.0	05/17/10 13:17	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
2,2-Dichloropropane	ug/L	ND	4.0	05/17/10 13:17	
2-Butanone (MEK)	ug/L	ND	4.0	05/17/10 13:17	
2-Chlorotoluene	ug/L	ND	1.0	05/17/10 13:17	
4-Chlorotoluene	ug/L	ND	1.0	05/17/10 13:17	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/17/10 13:17	
Acetone	ug/L	ND	10.0	05/17/10 13:17	
Allyl chloride	ug/L	ND	4.0	05/17/10 13:17	
Benzene	ug/L	ND	1.0	05/17/10 13:17	
Bromobenzene	ug/L	ND	1.0	05/17/10 13:17	
Bromochloromethane	ug/L	ND	1.0	05/17/10 13:17	
Bromodichloromethane	ug/L	ND	1.0	05/17/10 13:17	
Bromoform	ug/L	ND	8.0	05/17/10 13:17	
Bromomethane	ug/L	ND	4.0	05/17/10 13:17	
Carbon tetrachloride	ug/L	ND	4.0	05/17/10 13:17	
Chlorobenzene	ug/L	ND	1.0	05/17/10 13:17	
Chloroethane	ug/L	ND	1.0	05/17/10 13:17	
Chloroform	ug/L	ND	1.0	05/17/10 13:17	
Chloromethane	ug/L	ND	4.0	05/17/10 13:17	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/17/10 13:17	
Dibromochloromethane	ug/L	ND	1.0	05/17/10 13:17	
Dibromomethane	ug/L	ND	4.0	05/17/10 13:17	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

METHOD BLANK: 791474 Matrix: Water

Associated Lab Samples: 10128925001, 10128925002, 10128925004, 10128925005, 10128925006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Dichlorofluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/17/10 13:17	
Ethylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/17/10 13:17	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/17/10 13:17	
m&p-Xylene	ug/L	ND	2.0	05/17/10 13:17	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/17/10 13:17	
Methylene Chloride	ug/L	ND	4.0	05/17/10 13:17	
n-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
n-Propylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Naphthalene	ug/L	ND	4.0	05/17/10 13:17	
o-Xylene	ug/L	ND	1.0	05/17/10 13:17	
p-Isopropyltoluene	ug/L	ND	1.0	05/17/10 13:17	
sec-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Styrene	ug/L	ND	1.0	05/17/10 13:17	
tert-Butylbenzene	ug/L	ND	1.0	05/17/10 13:17	
Tetrachloroethene	ug/L	ND	1.0	05/17/10 13:17	
Tetrahydrofuran	ug/L	ND	10.0	05/17/10 13:17	
Toluene	ug/L	ND	1.0	05/17/10 13:17	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/17/10 13:17	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/17/10 13:17	
Trichloroethene	ug/L	ND	1.0	05/17/10 13:17	
Trichlorofluoromethane	ug/L	ND	1.0	05/17/10 13:17	
Vinyl chloride	ug/L	ND	0.40	05/17/10 13:17	
Xylene (Total)	ug/L	ND	3.0	05/17/10 13:17	
1,2-Dichloroethane-d4 (S)	%	98	75-125	05/17/10 13:17	
4-Bromofluorobenzene (S)	%	98	75-125	05/17/10 13:17	
Dibromofluoromethane (S)	%	100	75-125	05/17/10 13:17	
Toluene-d8 (S)	%	94	75-125	05/17/10 13:17	

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	54.5	109	75-125	
1,1,1-Trichloroethane	ug/L	50	56.3	113	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	55.1	110	75-125	
1,1,2-Trichloroethane	ug/L	50	54.2	108	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.7	113	70-138	
1,1-Dichloroethane	ug/L	50	55.8	112	75-125	
1,1-Dichloroethene	ug/L	50	60.2	120	69-129	
1,1-Dichloropropene	ug/L	50	59.1	118	75-126	
1,2,3-Trichlorobenzene	ug/L	50	50.2	100	75-125	
1,2,3-Trichloropropane	ug/L	50	54.0	108	72-126	
1,2,4-Trichlorobenzene	ug/L	50	50.3	101	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	56.4	113	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	57.3	115	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	57.2	114	75-125	
1,2-Dichlorobenzene	ug/L	50	52.8	106	75-125	
1,2-Dichloroethane	ug/L	50	54.9	110	75-125	
1,2-Dichloropropane	ug/L	50	55.5	111	75-125	
1,3,5-Trimethylbenzene	ug/L	50	56.1	112	75-125	
1,3-Dichlorobenzene	ug/L	50	53.1	106	75-125	
1,3-Dichloropropane	ug/L	50	56.3	113	75-125	
1,4-Dichlorobenzene	ug/L	50	52.1	104	75-125	
2,2-Dichloropropane	ug/L	50	64.0	128	48-150	
2-Butanone (MEK)	ug/L	50	51.0	102	51-134	
2-Chlorotoluene	ug/L	50	54.4	109	75-125	
4-Chlorotoluene	ug/L	50	54.2	108	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.2	114	60-125	
Acetone	ug/L	125	144	115	38-125	
Allyl chloride	ug/L	50	63.6	127	64-137	
Benzene	ug/L	50	56.9	114	75-125	
Bromobenzene	ug/L	50	53.8	108	75-125	
Bromochloromethane	ug/L	50	57.0	114	75-125	
Bromodichloromethane	ug/L	50	53.7	107	75-125	
Bromoform	ug/L	100	116	116	68-125	
Bromomethane	ug/L	50	42.0	84	47-129	
Carbon tetrachloride	ug/L	50	56.5	113	59-133	
Chlorobenzene	ug/L	50	54.4	109	75-125	
Chloroethane	ug/L	50	47.1	94	73-132	
Chloroform	ug/L	50	52.7	105	75-125	
Chloromethane	ug/L	50	38.8	78	72-125	
cis-1,2-Dichloroethene	ug/L	50	57.9	116	75-125	
cis-1,3-Dichloropropene	ug/L	50	59.6	119	75-125	
Dibromochloromethane	ug/L	50	57.0	114	75-125	
Dibromomethane	ug/L	50	55.2	110	75-125	
Dichlorodifluoromethane	ug/L	50	31.9	64	69-134	L0
Dichlorofluoromethane	ug/L	50	55.7	111	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	59.8	120	71-125	
Ethylbenzene	ug/L	50	57.0	114	75-125	
Hexachloro-1,3-butadiene	ug/L	50	46.0	92	75-137	
Isopropylbenzene (Cumene)	ug/L	50	57.7	115	75-125	
m&p-Xylene	ug/L	100	115	115	75-125	
Methyl-tert-butyl ether	ug/L	50	57.6	115	75-125	
Methylene Chloride	ug/L	50	55.3	111	75-125	
n-Butylbenzene	ug/L	50	53.5	107	75-125	
n-Propylbenzene	ug/L	50	56.1	112	75-125	
Naphthalene	ug/L	50	50.3	101	72-125	
o-Xylene	ug/L	50	57.7	115	75-125	
p-Isopropyltoluene	ug/L	50	55.4	111	75-125	
sec-Butylbenzene	ug/L	50	54.1	108	75-125	
Styrene	ug/L	50	58.4	117	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 791475

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	54.6	109	75-125	
Tetrachloroethene	ug/L	50	55.9	112	74-125	
Tetrahydrofuran	ug/L	500	602	120	65-125	
Toluene	ug/L	50	55.9	112	75-125	
trans-1,2-Dichloroethene	ug/L	50	59.4	119	74-125	
trans-1,3-Dichloropropene	ug/L	50	61.8	124	75-125	
Trichloroethene	ug/L	50	55.4	111	75-125	
Trichlorofluoromethane	ug/L	50	44.2	88	73-134	
Vinyl chloride	ug/L	50	42.6	85	75-126	
Xylene (Total)	ug/L	150	172	115	75-125	
1,2-Dichloroethane-d4 (S)	%			95	75-125	
4-Bromofluorobenzene (S)	%			101	75-125	
Dibromofluoromethane (S)	%			98	75-125	
Toluene-d8 (S)	%			99	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791476 791477

