

April 22, 2011

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 September 27, 2010, through March 23, 2011, as well as quarterly groundwater monitoring data from samples collected November 18 and December 22, 2010, and on March 1, 2011. On September 27, 2010, John Henry Foster (JHF) and Landmark reinstalled the DPE pump after the lower shaft seal was repaired. The DPE system had been shut down since August 18, 2010, after an oil leak was discovered. On November 16, another oil leak from the DPE system was discovered and the system was shut down. The pump was repaired by JHF under warranty and reinstalled on December 22, 2010.

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. The DPE system well locations and equipment layout are provided in Figures 2 and 3, respectively. A system operation and maintenance summary table is included as Table 1.

System Operational Results

The volatile organic compound (VOC) and perchloroethene (PCE) concentrations from the September 27, October 18, December 22, 2010, and January 20, February 28, and March 23, 2011, sampling events decreased from the July 26, 2010, concentrations (see Figures 4A and 4B, and Table 2). When comparing the March 23, 2011, concentrations 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 56,955 ug/m^3 of total VOCs, a decrease of 99.6 percent (See Figures 4A and 4B). PCE concentrations decreased from 11,600,000 ug/m^3 to 7,340 ug/m^3 , a decrease of 99.9 percent from the baseline concentration (See Figures 4A and 4B). The DPE system removed 84 pounds of total VOCs, including 48 pounds from PCE, from July 26, 2010, through March 23, 2011 (see Figure 5 and Table 2). Through March 23, 2011, the DPE system has removed a total of 3,357 pounds of total VOCs and 2,631 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 rates for PCE from October 18, 2010, through March 23, 2011, ranged from 1,300 to 7,340 micrograms per second (ug/s). The emissions rates during each sampling event were below the MPCA screening emissions rate (SER) for chronic risk of 16,300 ug/s and 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 0.43 pounds on March 23, 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 showed an increase of approximately 2.5 feet when the system was shut down from August 18 through September 27, 2010. When the system was shut down from November 18 through December 22, 2010, the groundwater elevations decreased approximately 1 foot. After the DPE system was restarted on December 22, 2010, the groundwater elevations showed decreasing trends until the March 23, sampling event. The increase in groundwater elevations was due to the DPE system being temporarily shut down from March 18 through March 23, 2010, due to faulty transfer pump float switches. The DPE well, monitoring well, and sump hydrographs are provided in Figures 6 and 7. Landmark's groundwater flow interpretations provided in Figures 8A and 8B show elevated groundwater elevations when compared to the August 2010 data. The groundwater elevation data is provided in Table 7. Well construction information is provided in Table 8.

Groundwater Monitoring Results

Quarterly groundwater sampling was conducted on November 18 and December 22, 2010, and on March 1, 2011. After approximately one year and nine months of DPE system operation, the PCE concentrations at the following wells have decreased at all of the monitoring and DPE wells, except for MW-19, where the concentration of PCE has only increased from 2.4 to 4.8

micrograms per liter (ug/L) [see Figure 9 and Table 9]. The PCE concentration at MW-19 is still below the Minnesota Department of Health's Health Risk limit (HRL) of 5 micrograms per liter (ug/L). The associated percent decrease of PCE concentration at each well is listed as follows: MW-14 (78%), MW-15 (7%), MW-16 (85%), MW-17 (42%), MW-18 (97%), MW-20 (65%), DPE-1 (99.9%), DPE-2 (92%), DPE-3 (92%), DPE-4 (97%), DPE-5 (75%), DPE-6 (98%), DPE-7 (68%) and DPE-8 (97%). Increased concentrations of PCE, when compared to the August 2010, groundwater data were observed at MW-16, MW-20, DPE-3, and DPE-8. Figure's 10A and 10B show the isoconcentration contour maps for PCE during the November 18 and December 22, 2010, and March 1, 2011, sampling events. The groundwater analytical results are included in Table 10 and the groundwater analytical reports are included in Attachment B. Groundwater monitoring field data sheets are included in Attachment A.

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

Conclusions

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

- The DPE system is operating as designed and has removed a significant amount of VOCs in a short period of time.
 - From June 29, 2009, through March 23, 2011, the DPE system removed 3,357 pounds of total VOCs, including 2,631 pounds of PCE from the subsurface.
 - DPE system emissions concentrations of VOCs and PCE from July 26, 2010, have decreased 99.6 percent and 99.9 percent, respectively, when compared to the baseline emissions concentrations.
- During this reporting period, the site specific emissions rates for PCE were 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 (78%), MW-15 (7%), MW-16 (85%), MW-

17 (42%), MW-18 (97%), MW-20 (65%), DPE-1 (99.9%), DPE-2 (92%), DPE-3 (92%), DPE-4 (97%), DPE-5 (75%), DPE-6 (98%), DPE-7 (68%) and DPE-8 (97%).

Recommendations

Landmark recommends continuing sequential operation of all eight DPE wells for the next couple of months. Over the past 6 months, a significant decrease in emissions concentrations and mass removed is observed. The decrease in emissions concentrations occurred despite two separate periods when the DPE system was shut down due to mechanical issues from August 18 through September 27 (41 days) and from November 16 through December 22 (25 days). Rebounds in the PCE air emissions concentrations and in the mass removed were not observed after these two shut-down periods, indicating the DPE system effects may be approaching a point of diminishing returns. Landmark recommends setting up a meeting with the Minnesota Pollution Control Agency (MPCA) to discuss their expectations of the DPE system, and a path for transitioning from DPE system operation to passive venting system operation.

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

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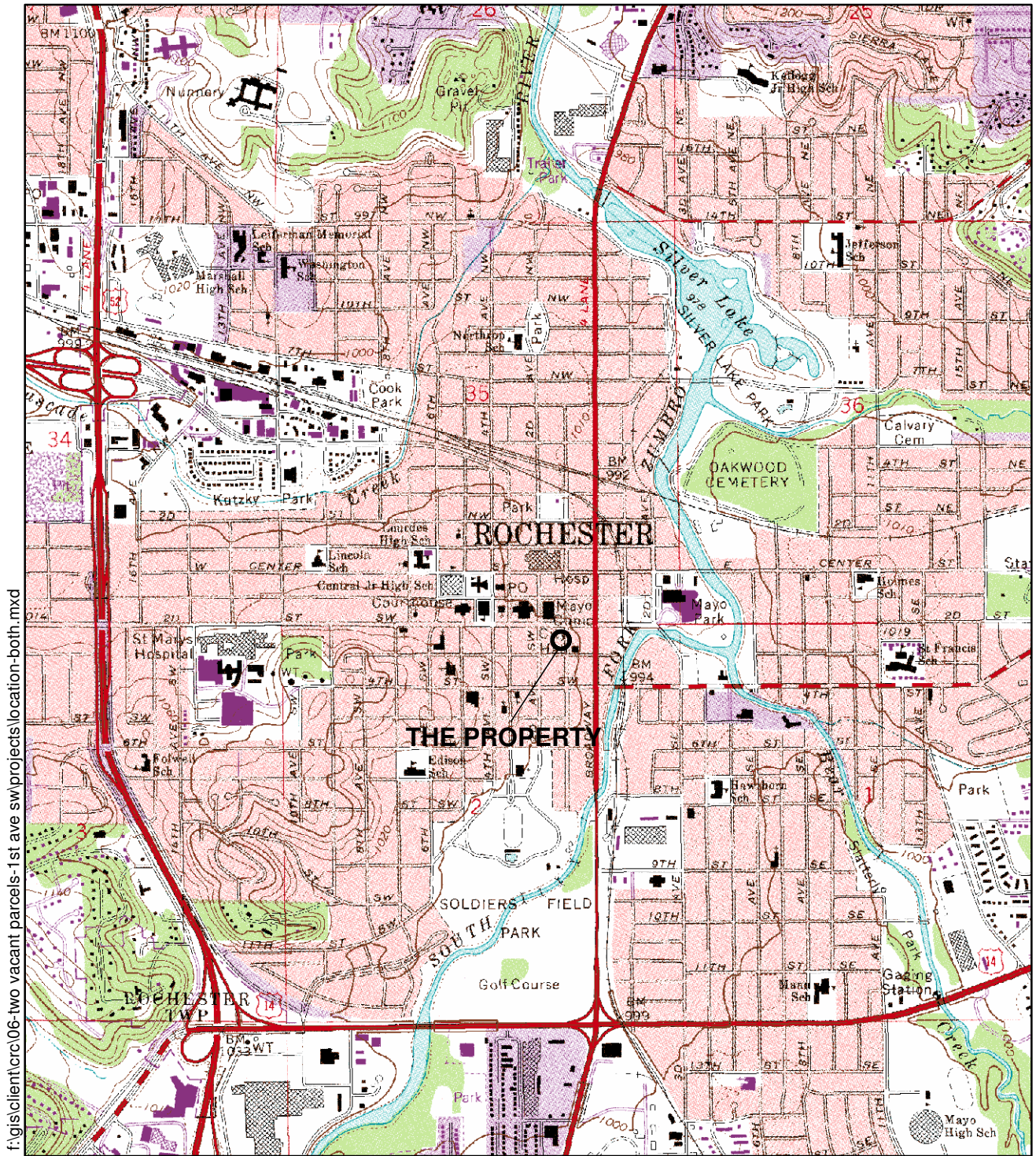
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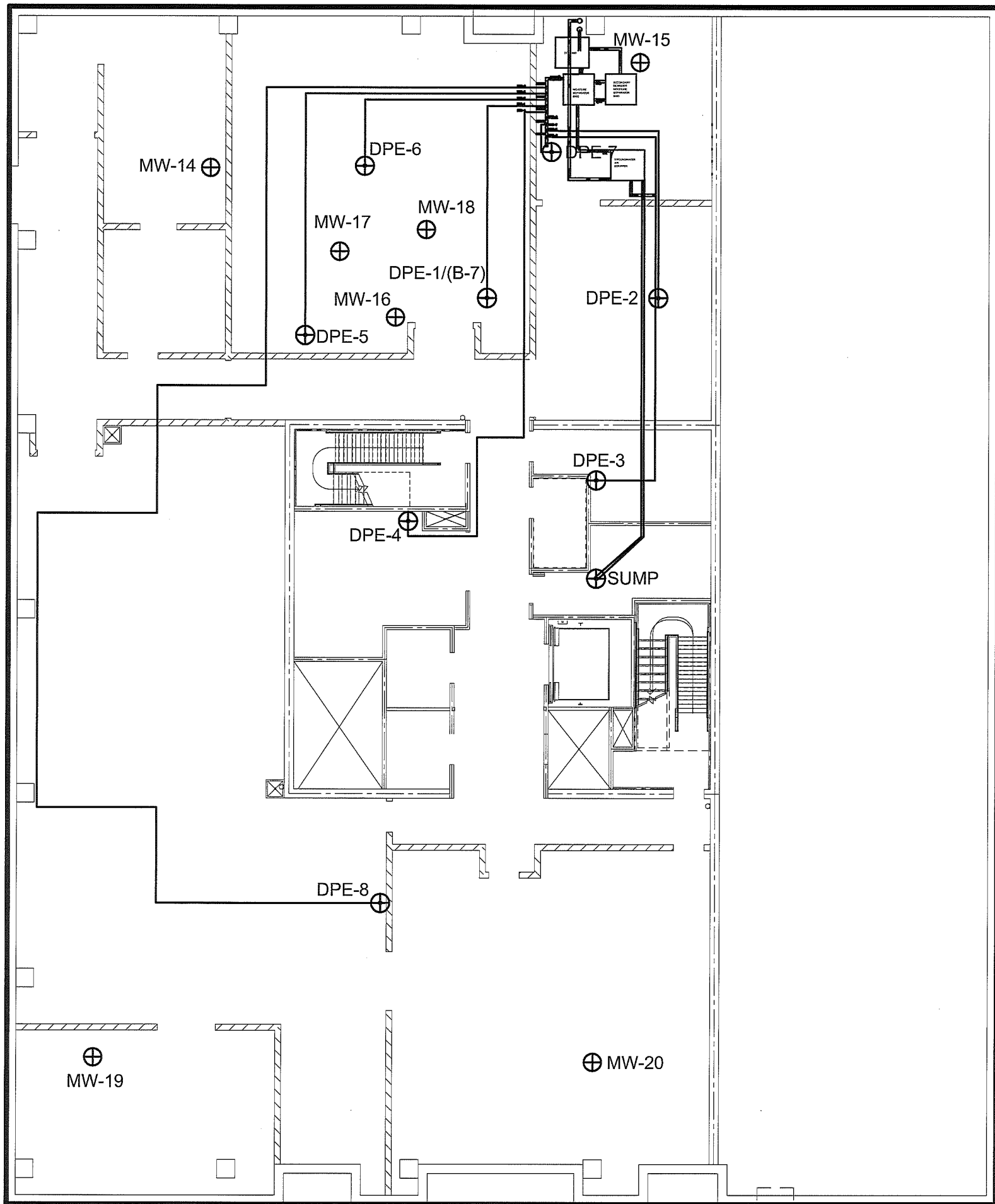
Source: Rochester, Minnesota Topographic Quadrangle, 7.5-Minute Series



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



20 feet
SCALE

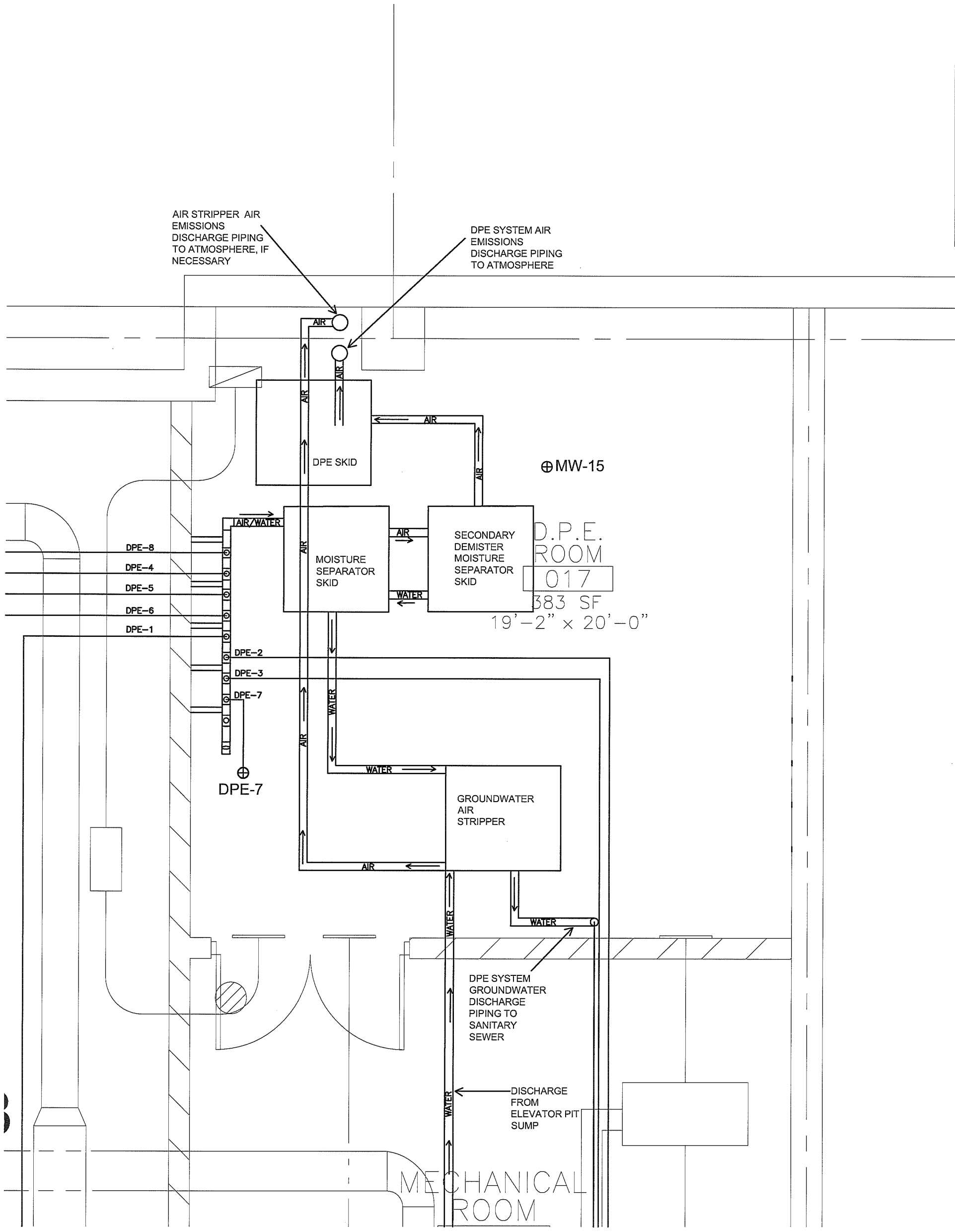
BASE DRAWINGS PROVIDED BY HGA
F:/Projects/CRC/CAD/basement planview\DPE AS Layout.dwg

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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 |



AIR STRIPPER AIR EMISSIONS DISCHARGE PIPING TO ATMOSPHERE, IF NECESSARY

DPE SYSTEM AIR EMISSIONS DISCHARGE PIPING TO ATMOSPHERE

⊕ MW-15

D.P.E. ROOM
017




383 SF
19'-2" x 20'-0"

DPE SYSTEM GROUNDWATER DISCHARGE PIPING TO SANITARY SEWER

DISCHARGE FROM ELEVATOR PIT SUMP

MECHANICAL ROOM

LEGEND

-  Existing DPE Piping Location
-  Proposed Air Emissions Piping Location
-  Proposed Groundwater Discharge Piping Location



1 in = 3 ft
APPROXIMATE SCALE

BASEDRAWINGS PROVIDED BY HGA
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FIGURE 3
DPE ROOM LAYOUT
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

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

FIGURE 4A

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

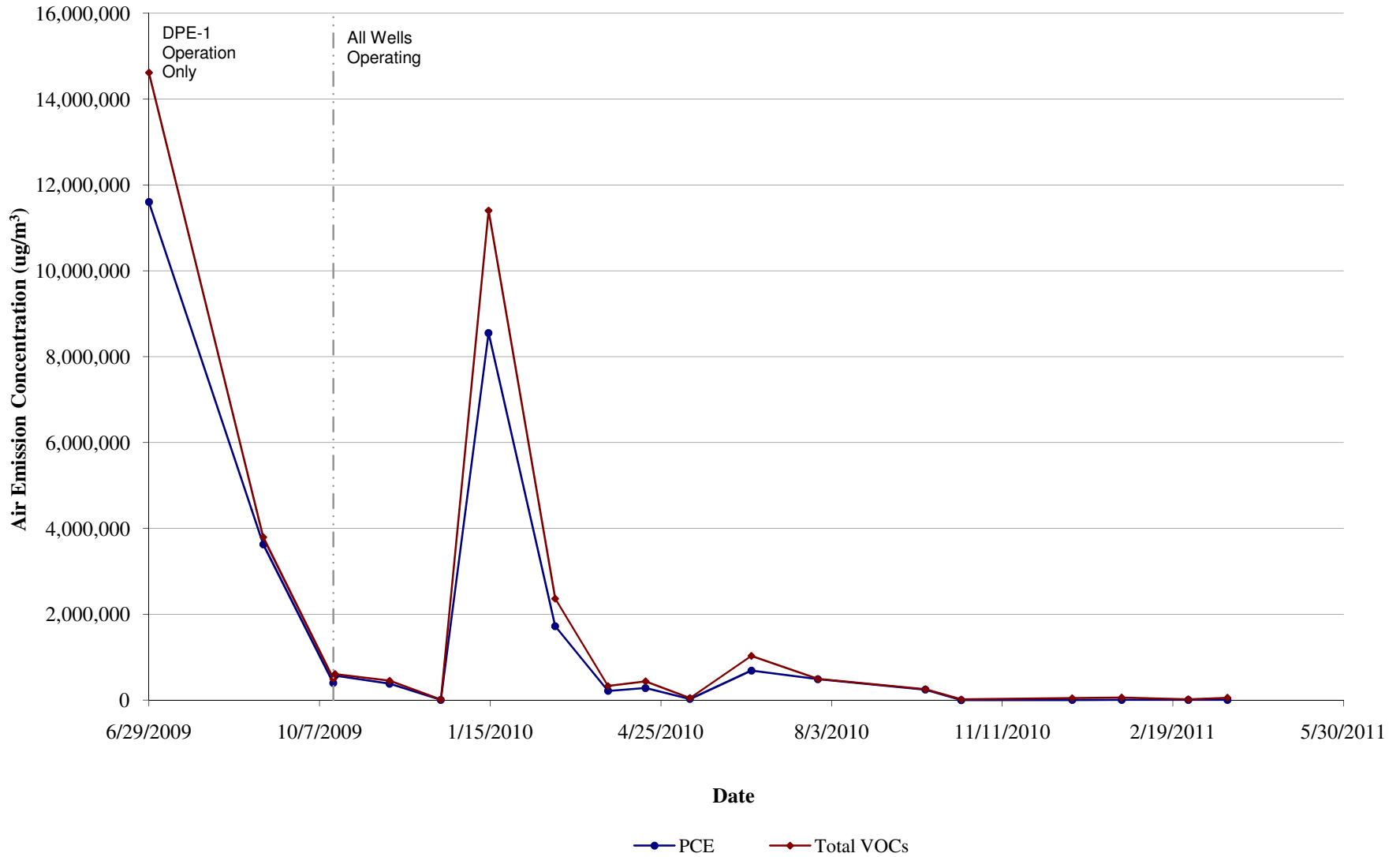


FIGURE 4B

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

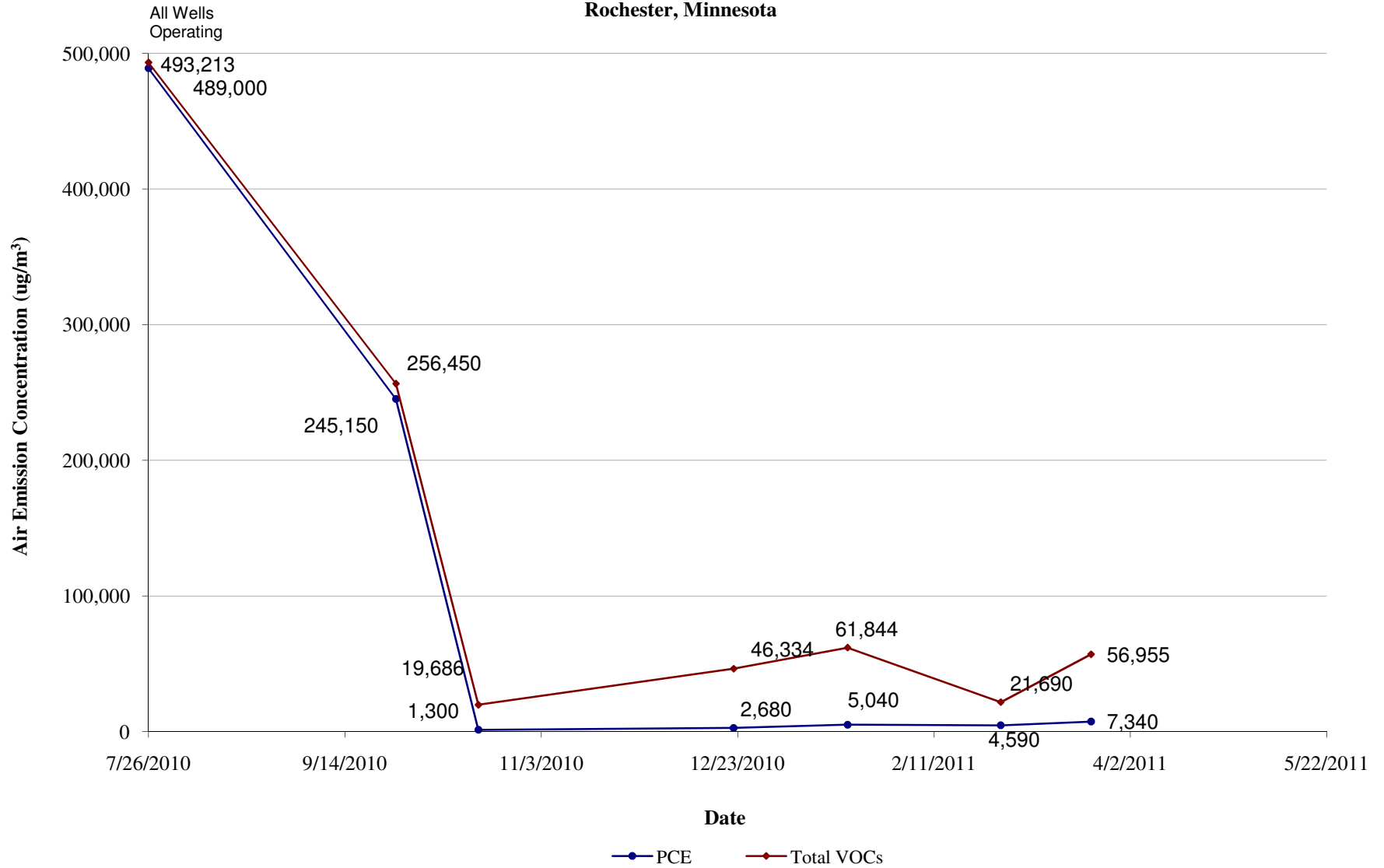


FIGURE 5

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

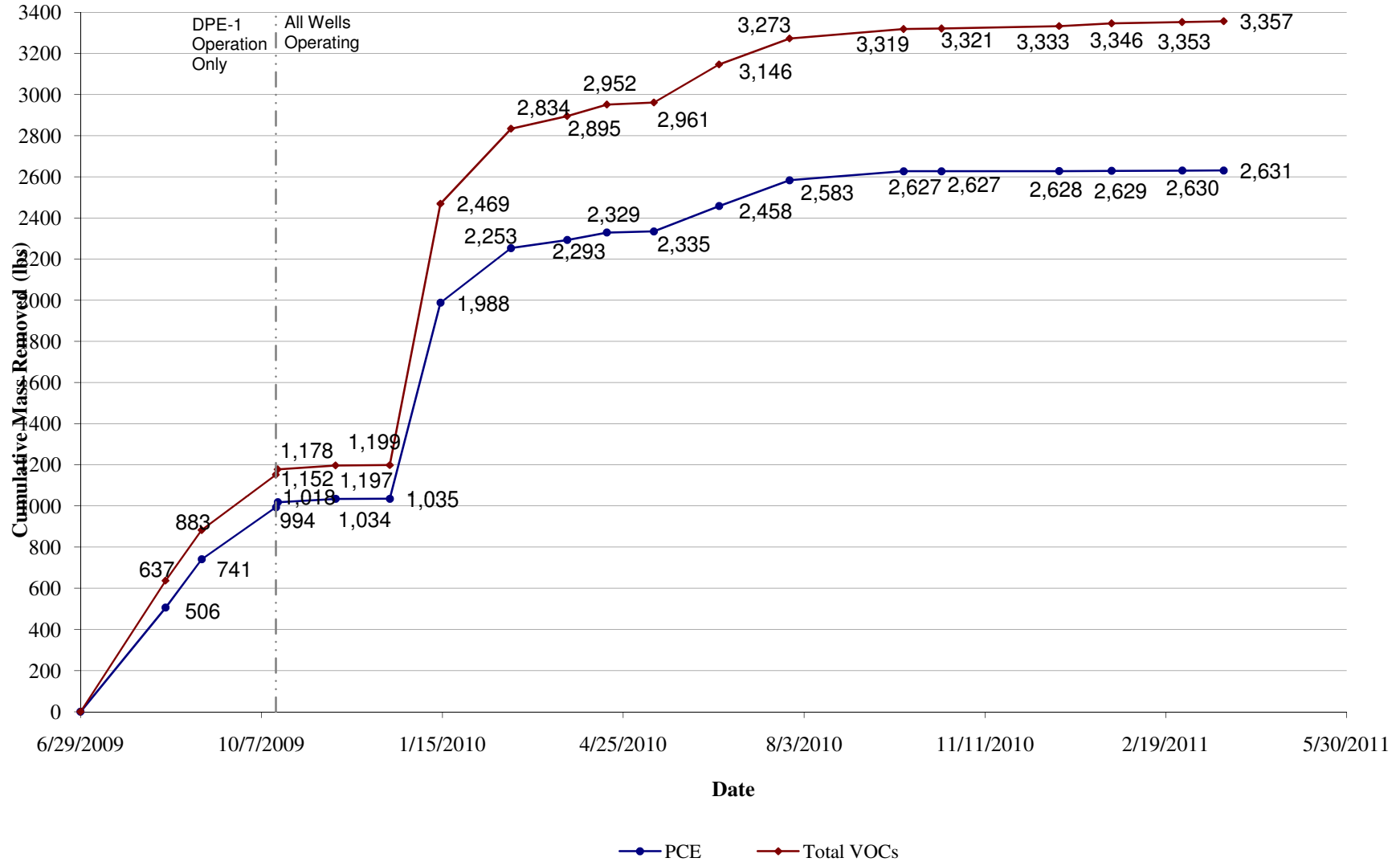


FIGURE 6

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

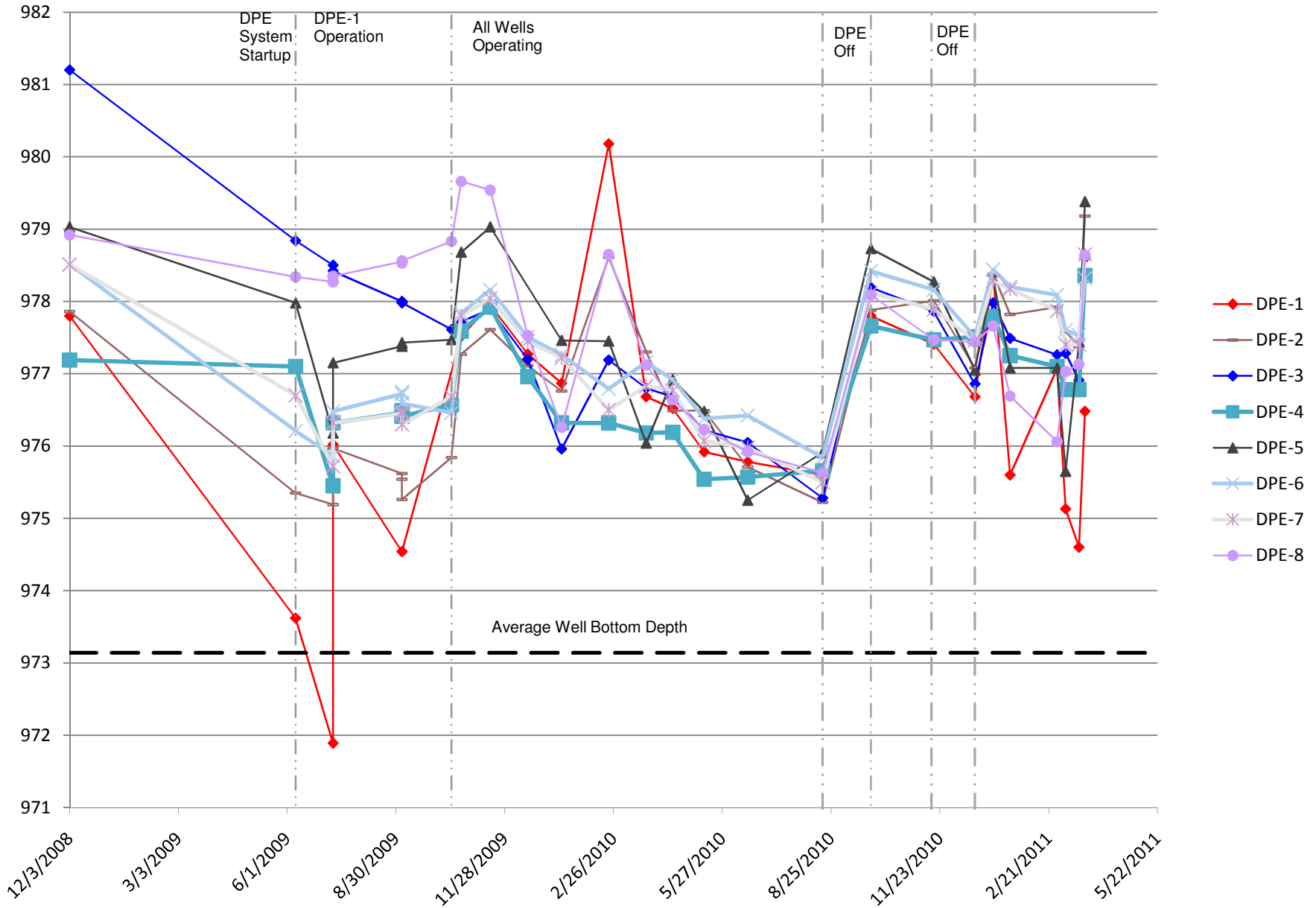