Parameter	Units	10128897002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	400	400	427	430	107	107	71-125	.7	30	
1,1,1-Trichloroethane	ug/L	ND	400	400	446	437	111	109	75-125	2	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	400	400	452	484	113	121	75-126	7	30	
1,1,2-Trichloroethane	ug/L	ND	400	400	450	476	113	119	75-125	6	30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	400	400	502	500	126	125	70-150	.5	30	
1,1-Dichloroethane	ug/L	ND	400	400	451	452	113	113	75-125	.3	30	
1,1-Dichloroethene	ug/L	ND	400	400	481	483	120	121	64-142	.3	30	
1,1-Dichloropropene	ug/L	ND	400	400	474	468	118	117	75-125	1	30	
1,2,3-Trichlorobenzene	ug/L	ND	400	400	443	437	111	109	75-125	1	30	
1,2,3-Trichloropropane	ug/L	ND	400	400	456	483	114	121	72-127	6	30	
1,2,4-Trichlorobenzene	ug/L	ND	400	400	432	436	108	109	75-125	.9	30	
1,2,4-Trimethylbenzene	ug/L	1450	400	400	1960	1990	127	133	75-125	1	30	P6
1,2-Dibromo-3-chloropropane	ug/L	ND	400	400	476	500	119	125	65-125	5	30	
1,2-Dibromoethane (EDB)	ug/L	ND	400	400	440	473	110	118	75-125	7	30	
1,2-Dichlorobenzene	ug/L	ND	400	400	434	441	108	110	75-125	2	30	
1,2-Dichloroethane	ug/L	ND	400	400	423	433	106	108	75-125	2	30	
1,2-Dichloropropane	ug/L	ND	400	400	444	453	111	113	75-125	2	30	
1,3,5-Trimethylbenzene	ug/L	377	400	400	859	868	121	123	75-127	1	30	
1,3-Dichlorobenzene	ug/L	ND	400	400	432	436	108	109	75-125	1	30	
1,3-Dichloropropane	ug/L	ND	400	400	448	468	112	117	75-125	4	30	
1,4-Dichlorobenzene	ug/L	ND	400	400	429	437	107	109	75-125	2	30	
2,2-Dichloropropane	ug/L	ND	400	400	502	485	125	121	48-150	3	30	
2-Butanone (MEK)	ug/L	ND	400	400	407	441	102	110	51-134	8	30	
2-Chlorotoluene	ug/L	ND	400	400	611	614	153	154	75-125	.5	30	M0
4-Chlorotoluene	ug/L	ND	400	400	449	450	112	112	68-127	.2	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	400	400	445	493	111	123	60-135	10	30	
Acetone	ug/L	ND	1000	1000	908	974	91	97	30-125	7	30	
Allyl chloride	ug/L	ND	400	400	518	435	129	109	40-137	17	30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 791476 791477

Parameter	Units	10128897002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	735	400	400	1210	1220	120	122	75-125	.8	30	
Bromobenzene	ug/L	ND	400	400	432	446	108	112	75-125	3	30	
Bromochloromethane	ug/L	ND	400	400	454	466	114	116	75-125	2	30	
Bromodichloromethane	ug/L	ND	400	400	418	424	105	106	72-125	1	30	
Bromoform	ug/L	ND	800	800	840	842	105	105	51-125	.2	30	
Bromomethane	ug/L	ND	400	400	337	318	84	80	47-130	6	30	
Carbon tetrachloride	ug/L	ND	400	400	440	428	110	107	61-133	3	30	
Chlorobenzene	ug/L	ND	400	400	438	447	109	112	75-125	2	30	
Chloroethane	ug/L	ND	400	400	407	394	102	98	75-132	3	30	
Chloroform	ug/L	ND	400	400	416	422	104	106	75-125	2	30	
Chloromethane	ug/L	ND	400	400	333	373	83	93	68-132	11	30	
cis-1,2-Dichloroethene	ug/L	ND	400	400	463	468	116	117	75-125	1	30	
cis-1,3-Dichloropropene	ug/L	ND	400	400	466	457	117	114	63-125	2	30	
Dibromochloromethane	ug/L	ND	400	400	428	445	107	111	62-125	4	30	
Dibromomethane	ug/L	ND	400	400	441	451	110	113	75-125	2	30	
Dichlorodifluoromethane	ug/L	ND	400	400	299	293	75	73	65-150	2	30	
Dichlorofluoromethane	ug/L	ND	400	400	442	438	110	109	68-127	1	30	
Diethyl ether (Ethyl ether)	ug/L	ND	400	400	474	499	118	125	71-125	5	30	
Ethylbenzene	ug/L	850	400	400	1340	1350	123	124	75-125	.4	30	
Hexachloro-1,3-butadiene	ug/L	ND	400	400	406	389	101	97	75-147	4	30	
Isopropylbenzene (Cumene)	ug/L	41.5	400	400	501	506	115	116	75-125	.8	30	
m&p-Xylene	ug/L	4280	800	800	5270	5310	123	129	67-125	.9	30	P6
Methyl-tert-butyl ether	ug/L	ND	400	400	450	470	112	118	75-125	5	30	
Methylene Chloride	ug/L	ND	400	400	457	458	114	115	75-125	.2	30	
n-Butylbenzene	ug/L	36.3	400	400	479	475	111	110	70-135	.8	30	
n-Propylbenzene	ug/L	107	400	400	580	579	118	118	70-131	.3	30	
Naphthalene	ug/L	251	400	400	697	747	112	124	66-127	7	30	
o-Xylene	ug/L	2020	400	400	2550	2590	132	143	72-125	2	30	P6
p-Isopropyltoluene	ug/L	27.0	400	400	480	480	113	113	71-126	.02	30	
sec-Butylbenzene	ug/L	ND	400	400	452	452	113	113	75-127	.07	30	
Styrene	ug/L	ND	400	400	457	469	114	117	30-134	3	30	
tert-Butylbenzene	ug/L	ND	400	400	450	447	112	112	75-125	.5	30	
Tetrachloroethene	ug/L	ND	400	400	460	455	115	114	74-125	1	30	
Tetrahydrofuran	ug/L	ND	4000	4000	5360	5890	134	147	65-125	9	30	M0
Toluene	ug/L	1810	400	400	2320	2350	126	133	75-125	1	30	P6
trans-1,2-Dichloroethene	ug/L	ND	400	400	471	478	118	120	72-125	1	30	
trans-1,3-Dichloropropene	ug/L	ND	400	400	469	472	117	118	63-125	.6	30	
Trichloroethene	ug/L	ND	400	400	439	446	110	112	58-127	2	30	
Trichlorofluoromethane	ug/L	ND	400	400	377	362	94	91	73-150	4	30	
Vinyl chloride	ug/L	ND	400	400	351	349	88	87	75-134	.6	30	
Xylene (Total)	ug/L	6300	1200	1200	7810	7900	126	133	75-125	1	30	P6
1,2-Dichloroethane-d4 (S)	%						96	92	75-125			
4-Bromofluorobenzene (S)	%						101	104	75-125			
Dibromofluoromethane (S)	%						95	96	75-125			
Toluene-d8 (S)	%						100	102	75-125			

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

QC Batch: MSV/14561
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10128925003

METHOD BLANK: 792115
Matrix: Water
Associated Lab Samples: 10128925003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1-Dichloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,1-Dichloroethene	ug/L	ND	1.0	05/18/10 15:11	
1,1-Dichloropropene	ug/L	ND	1.0	05/18/10 15:11	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/18/10 15:11	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:11	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/18/10 15:11	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/18/10 15:11	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
1,2-Dichloroethane	ug/L	ND	1.0	05/18/10 15:11	
1,2-Dichloropropane	ug/L	ND	1.0	05/18/10 15:11	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:11	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
1,3-Dichloropropane	ug/L	ND	1.0	05/18/10 15:11	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
2,2-Dichloropropane	ug/L	ND	4.0	05/18/10 15:11	
2-Butanone (MEK)	ug/L	ND	4.0	05/18/10 15:11	
2-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:11	
4-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:11	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/18/10 15:11	
Acetone	ug/L	ND	10.0	05/18/10 15:11	
Allyl chloride	ug/L	ND	4.0	05/18/10 15:11	
Benzene	ug/L	ND	1.0	05/18/10 15:11	
Bromobenzene	ug/L	ND	1.0	05/18/10 15:11	
Bromochloromethane	ug/L	ND	1.0	05/18/10 15:11	
Bromodichloromethane	ug/L	ND	1.0	05/18/10 15:11	
Bromoform	ug/L	ND	8.0	05/18/10 15:11	
Bromomethane	ug/L	ND	4.0	05/18/10 15:11	
Carbon tetrachloride	ug/L	ND	4.0	05/18/10 15:11	
Chlorobenzene	ug/L	ND	1.0	05/18/10 15:11	
Chloroethane	ug/L	ND	1.0	05/18/10 15:11	
Chloroform	ug/L	ND	1.0	05/18/10 15:11	
Chloromethane	ug/L	ND	4.0	05/18/10 15:11	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:11	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:11	
Dibromochloromethane	ug/L	ND	1.0	05/18/10 15:11	
Dibromomethane	ug/L	ND	4.0	05/18/10 15:11	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

METHOD BLANK: 792115 Matrix: Water

Associated Lab Samples: 10128925003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/18/10 15:11	
Dichlorofluoromethane	ug/L	ND	1.0	05/18/10 15:11	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/18/10 15:11	
Ethylbenzene	ug/L	ND	1.0	05/18/10 15:11	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/18/10 15:11	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/18/10 15:11	
m&p-Xylene	ug/L	ND	2.0	05/18/10 15:11	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/18/10 15:11	
Methylene Chloride	ug/L	ND	4.0	05/18/10 15:11	
n-Butylbenzene	ug/L	ND	1.0	05/18/10 15:11	
n-Propylbenzene	ug/L	ND	1.0	05/18/10 15:11	
Naphthalene	ug/L	ND	4.0	05/18/10 15:11	
o-Xylene	ug/L	ND	1.0	05/18/10 15:11	
p-Isopropyltoluene	ug/L	ND	1.0	05/18/10 15:11	
sec-Butylbenzene	ug/L	ND	1.0	05/18/10 15:11	
Styrene	ug/L	ND	1.0	05/18/10 15:11	
tert-Butylbenzene	ug/L	ND	1.0	05/18/10 15:11	
Tetrachloroethene	ug/L	ND	1.0	05/18/10 15:11	
Tetrahydrofuran	ug/L	ND	10.0	05/18/10 15:11	
Toluene	ug/L	ND	1.0	05/18/10 15:11	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:11	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:11	
Trichloroethene	ug/L	ND	1.0	05/18/10 15:11	
Trichlorofluoromethane	ug/L	ND	1.0	05/18/10 15:11	
Vinyl chloride	ug/L	ND	0.40	05/18/10 15:11	
Xylene (Total)	ug/L	ND	3.0	05/18/10 15:11	
1,2-Dichloroethane-d4 (S)	%	106	75-125	05/18/10 15:11	
4-Bromofluorobenzene (S)	%	94	75-125	05/18/10 15:11	
Dibromofluoromethane (S)	%	107	75-125	05/18/10 15:11	
Toluene-d8 (S)	%	92	75-125	05/18/10 15:11	

LABORATORY CONTROL SAMPLE: 792116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	52.3	105	75-125	
1,1,1-Trichloroethane	ug/L	50	53.1	106	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	55.4	111	75-125	
1,1,2-Trichloroethane	ug/L	50	53.7	107	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	56.5	113	70-138	
1,1-Dichloroethane	ug/L	50	53.6	107	75-125	
1,1-Dichloroethene	ug/L	50	56.7	113	69-129	
1,1-Dichloropropene	ug/L	50	55.8	112	75-126	
1,2,3-Trichlorobenzene	ug/L	50	51.2	102	75-125	
1,2,3-Trichloropropane	ug/L	50	53.2	106	72-126	
1,2,4-Trichlorobenzene	ug/L	50	49.3	99	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 792116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	54.2	108	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	56.8	114	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	55.8	112	75-125	
1,2-Dichlorobenzene	ug/L	50	51.1	102	75-125	
1,2-Dichloroethane	ug/L	50	52.0	104	75-125	
1,2-Dichloropropane	ug/L	50	54.4	109	75-125	
1,3,5-Trimethylbenzene	ug/L	50	53.3	107	75-125	
1,3-Dichlorobenzene	ug/L	50	51.1	102	75-125	
1,3-Dichloropropane	ug/L	50	55.3	111	75-125	
1,4-Dichlorobenzene	ug/L	50	50.5	101	75-125	
2,2-Dichloropropane	ug/L	50	58.4	117	48-150	
2-Butanone (MEK)	ug/L	50	51.8	104	51-134	
2-Chlorotoluene	ug/L	50	52.2	104	75-125	
4-Chlorotoluene	ug/L	50	52.4	105	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	57.7	115	60-125	
Acetone	ug/L	125	133	106	38-125	
Allyl chloride	ug/L	50	60.7	121	64-137	
Benzene	ug/L	50	54.9	110	75-125	
Bromobenzene	ug/L	50	51.4	103	75-125	
Bromochloromethane	ug/L	50	54.6	109	75-125	
Bromodichloromethane	ug/L	50	52.5	105	75-125	
Bromoform	ug/L	100	114	114	68-125	
Bromomethane	ug/L	50	46.7	93	47-129	
Carbon tetrachloride	ug/L	50	52.8	106	59-133	
Chlorobenzene	ug/L	50	52.2	104	75-125	
Chloroethane	ug/L	50	50.5	101	73-132	
Chloroform	ug/L	50	50.4	101	75-125	
Chloromethane	ug/L	50	45.2	90	72-125	
cis-1,2-Dichloroethene	ug/L	50	55.3	111	75-125	
cis-1,3-Dichloropropene	ug/L	50	58.8	118	75-125	
Dibromochloromethane	ug/L	50	54.2	108	75-125	
Dibromomethane	ug/L	50	53.5	107	75-125	
Dichlorodifluoromethane	ug/L	50	47.4	95	69-134	
Dichlorofluoromethane	ug/L	50	52.9	106	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	58.6	117	71-125	
Ethylbenzene	ug/L	50	54.4	109	75-125	
Hexachloro-1,3-butadiene	ug/L	50	44.0	88	75-137	
Isopropylbenzene (Cumene)	ug/L	50	54.7	109	75-125	
m&p-Xylene	ug/L	100	110	110	75-125	
Methyl-tert-butyl ether	ug/L	50	55.7	111	75-125	
Methylene Chloride	ug/L	50	52.5	105	75-125	
n-Butylbenzene	ug/L	50	51.4	103	75-125	
n-Propylbenzene	ug/L	50	53.6	107	75-125	
Naphthalene	ug/L	50	50.8	102	72-125	
o-Xylene	ug/L	50	54.6	109	75-125	
p-Isopropyltoluene	ug/L	50	52.5	105	75-125	
sec-Butylbenzene	ug/L	50	51.6	103	75-125	
Styrene	ug/L	50	56.7	113	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 792116

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	51.8	104	75-125	
Tetrachloroethene	ug/L	50	52.6	105	74-125	
Tetrahydrofuran	ug/L	500	610	122	65-125	
Toluene	ug/L	50	53.0	106	75-125	
trans-1,2-Dichloroethene	ug/L	50	56.0	112	74-125	
trans-1,3-Dichloropropene	ug/L	50	60.0	120	75-125	
Trichloroethene	ug/L	50	52.4	105	75-125	
Trichlorofluoromethane	ug/L	50	47.7	95	73-134	
Vinyl chloride	ug/L	50	49.4	99	75-126	
Xylene (Total)	ug/L	150	165	110	75-125	
1,2-Dichloroethane-d4 (S)	%			93	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Dibromofluoromethane (S)	%			99	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 792117 792118