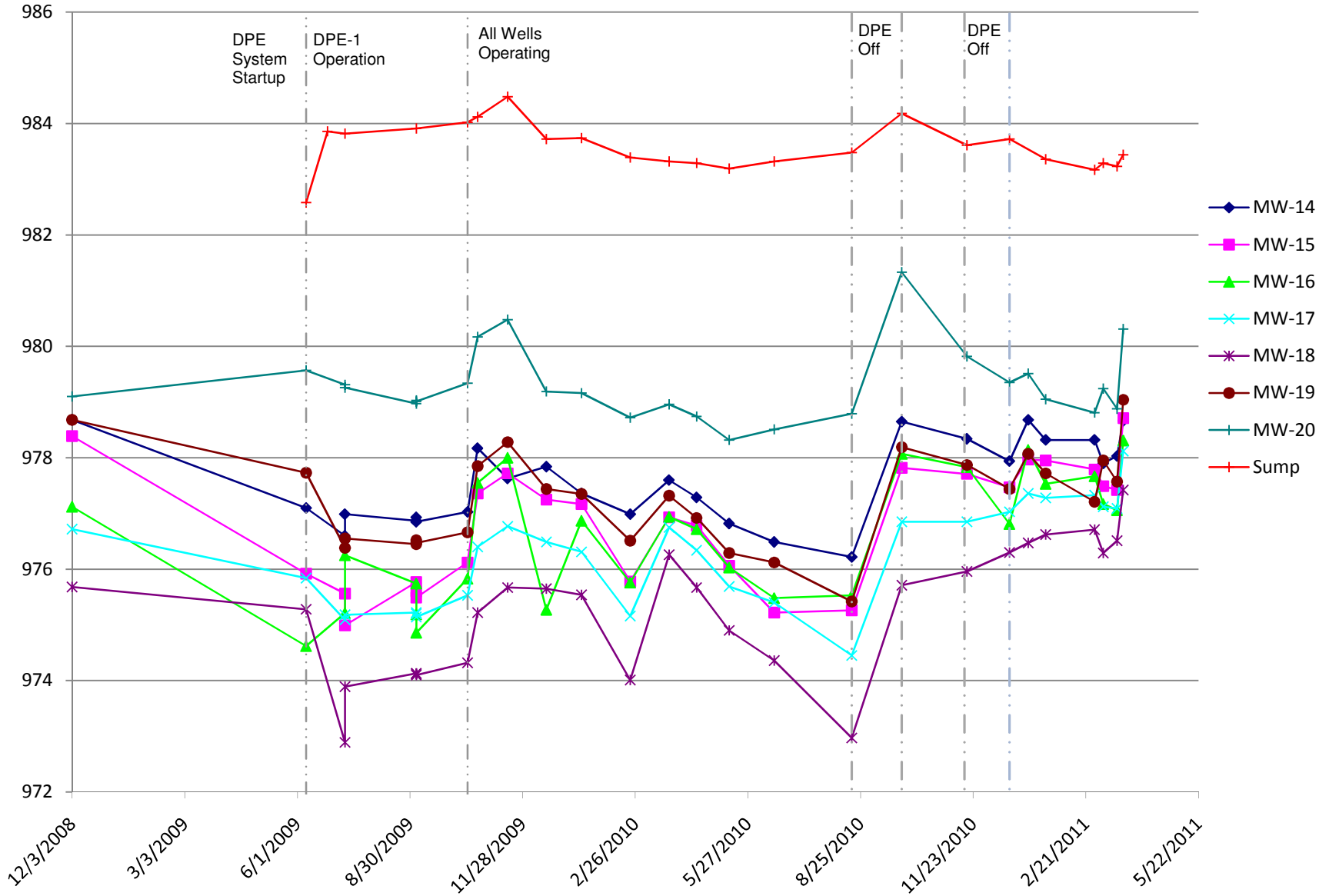
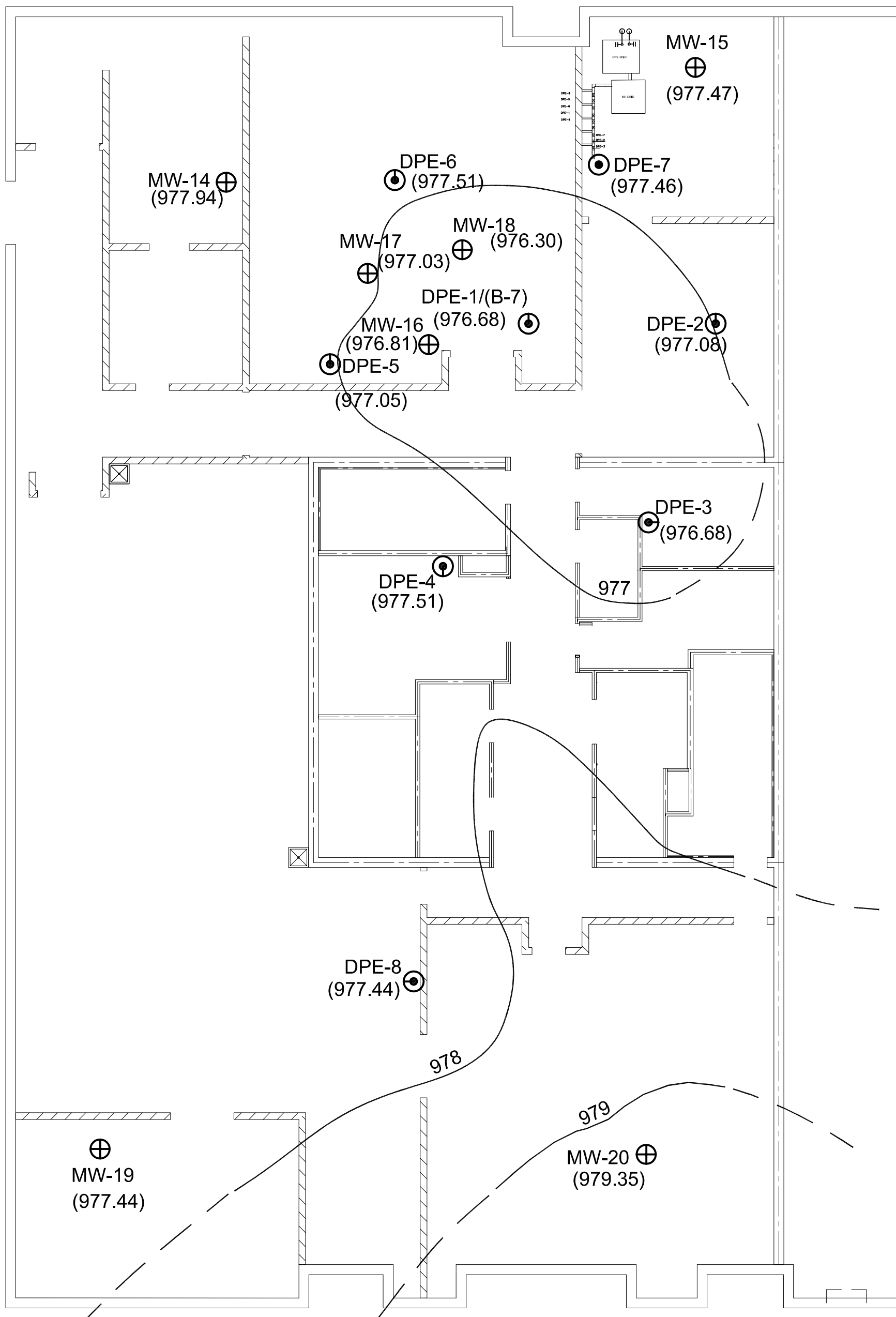


FIGURE 7

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

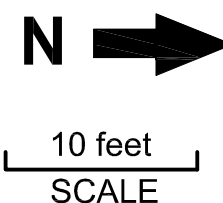




LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location

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



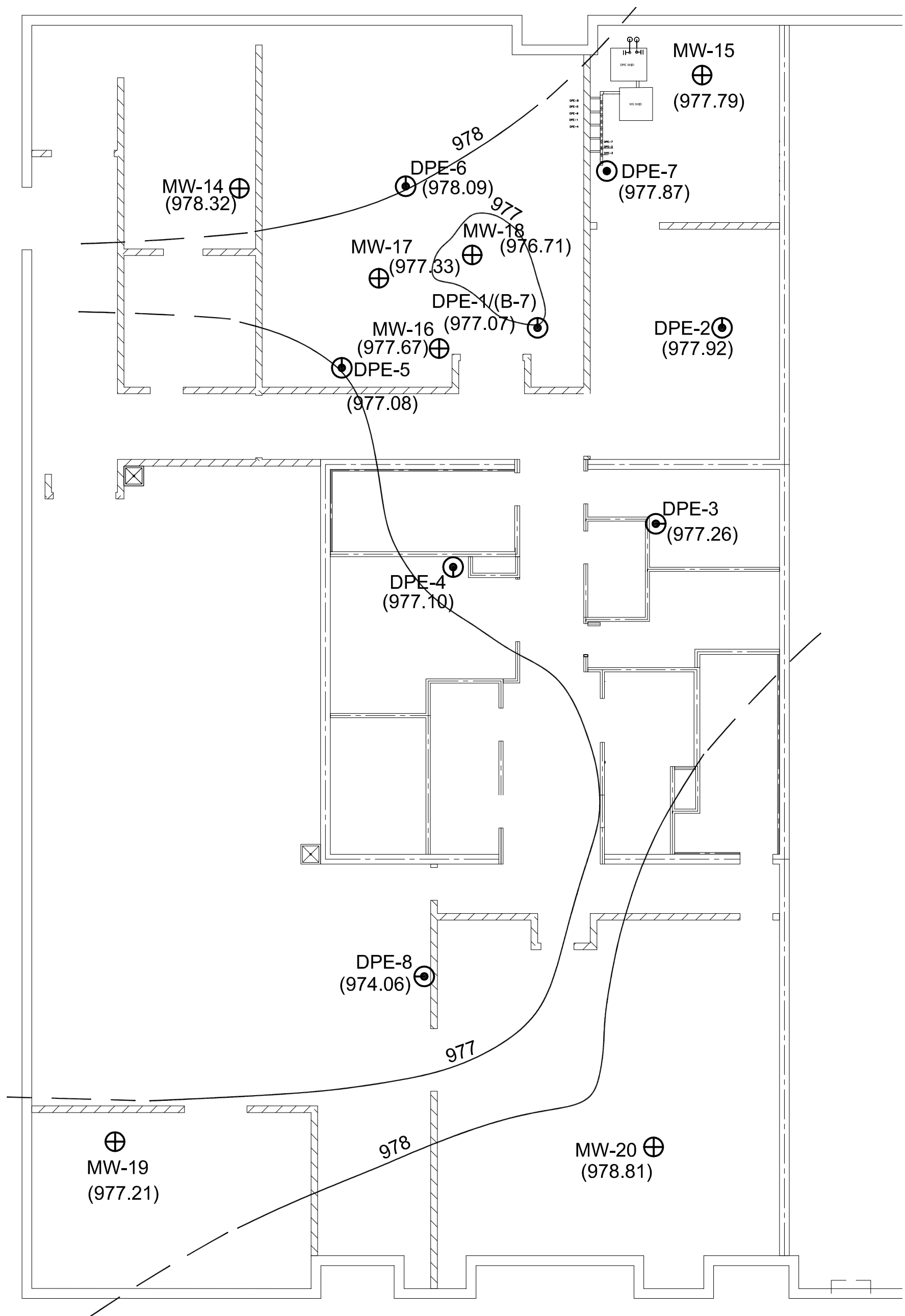
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| Rev | Date | By | Description |
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FIGURE 8A
GROUNDWATER FLOW INTERPRETATION -
DECEMBER 2010
 221 FIRST AVENUE S.W.
 ROCHESTER, MINNESOTA

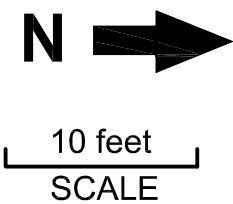
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| Drawing Number: . | Sheet | Of Sheets |



LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location

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



BASE DRAWINGS PROVIDED BY HGA
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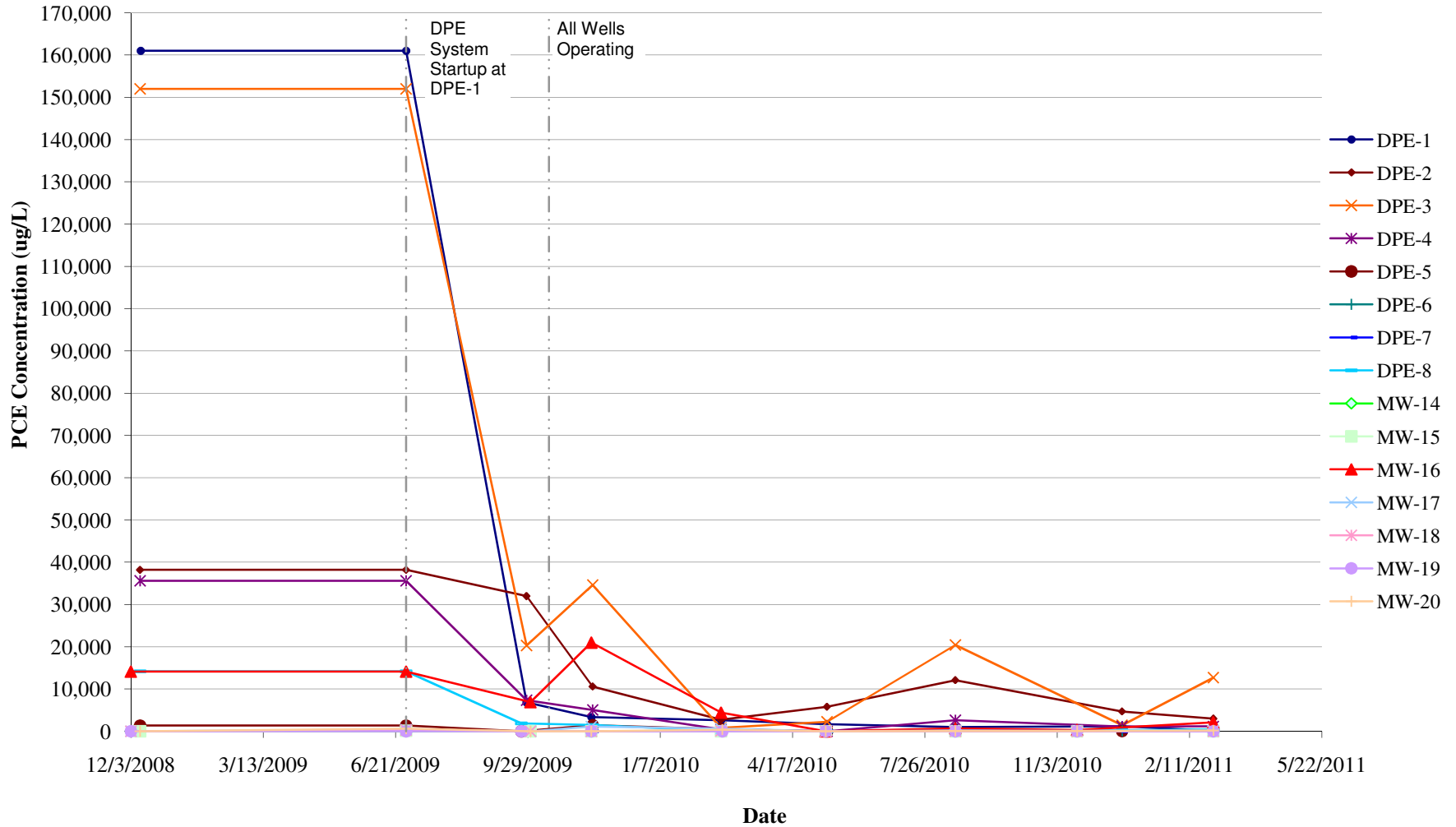
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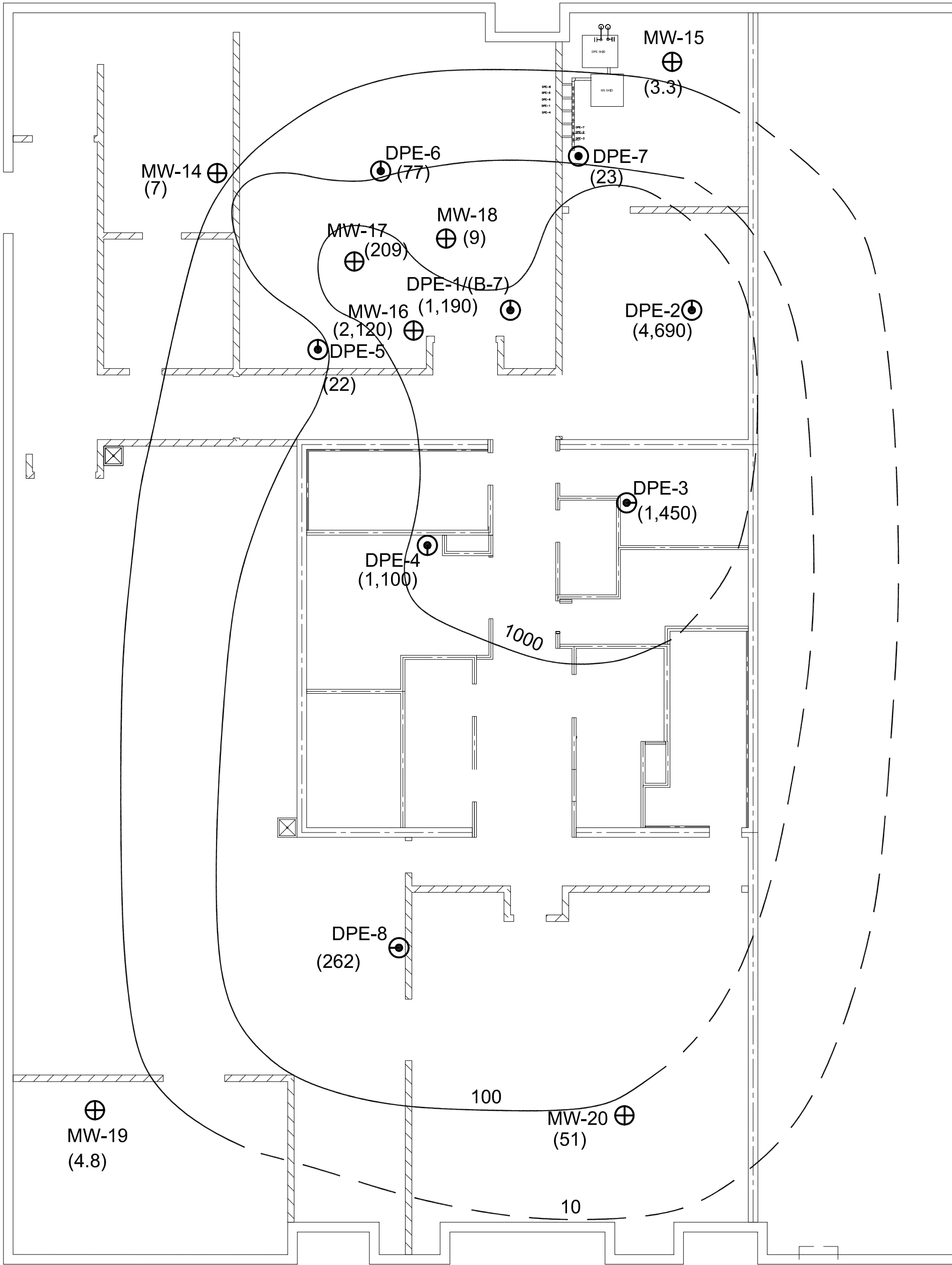
FIGURE 8A
GROUNDWATER FLOW INTERPRETATION -
FEBRUARY - 2011
 221 FIRST AVENUE S.W.
 ROCHESTER, MINNESOTA