Parameter	Units	10128925003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	ND	200	200	222	214	111	107	71-125	4	30	
1,1,1-Trichloroethane	ug/L	ND	200	200	229	214	115	107	75-125	7	30	
1,1,2,2-Tetrachloroethane	ug/L	ND	200	200	237	233	118	116	75-126	2	30	
1,1,2-Trichloroethane	ug/L	ND	200	200	231	223	115	112	75-125	3	30	
1,1,2-Trichlorotrifluoroethane	ug/L	39.3	200	200	288	266	124	113	70-150	8	30	
1,1-Dichloroethane	ug/L	ND	200	200	236	224	118	112	75-125	5	30	
1,1-Dichloroethene	ug/L	ND	200	200	256	233	128	116	64-142	9	30	
1,1-Dichloropropene	ug/L	ND	200	200	238	228	119	114	75-125	4	30	
1,2,3-Trichlorobenzene	ug/L	ND	200	200	223	204	111	102	75-125	9	30	
1,2,3-Trichloropropane	ug/L	ND	200	200	224	219	112	110	72-127	2	30	
1,2,4-Trichlorobenzene	ug/L	ND	200	200	203	191	101	95	75-125	6	30	
1,2,4-Trimethylbenzene	ug/L	ND	200	200	228	219	114	109	75-125	4	30	
1,2-Dibromo-3-chloropropane	ug/L	ND	200	200	232	226	116	113	65-125	2	30	
1,2-Dibromoethane (EDB)	ug/L	ND	200	200	232	225	116	112	75-125	3	30	
1,2-Dichlorobenzene	ug/L	ND	200	200	217	211	109	106	75-125	3	30	
1,2-Dichloroethane	ug/L	ND	200	200	224	214	112	107	75-125	5	30	
1,2-Dichloropropane	ug/L	ND	200	200	230	222	115	111	75-125	4	30	
1,3,5-Trimethylbenzene	ug/L	ND	200	200	224	213	112	106	75-127	5	30	
1,3-Dichlorobenzene	ug/L	ND	200	200	218	209	109	105	75-125	4	30	
1,3-Dichloropropane	ug/L	ND	200	200	233	224	116	112	75-125	4	30	
1,4-Dichlorobenzene	ug/L	ND	200	200	217	208	109	104	75-125	4	30	
2,2-Dichloropropane	ug/L	ND	200	200	250	228	125	114	48-150	9	30	
2-Butanone (MEK)	ug/L	ND	200	200	190	188	95	94	51-134	1	30	
2-Chlorotoluene	ug/L	ND	200	200	221	211	110	105	75-125	5	30	
4-Chlorotoluene	ug/L	ND	200	200	224	215	112	107	68-127	4	30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	200	200	229	220	114	110	60-135	4	30	
Acetone	ug/L	ND	500	500	411	419	82	84	30-125	2	30	
Allyl chloride	ug/L	ND	200	200	254	175	127	87	40-137	37	30	R1

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 792117 792118

Parameter	Units	10128925003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	200	200	242	225	121	113	75-125	7	30	
Bromobenzene	ug/L	ND	200	200	218	209	109	104	75-125	4	30	
Bromochloromethane	ug/L	ND	200	200	241	233	120	116	75-125	3	30	
Bromodichloromethane	ug/L	ND	200	200	219	205	110	102	72-125	7	30	
Bromoform	ug/L	ND	400	400	459	389	115	97	51-125	17	30	
Bromomethane	ug/L	ND	200	200	205	187	102	93	47-130	9	30	
Carbon tetrachloride	ug/L	ND	200	200	228	203	114	101	61-133	12	30	
Chlorobenzene	ug/L	ND	200	200	225	214	113	107	75-125	5	30	
Chloroethane	ug/L	ND	200	200	230	211	115	106	75-132	8	30	
Chloroform	ug/L	ND	200	200	220	208	110	104	75-125	6	30	
Chloromethane	ug/L	ND	200	200	220	222	110	111	68-132	.8	30	
cis-1,2-Dichloroethene	ug/L	ND	200	200	243	237	117	114	75-125	3	30	
cis-1,3-Dichloropropene	ug/L	ND	200	200	239	190	119	95	63-125	22	30	
Dibromochloromethane	ug/L	ND	200	200	226	202	113	101	62-125	11	30	
Dibromomethane	ug/L	ND	200	200	229	233	114	116	75-125	2	30	
Dichlorodifluoromethane	ug/L	ND	200	200	210	196	105	98	65-150	7	30	
Dichlorofluoromethane	ug/L	ND	200	200	237	220	119	110	68-127	7	30	
Diethyl ether (Ethyl ether)	ug/L	ND	200	200	254	248	127	124	71-125	3	30	M0
Ethylbenzene	ug/L	ND	200	200	232	220	116	110	75-125	6	30	
Hexachloro-1,3-butadiene	ug/L	ND	200	200	199	183	99	92	75-147	8	30	
Isopropylbenzene (Cumene)	ug/L	ND	200	200	227	220	114	110	75-125	4	30	
m&p-Xylene	ug/L	ND	400	400	471	441	118	110	67-125	7	30	
Methyl-tert-butyl ether	ug/L	ND	200	200	238	224	119	112	75-125	6	30	
Methylene Chloride	ug/L	ND	200	200	237	219	118	110	75-125	8	30	
n-Butylbenzene	ug/L	ND	200	200	215	203	108	101	70-135	6	30	
n-Propylbenzene	ug/L	ND	200	200	227	216	114	108	70-131	5	30	
Naphthalene	ug/L	ND	200	200	207	195	104	98	66-127	6	30	
o-Xylene	ug/L	ND	200	200	227	219	114	109	72-125	4	30	
p-Isopropyltoluene	ug/L	ND	200	200	220	209	110	104	71-126	5	30	
sec-Butylbenzene	ug/L	ND	200	200	220	211	110	105	75-127	4	30	
Styrene	ug/L	ND	200	200	236	226	118	113	30-134	4	30	
tert-Butylbenzene	ug/L	ND	200	200	218	207	109	103	75-125	5	30	
Tetrachloroethene	ug/L	815	200	200	984	938	84	61	74-125	5	30	P6
Tetrahydrofuran	ug/L	ND	2000	2000	2540	2460	127	123	65-125	3	30	M0
Toluene	ug/L	ND	200	200	227	220	114	110	75-125	3	30	
trans-1,2-Dichloroethene	ug/L	ND	200	200	250	235	125	117	72-125	6	30	
trans-1,3-Dichloropropene	ug/L	ND	200	200	244	196	122	98	63-125	21	30	
Trichloroethene	ug/L	ND	200	200	225	215	112	108	58-127	4	30	
Trichlorofluoromethane	ug/L	ND	200	200	209	195	105	98	73-150	7	30	
Vinyl chloride	ug/L	ND	200	200	223	207	112	103	75-134	8	30	
Xylene (Total)	ug/L	ND	600	600	698	660	116	110	75-125	6	30	
1,2-Dichloroethane-d4 (S)	%						96	95	75-125			
4-Bromofluorobenzene (S)	%						98	97	75-125			
Dibromofluoromethane (S)	%						99	97	75-125			
Toluene-d8 (S)	%						100	97	75-125			

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

QC Batch: MSV/14563
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10128925007

METHOD BLANK: 792192
Matrix: Water
Associated Lab Samples: 10128925007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,1-Trichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,2-Trichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
1,1-Dichloropropene	ug/L	ND	1.0	05/18/10 15:23	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2,3-Trichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2,4-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dibromo-3-chloropropane	ug/L	ND	4.0	05/18/10 15:23	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichloroethane	ug/L	ND	1.0	05/18/10 15:23	
1,2-Dichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,3,5-Trimethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
1,3-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
1,3-Dichloropropane	ug/L	ND	1.0	05/18/10 15:23	
1,4-Dichlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
2,2-Dichloropropane	ug/L	ND	4.0	05/18/10 15:23	
2-Butanone (MEK)	ug/L	ND	4.0	05/18/10 15:23	
2-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:23	
4-Chlorotoluene	ug/L	ND	1.0	05/18/10 15:23	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	4.0	05/18/10 15:23	
Acetone	ug/L	ND	10.0	05/18/10 15:23	
Allyl chloride	ug/L	ND	4.0	05/18/10 15:23	
Benzene	ug/L	ND	1.0	05/18/10 15:23	
Bromobenzene	ug/L	ND	1.0	05/18/10 15:23	
Bromochloromethane	ug/L	ND	1.0	05/18/10 15:23	
Bromodichloromethane	ug/L	ND	1.0	05/18/10 15:23	
Bromoform	ug/L	ND	8.0	05/18/10 15:23	
Bromomethane	ug/L	ND	4.0	05/18/10 15:23	
Carbon tetrachloride	ug/L	ND	4.0	05/18/10 15:23	
Chlorobenzene	ug/L	ND	1.0	05/18/10 15:23	
Chloroethane	ug/L	ND	1.0	05/18/10 15:23	
Chloroform	ug/L	ND	1.0	05/18/10 15:23	
Chloromethane	ug/L	ND	4.0	05/18/10 15:23	
cis-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
cis-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:23	
Dibromochloromethane	ug/L	ND	1.0	05/18/10 15:23	
Dibromomethane	ug/L	ND	4.0	05/18/10 15:23	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