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|------------------------------|---------------|---------------|
| Landmark Project Number: CRC | | |
| Drawn: JDS | Checked: JDS | Designed: JDS |
| Scale: . | Date: 4/21/11 | 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

(4.2) PCE Groundwater Concentration (micrograms per liter)

NOTES

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



10 feet
SCALE

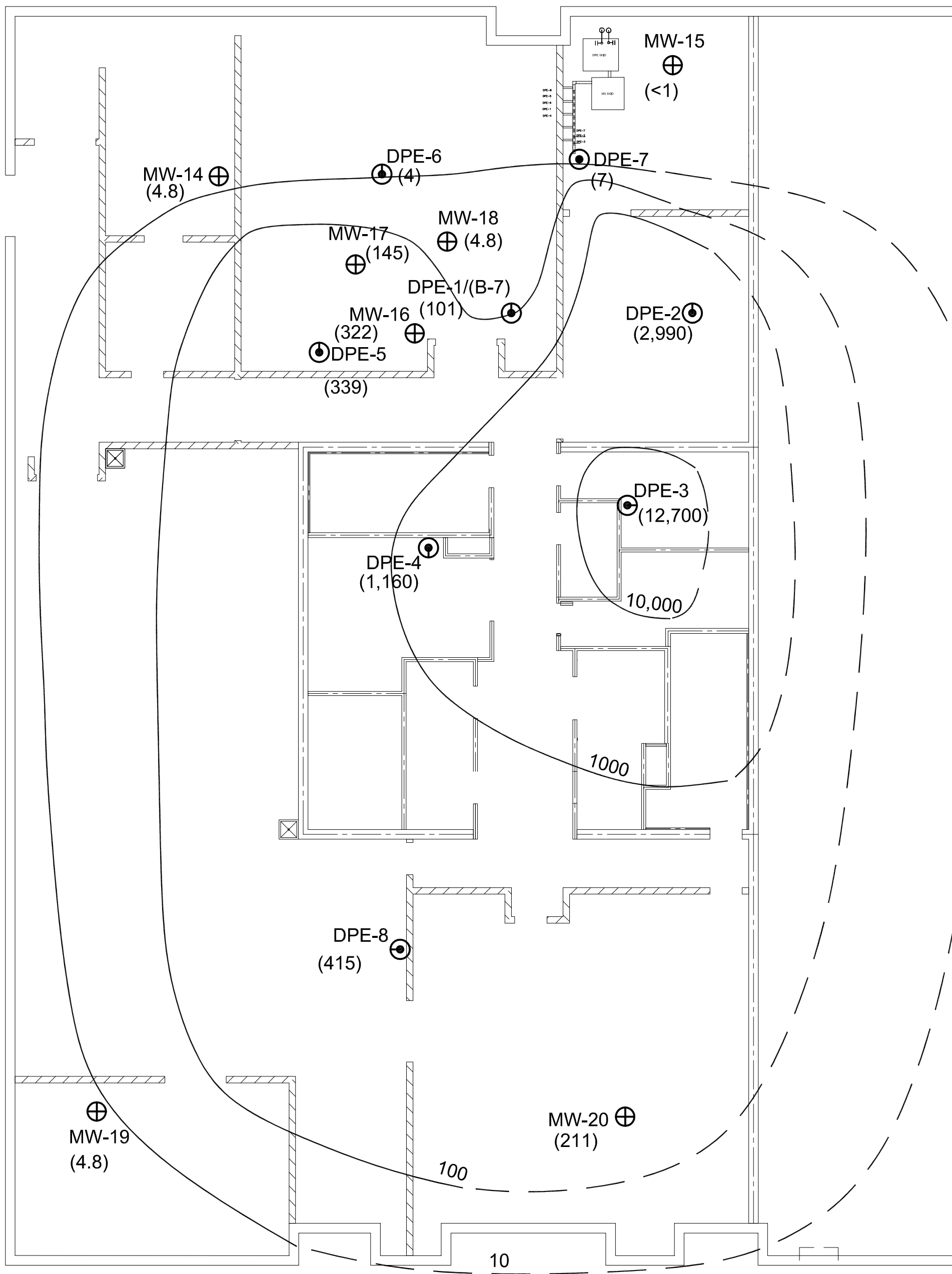
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FIGURE 10A
SHALLOW PCE GROUNDWATER
CONCENTRATION INTERPRETATION
NOVEMBER AND DECEMBER 2010
221 FIRST AVENUE S.W.
ROCHESTER, MINNESOTA

| | | |
|------------------------------|---------------|---------------|
| Landmark Project Number: CRC | | |
| Drawn: JDS | Checked: JDS | Designed: JDS |
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| Drawing Number: | Sheet | Of Sheets |



LEGEND

- ⊙ DPE Well Location
- ⊕ Monitoring Well Location

(4.2) PCE Groundwater Concentration (micrograms per liter)

BASE DRAWINGS PROVIDED BY HGA
 F:/Projects/CRC/CAD/Groundwater Data/20100818 GW Results.dwg

NOTES

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



10 feet
 SCALE

| Rev | Date | By | Description |
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FIGURE 10B
 SHALLOW PCE GROUNDWATER
 CONCENTRATION INTERPRETATION
 MARCH 2011
 221 FIRST AVENUE S.W.
 ROCHESTER, MINNESOTA

| | | |
|------------------------------|---------------|---------------|
| Landmark Project Number: CRC | | |
| Drawn: JDS | Checked: JDS | Designed: JDS |
| Scale: . | Date: 4/21/11 | 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 while 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 and 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 and 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 sensophone sound alarm, and remove sediment from the primary moisture separator (MS1). |

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

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

TABLE 1

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

| Date | Approximate Time | Sensophone Call Received? | Alarm Condition | DPE System Status | Comments |
|-----------|------------------|---------------------------|-----------------|-------------------|--|
| 28-Feb-11 | NA | NA | NA | On | Landmark onsite to conduct monthly system monitoring and sampling event and quarterly groundwater sampling event , change oil in the DPE pump (10,989 hrs), replaced hose from air stripper blower to the tank, fixed DPE-8 leak, put DPE-8 back on line, and installed solenoid valve rebuild kits at DPE-3, 5, and 7. |
| 2-Mar-11 | 13:28 | Y | MS High Level | On/Off | |
| 7-Mar-11 | NA | NA | NA | Off/On | Landmark onsite to replace the coil to DPE-6, clean the moisture separator, clean the moisture separator floats, and put DPE-8 back online. |
| 18-Mar-11 | 13:30 | NA | NA | On/Off | Landmark onsite to repair DPE-8 (possible bonnet gasket pinched), clean the moisture separator floats, replaced transfer pump startor, and troubleshoot constant transfer pump operation. DPE system left off after it was determined that the floats were not operational. |
| 23-Mar-11 | 9:00 | NA | NA | Off/On | Landmark onsite to conduct monthly monitoring and sampling event . Landmark also replaced MS-1 tri-level floats, and changed oil at 11,276 hours. |
| | | | | | |

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 |
| 5/12/2010 | 6/17/2010 | All Wells | 6768 | 860 | 55.6 | 1,032,070 | 184.99 | 3,146.44 | 689,000 | 123.50 | 2458.14 |
| 6/17/2010 | 7/26/2010 | All Wells | 7671 | 903 | 75.6 | 493,213 | 126.21 | 3,272.65 | 489,000 | 125.14 | 2583.28 |
| 7/26/2010 | 9/27/2010 ⁸ | All Wells | 8222 | 551 | 86.8 | 256,450 | 45.98 | 3,318.63 | 245,150 | 43.95 | 2627.23 |
| 9/27/2010 | 10/18/2010 | All Wells | 8662 | 440 | 77.4 | 19,686 | 2.51 | 3,321.14 | 1,300 | 0.17 | 2627.39 |
| 10/18/2010 | 12/22/2010 | All Wells | 9378 | 716 | 94.1 | 46,334 | 11.70 | 3,332.84 | 2,680 | 0.68 | 2628.07 |
| 12/22/2010 | 1/20/2011 | All Wells | 10034 | 656 | 88.0 | 61,844 | 13.38 | 3,346.23 | 5,040 | 1.09 | 2629.16 |
| 1/20/2011 | 2/28/2011 | All Wells | 10969 | 935 | 83.1 | 21,690 | 6.32 | 3,352.55 | 4,590 | 1.34 | 2630.50 |
| 2/28/2011 | 3/23/2011 | All Wells | 11277 | 308 | 64.8 | 56,955 | 4.26 | 3,356.80 | 7,340 | 0.55 | 2631.05 |

Notes:

- 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.
- 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.
- 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.
- The flow rate used for the 10/15/09 calculations was from operation at DPE-1.
- 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.
- The flow rates used after 1/14/10 were averaged from the flow rates from each well during sequential operation of all DPE wells.
- 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 1186 | DPE EXHAUST 0798 | DPE EXHAUST 1513 | DPE EXHAUST 0224 | DPE EXHAUST 0965 | DPE EXHAUST 0096 | DPE EXHAUST 764 |
|--------------------------------|------------------|------------------|------------------|------------------|------------------|-------------------------------|-----------------|
| Wells Operating | All DPE Wells | All DPE Wells | All DPE Wells | All DPE Wells | All DPE Wells | All DPE Wells | All DPE Wells |
| Sample Collection Method | 6-hr Composite | 6-hr Composite | 6-hr Composite | 6-hr Composite | 6-hr Composite | 1/2-hr Composite ¹ | 6-hr Composite |
| Collected Date | 3/23/2011 | 2/28/2011 | 1/20/2011 | 12/23/2010 | 10/18/2010 | 9/27/2010 | 7/26/2010 |
| 1,1,1-Trichloroethane | <39.6 | <140 | 20.8 | 45.6 | <146 | <2.3 | <79.2 |
| 1,1,2,2-Tetrachloroethane | <50.4 | <88.8 | <2.2 | <46.5 | <186 | <3.0 | <101 |
| 1,1,2-Trichloroethane | <39.6 | <70.0 | <1.7 | <36.5 | <146 | <2.3 | <79.2 |
| 1,1,2-Trichlorotrifluoroethane | 49,100 | 17,100 | 56,200 | 42,700 | 16,300 | 9.2 | 3,720 |
| 1,1-Dichloroethane | <29.5 | <104 | <1.3 | <27.2 | <109 | <1.7 | <59.0 |
| 1,1-Dichloroethene | <29.2 | <103 | <1.3 | <26.9 | <108 | <1.7 | <58.3 |
| 1,2,4-Trichlorobenzene | <35.6 | <126 | <1.6 | <32.9 | <131 | <2.1 | <71.3 |
| 1,2,4-Trimethylbenzene | <36.0 | <127 | 3.3 | <33.2 | 153 | <5.3 | <180 |
| 1,2-Dibromoethane (EDB) | <57.6 | <204 | <2.5 | <53.1 | <212 | <3.4 | <115 |
| 1,2-Dichlorobenzene | <43.2 | <153 | <1.9 | <39.8 | <159 | <2.6 | <86.4 |
| 1,2-Dichloroethane | <29.5 | <52.2 | <1.3 | <27.2 | <109 | <1.7 | <59.0 |
| 1,2-Dichloropropane | <33.8 | <120 | <1.5 | <31.2 | <125 | <2.0 | <67.7 |
| 1,3,5-Trimethylbenzene | <36.0 | <127 | <1.6 | <33.2 | <133 | <5.3 | <180 |
| 1,3-Butadiene | <16.2 | <57.2 | <0.72 | <14.9 | <59.8 | <0.96 | <32.4 |
| 1,3-Dichlorobenzene | <43.2 | <153 | <1.9 | <39.8 | <159 | <2.6 | <86.4 |
| 1,4-Dichlorobenzene | <43.2 | <153 | <1.9 | <39.8 | <159 | <2.6 | <86.4 |
| 2-Butanone (MEK) | <21.6 | <76.3 | 41.4 | 26.9 | 1,120 | 12.1 | <43.2 |
| 2-Hexanone | <29.9 | <106 | <1.3 | <27.6 | <110 | <1.8 | <59.8 |
| 2-Propanol | <90.0 | <318 | 21.9 | <83.0 | 484 | 9.6 | <180 |
| 4-Ethyltoluene | <90.0 | <318 | <4.0 | <83.0 | <332 | <5.3 | <180 |
| 4-Methyl-2-pentanone (MIBK) | <29.9 | <106 | 8.3 | <27.6 | <110 | <1.8 | <59.8 |
| Acetone | 25.4 | <61.1 | 29.0 | 78.0 | 227 | 53.9 | 74.8 |
| Benzene | <23.4 | <41.3 | <1.0 | <21.6 | <86.3 | <1.4 | <46.8 |
| Benzyl chloride | <37.8 | <134 | <1.7 | <34.9 | <139 | <2.2 | <1210 |
| Bromodichloromethane | <50.4 | <178 | <2.2 | <46.5 | <186 | <3.0 | <101 |
| Bromoform | <75.6 | <267 | <3.3 | <69.7 | <279 | <4.5 | <151 |
| Bromomethane | <28.4 | <100 | <1.3 | <26.2 | <105 | <1.7 | <56.9 |
| Carbon disulfide | <22.7 | <80.1 | <1.0 | <20.9 | <83.7 | <1.3 | <45.4 |
| Carbon tetrachloride | <46.8 | <81.4 | <2.1 | <43.2 | <173 | <2.8 | <93.6 |
| Chlorobenzene | <33.8 | <120 | <1.5 | <31.2 | <125 | <2.0 | <67.7 |
| Chloroethane | <19.4 | <68.7 | <0.86 | <17.9 | <71.7 | <1.2 | <38.9 |
| Chloroform | <35.6 | <126 | 4.9 | <32.9 | <131 | <2.1 | <71.3 |
| Chloromethane | <15.1 | <53.4 | <0.67 | <13.9 | <55.8 | 1.2 | <30.2 |
| cis-1,2-Dichloroethene | <29.2 | <103 | 36.3 | 77.3 | <108 | <1.7 | 272 |
| cis-1,3-Dichloropropene | <33.1 | <117 | <1.5 | <30.5 | <122 | <2.0 | <66.2 |
| Cyclohexane | <24.5 | <86.5 | <1.1 | <22.6 | <90.3 | <1.4 | <49.0 |
| Dibromochloromethane | <61.2 | <216 | <2.7 | <56.4 | <226 | <3.6 | <122 |
| Dichlorodifluoromethane | <36.0 | <127 | <1.6 | <33.2 | <133 | 2.6 | <72.0 |
| Dichlorotetrafluoroethane | <50.4 | <178 | <2.2 | <46.5 | <186 | <3.0 | <101 |
| Ethanol | 139 | <242 | 286 | 726 | <252 | 48.3 | <2190 |
| Ethyl acetate | <26.3 | <92.9 | 3.4 | <24.2 | <96.9 | <1.6 | <52.6 |
| Ethylbenzene | <31.7 | <112 | 2.0 | <29.2 | <117 | <1.9 | <63.4 |
| Hexachloro-1,3-butadiene | <79.2 | <280 | <3.5 | <73.0 | <292 | <4.7 | <158 |
| m&p-Xylene | <63.4 | <224 | 6.9 | <58.4 | <234 | <3.7 | <127 |
| Methylene Chloride | 310 | <90.3 | 101 | <23.6 | <94.3 | 294 | <51.1 |
| Methyl-tert-butyl ether | <26.3 | <92.9 | <1.2 | <24.2 | <96.9 | <1.6 | <52.6 |
| Naphthalene | <97.2 | <343 | <4.3 | <89.6 | <359 | <5.8 | <194 |
| n-Heptane | <29.9 | <106 | <1.3 | <27.6 | <110 | <1.8 | <59.8 |
| n-Hexane | 40.9 | <91.6 | <1.1 | <23.9 | <95.6 | 45.9 | <51.8 |
| o-Xylene | <31.7 | <112 | 5.8 | <29.2 | <117 | <1.9 | <63.4 |
| Propylene | <12.6 | <44.5 | <0.56 | <11.6 | <46.5 | 1.3 | <25.2 |
| Styrene | <31.3 | <111 | <1.4 | <28.9 | <116 | <1.9 | <62.6 |
| Tetrachloroethene | 7,340 | 4,590 | 5,040 | 2,680 | 1,300 | 6.5 | 489,000 |
| Tetrahydrofuran | <21.6 | <76.3 | 6.3 | <19.9 | <79.7 | <1.3 | 45.3 |
| Toluene | <27.7 | <97.9 | 12.3 | <25.6 | 102 | 21.2 | <55.4 |
| trans-1,2-Dichloroethene | <29.2 | <103 | <1.3 | <26.9 | <108 | <1.7 | <58.3 |
| trans-1,3-Dichloropropene | <33.1 | <117 | <1.5 | <30.5 | <122 | <2.0 | <66.2 |
| Trichloroethene | <39.6 | <70.0 | 14.8 | <36.5 | <146 | 42.3 | 101 |
| Trichlorofluoromethane | <39.6 | <140 | <1.7 | <36.5 | <146 | <2.3 | <79.2 |
| Vinyl acetate | <25.6 | <90.3 | <1.1 | <23.6 | <94.3 | <1.5 | <51.1 |
| Vinyl chloride | <18.7 | <33.1 | <0.83 | <17.3 | <69.1 | <1.1 | <37.4 |
| Total VOCs | 56,955 | 21,690 | 61,844 | 46,334 | 19,686 | 548 | 493,213 |

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

Bold: parameter detected above the reporting limit.