METHOD BLANK: 792192 Matrix: Water

Associated Lab Samples: 10128925007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dichlorodifluoromethane	ug/L	ND	1.0	05/18/10 15:23	
Dichlorofluoromethane	ug/L	ND	1.0	05/18/10 15:23	
Diethyl ether (Ethyl ether)	ug/L	ND	4.0	05/18/10 15:23	
Ethylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Hexachloro-1,3-butadiene	ug/L	ND	4.0	05/18/10 15:23	
Isopropylbenzene (Cumene)	ug/L	ND	1.0	05/18/10 15:23	
m&p-Xylene	ug/L	ND	2.0	05/18/10 15:23	
Methyl-tert-butyl ether	ug/L	ND	1.0	05/18/10 15:23	
Methylene Chloride	ug/L	ND	4.0	05/18/10 15:23	
n-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
n-Propylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Naphthalene	ug/L	ND	4.0	05/18/10 15:23	
o-Xylene	ug/L	ND	1.0	05/18/10 15:23	
p-Isopropyltoluene	ug/L	ND	1.0	05/18/10 15:23	
sec-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Styrene	ug/L	ND	1.0	05/18/10 15:23	
tert-Butylbenzene	ug/L	ND	1.0	05/18/10 15:23	
Tetrachloroethene	ug/L	ND	1.0	05/18/10 15:23	
Tetrahydrofuran	ug/L	ND	10.0	05/18/10 15:23	
Toluene	ug/L	ND	1.0	05/18/10 15:23	
trans-1,2-Dichloroethene	ug/L	ND	1.0	05/18/10 15:23	
trans-1,3-Dichloropropene	ug/L	ND	4.0	05/18/10 15:23	
Trichloroethene	ug/L	ND	1.0	05/18/10 15:23	
Trichlorofluoromethane	ug/L	ND	1.0	05/18/10 15:23	
Vinyl chloride	ug/L	ND	0.40	05/18/10 15:23	
Xylene (Total)	ug/L	ND	3.0	05/18/10 15:23	
1,2-Dichloroethane-d4 (S)	%	101	75-125	05/18/10 15:23	
4-Bromofluorobenzene (S)	%	92	75-125	05/18/10 15:23	
Dibromofluoromethane (S)	%	103	75-125	05/18/10 15:23	
Toluene-d8 (S)	%	97	75-125	05/18/10 15:23	

LABORATORY CONTROL SAMPLE: 792193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	53.8	108	75-125	
1,1,1-Trichloroethane	ug/L	50	53.4	107	75-125	
1,1,2,2-Tetrachloroethane	ug/L	50	51.0	102	75-125	
1,1,2-Trichloroethane	ug/L	50	47.9	96	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	50	60.5	121	70-138	
1,1-Dichloroethane	ug/L	50	49.8	100	75-125	
1,1-Dichloroethene	ug/L	50	51.3	103	69-129	
1,1-Dichloropropene	ug/L	50	51.5	103	75-126	
1,2,3-Trichlorobenzene	ug/L	50	52.5	105	75-125	
1,2,3-Trichloropropane	ug/L	50	50.9	102	72-126	
1,2,4-Trichlorobenzene	ug/L	50	53.8	108	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 792193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4-Trimethylbenzene	ug/L	50	53.8	108	75-125	
1,2-Dibromo-3-chloropropane	ug/L	50	57.0	114	67-125	
1,2-Dibromoethane (EDB)	ug/L	50	51.0	102	75-125	
1,2-Dichlorobenzene	ug/L	50	52.0	104	75-125	
1,2-Dichloroethane	ug/L	50	49.7	99	75-125	
1,2-Dichloropropane	ug/L	50	50.2	100	75-125	
1,3,5-Trimethylbenzene	ug/L	50	53.8	108	75-125	
1,3-Dichlorobenzene	ug/L	50	53.0	106	75-125	
1,3-Dichloropropane	ug/L	50	50.7	101	75-125	
1,4-Dichlorobenzene	ug/L	50	50.4	101	75-125	
2,2-Dichloropropane	ug/L	50	54.7	109	48-150	
2-Butanone (MEK)	ug/L	50	41.2	82	51-134	
2-Chlorotoluene	ug/L	50	52.4	105	75-125	
4-Chlorotoluene	ug/L	50	52.0	104	75-125	
4-Methyl-2-pentanone (MIBK)	ug/L	50	48.3	97	60-125	
Acetone	ug/L	125	84.6	68	38-125	
Allyl chloride	ug/L	50	49.3	99	64-137	
Benzene	ug/L	50	52.4	105	75-125	
Bromobenzene	ug/L	50	51.7	103	75-125	
Bromochloromethane	ug/L	50	51.6	103	75-125	
Bromodichloromethane	ug/L	50	53.8	108	75-125	
Bromoform	ug/L	100	112	112	68-125	
Bromomethane	ug/L	50	48.8	98	47-129	
Carbon tetrachloride	ug/L	50	58.3	117	59-133	
Chlorobenzene	ug/L	50	50.3	101	75-125	
Chloroethane	ug/L	50	44.1	88	73-132	
Chloroform	ug/L	50	51.7	103	75-125	
Chloromethane	ug/L	50	45.9	92	72-125	
cis-1,2-Dichloroethene	ug/L	50	52.7	105	75-125	
cis-1,3-Dichloropropene	ug/L	50	53.6	107	75-125	
Dibromochloromethane	ug/L	50	57.7	115	75-125	
Dibromomethane	ug/L	50	50.6	101	75-125	
Dichlorodifluoromethane	ug/L	50	58.1	116	69-134	
Dichlorofluoromethane	ug/L	50	47.7	95	70-125	
Diethyl ether (Ethyl ether)	ug/L	50	51.8	104	71-125	
Ethylbenzene	ug/L	50	51.8	104	75-125	
Hexachloro-1,3-butadiene	ug/L	50	53.8	108	75-137	
Isopropylbenzene (Cumene)	ug/L	50	53.0	106	75-125	
m&p-Xylene	ug/L	100	105	105	75-125	
Methyl-tert-butyl ether	ug/L	50	51.0	102	75-125	
Methylene Chloride	ug/L	50	50.0	100	75-125	
n-Butylbenzene	ug/L	50	52.9	106	75-125	
n-Propylbenzene	ug/L	50	53.1	106	75-125	
Naphthalene	ug/L	50	52.6	105	72-125	
o-Xylene	ug/L	50	52.5	105	75-125	
p-Isopropyltoluene	ug/L	50	53.0	106	75-125	
sec-Butylbenzene	ug/L	50	53.6	107	75-125	
Styrene	ug/L	50	51.6	103	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

LABORATORY CONTROL SAMPLE: 792193

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	ug/L	50	53.6	107	75-125	
Tetrachloroethene	ug/L	50	51.9	104	74-125	
Tetrahydrofuran	ug/L	500	564	113	65-125	
Toluene	ug/L	50	50.9	102	75-125	
trans-1,2-Dichloroethene	ug/L	50	48.1	96	74-125	
trans-1,3-Dichloropropene	ug/L	50	55.2	110	75-125	
Trichloroethene	ug/L	50	51.6	103	75-125	
Trichlorofluoromethane	ug/L	50	51.6	103	73-134	
Vinyl chloride	ug/L	50	45.6	91	75-126	
Xylene (Total)	ug/L	150	158	105	75-125	
1,2-Dichloroethane-d4 (S)	%			94	75-125	
4-Bromofluorobenzene (S)	%			102	75-125	
Dibromofluoromethane (S)	%			100	75-125	
Toluene-d8 (S)	%			97	75-125	