NA: Not Analyzed.

TABLE 3

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

| Sample ID | DPE EXHAUST 1248 | DPE EXHAUST 764 | DPE EXHAUST 726 | DPE EXHAUST 1316 | DPE EXHAUST 1037 | DPE OUTLET 1042 |
|--------------------------------|------------------|-----------------|-----------------|------------------|------------------|-------------------|
| 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 | 6/17/2010 | 5/12/2010 | 4/16/2010 | 3/25/2010 | 2/22/2010 | 1/14/2010 |
| 1,1,1-Trichloroethane | <760 | 12.9 | ND | 30.7 | 61 | ND |
| 1,1,2,2-Tetrachloroethane | <968 | <2.7 | ND | <2.5 | ND | ND |
| 1,1,2-Trichloroethane | <760 | <2.1 | ND | <2.0 | ND | ND |
| 1,1,2-Trichlorotrifluoroethane | 342,000 | 21,900 | 153,000 | 115,000 | 644,000 | 2,720,000 |
| 1,1-Dichloroethane | <567 | <1.6 | ND | <1.5 | ND | ND |
| 1,1-Dichloroethene | <560 | <1.6 | ND | 3.0 | 7.66 | ND |
| 1,2,4-Trichlorobenzene | <684 | <1.9 | ND | <1.8 | ND | ND |
| 1,2,4-Trimethylbenzene | <1730 | <4.8 | ND | 12.8 | ND | ND |
| 1,2-Dibromoethane (EDB) | <1110 | <3.1 | ND | <2.9 | ND | ND |
| 1,2-Dichlorobenzene | <829 | 5.5 | ND | <2.2 | ND | ND |
| 1,2-Dichloroethane | <567 | <1.6 | ND | <1.5 | ND | ND |
| 1,2-Dichloropropane | <650 | 2.5 | ND | <1.7 | 7.05 | ND |
| 1,3,5-Trimethylbenzene | <1730 | <4.8 | ND | <4.5 | ND | ND |
| 1,3-Butadiene | <311 | <0.87 | ND | <0.81 | ND | ND |
| 1,3-Dichlorobenzene | <829 | <2.3 | ND | <2.2 | ND | ND |
| 1,4-Dichlorobenzene | <829 | 3.7 | ND | <2.2 | ND | ND |
| 2-Butanone (MEK) | <415 | 18.0 | ND | 44.2 | 12.9 | ND |
| 2-Hexanone | <574 | <1.6 | ND | <1.5 | ND | ND |
| 2-Propanol | <1730 | 7.9 | ND | 19.0 | NA | NA |
| 4-Ethyltoluene | <1730 | <4.8 | ND | <4.5 | ND | ND |
| 4-Methyl-2-pentanone (MIBK) | <574 | <1.6 | ND | <1.5 | ND | ND |
| Acetone | <332 | 509 | ND | 163 | 84.5 | 76,800 |
| Benzene | <449 | <1.3 | ND | <1.2 | ND | ND |
| Benzyl chloride | <726 | <2.0 | ND | <1.9 | NA | NA |
| Bromodichloromethane | <968 | <2.7 | ND | <2.5 | ND | ND |
| Bromoform | <1450 | <4.1 | ND | <3.8 | ND | ND |
| Bromomethane | <546 | <1.5 | ND | <1.4 | ND | ND |
| Carbon disulfide | <435 | 7.7 | ND | 1.3 | ND | ND |
| Carbon tetrachloride | <899 | <2.5 | ND | <2.3 | ND | ND |
| Chlorobenzene | <650 | 3.1 | ND | <1.7 | ND | ND |
| Chloroethane | <373 | <1.0 | ND | <0.97 | ND | ND |
| Chloroform | <684 | 4.9 | ND | 11.3 | 15.4 | ND |
| Chloromethane | <290 | 9.6 | ND | <0.76 | ND | ND |
| cis-1,2-Dichloroethene | 1,070 | 33.6 | ND | 80.2 | 198 | ND |
| cis-1,3-Dichloropropene | <636 | <1.8 | ND | <1.7 | ND | ND |
| Cyclohexane | <470 | 3.7 | ND | 2.2 | 14.3 | ND |
| Dibromochloromethane | <1180 | <3.3 | ND | <3.1 | ND | ND |
| Dichlorodifluoromethane | <691 | 4.1 | ND | 11.0 | ND | ND |
| Dichlorotetrafluoroethane | <968 | <2.7 | ND | <2.5 | ND | ND |
| Ethanol | <1310 | 67.3 | ND | 26.1 | NA | NA |
| Ethyl acetate | <505 | <1.4 | ND | <1.3 | ND | ND |
| Ethylbenzene | <608 | <1.7 | ND | 118 | ND | ND |
| Hexachloro-1,3-butadiene | <1520 | <4.2 | ND | <4.0 | ND | ND |
| m&p-Xylene | <1220 | 5.1 | ND | 456 | ND | ND |
| Methylene Chloride | <491 | <1.4 | ND | <1.3 | ND | ND |
| Methyl-tert-butyl ether | <505 | <1.4 | ND | <1.3 | ND | ND |
| Naphthalene | <1870 | <5.2 | ND | <4.9 | NA | NA |
| n-Heptane | <574 | 2.0 | ND | 2.7 | ND | ND |
| n-Hexane | <498 | <1.4 | ND | 4.7 | 135 | ND |
| o-Xylene | <608 | 1.8 | ND | 159 | ND | ND |
| Propylene | <242 | <0.68 | ND | <0.63 | ND | ND |
| Styrene | <601 | <1.7 | ND | <1.6 | ND | ND |
| Tetrachloroethene | 689,000 | 27,900 | 282,000 | 215,000 | 1,720,000 | 8,550,000 |
| Tetrahydrofuran | <415 | 15.0 | ND | 58.0 | 45.6 | 56,400 |
| Toluene | <532 | 8.0 | ND | 28.4 | 124 | ND |
| trans-1,2-Dichloroethene | <560 | <1.6 | ND | <1.5 | ND | ND |
| trans-1,3-Dichloropropene | <636 | <1.8 | ND | <1.7 | ND | ND |
| Trichloroethene | <760 | 24.5 | 3,730 | 43.7 | 116 | ND |
| Trichlorofluoromethane | <760 | <2.1 | ND | <2.0 | ND | ND |
| Vinyl acetate | <491 | 3.0 | ND | 8.9 | ND | ND |
| Vinyl chloride | <359 | <1.0 | ND | <0.94 | ND | ND |
| Total VOCs | 1,032,070 | 50,553 | 438,730 | 331,284 | 2,364,821 | 11,403,200 |

1. Flow controller failed on 9/27/10; however
Bold: parameter detected above the report
 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 0903 | DPE-OUTLET 1254 | DPE- EFFLUENT 531 | DPE- EFFLUENT 253 | DPE - EFFLUENT 0680 | DPE EXHAUST 842 |
|--------------------------------|--------------------|--------------------|-------------------------|-------------------------|---------------------------|--------------------|
| Wells Operating | All DPE Wells | All DPE Wells | All DPE Wells | DPE-1 | DPE-1 | DPE-1 |
| Sample Collection Method | 6-hr Composite | 6-hr Composite | 6-hr Composite | Grab | Grab | Grab |
| Collected Date | 12/17/2009 | 11/17/2009 | 10/16/2009 | 10/15/2009 | 9/4/2009 | 4/9/2009 |
| 1,1,1-Trichloroethane | 23.9 | ND | 81.7 | 4.2 | 127 | 4,450 |
| 1,1,2,2-Tetrachloroethane | ND | ND | <2.2 | <2.1 | <2.1 | <2480 |
| 1,1,2-Trichloroethane | ND | ND | <1.7 | <1.6 | <1.6 | <1950 |
| 1,1,2-Trichlorotrifluoroethane | 4,440 | 72,100 | 172 | 97,900 | 153,000 | 2,940,000 |
| 1,1-Dichloroethane | ND | ND | <1.3 | <1.2 | <1.2 | <1450 |
| 1,1-Dichloroethene | ND | ND | 13.9 | <1.2 | 15.0 | <1440 |
| 1,2,4-Trichlorobenzene | ND | ND | <1.5 | <1.5 | <1.5 | <1760 |
| 1,2,4-Trimethylbenzene | ND | ND | <3.8 | <3.7 | 10.2 | <4440 |
| 1,2-Dibromoethane (EDB) | ND | ND | <2.5 | <2.4 | <2.4 | <2840 |
| 1,2-Dichlorobenzene | ND | ND | <1.8 | <1.8 | <1.8 | <2130 |
| 1,2-Dichloroethane | ND | ND | <1.3 | <1.2 | <1.2 | <1450 |
| 1,2-Dichloropropane | ND | ND | <1.4 | <1.4 | <1.4 | <1670 |
| 1,3,5-Trimethylbenzene | ND | ND | <3.8 | <3.7 | 5.0 | <4440 |
| 1,3-Butadiene | ND | ND | <0.69 | <0.67 | <0.67 | <798 |
| 1,3-Dichlorobenzene | ND | ND | <1.8 | <1.8 | 6.0 | <2130 |
| 1,4-Dichlorobenzene | ND | ND | <1.8 | <1.8 | 8.6 | <2130 |
| 2-Butanone (MEK) | ND | ND | 12.2 | <0.89 | 15.8 | <1060 |
| 2-Hexanone | ND | ND | <1.3 | <1.2 | <1.2 | <1470 |
| 2-Propanol | NA | NA | 4.9 | <3.7 | <3.7 | <4440 |
| 4-Ethyltoluene | ND | ND | <3.8 | <3.7 | 6.0 | <4440 |
| 4-Methyl-2-pentanone (MIBK) | ND | ND | <1.3 | <1.2 | <1.2 | <1470 |
| Acetone | 126 | 116 | 37,000 | 501 | 7,510 | <852 |
| Benzene | 16.2 | ND | 1.1 | 1.5 | 2.3 | <1150 |
| Benzyl chloride | NA | NA | NA | NA | NA | NA |
| Bromodichloromethane | ND | ND | <2.2 | <2.1 | <2.1 | <2480 |
| Bromoform | ND | ND | <3.2 | <3.1 | <3.1 | <3730 |
| Bromomethane | ND | ND | <1.2 | <1.2 | <1.2 | <1400 |
| Carbon disulfide | ND | ND | <0.97 | <0.93 | 5.9 | <1120 |
| Carbon tetrachloride | ND | ND | <2.0 | <1.9 | <1.9 | <2310 |
| Chlorobenzene | ND | ND | <1.4 | <1.4 | <1.4 | <1670 |
| Chloroethane | ND | ND | <0.83 | <0.80 | <0.80 | <958 |
| Chloroform | ND | ND | 25.8 | <1.5 | 21.5 | <1760 |
| Chloromethane | ND | ND | <0.65 | <0.62 | <0.62 | <745 |
| cis-1,2-Dichloroethene | 47.2 | 118 | 257 | 21.5 | 2,620 | 36,300 |
| cis-1,3-Dichloropropene | ND | ND | <1.4 | <1.4 | <1.4 | <1630 |
| Cyclohexane | 766 | ND | <1.0 | <1.0 | 3.5 | <1210 |
| Dibromochloromethane | ND | ND | <2.6 | <2.5 | <2.5 | <3020 |
| Dichlorodifluoromethane | ND | ND | <1.5 | 2.8 | <1.5 | 2,230 |
| Dichlorotetrafluoroethane | ND | ND | <2.2 | <2.1 | <2.1 | 3,400 |
| Ethanol | NA | NA | 8.9 | 8.4 | 5.7 | <3370 |
| Ethyl acetate | ND | ND | <1.1 | <1.1 | <1.1 | <1300 |
| Ethylbenzene | ND | ND | 7.9 | <1.3 | <1.3 | <1560 |
| Hexachloro-1,3-butadiene | ND | ND | <3.4 | <3.3 | <3.3 | <3900 |
| m&p-Xylene | ND | ND | 25.0 | 2.6 | 14.2 | <3120 |
| Methylene Chloride | 270 | ND | <1.1 | 276 | <1.1 | <1260 |
| Methyl-tert-butyl ether | ND | ND | <1.1 | <1.1 | <1.1 | <1300 |
| Naphthalene | NA | NA | 5.6 | <4.0 | 4.2 | 10,100 |
| n-Heptane | ND | ND | <1.3 | <1.2 | 2.6 | <1470 |
| n-Hexane | ND | ND | 2.1 | 35.4 | 3.4 | <1280 |
| o-Xylene | ND | ND | 7.5 | <1.3 | 4.8 | <1560 |
| Propylene | ND | ND | <0.54 | <0.52 | <0.52 | <621 |
| Styrene | ND | ND | <1.3 | <1.3 | <1.3 | <1540 |
| Tetrachloroethene | 6,790 | 381,000 | 571,000 | 396,000 | 3,630,000 | 11,600,000 |
| Tetrahydrofuran | ND | 145 | 36.2 | <0.89 | 31.1 | <1060 |
| Toluene | 9.58 | ND | 17.6 | 10.3 | 14.4 | <1370 |
| trans-1,2-Dichloroethene | ND | ND | <1.2 | <1.2 | 4.2 | <1440 |
| trans-1,3-Dichloropropene | ND | ND | <1.4 | <1.4 | <1.4 | <1630 |
| Trichloroethene | 21.3 | ND | 153 | 13.6 | 1,640 | 17,400 |
| Trichlorofluoromethane | ND | ND | <1.7 | 1.7 | 2.2 | <1950 |
| Vinyl acetate | ND | ND | 7.4 | <1.1 | 8.7 | <1260 |
| Vinyl chloride | ND | ND | <0.80 | <0.77 | <0.77 | <923 |
| Total VOCs | 12,510 | 453,479 | 608,840 | 494,779 | 3,795,077 | 14,603,780 |