MATRIX SPIKE SAMPLE: 792743

Parameter	Units	10129085008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	20	21.9	109	71-125	
1,1,1-Trichloroethane	ug/L	ND	20	23.2	116	75-125	
1,1,2,2-Tetrachloroethane	ug/L	ND	20	20.5	103	75-126	
1,1,2-Trichloroethane	ug/L	ND	20	20.5	102	75-125	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	20	30.2	151	70-150	M0
1,1-Dichloroethane	ug/L	ND	20	22.3	112	75-125	
1,1-Dichloroethene	ug/L	ND	20	23.2	116	64-142	
1,1-Dichloropropene	ug/L	ND	20	23.7	119	75-125	
1,2,3-Trichlorobenzene	ug/L	ND	20	21.6	108	75-125	
1,2,3-Trichloropropane	ug/L	ND	20	19.8	99	72-127	
1,2,4-Trichlorobenzene	ug/L	ND	20	20.9	104	75-125	
1,2,4-Trimethylbenzene	ug/L	ND	20	21.9	110	75-125	
1,2-Dibromo-3-chloropropane	ug/L	ND	20	22.1	111	65-125	
1,2-Dibromoethane (EDB)	ug/L	ND	20	20.3	101	75-125	
1,2-Dichlorobenzene	ug/L	ND	20	21.2	106	75-125	
1,2-Dichloroethane	ug/L	ND	20	20.9	105	75-125	
1,2-Dichloropropane	ug/L	ND	20	21.3	106	75-125	
1,3,5-Trimethylbenzene	ug/L	ND	20	23.0	115	75-127	
1,3-Dichlorobenzene	ug/L	ND	20	22.0	110	75-125	
1,3-Dichloropropane	ug/L	ND	20	20.6	103	75-125	
1,4-Dichlorobenzene	ug/L	ND	20	21.3	106	75-125	
2,2-Dichloropropane	ug/L	ND	20	23.4	117	48-150	
2-Butanone (MEK)	ug/L	ND	20	14.6	73	51-134	
2-Chlorotoluene	ug/L	ND	20	21.8	109	75-125	
4-Chlorotoluene	ug/L	ND	20	22.3	112	68-127	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	20	18.0	90	60-135	
Acetone	ug/L	ND	50	28.2	56	30-125	
Allyl chloride	ug/L	ND	20	20.5	102	40-137	
Benzene	ug/L	ND	20	22.4	112	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

MATRIX SPIKE SAMPLE: 792743

Parameter	Units	10129085008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromobenzene	ug/L	ND	20	21.1	106	75-125	
Bromochloromethane	ug/L	ND	20	22.1	111	75-125	
Bromodichloromethane	ug/L	ND	20	22.3	112	72-125	
Bromoform	ug/L	ND	40	42.1	105	51-125	
Bromomethane	ug/L	ND	20	20.9	105	47-130	
Carbon tetrachloride	ug/L	ND	20	26.7	133	61-133	
Chlorobenzene	ug/L	ND	20	21.2	106	75-125	
Chloroethane	ug/L	ND	20	20.7	104	75-132	
Chloroform	ug/L	ND	20	22.1	111	75-125	
Chloromethane	ug/L	ND	20	20.2	101	68-132	
cis-1,2-Dichloroethene	ug/L	ND	20	22.8	114	75-125	
cis-1,3-Dichloropropene	ug/L	ND	20	21.1	106	63-125	
Dibromochloromethane	ug/L	ND	20	22.5	113	62-125	
Dibromomethane	ug/L	ND	20	20.7	103	75-125	
Dichlorodifluoromethane	ug/L	ND	20	28.7	144	65-150	
Dichlorofluoromethane	ug/L	ND	20	21.4	107	68-127	
Diethyl ether (Ethyl ether)	ug/L	ND	20	22.0	110	71-125	
Ethylbenzene	ug/L	ND	20	22.1	110	75-125	
Hexachloro-1,3-butadiene	ug/L	ND	20	25.2	126	75-147	
Isopropylbenzene (Cumene)	ug/L	ND	20	22.5	113	75-125	
m&p-Xylene	ug/L	ND	40	45.4	114	67-125	
Methyl-tert-butyl ether	ug/L	ND	20	19.2	96	75-125	
Methylene Chloride	ug/L	ND	20	21.1	105	75-125	
n-Butylbenzene	ug/L	ND	20	23.2	116	70-135	
n-Propylbenzene	ug/L	ND	20	23.1	115	70-131	
Naphthalene	ug/L	ND	20	20.4	102	66-127	
o-Xylene	ug/L	ND	20	22.3	112	72-125	
p-Isopropyltoluene	ug/L	ND	20	22.8	114	71-126	
sec-Butylbenzene	ug/L	ND	20	23.6	118	75-127	
Styrene	ug/L	ND	20	21.8	109	30-134	
tert-Butylbenzene	ug/L	ND	20	22.7	113	75-125	
Tetrachloroethene	ug/L	ND	20	22.5	112	74-125	
Tetrahydrofuran	ug/L	ND	200	210	105	65-125	
Toluene	ug/L	ND	20	21.8	109	75-125	
trans-1,2-Dichloroethene	ug/L	ND	20	21.3	107	72-125	
trans-1,3-Dichloropropene	ug/L	ND	20	21.4	107	63-125	
Trichloroethene	ug/L	ND	20	22.5	112	58-127	
Trichlorofluoromethane	ug/L	ND	20	25.5	128	73-150	
Vinyl chloride	ug/L	ND	20	21.1	106	75-134	
Xylene (Total)	ug/L	ND	60	67.7	113	75-125	
1,2-Dichloroethane-d4 (S)	%				99	75-125	
4-Bromofluorobenzene (S)	%				102	75-125	
Dibromofluoromethane (S)	%				101	75-125	
Toluene-d8 (S)	%				97	75-125	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

SAMPLE DUPLICATE: 792742

Parameter	Units	10129085004 Result	Dup Result	RPD	Max RPD	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,1-Trichloroethane	ug/L	ND	ND		30	
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		30	
1,1,2-Trichloroethane	ug/L	ND	ND		30	
1,1,2-Trichlorotrifluoroethane	ug/L	ND	ND		30	
1,1-Dichloroethane	ug/L	ND	ND		30	
1,1-Dichloroethene	ug/L	ND	ND		30	
1,1-Dichloropropene	ug/L	ND	ND		30	
1,2,3-Trichlorobenzene	ug/L	ND	ND		30	
1,2,3-Trichloropropane	ug/L	ND	ND		30	
1,2,4-Trichlorobenzene	ug/L	ND	ND		30	
1,2,4-Trimethylbenzene	ug/L	ND	ND		30	
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		30	
1,2-Dibromoethane (EDB)	ug/L	ND	ND		30	
1,2-Dichlorobenzene	ug/L	ND	ND		30	
1,2-Dichloroethane	ug/L	ND	ND		30	
1,2-Dichloropropane	ug/L	ND	ND		30	
1,3,5-Trimethylbenzene	ug/L	ND	ND		30	
1,3-Dichlorobenzene	ug/L	ND	ND		30	
1,3-Dichloropropane	ug/L	ND	ND		30	
1,4-Dichlorobenzene	ug/L	ND	ND		30	
2,2-Dichloropropane	ug/L	ND	ND		30	
2-Butanone (MEK)	ug/L	ND	ND		30	
2-Chlorotoluene	ug/L	ND	ND		30	
4-Chlorotoluene	ug/L	ND	ND		30	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		30	
Acetone	ug/L	ND	ND		30	
Allyl chloride	ug/L	ND	ND		30	
Benzene	ug/L	ND	ND		30	
Bromobenzene	ug/L	ND	ND		30	
Bromochloromethane	ug/L	ND	ND		30	
Bromodichloromethane	ug/L	ND	ND		30	
Bromoform	ug/L	ND	ND		30	
Bromomethane	ug/L	ND	ND		30	
Carbon tetrachloride	ug/L	ND	ND		30	
Chlorobenzene	ug/L	ND	ND		30	
Chloroethane	ug/L	ND	ND		30	
Chloroform	ug/L	ND	ND		30	
Chloromethane	ug/L	ND	ND		30	
cis-1,2-Dichloroethene	ug/L	ND	ND		30	
cis-1,3-Dichloropropene	ug/L	ND	ND		30	
Dibromochloromethane	ug/L	ND	ND		30	
Dibromomethane	ug/L	ND	ND		30	
Dichlorodifluoromethane	ug/L	ND	ND		30	
Dichlorofluoromethane	ug/L	ND	ND		30	
Diethyl ether (Ethyl ether)	ug/L	ND	ND		30	
Ethylbenzene	ug/L	ND	ND		30	
Hexachloro-1,3-butadiene	ug/L	ND	ND		30	

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10128925

SAMPLE DUPLICATE: 792742

Parameter	Units	10129085004 Result	Dup Result	RPD	Max RPD	Qualifiers
Isopropylbenzene (Cumene)	ug/L	ND	ND		30	
m&p-Xylene	ug/L	ND	ND		30	
Methyl-tert-butyl ether	ug/L	ND	ND		30	
Methylene Chloride	ug/L	ND	ND		30	
n-Butylbenzene	ug/L	ND	ND		30	
n-Propylbenzene	ug/L	ND	ND		30	
Naphthalene	ug/L	ND	ND		30	
o-Xylene	ug/L	ND	ND		30	
p-Isopropyltoluene	ug/L	ND	ND		30	
sec-Butylbenzene	ug/L	ND	ND		30	
Styrene	ug/L	ND	ND		30	
tert-Butylbenzene	ug/L	ND	ND		30	
Tetrachloroethene	ug/L	ND	ND		30	
Tetrahydrofuran	ug/L	ND	ND		30	
Toluene	ug/L	ND	ND		30	
trans-1,2-Dichloroethene	ug/L	ND	ND		30	
trans-1,3-Dichloropropene	ug/L	ND	ND		30	
Trichloroethene	ug/L	ND	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	107	.9		
4-Bromofluorobenzene (S)	%	91	92	2		
Dibromofluoromethane (S)	%	108	114	5		
Toluene-d8 (S)	%	95	91	4		

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QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10128925

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

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

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.

ANALYTE QUALIFIERS

L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
P6	Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
R1	RPD value was outside control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10128925

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10128925001	**MW-14**	EPA 8260	MSV/14547		
10128925002	**MW-15**	EPA 8260	MSV/14547		
10128925003	**MW-16**	EPA 8260	MSV/14561		
10128925004	**MW-17**	EPA 8260	MSV/14547		
10128925005	**MW-18**	EPA 8260	MSV/14547		
10128925006	**MW-19**	EPA 8260	MSV/14547		
10128925007	**MW-20**	EPA 8260	MSV/14563		

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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.

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

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER_____

SITE LOCATION: ☐ GA ☐ IL ☐ IN ☐ MI ☐ NC ☐ OH ☐ SC ☐ WI ☐ OTHER_____

Section D Required Client Information

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-14	W	G	5/12/10	16:10				3										X	
2	MW-15	W	G	5/12/10	16:40				3										X	
3	MW-16	W	G	5/12/10	19:15				3										X	
4	MW-17	W	G	5/12/10	18:10				3										X	
5	MW-18	W	G	5/12/10	17:25				3										X	
6	MW-19	W	G	5/12/10	15:30				3										X	
7	MW-20	W	G	5/12/10	18:40				3										X	
8																				
5																				
6																				
7																				
8																				

Additional Comments:

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
			Matt Gross / Pace	5-14-10	1225

SAMPLE CONDITIONS

Temp In °C	Received on Ice	Custody Sealed Cooler	Samples Intact
3.4°	(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)

Sample Condition Upon Receipt

Pace Analytical

Client Name: Landmark Project #

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

Tracking #:

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

Option 1
Proj Due Date:
Proj Name:

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

Thermometer Used 80344042 or 179425 Type of Ice: (Wet) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature 3.4° Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 5-14-10 MI

Temp should be above freezing to 6°C

Comments:

Chain of Custody Present:	☒Yes ☐No ☐N/A	1.
Chain of Custody Filled Out:	☒Yes ☐No ☐N/A	2.
Chain of Custody Relinquished:	☐Yes ☒No ☐N/A	3.
Sampler Name & Signature on COC:	☒Yes ☐No ☐N/A	4.
Samples Arrived within Hold Time:	☒Yes ☐No ☐N/A	5.
Short Hold Time Analysis (<72hr):	☐Yes ☒No ☐N/A	6.
Rush Turn Around Time Requested:	☐Yes ☒No ☐N/A	7.
Sufficient Volume:	☒Yes ☐No ☐N/A	8.
Correct Containers Used:	☒Yes ☐No ☐N/A	9.
-Pace Containers Used:	☒Yes ☐No ☐N/A	
Containers Intact:	☒Yes ☐No ☐N/A	10.
Filtered volume received for Dissolved tests	☐Yes ☐No ☒N/A	11.
Sample Labels match COC:	☒Yes ☐No ☐N/A	12.
-Includes date/time/ID/Analysis Matrix: WT		
All containers needing acid/base preservation have been checked. Noncompliance are noted in 13.	☐Yes ☐No ☒N/A	13. ☐ HNO3 ☐ H2SO4 ☐ NaOH ☐ HCl Samp #
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes ☐No ☒N/A	
Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water)	☒Yes ☐No	Initial when completed / Lot # of added preservative
Samples checked for dechlorination:	☐Yes ☐No ☒N/A	14. Headspace in vial of Item 3, 6, all 3 of Item 7
Headspace in VOA Vials (>6mm):	☒Yes ☐No ☐N/A	15.
Trip Blank Present:	☒Yes ☐No ☐N/A	16. Trip blank shared w/ other projects
Trip Blank Custody Seals Present	☒Yes ☐No ☐N/A	
Pace Trip Blank Lot # (if purchased): D42610-4		

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

Person Contacted: Date/Time:

Comments/ Resolution:

Project Manager Review: DMD **Date:** 5-14-10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DENR.

Pace Analytical Services, Inc.
1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

Attachment C

Site Data Entry Worksheet for Soil Vapor Extraction Systems

Enter site data for up to 5 SVE stacks in yellow cells.

Project Name:		Enter Height of Stack#1 (meters):	Enter Distance from Stack#1 to Nearest Receptor or Property Boundary (in meters, minimum 10):	Enter Measured Gas Flow Rate through Vent Stack#1 (m^3/sec):				
MN Bio Business Center		8	10	0.06				
Date of Emission Test:		STACK 1						
05/12/10		ENTER EMISSION CONCENTRATIONS FOR STACK#1 in Column C						
Chemical Name	**CAS or MPCA#**	Emission concentration stack#1 ug/m^3	Gas flow rate through vent stack#1 m^3/sec	Emission rate stack#1 ug/sec	Emission rate stack#1 lb/hr	Emission rate stack#1 tons/year	Total Annual Emissions (tons/year)	Cumulative Emission Rate (ug/sec)
Acetone	67-64-1	509	6.2000E-02	3.1558E+01	2.5046E-04	1.0970E-03	1.0970E-03	3.1558E+01
Carbon disulfide	75-15-0	7.7	6.2000E-02	4.7740E-01	3.7890E-06	1.6596E-05	1.6596E-05	4.7740E-01
Chlorobenzene	108-90-7	3.1	6.2000E-02	1.9220E-01	1.5254E-06	6.6814E-06	6.6814E-06	1.9220E-01
Chloroform	67-66-3	4.9	6.2000E-02	3.0380E-01	2.4112E-06	1.0561E-05	1.0561E-05	3.0380E-01
Cyclohexane	110-82-7	3.7	6.2000E-02	2.2940E-01	1.8207E-06	7.9745E-06	7.9745E-06	2.2940E-01
Dichlorobenzene(p), 1,4-	106-46-7	3.7	6.2000E-02	2.2940E-01	1.8207E-06	7.9745E-06	7.9745E-06	2.2940E-01
Dichlorobenzene, 1,2-	95-50-1	5.5	6.2000E-02	3.4100E-01	2.7064E-06	1.1854E-05	1.1854E-05	3.4100E-01
Dichlorodifluoromethane (CFC-12)	75-71-8	4.1	6.2000E-02	2.5420E-01	2.0175E-06	8.8366E-06	8.8366E-06	2.5420E-01
Ethanol	64-17-5	67.3	6.2000E-02	4.1726E+00	3.3116E-05	1.4505E-04	1.4505E-04	4.1726E+00
Methyl ethyl ketone (2-Butanone)	78-93-3	18	6.2000E-02	1.1160E+00	8.8573E-06	3.8795E-05	3.8795E-05	1.1160E+00
Tetrachloroethylene (Perchloroethylene)	127-18-4	27900	6.2000E-02	1.7298E+03	1.3729E-02	6.0132E-02	6.0132E-02	1.7298E+03
Toluene	108-88-3	8	6.2000E-02	4.9600E-01	3.9366E-06	1.7242E-05	1.7242E-05	4.9600E-01
Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)	76-13-1	21900	6.2000E-02	1.3578E+03	1.0776E-02	4.7201E-02	4.7201E-02	1.3578E+03
Trichloroethylene	79-01-6	24.5	6.2000E-02	1.5190E+00	1.2056E-05	5.2804E-05	5.2804E-05	1.5190E+00
Vinyl acetate	108-05-4	3	6.2000E-02	1.8600E-01	1.4762E-06	6.4658E-06	6.4658E-06	1.8600E-01
Xylenes	1330-20-7	6.9	6.2000E-02	4.2780E-01	3.3953E-06	1.4871E-05	1.4871E-05	4.2780E-01
							1.0878E-01	

Site Data Entry Worksheet for Air Stripper Systems

Enter Site Data for up to 5 air strippers in yellow cells.