1. Flow controller failed on 9/27/10; however
Bold: parameter detected above the report
 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 | 5.6 | 5,946 | 16,300 | 5,980,000 |
| 10/16/2009 | All Wells | Tetrachloroethylene | 571,000 | 8,565 | 5.6 | 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 | 3.9 | 393,304 | 16,300 | 5,980,000 |
| 2/22/2010 | All Wells | Tetrachloroethylene | 1,720,000 | 82,560 | 1.3 | 82,561 | 16,300 | 5,980,000 |
| 3/25/2010 | All Wells | Tetrachloroethylene | 215,000 | 11,180 | 2.1 | 11,182 | 16,300 | 5,980,000 |
| 4/16/2010 | All Wells | Tetrachloroethylene | 282,000 | 9,588 | 1.3 | 9,589 | 16,300 | 5,980,000 |
| 5/12/2010 | All Wells | Tetrachloroethylene | 27,900 | 1,729 | 0.8 | 1,730 | 16,300 | 5,980,000 |
| 6/17/2010 | All Wells | Tetrachloroethylene | 689,000 | 11,713 | 3.9 | 11,717 | 16,300 | 5,980,000 |
| 7/26/2010 | All Wells | Tetrachloroethylene | 489,000 | 22,983 | 1.2 | 22,984 | 16,300 | 5,980,000 |
| 10/18/2010 | All Wells | Tetrachloroethylene | 1,300 | 79 | 6.5 | 86 | 16,300 | 5,980,000 |
| 12/23/2010 | All Wells | Tetrachloroethylene | 2,680 | 64 | 3.2 | 68 | 16,300 | 5,980,000 |
| 1/20/2011 | All Wells | Tetrachloroethylene | 5,040 | 282 | 3.5 | 286 | 16,300 | 5,980,000 |
| 2/28/2011 | All Wells | Tetrachloroethylene | 4,590 | 225 | 4.1 | 229 | 16,300 | 5,980,000 |
| 3/23/2011 | All Wells | Tetrachloroethylene | 7,340 | 250 | 0.18 | 250 | 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 |
| 5/12/2010 | 6/17/2010 | 36 | 864 | 200,398 | 30,319 | 0.6 | 0.037 | 119 | 24 | 80 | 0.024 | 0.30 | 0.001 |
| 6/17/2010 | 7/26/2010 | 39 | 936 | 226,504 | 26,106 | 0.5 | 0.029 | 41 | 0 | 100 | 0.009 | 0.31 | 0.000 |
| 7/26/2010 | 9/27/2010 | 63 | 1512 | 240,247 | 13,743 | 0.2 | 0.010 | 84 | 18 | 79 | 0.008 | 0.32 | 0.000 |
| 9/27/2010 | 10/18/2010 | 21 | 504 | 255,417 | 15,170 | 0.5 | 0.032 | 210 | 6 | 97 | 0.026 | 0.34 | 0.001 |
| 10/18/2010 | 12/22/2010 | 65 | 1560 | 283,957 | 28,540 | 0.3 | 0.019 | 173 | 11 | 94 | 0.038 | 0.38 | 0.001 |
| 12/22/2010 | 1/20/2011 | 29 | 696 | 328,912 | 44,955 | 1.1 | 0.068 | 52 | 0 | 100 | 0.019 | 0.40 | 0.001 |
| 1/20/2011 | 3/1/2011 | 40 | 960 | 357,774 | 28,862 | 0.5 | 0.032 | 131 | 0 | 100 | 0.031 | 0.43 | 0.001 |
| 3/1/2011 | 3/23/2011 | 22 | 528 | 369,603 | 11,829 | 0.4 | 0.024 | 43 | 7 | 84 | 0.004 | 0.43 | 0.000 |

Notes:

- The initial reading of the transfer pump totalizer was 68 gallons.
- Initial sampling event to determine if groundwater treatment was necessary.
- Increase in total VOCs was from PVC glue and cement that was used during the construction of the DPE system and air stripper.
- 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.
- Increase in total VOCs was from PVC glue and cement that was used during installation of the secondary demister moisture separator.
- 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-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent |
|--------------------------------|-------------|-------------|--------------|-------------|-------------|-------------|--------------|-------------|--------------|-------------|
| Collected Date | 3/23/2011 | 3/23/2011 | 3/1/2011 | 3/1/2011 | 1/20/2011 | 1/20/2011 | 12/23/2010 | 12/23/2010 | 10/19/2010 | 10/19/2010 |
| 1,1,1,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichlorotrifluoroethane | <1.0 | <1.0 | 2.3 | <1.0 | <1.0 | <1.0 | 3.0 | <1.0 | 1.9 | <1.0 |
| 1,1-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 1,2-Dibromoethane (EDB) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Butanone (MEK) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 4.5 | 5.6 |
| 2-Chloroethylvinyl ether | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| 2-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Hexanone | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Methylnaphthalene | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| 4-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Methyl-2-pentanone (MIBK) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Acetone | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <10.0 | 11.1 | <10.0 | <10.0 |
| Acrolein | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrylonitrile | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Allyl chloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Benzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromoform | <4.0 | <4.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Bromomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Carbon disulfide | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <1.0 | <1.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | 35.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Chloroprene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | <1.0 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | 1.8 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dichlorodifluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorofluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Diethyl ether (Ethyl ether) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Ethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachloro-1,3-butadiene | <5.0 | <5.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Iodomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Isopropylbenzene (Cumene) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| m&p-Xylene | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Methylene Chloride | <4.0 | 6.8 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Methyl-tert-butyl ether | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| n-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Isopropyltoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| sec-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | 7.6 | <1.0 | 127 | <1.0 | 51.8 | <1.0 | 168 | <1.0 | 204 | <1.0 |
| Tetrahydrofuran | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Toluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Trichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Vinyl acetate | <10.0 | <10.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| Vinyl chloride | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 |
| Total VOC Concentration | 42.6 | 6.8 | 130.6 | 0 | 51.8 | 0 | 172.8 | 11.1 | 210.4 | 5.6 |

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 6

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

| Sample ID | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent ³ |
|--------------------------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------------------|
| | 7/26/2010 | 7/26/2010 | 6/17/2010 | 6/17/2010 | 5/12/2010 | 5/12/2010 | 4/16/2010 | 4/16/2010 | 3/25/2010 | 3/25/2010 |
| Collected Date | 7/26/2010 | 7/26/2010 | 6/17/2010 | 6/17/2010 | 5/12/2010 | 5/12/2010 | 4/16/2010 | 4/16/2010 | 3/25/2010 | 3/25/2010 |
| 1,1,1,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 1,1,2-Trichlorotrifluoroethane | <1.0 | <1.0 | 2.6 | <1.0 | 2.5 | <1.0 | 1.4 | <1.0 | 1.0 | <1.0 |
| 1,1-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 1,2-Dibromoethane (EDB) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Butanone (MEK) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 4.9 | 4.9 | 7.5 |
| 2-Chloroethylvinyl ether | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| 2-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Hexanone | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Methylnaphthalene | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| 4-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Acetone | <10.0 | <10.0 | <10.0 | 13.3 | <10.0 | <10.0 | <10.0 | 29.3 | 11.2 | 29.8 |
| Acrolein | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 |
| Acrylonitrile | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Allyl chloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Benzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromoform | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Bromomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 37.3 | 38.0 |
| Carbon disulfide | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | <4.0 | <4.0 | 7.2 | 8.7 | <4.0 | <4.0 | 10.7 | 491 | 380 | 644 |
| Chloroprene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | <1.0 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorofluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Diethyl ether (Ethyl ether) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Ethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachloro-1,3-butadiene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Iodomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 17.3 | 18.9 |
| Isopropylbenzene (Cumene) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| m&p-Xylene | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | 3.4 |
| Methylene Chloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Methyl-tert-butyl ether | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| n-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.6 |
| p-Isopropyltoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| sec-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | <1.0 | 40.6 | 108 | 2.4 | 63.4 | <1.0 | 48.6 | <1.0 | 55.5 | <1.0 |
| Tetrahydrofuran | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | 20.3 |
| Toluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Trichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Vinyl acetate | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| Vinyl chloride | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | 4.9 |
| Total VOC Concentration | 0 | 40.6 | 119.3 | 15.7 | 65.9 | 0 | 60.7 | 525.2 | 507.2 | 763.5 |

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 6

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

| Sample ID | AS-Influent | AS-Effluent | AS-Influent | AS-Effluent | AS-Influent | AS-IN Vial 2 | AS-Effluent | AS-INFLUENT | AS-EFFLUENT |
|--------------------------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|-------------|
| Collected Date | 2/22/2010 | 2/22/2010 | 1/14/2010 | 1/14/2010 | 12/17/2009 | 12/17/2009 | 12/17/2009 | 11/16/2009 | 11/16/2009 |
| 1,1,1,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,1-Trichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2,2-Tetrachloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1,2-Trichloroethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 1,1,2-Trichlorotrifluoroethane | 2.1 | <1.0 | 1.3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,3-Trichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2,4-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dibromo-3-chloropropane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 1,2-Dibromoethane (EDB) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,2-Dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3,5-Trimethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,3-Dichloropropane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,4-Dichlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2,2-Dichloropropane | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <4.0 |
| 2-Butanone (MEK) | <4.0 | <4.0 | 7.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Chloroethylvinyl ether | <10.0 | <10.0 | <25.0 | <25.0 | <25.0 | <25.0 | <25.0 | <10.0 | <10.0 |
| 2-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 2-Hexanone | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| 2-Methylnaphthalene | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| 4-Chlorotoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 4-Methyl-2-pentanone (MIBK) | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 | <5.0 |
| Acetone | <10.0 | <10.0 | 14.6 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Acrolein | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 | <40.0 |
| Acrylonitrile | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Allyl chloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Benzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Bromodichloromethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Bromoform | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 |
| Bromomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Carbon disulfide | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Carbon tetrachloride | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <4.0 | <4.0 |
| Chlorobenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloroform | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Chloromethane | <4.0 | <4.0 | 98.5 | 31.9 | <1.0 | <1.0 | 1.3 | <4.0 | <4.0 |
| Chloroprene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,2-Dichloroethene | 1.3 | <1.0 | 1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Dibromochloromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dibromomethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorodifluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Dichlorofluoromethane | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Diethyl ether (Ethyl ether) | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Ethylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Hexachloro-1,3-butadiene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Iodomethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Isopropylbenzene (Cumene) | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| m&p-Xylene | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 |
| Methylene Chloride | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Methyl-tert-butyl ether | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Naphthalene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| n-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| n-Propylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| o-Xylene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| p-Isopropyltoluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| sec-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Styrene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| tert-Butylbenzene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Tetrachloroethene | 69.6 | <1.0 | 157 | <1.0 | <1.0 | <1.0 | 22.7 | 30.7 | <1.0 |
| Tetrahydrofuran | <10.0 | 15.7 | 29.4 | <10.0 | 11.7 | 11.5 | <10.0 | <10.0 | <10.0 |
| Toluene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,2-Dichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Trichloroethene | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 |
| Vinyl acetate | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 | <20.0 |
| Vinyl chloride | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 |
| Total VOC Concentration | 73 | 15.7 | 308.8 | 31.9 | 11.7 | 11.5 | 24 | 30.7 | 0 |

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 6

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

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

Bold : Parameter detected above the reporting limit.

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

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

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

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

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|--|
| MW-14 | 12/3/2008 | 989.50 | 10.82 | 978.68 | pre-system installation |
| MW-14 | 6/8/2009 | 989.50 | 12.40 | 977.10 | pre-system startup |
| MW-14 | 7/9/2009 | 989.50 | 12.90 | 976.60 | DPE system on DPE-1 |
| MW-14 | 7/9/2009 | 989.50 | 12.51 | 976.99 | DPE system temporarily off |
| MW-14 | 9/4/2009 | 989.50 | 12.63 | 976.87 | DPE system on |
| MW-14 | 9/4/2009 | 989.50 | 12.57 | 976.93 | DPE system on after replacing inlet screen |
| MW-14 | 9/4/2009 | 989.50 | 12.65 | 976.85 | DPE system on after replacing inlet filter |
| MW-14 | 10/15/2009 | 989.50 | 12.47 | 977.03 | DPE system on DPE-1 |
| MW-14 | 10/23/2009 | 989.50 | 11.33 | 978.17 | DPE system off |
| MW-14 | 11/16/2009 | 989.50 | 11.87 | 977.63 | DPE System on all wells |
| MW-14 | 12/17/2009 | 989.50 | 11.66 | 977.84 | DPE System on all wells |
| MW-14 | 1/14/2010 | 989.50 | 12.14 | 977.36 | DPE System on all wells |
| MW-14 | 2/22/2010 | 989.50 | 12.51 | 976.99 | DPE System on all wells |
| MW-14 | 3/25/2010 | 989.50 | 11.90 | 977.60 | DPE System on all wells |
| MW-14 | 4/16/2010 | 989.50 | 12.21 | 977.29 | DPE System on all wells |
| MW-14 | 5/12/2010 | 989.50 | 12.68 | 976.82 | DPE System on all wells |
| MW-14 | 6/17/2010 | 989.50 | 13.01 | 976.49 | DPE System on all wells |
| MW-14 | 8/18/2010 | 989.50 | 13.28 | 976.22 | DPE System on all wells |
| MW-14 | 9/27/2010 | 989.50 | 10.85 | 978.65 | DPE System on all wells |
| MW-14 | 11/18/2010 | 989.50 | 11.16 | 978.34 | DPE System not operating |
| MW-14 | 12/22/2010 | 989.50 | 11.56 | 977.94 | DPE System restarted |
| MW-14 | 1/6/2011 | 989.50 | 10.82 | 978.68 | DPE System on all wells |
| MW-14 | 1/20/2011 | 989.50 | 11.18 | 978.32 | DPE System on all wells |
| MW-14 | 2/28/2011 | 989.50 | 11.18 | 978.32 | DPE System on all wells |
| MW-14 | 3/7/2011 | 989.50 | 11.60 | 977.90 | DPE System on all wells |
| MW-14 | 3/18/2011 | 989.50 | 11.47 | 978.03 | DPE System on all wells |
| MW-14 | 3/23/2011 | 989.50 | 10.84 | 978.66 | DPE System on all wells |
| MW-15 | 12/3/2008 | 991.50 | 13.11 | 978.39 | pre-system installation |
| MW-15 | 6/8/2009 | 991.50 | 15.58 | 975.92 | pre-system startup |
| MW-15 | 7/9/2009 | 991.50 | 15.94 | 975.56 | DPE system on DPE-1 |
| MW-15 | 7/9/2009 | 991.50 | 16.51 | 974.99 | DPE system temporarily off |
| MW-15 | 9/4/2009 | 991.50 | 15.73 | 975.77 | DPE system on |
| MW-15 | 9/4/2009 | 991.50 | 15.90 | 975.60 | DPE system on after replacing inlet screen |
| MW-15 | 9/4/2009 | 991.50 | 16.01 | 975.49 | DPE system on after replacing inlet filter |
| MW-15 | 10/15/2009 | 991.50 | 15.38 | 976.12 | DPE system on DPE-1 |
| MW-15 | 10/23/2009 | 991.50 | 14.14 | 977.36 | DPE system off |
| MW-15 | 11/16/2009 | 991.50 | 13.78 | 977.72 | DPE System on all wells |
| MW-15 | 12/17/2009 | 991.50 | 14.25 | 977.25 | DPE System on all wells |
| MW-15 | 1/14/2010 | 991.50 | 14.33 | 977.17 | DPE System on all wells |
| MW-15 | 2/22/2010 | 991.50 | 15.72 | 975.78 | DPE System on all wells |
| MW-15 | 3/25/2010 | 991.50 | 14.57 | 976.93 | DPE System on all wells |
| MW-15 | 4/16/2010 | 991.50 | 14.72 | 976.78 | DPE System on all wells |
| MW-15 | 5/12/2010 | 991.50 | 15.44 | 976.06 | DPE System on all wells |
| MW-15 | 6/17/2010 | 991.50 | 16.28 | 975.22 | DPE System on all wells |
| MW-15 | 8/18/2010 | 991.50 | 16.24 | 975.26 | DPE System on all wells |
| MW-15 | 9/27/2010 | 991.50 | 13.68 | 977.82 | DPE System on all wells |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|--|
| MW-15 | 11/18/2010 | 991.50 | 13.79 | 977.71 | DPE System not operating |
| MW-15 | 12/22/2010 | 991.50 | 14.03 | 977.47 | DPE System restarted |
| MW-15 | 1/6/2011 | 991.50 | 13.53 | 977.97 | DPE System on all wells |
| MW-15 | 1/20/2011 | 991.50 | 13.55 | 977.95 | DPE System on all wells |
| MW-15 | 2/28/2011 | 991.50 | 13.71 | 977.79 | DPE System on all wells |
| MW-15 | 3/7/2011 | 991.50 | 14.01 | 977.49 | DPE System on all wells |
| MW-15 | 3/18/2011 | 991.50 | 14.08 | 977.42 | DPE System on all wells |
| MW-15 | 3/23/2011 | 991.50 | 12.79 | 978.71 | DPE System on all wells |
| | | | | | |
| MW-16 | 12/3/2008 | 989.44 | 12.32 | 977.12 | pre-system installation |
| MW-16 | 6/8/2009 | 989.44 | 14.82 | 974.62 | pre-system startup |
| MW-16 | 7/9/2009 | 989.44 | 14.23 | 975.21 | DPE system on DPE-1 |
| MW-16 | 7/9/2009 | 989.44 | 13.19 | 976.25 | DPE system temporarily off |
| MW-16 | 9/4/2009 | 989.44 | 13.70 | 975.74 | DPE system on |
| MW-16 | 9/4/2009 | 989.44 | 14.25 | 975.19 | DPE system on after replacing inlet screen |
| MW-16 | 9/4/2009 | 989.44 | 14.58 | 974.86 | DPE system on after replacing inlet filter |
| MW-16 | 10/15/2009 | 989.44 | 13.61 | 975.83 | DPE system on DPE-1 |
| MW-16 | 10/23/2009 | 989.44 | 11.89 | 977.55 | DPE system off |
| MW-16 | 11/16/2009 | 989.44 | 11.44 | 978.00 | DPE System on all wells |
| MW-16 | 12/17/2009 | 989.44 | 14.17 | 975.27 | DPE System on all wells |
| MW-16 | 1/14/2010 | 989.44 | 12.57 | 976.87 | DPE System on all wells |
| MW-16 | 2/22/2010 | 989.44 | 13.68 | 975.76 | DPE System on all wells |
| MW-16 | 3/25/2010 | 989.44 | 12.50 | 976.94 | DPE System on all wells |
| MW-16 | 4/16/2010 | 989.44 | 12.72 | 976.72 | DPE System on all wells |
| MW-16 | 5/12/2010 | 989.44 | 13.41 | 976.03 | DPE System on all wells |
| MW-16 | 6/17/2010 | 989.44 | 13.96 | 975.48 | DPE System on all wells |
| MW-16 | 8/18/2010 | 989.44 | 13.91 | 975.53 | DPE System on all wells |
| MW-16 | 9/27/2010 | 989.44 | 11.37 | 978.07 | DPE System on all wells |
| MW-16 | 11/18/2010 | 989.44 | 11.61 | 977.83 | DPE System not operating |
| MW-16 | 12/22/2010 | 989.44 | 12.63 | 976.81 | DPE System restarted |
| MW-16 | 1/6/2011 | 989.44 | 11.30 | 978.14 | DPE System on all wells |
| MW-16 | 1/20/2011 | 989.44 | 11.91 | 977.53 | DPE System on all wells |
| MW-16 | 2/28/2011 | 989.44 | 11.77 | 977.67 | DPE System on all wells |
| MW-16 | 3/7/2011 | 989.44 | 12.27 | 977.17 | DPE System on all wells |
| MW-16 | 3/18/2011 | 989.44 | 12.38 | 977.06 | DPE System on all wells |
| MW-16 | 3/23/2011 | 989.44 | 11.13 | 978.31 | DPE System on all wells |
| | | | | | |
| MW-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 |