Site/Project Name:	MN Bio Business Center
Emission Test Date:	5/12/2010

Enter Height of Stack: (meters)	Enter Distance from Stack to Nearest Receptor or Property Boundary: (in meters, minimum 10)	Air Stripper#1 influent flow rate [IFR] (liter/sec)
8	**10**	**0.01**

		Air Stripper #1								
Chemical Name	**CAS or MPCA#**	Influent Groundwater Concentration [IGC] (ug/L)	Effluent Groundwater Concentration [EGC] (ug/L)	Removal Factor [RF] (dimension less)	Emission Rate [ER = IGC*IFR*RF] (ug/sec)	Emission Rate (lbs/hr)	Emissions Rate (tons/yr)	Cumulative Emission Rate (ug/sec)	Total Annual Emissions (lbs/hr)	Total Annual Emissions (tons/year)
Tetrachloroethylene (Perchloroethylene)	127-18-4	6.34E+01	0.00E+00	1.00	8.88E-01	7.04E-06	3.09E-05	8.88E-01	7.04E-06	3.09E-05
Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)	76-13-1	2.50E+00	0.00E+00	1.00	3.50E-02	2.78E-07	1.22E-06	3.50E-02	2.78E-07	1.22E-06

Screening Emission Rates (SERs) and Chronic Risk Summary
Based on site inputs provided on Soil Venting Worksheet and Air Stripper Worksheet

Site/Project Name:
MN Bio Business Center

Emission Test Date:
5/12/2010

Chemical Name	CAS # or MPCA #	Chronic Noncancer tox value (ug/m3)	Chronic Cancer tox value (ug/m3)	Annual Disp. Factor ((ug/m3)/g/s)	SER for Chronic Risk (ug/s)	Site Specific Emission Rate (ug/s)	Calculated Conc at Receptor for Chronic Risk (ug/m3)	Site HQ (Noncancer)	ELCR (Cancer)
Acetone	67-64-1	3.00E+04		1230	2.44E+07	3.16E+01	3.88E-02	0.0	
Carbon disulfide	75-15-0	7.00E+02		1230	5.69E+05	4.77E-01	5.87E-04	0.0	
Chlorobenzene	108-90-7	5.00E+01		1230	4.07E+04	1.92E-01	2.36E-04	0.0	
Chloroform	67-66-3	1.00E+02		1230	8.13E+04	3.04E-01	3.74E-04	0.0	
Cyclohexane	110-82-7	6.00E+03		1230	4.88E+06	2.29E-01	2.82E-04	0.0	
Dichlorobenzene(p), 1,4-	106-46-7	6.00E+01		1230	4.88E+04	2.29E-01	2.82E-04	0.0	
Dichlorobenzene, 1,2-	95-50-1	2.00E+02		1230	1.63E+05	3.41E-01	4.19E-04	0.0	
Dichlorodifluoromethane (CFC-12)	75-71-8	2.00E+02		1230	1.63E+05	2.54E-01	3.13E-04	0.0	
Ethanol	64-17-5	1.50E+04		1230	1.22E+07	4.17E+00	5.13E-03	0.0	
Methyl ethyl ketone (2-Butanone)	78-93-3	5.00E+03		1230	4.07E+06	1.12E+00	1.37E-03	0.0	
Tetrachloroethylene (Perchloroethylene)	127-18-4	1.00E+02	2.00E+01	1230	1.63E+04	1.73E+03	2.13E+00	0.0	1.1E-06
Toluene	108-88-3	5.00E+03		1230	4.07E+06	4.96E-01	6.10E-04	0.0	
Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)	76-13-1			1230		1.36E+03	1.67E+00		
Trichloroethylene	79-01-6	6.00E+02	3.03E+00	1230	2.46E+03	1.52E+00	1.87E-03	0.0	6.2E-09
Vinyl acetate	108-05-4	2.00E+02		1230	1.63E+05	1.86E-01	2.29E-04	0.0	
Xylenes	1330-20-7	1.00E+02		1230	8.13E+04	4.28E-01	5.26E-04	0.0	
						Additive Risk:		**0.0**	**1.1E-06**

Screening Emission Rates (SERs) and Acute Risk Summary

Based on site inputs provided on Soil Venting Worksheet and Air Stripper Worksheet

Site/Project Name:
MN Bio Business Center

Emission Test Date:
5/12/2010

***Bolded chemicals are developmental toxicants. The acute toxic values are ceiling values that should not be exceeded.**

Chemical Name	CAS # or MPCA #	Acute toxcity value (ug/m3)	1-hr Disp. Factor ((ug/m3)/g/s)	SER [acute risk] (ug/s)	Site Emission Rate (ug/s)	Calculated Conc at Receptor for Acute Risk (ug/m3)	Site HQ (Noncancer) for acute risk
Acetone	67-64-1		3343		3.16E+01	4.62E-01	
Carbon disulfide	**75-15-0**	**6000**	**3343**	**1.79E+06**	**4.77E-01**	**6.99E-03**	0.0
Chlorobenzene	108-90-7		3343		1.92E-01	2.81E-03	
Chloroform	**67-66-3**	**150**	**3343**	**4.49E+04**	**3.04E-01**	**4.45E-03**	0.0
Cyclohexane	110-82-7		3343		2.29E-01	3.36E-03	
Dichlorobenzene(p), 1,4-	106-46-7		3343		2.29E-01	3.36E-03	
Dichlorobenzene, 1,2-	95-50-1		3343		3.41E-01	4.99E-03	
Dichlorodifluoromethane (CFC-12)	75-71-8		3343		2.54E-01	3.72E-03	
Ethanol	64-17-5	180000	3343	5.38E+07	4.17E+00	6.11E-02	0.0
Methyl ethyl ketone (2-Butanone)	78-93-3	10000	3343	2.99E+06	1.12E+00	1.63E-02	0.0
Tetrachloroethylene (Perchloroethylene)	127-18-4	20000	3343	5.98E+06	1.73E+03	2.53E+01	0.0
Toluene	108-88-3	37000	3343	1.11E+07	4.96E-01	7.26E-03	0.0
Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113)	76-13-1		3343		1.36E+03	1.99E+01	
Trichloroethylene	**79-01-6**	**2000**	**3343**	**5.98E+05**	**1.52E+00**	**2.22E-02**	0.0
Vinyl acetate	108-05-4		3343		1.86E-01	2.72E-03	
Xylenes	1330-20-7	43000	3343	1.29E+07	4.28E-01	6.26E-03	0.0
					Additive Risk:		**0.0**

Risk Evaluation Summary

RASS Version Used: RASS version number = 20060829 - RASS

This worksheet provides a summary of the results of the chronic and acute risk calculations based on site inputs from the Soil Venting and the Air Stripper worksheets. For both chronic and acute risk, an unacceptable risk is indicated in red if the Hazard Index exceeds 1. For chronic risk, an unacceptable risk is also indicated in red if the additive ELCR exceeds 10-5. This worksheet also indicates if levels of any acute developmental toxicants (which are considered ceiling values and should never be exceeded) pose an unacceptable risk.

CHRONIC RISK SUMMARY	
Number of Compounds with Hazard Quotient >1:	**0**
Number of Compounds with Cancer Risk > 10^{-5}	**0**
Noncancer Hazard Index:	**0.0**
Excess Lifetime Cancer Risk (ELCR):	**1.1E-06**

ACUTE RISK SUMMARY	
Number of Compounds with Hazard Quotient >1:	**0**
Hazard Index:	**0.0**

Ceiling Values Exceeded?	
Arsenic	**NO**
Benzene	**NO**
Carbon disulfide	**NO**
Carbon tetrachloride	**NO**
Cellosolve Acetate	**NO**
Chloroform	**NO**
Ethoxyethanol, 2-	**NO**
Ethylbenzene	**NO**
Ethyl chloride	**NO**
Mercury	**NO**
Methoxyethanol, 2-	**NO**
Propylene oxide	**NO**
Trichloroethylene	**NO**