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 | 12/17/2009 | 989.53 | 13.04 | 976.49 | DPE System on all wells |
| MW-17 | 1/14/2010 | 989.53 | 13.22 | 976.31 | DPE System on all wells |
| MW-17 | 2/22/2010 | 989.53 | 14.37 | 975.16 | DPE System on all wells |
| MW-17 | 3/25/2010 | 989.53 | 12.78 | 976.75 | DPE System on all wells |
| MW-17 | 4/16/2010 | 989.53 | 13.19 | 976.34 | DPE System on all wells |
| MW-17 | 5/12/2010 | 989.53 | 13.84 | 975.69 | DPE System on all wells |
| MW-17 | 6/17/2010 | 989.53 | 14.13 | 975.40 | DPE System on all wells |
| MW-17 | 8/18/2010 | 989.53 | 15.08 | 974.45 | DPE System on all wells |
| MW-17 | 9/27/2010 | 989.53 | 12.68 | 976.85 | DPE System on all wells |
| MW-17 | 11/18/2010 | 989.53 | 12.68 | 976.85 | DPE System not operating |
| MW-17 | 12/22/2010 | 989.53 | 12.50 | 977.03 | DPE System restarted |
| MW-17 | 1/6/2011 | 989.53 | 12.17 | 977.36 | DPE System on all wells |
| MW-17 | 1/20/2011 | 989.53 | 12.25 | 977.28 | DPE System on all wells |
| MW-17 | 2/28/2011 | 989.53 | 12.20 | 977.33 | DPE System on all wells |
| MW-17 | 3/7/2011 | 989.53 | 12.41 | 977.12 | DPE System on all wells |
| MW-17 | 3/18/2011 | 989.53 | 12.44 | 977.09 | DPE System on all wells |
| MW-17 | 3/23/2011 | 989.53 | 11.41 | 978.12 | DPE System on all wells |
| | | | | | |
| MW-18 | 12/3/2008 | 989.50 | 13.82 | 975.68 | pre-system installation |
| MW-18 | 6/8/2009 | 989.50 | 14.22 | 975.28 | pre-system startup |
| MW-18 | 7/9/2009 | 989.50 | 16.61 | 972.89 | DPE system on DPE-1 |
| MW-18 | 7/9/2009 | 989.50 | 15.61 | 973.89 | DPE system temporarily off |
| MW-18 | 9/4/2009 | 989.50 | 15.37 | 974.13 | DPE system on |
| MW-18 | 9/4/2009 | 989.50 | 15.38 | 974.12 | DPE system on after replacing inlet screen |
| MW-18 | 9/4/2009 | 989.50 | 15.40 | 974.10 | DPE system on after replacing inlet filter |
| MW-18 | 10/15/2009 | 989.50 | 15.18 | 974.32 | DPE system on DPE-1 |
| MW-18 | 10/23/2009 | 989.50 | 14.28 | 975.22 | DPE system off |
| MW-18 | 11/16/2009 | 989.50 | 13.83 | 975.67 | DPE System on all wells |
| MW-18 | 12/17/2009 | 989.50 | 13.85 | 975.65 | DPE System on all wells |
| MW-18 | 1/14/2010 | 989.50 | 13.96 | 975.54 | DPE System on all wells |
| MW-18 | 2/22/2010 | 989.50 | 15.49 | 974.01 | DPE System on all wells |
| MW-18 | 3/25/2010 | 989.50 | 13.24 | 976.26 | DPE System on all wells |
| MW-18 | 4/16/2010 | 989.50 | 13.83 | 975.67 | DPE System on all wells |
| MW-18 | 5/12/2010 | 989.50 | 14.60 | 974.90 | DPE System on all wells |
| MW-18 | 6/17/2010 | 989.50 | 15.14 | 974.36 | DPE System on all wells |
| MW-18 | 8/18/2010 | 989.50 | 16.53 | 972.97 | DPE System on all wells |
| MW-18 | 9/27/2010 | 989.50 | 13.79 | 975.71 | DPE System on all wells |
| MW-18 | 11/18/2010 | 989.50 | 13.54 | 975.96 | DPE System not operating |
| MW-18 | 12/22/2010 | 989.50 | 13.20 | 976.30 | DPE System restarted |
| MW-18 | 1/6/2011 | 989.50 | 13.03 | 976.47 | DPE System on all wells |
| MW-18 | 1/20/2011 | 989.50 | 12.88 | 976.62 | DPE System on all wells |
| MW-18 | 2/28/2011 | 989.50 | 12.79 | 976.71 | DPE System on all wells |
| MW-18 | 3/7/2011 | 989.50 | 13.21 | 976.29 | DPE System on all wells |
| MW-18 | 3/18/2011 | 989.50 | 12.99 | 976.51 | DPE System on all wells |
| MW-18 | 3/23/2011 | 989.50 | 12.08 | 977.42 | DPE System on all wells |
| | | | | | |
| MW-19 | 12/3/2008 | 991.13 | 12.45 | 978.68 | pre-system installation |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|--|
| MW-19 | 6/8/2009 | 991.13 | 13.40 | 977.73 | pre-system startup |
| MW-19 | 7/9/2009 | 991.13 | 14.75 | 976.38 | DPE system on DPE-1 |
| MW-19 | 7/9/2009 | 991.13 | 14.58 | 976.55 | DPE system temporarily off |
| MW-19 | 9/4/2009 | 991.13 | 14.68 | 976.45 | DPE system on |
| MW-19 | 9/4/2009 | 991.13 | 14.61 | 976.52 | DPE system on after replacing inlet screen |
| MW-19 | 9/4/2009 | 991.13 | 14.66 | 976.47 | DPE system on after replacing inlet filter |
| MW-19 | 10/15/2009 | 991.13 | 14.47 | 976.66 | DPE system on DPE-1 |
| MW-19 | 10/23/2009 | 991.13 | 13.28 | 977.85 | DPE system off |
| MW-19 | 11/16/2009 | 991.13 | 12.85 | 978.28 | DPE System on all wells |
| MW-19 | 12/17/2009 | 991.13 | 13.69 | 977.44 | DPE System on all wells |
| MW-19 | 1/14/2010 | 991.13 | 13.78 | 977.35 | DPE System on all wells |
| MW-19 | 2/22/2010 | 991.13 | 14.62 | 976.51 | DPE System on all wells |
| MW-19 | 3/25/2010 | 991.13 | 13.81 | 977.32 | DPE System on all wells |
| MW-19 | 4/16/2010 | 991.13 | 14.21 | 976.92 | DPE System on all wells |
| MW-19 | 5/12/2010 | 991.13 | 14.84 | 976.29 | DPE System on all wells |
| MW-19 | 6/17/2010 | 991.13 | 15.01 | 976.12 | DPE System on all wells |
| MW-19 | 8/18/2010 | 991.13 | 15.71 | 975.42 | DPE System on all wells |
| MW-19 | 9/27/2010 | 991.13 | 12.94 | 978.19 | DPE System on all wells |
| MW-19 | 11/18/2010 | 991.13 | 13.26 | 977.87 | DPE System not operating |
| MW-19 | 12/22/2010 | 991.13 | 13.69 | 977.44 | DPE System restarted |
| MW-19 | 1/6/2011 | 991.13 | 13.06 | 978.07 | DPE System on all wells |
| MW-19 | 1/20/2011 | 991.13 | 13.41 | 977.72 | DPE System on all wells |
| MW-19 | 2/28/2011 | 991.13 | 13.92 | 977.21 | DPE System on all wells |
| MW-19 | 3/7/2011 | 991.13 | 13.18 | 977.95 | DPE System on all wells |
| MW-19 | 3/18/2011 | 991.13 | 13.56 | 977.57 | DPE System on all wells |
| MW-19 | 3/23/2011 | 991.13 | 12.09 | 979.04 | DPE System on all wells |
| MW-20 | 12/3/2008 | 991.50 | 12.40 | 979.10 | pre-system installation |
| MW-20 | 6/8/2009 | 991.50 | 11.93 | 979.57 | pre-system startup |
| MW-20 | 7/9/2009 | 991.50 | 12.19 | 979.31 | DPE system on DPE-1 |
| MW-20 | 7/9/2009 | 991.50 | 12.24 | 979.26 | DPE system temporarily off |
| MW-20 | 9/4/2009 | 991.50 | 12.53 | 978.97 | DPE system on |
| MW-20 | 9/4/2009 | 991.50 | 12.47 | 979.03 | DPE system on after replacing inlet screen |
| MW-20 | 9/4/2009 | 991.50 | 12.49 | 979.01 | DPE system on after replacing inlet filter |
| MW-20 | 10/15/2009 | 991.50 | 12.16 | 979.34 | DPE system on DPE-1 |
| MW-20 | 10/23/2009 | 991.50 | 11.33 | 980.17 | DPE system off |
| MW-20 | 11/16/2009 | 991.50 | 11.02 | 980.48 | DPE System on all wells |
| MW-20 | 12/17/2009 | 991.50 | 12.31 | 979.19 | DPE System on all wells |
| MW-20 | 1/14/2010 | 991.50 | 12.34 | 979.16 | DPE System on all wells |
| MW-20 | 2/22/2010 | 991.50 | 12.78 | 978.72 | DPE System on all wells |
| MW-20 | 3/25/2010 | 991.50 | 12.54 | 978.96 | DPE System on all wells |
| MW-20 | 4/16/2010 | 991.50 | 12.76 | 978.74 | DPE System on all wells |
| MW-20 | 5/12/2010 | 991.50 | 13.18 | 978.32 | DPE System on all wells |
| MW-20 | 6/17/2010 | 991.50 | 12.99 | 978.51 | DPE System on all wells |
| MW-20 | 8/18/2010 | 991.50 | 12.71 | 978.79 | DPE System on all wells |
| MW-20 | 9/27/2010 | 991.50 | 10.17 | 981.33 | DPE System on all wells |
| MW-20 | 11/18/2010 | 991.50 | 11.68 | 979.82 | DPE System not operating |

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 | 12/22/2010 | 991.50 | 12.15 | 979.35 | DPE System restarted |
| MW-20 | 1/6/2011 | 991.50 | 11.99 | 979.51 | DPE System on all wells |
| MW-20 | 1/20/2011 | 991.50 | 12.45 | 979.05 | DPE System on all wells |
| MW-20 | 2/28/2011 | 991.50 | 12.69 | 978.81 | DPE System on all wells |
| MW-20 | 3/7/2011 | 991.50 | 12.26 | 979.24 | DPE System on all wells |
| MW-20 | 3/18/2011 | 991.50 | 12.62 | 978.88 | DPE System on all wells |
| MW-20 | 3/23/2011 | 991.50 | 11.19 | 980.31 | DPE System on all wells |
| DPE-1 | 12/3/2008 | 991.46 | 13.66 | 977.80 | pre-system installation |
| DPE-1 | 6/8/2009 | 992.40 | 18.78 | 973.62 | pre-system startup |
| DPE-1 | 7/9/2009 | 992.40 | 20.51 | 971.89 | DPE system on DPE-1 |
| DPE-1 | 7/9/2009 | 992.40 | 16.38 | 976.02 | DPE system temporarily off |
| DPE-1 | 9/4/2009 | 992.40 | NR | NR | DPE system on DPE-1 |
| DPE-1 | 9/4/2009 | 992.40 | NR | NR | DPE-1 on after replacing inlet screen |
| DPE-1 | 9/4/2009 | 992.40 | 17.86 | 974.54 | DPE-1 on after replacing inlet filter |
| DPE-1 | 10/15/2009 | 992.40 | NR | NR | DPE system on DPE-1 |
| DPE-1 | 10/23/2009 | 992.40 | 14.88 | 977.52 | DPE system off |
| DPE-1 | 11/16/2009 | 992.40 | 14.45 | 977.95 | DPE System on all wells |
| DPE-1 | 12/17/2009 | 992.40 | 15.13 | 977.27 | DPE System on all wells |
| DPE-1 | 1/14/2010 | 992.40 | 15.53 | 976.87 | DPE System on all wells |
| DPE-1 | 2/22/2010 | 992.40 | 12.22 | 980.18 | DPE System on all wells |
| DPE-1 | 3/25/2010 | 992.40 | 15.72 | 976.68 | DPE System on all wells |
| DPE-1 | 4/16/2010 | 992.40 | 15.88 | 976.52 | DPE System on all wells |
| DPE-1 | 5/12/2010 | 992.40 | 16.48 | 975.92 | DPE System on all wells |
| DPE-1 | 6/17/2010 | 992.40 | 16.62 | 975.78 | DPE System on all wells |
| DPE-1 | 8/18/2010 | 992.40 | 16.80 | 975.60 | DPE System on all wells |
| DPE-1 | 9/27/2010 | 992.40 | 14.60 | 977.80 | DPE System on all wells |
| DPE-1 | 11/18/2010 | 992.40 | 14.99 | 977.41 | DPE System not operating |
| DPE-1 | 12/22/2010 | 992.40 | 15.72 | 976.68 | DPE System restarted |
| DPE-1 | 1/6/2011 | 992.40 | 14.04 | 978.36 | DPE System on all wells |
| DPE-1 | 1/20/2011 | 992.40 | 16.80 | 975.60 | DPE System on all wells |
| DPE-1 | 2/28/2011 | 992.40 | 15.33 | 977.07 | DPE System on all wells |
| DPE-1 | 3/7/2011 | 992.40 | 17.27 | 975.13 | DPE System on all wells |
| DPE-1 | 3/18/2011 | 992.40 | 17.80 | 974.60 | DPE System on all wells |
| DPE-1 | 3/23/2011 | 992.40 | 15.92 | 976.48 | DPE System on all wells |
| DPE-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 |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|---------------------------------------|
| DPE-2 | 1/14/2010 | 992.80 | 16.04 | 976.76 | DPE System on all wells |
| DPE-2 | 2/22/2010 | 992.80 | 14.19 | 978.61 | DPE System on all wells |
| DPE-2 | 3/25/2010 | 992.80 | 15.50 | 977.30 | DPE System on all wells |
| DPE-2 | 4/16/2010 | 992.80 | 16.31 | 976.49 | DPE System on all wells |
| DPE-2 | 5/12/2010 | 992.80 | 16.31 | 976.49 | DPE System on all wells |
| DPE-2 | 6/17/2010 | 992.80 | 17.09 | 975.71 | DPE System on all wells |
| DPE-2 | 8/18/2010 | 992.80 | 17.58 | 975.22 | DPE System on all wells |
| DPE-2 | 9/27/2010 | 992.80 | 14.92 | 977.88 | DPE System on all wells |
| DPE-2 | 11/18/2010 | 992.80 | 14.79 | 978.01 | DPE System not operating |
| DPE-2 | 12/22/2010 | 992.80 | 15.72 | 977.08 | DPE System restarted |
| DPE-2 | 1/6/2011 | 992.80 | 14.42 | 978.38 | DPE System on all wells |
| DPE-2 | 1/20/2011 | 992.80 | 14.98 | 977.82 | DPE System on all wells |
| DPE-2 | 2/28/2011 | 992.80 | 14.88 | 977.92 | DPE System on all wells |
| DPE-2 | 3/7/2011 | 992.80 | 15.22 | 977.58 | DPE System on all wells |
| DPE-2 | 3/18/2011 | 992.80 | 15.41 | 977.39 | DPE System on all wells |
| DPE-2 | 3/23/2011 | 992.80 | 13.62 | 979.18 | DPE System on all wells |
| | | | | | |
| DPE-3 | 12/3/2008 | 991.50 | 10.30 | 981.20 | pre-system installation |
| DPE-3 | 6/8/2009 | 992.48 | 13.64 | 978.84 | pre-system startup |
| DPE-3 | 7/9/2009 | 992.48 | 13.98 | 978.50 | DPE system on DPE-1 |
| DPE-3 | 7/9/2009 | 992.48 | 14.06 | 978.42 | DPE system temporarily off |
| DPE-3 | 9/4/2009 | 992.48 | 14.48 | 978.00 | DPE system on DPE-1 |
| DPE-3 | 9/4/2009 | 992.48 | 14.49 | 977.99 | DPE-1 on after replacing inlet screen |
| DPE-3 | 9/4/2009 | 992.48 | 14.50 | 977.98 | DPE-1 on after replacing inlet filter |
| DPE-3 | 10/15/2009 | 992.48 | 14.87 | 977.61 | DPE system on DPE-1 |
| DPE-3 | 10/23/2009 | 992.48 | 14.76 | 977.72 | DPE system off |
| DPE-3 | 11/16/2009 | 992.48 | 14.59 | 977.89 | DPE System on all wells |
| DPE-3 | 12/17/2009 | 992.48 | 15.28 | 977.20 | DPE System on all wells |
| DPE-3 | 1/14/2010 | 992.48 | 16.52 | 975.96 | DPE System on all wells |
| DPE-3 | 2/22/2010 | 992.48 | 15.29 | 977.19 | DPE System on all wells |
| DPE-3 | 3/25/2010 | 992.48 | 15.68 | 976.80 | DPE System on all wells |
| DPE-3 | 4/16/2010 | 992.48 | 15.80 | 976.68 | DPE System on all wells |
| DPE-3 | 5/12/2010 | 992.48 | 16.26 | 976.22 | DPE System on all wells |
| DPE-3 | 6/17/2010 | 992.48 | 16.43 | 976.05 | DPE System on all wells |
| DPE-3 | 8/18/2010 | 992.48 | 17.20 | 975.28 | DPE System on all wells |
| DPE-3 | 9/27/2010 | 992.48 | 14.29 | 978.19 | DPE System on all wells |
| DPE-3 | 11/18/2010 | 992.48 | 14.62 | 977.86 | DPE System not operating |
| DPE-3 | 12/22/2010 | 992.48 | 15.62 | 976.86 | DPE System restarted |
| DPE-3 | 1/6/2011 | 992.48 | 14.50 | 977.98 | DPE System on all wells |
| DPE-3 | 1/20/2011 | 992.48 | 14.99 | 977.49 | DPE System on all wells |
| DPE-3 | 2/28/2011 | 992.48 | 15.22 | 977.26 | DPE System on all wells |
| DPE-3 | 3/7/2011 | 992.48 | 15.20 | 977.28 | DPE System on all wells |
| DPE-3 | 3/18/2011 | 992.48 | 15.57 | 976.91 | DPE System on all wells |
| DPE-3 | 3/23/2011 | 992.48 | 13.88 | 978.60 | DPE System on all wells |
| | | | | | |
| DPE-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 |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|---------------------------------------|
| DPE-4 | 7/9/2009 | 992.40 | 16.08 | 976.32 | DPE system temporarily off |
| DPE-4 | 9/4/2009 | 992.40 | 15.94 | 976.46 | DPE system on DPE-1 |
| DPE-4 | 9/4/2009 | 992.40 | 15.91 | 976.49 | DPE-1 on after replacing inlet screen |
| DPE-4 | 9/4/2009 | 992.40 | 15.99 | 976.41 | DPE-1 on after replacing inlet filter |
| DPE-4 | 10/15/2009 | 992.40 | 15.83 | 976.57 | DPE system on DPE-1 |
| DPE-4 | 10/23/2009 | 992.40 | 14.81 | 977.59 | DPE system off |
| DPE-4 | 11/16/2009 | 992.40 | 14.48 | 977.92 | DPE System on all wells |
| DPE-4 | 12/17/2009 | 992.40 | 15.44 | 976.96 | DPE System on all wells |
| DPE-4 | 1/14/2010 | 992.40 | 16.08 | 976.32 | DPE System on all wells |
| DPE-4 | 2/22/2010 | 992.40 | 16.08 | 976.32 | DPE System on all wells |
| DPE-4 | 3/25/2010 | 992.40 | 16.22 | 976.18 | DPE System on all wells |
| DPE-4 | 4/16/2010 | 992.40 | 16.21 | 976.19 | DPE System on all wells |
| DPE-4 | 5/12/2010 | 992.40 | 16.86 | 975.54 | DPE System on all wells |
| DPE-4 | 6/17/2010 | 992.40 | 16.83 | 975.57 | DPE System on all wells |
| DPE-4 | 8/18/2010 | 992.40 | 16.74 | 975.66 | DPE System on all wells |
| DPE-4 | 9/27/2010 | 992.40 | 14.74 | 977.66 | DPE System on all wells |
| DPE-4 | 11/18/2010 | 992.40 | 14.93 | 977.47 | DPE System not operating |
| DPE-4 | 12/22/2010 | 992.40 | 14.89 | 977.51 | DPE System restarted |
| DPE-4 | 1/6/2011 | 992.40 | 14.61 | 977.79 | DPE System on all wells |
| DPE-4 | 1/20/2011 | 992.40 | 15.15 | 977.25 | DPE System on all wells |
| DPE-4 | 2/28/2011 | 992.40 | 15.30 | 977.10 | DPE System on all wells |
| DPE-4 | 3/7/2011 | 992.40 | 15.62 | 976.78 | DPE System on all wells |
| DPE-4 | 3/18/2011 | 992.40 | 15.62 | 976.78 | DPE System on all wells |
| DPE-4 | 3/23/2011 | 992.40 | 14.04 | 978.36 | DPE System on all wells |
| DPE-5 | 12/3/2008 | 991.47 | 12.44 | 979.03 | pre-system installation |
| DPE-5 | 6/8/2009 | 992.46 | 14.48 | 977.98 | pre-system startup |
| DPE-5 | 7/9/2009 | 992.46 | 16.28 | 976.18 | DPE system on DPE-1 |
| DPE-5 | 7/9/2009 | 992.46 | 15.31 | 977.15 | DPE system temporarily off |
| DPE-5 | 9/4/2009 | 992.46 | 15.08 | 977.38 | DPE system on DPE-1 |
| DPE-5 | 9/4/2009 | 992.46 | 15.04 | 977.42 | DPE-1 on after replacing inlet screen |
| DPE-5 | 9/4/2009 | 992.46 | 15.03 | 977.43 | DPE-1 on after replacing inlet filter |
| DPE-5 | 10/15/2009 | 992.46 | 14.99 | 977.47 | DPE system on DPE-1 |
| DPE-5 | 10/23/2009 | 992.46 | 13.78 | 978.68 | DPE system off |
| DPE-5 | 11/16/2009 | 992.46 | 13.43 | 979.03 | DPE System on all wells |
| DPE-5 | 12/17/2009 | 992.46 | NR | NR | DPE System on all wells |
| DPE-5 | 1/14/2010 | 992.46 | 15.00 | 977.46 | DPE System on all wells |
| DPE-5 | 2/22/2010 | 992.46 | 15.01 | 977.45 | DPE System on all wells |
| DPE-5 | 3/25/2010 | 992.46 | 16.42 | 976.04 | DPE System on all wells |
| DPE-5 | 4/16/2010 | 992.46 | 15.54 | 976.92 | DPE System on all wells |
| DPE-5 | 5/12/2010 | 992.46 | 15.98 | 976.48 | DPE System on all wells |
| DPE-5 | 6/17/2010 | 992.46 | 17.21 | 975.25 | DPE System on all wells |
| DPE-5 | 8/18/2010 | 992.46 | 16.55 | 975.91 | DPE System on all wells |
| DPE-5 | 9/27/2010 | 992.46 | 13.73 | 978.73 | DPE System on all wells |
| DPE-5 | 11/18/2010 | 992.46 | 14.19 | 978.27 | DPE System not operating |
| DPE-5 | 12/22/2010 | 992.46 | 15.41 | 977.05 | DPE System restarted |
| DPE-5 | 1/6/2011 | 992.46 | 14.14 | 978.32 | DPE System on all wells |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|---------|---------------|--|-----------------------------|------------------------------------|---------------------------------------|
| DPE-5 | 1/20/2011 | 992.46 | 15.38 | 977.08 | DPE System on all wells |
| DPE-5 | 2/28/2011 | 992.46 | 15.38 | 977.08 | DPE System on all wells |
| DPE-5 | 3/7/2011 | 992.46 | 16.81 | 975.65 | DPE System on all wells |
| DPE-5 | 3/18/2011 | 992.46 | 15.03 | 977.43 | DPE System on all wells |
| DPE-5 | 3/23/2011 | 992.46 | 13.08 | 979.38 | DPE System on all wells |
| <hr/> | | | | | |
| DPE-6 | 12/3/2008 | 991.44 | 12.93 | 978.51 | pre-system installation |
| DPE-6 | 6/8/2009 | 992.40 | 16.19 | 976.21 | pre-system startup |
| DPE-6 | 7/9/2009 | 992.40 | 16.54 | 975.86 | DPE system on DPE-1 |
| DPE-6 | 7/9/2009 | 992.40 | 15.92 | 976.48 | DPE system temporarily off |
| DPE-6 | 9/4/2009 | 992.40 | 15.68 | 976.72 | DPE system on DPE-1 |
| DPE-6 | 9/4/2009 | 992.40 | 15.65 | 976.75 | DPE-1 on after replacing inlet screen |
| DPE-6 | 9/4/2009 | 992.40 | 15.81 | 976.59 | DPE-1 on after replacing inlet filter |
| DPE-6 | 10/15/2009 | 992.40 | 15.94 | 976.46 | DPE system on DPE-1 |
| DPE-6 | 10/23/2009 | 992.40 | 14.56 | 977.84 | DPE system off |
| DPE-6 | 11/16/2009 | 992.40 | 14.24 | 978.16 | DPE System on all wells |
| DPE-6 | 12/17/2009 | 992.40 | 14.89 | 977.51 | DPE System on all wells |
| DPE-6 | 1/14/2010 | 992.40 | 15.14 | 977.26 | DPE System on all wells |
| DPE-6 | 2/22/2010 | 992.40 | 15.61 | 976.79 | DPE System on all wells |
| DPE-6 | 3/25/2010 | 992.40 | 15.24 | 977.16 | DPE System on all wells |
| DPE-6 | 4/16/2010 | 992.40 | 15.48 | 976.92 | DPE System on all wells |
| DPE-6 | 5/12/2010 | 992.40 | 16.02 | 976.38 | DPE System on all wells |
| DPE-6 | 6/17/2010 | 992.40 | 15.98 | 976.42 | DPE System on all wells |
| DPE-6 | 8/18/2010 | 992.40 | 16.56 | 975.84 | DPE System on all wells |
| DPE-6 | 9/27/2010 | 992.40 | 13.98 | 978.42 | DPE System on all wells |
| DPE-6 | 11/18/2010 | 992.40 | 14.24 | 978.16 | DPE System not operating |
| DPE-6 | 12/22/2010 | 992.40 | 14.89 | 977.51 | DPE System restarted |
| DPE-6 | 1/6/2011 | 992.40 | 13.96 | 978.44 | DPE System on all wells |
| DPE-6 | 1/20/2011 | 992.40 | 14.20 | 978.20 | DPE System on all wells |
| DPE-6 | 2/28/2011 | 992.40 | 14.31 | 978.09 | DPE System on all wells |
| DPE-6 | 3/7/2011 | 992.40 | 14.80 | 977.60 | DPE System on all wells |
| DPE-6 | 3/18/2011 | 992.40 | 14.87 | 977.53 | DPE System on all wells |
| DPE-6 | 3/23/2011 | 992.40 | 14.08 | 978.32 | DPE System on all wells |
| <hr/> | | | | | |
| 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 |

TABLE 7

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

| Well ID | Date Measured | Top of Casing Elevation ^{1,2} | Depth to Groundwater (feet) | Groundwater Elevation ³ | System Status |
|------------------------|---------------|--|-----------------------------|------------------------------------|---------------------------------------|
| DPE-7 | 5/12/2010 | 993.48 | 17.41 | 976.07 | DPE System on all wells |
| DPE-7 | 6/17/2010 | 993.48 | 17.50 | 975.98 | DPE System on all wells |
| DPE-7 | 8/18/2010 | 993.48 | 17.98 | 975.50 | DPE System on all wells |
| DPE-7 | 9/27/2010 | 993.48 | 15.36 | 978.12 | DPE System on all wells |
| DPE-7 | 11/18/2010 | 993.48 | 15.59 | 977.89 | DPE System not operating |
| DPE-7 | 12/22/2010 | 993.48 | 16.02 | 977.46 | DPE System restarted |
| DPE-7 | 1/6/2011 | 993.48 | 15.20 | 978.28 | DPE System on all wells |
| DPE-7 | 1/20/2011 | 993.48 | 15.31 | 978.17 | DPE System on all wells |
| DPE-7 | 2/28/2011 | 993.48 | 15.61 | 977.87 | DPE System on all wells |
| DPE-7 | 3/7/2011 | 993.48 | 16.08 | 977.40 | DPE System on all wells |
| DPE-7 | 3/18/2011 | 993.48 | 16.08 | 977.40 | DPE System on all wells |
| DPE-7 | 3/23/2011 | 993.48 | 14.83 | 978.65 | DPE System on all wells |
| DPE-8 | 12/3/2008 | 991.48 | 12.56 | 978.92 | pre-system installation |
| DPE-8 | 6/8/2009 | 992.84 | 14.50 | 978.34 | pre-system startup |
| DPE-8 | 7/9/2009 | 992.84 | 14.57 | 978.27 | DPE system on DPE-1 |
| DPE-8 | 7/9/2009 | 992.84 | 14.49 | 978.35 | DPE system temporarily off |
| DPE-8 | 9/4/2009 | 992.84 | 14.29 | 978.55 | DPE system on DPE-1 |
| DPE-8 | 9/4/2009 | 992.84 | 14.31 | 978.53 | DPE-1 on after replacing inlet screen |
| DPE-8 | 9/4/2009 | 992.84 | 14.28 | 978.56 | DPE-1 on after replacing inlet filter |
| DPE-8 | 10/15/2009 | 992.84 | 14.01 | 978.83 | DPE system on DPE-1 |
| DPE-8 | 10/23/2009 | 992.84 | 13.18 | 979.66 | DPE system off |
| DPE-8 | 11/16/2009 | 992.84 | 13.30 | 979.54 | DPE System on all wells |
| DPE-8 | 12/17/2009 | 992.84 | 15.31 | 977.53 | DPE System on all wells |
| DPE-8 | 1/14/2010 | 992.84 | 16.58 | 976.26 | DPE System on all wells |
| DPE-8 | 2/22/2010 | 992.84 | 14.19 | 978.65 | DPE System on all wells |
| DPE-8 | 3/25/2010 | 992.84 | 15.72 | 977.12 | DPE System on all wells |
| DPE-8 | 4/16/2010 | 992.84 | 16.20 | 976.64 | DPE System on all wells |
| DPE-8 | 5/12/2010 | 992.84 | 16.61 | 976.23 | DPE System on all wells |
| DPE-8 | 6/17/2010 | 992.84 | 16.92 | 975.92 | DPE System on all wells |
| DPE-8 | 8/18/2010 | 992.84 | 17.21 | 975.63 | DPE System on all wells |
| DPE-8 | 9/27/2010 | 992.84 | 14.75 | 978.09 | DPE System on all wells |
| DPE-8 | 11/18/2010 | 992.84 | 15.37 | 977.47 | DPE System not operating |
| DPE-8 | 12/22/2010 | 992.84 | 15.40 | 977.44 | DPE System restarted |
| DPE-8 | 1/6/2011 | 992.84 | 15.18 | 977.66 | DPE System on all wells |
| DPE-8 | 1/20/2011 | 992.84 | 16.15 | 976.69 | DPE System on all wells |
| DPE-8 | 2/28/2011 | 992.84 | 16.78 | 976.06 | DPE System on all wells |
| DPE-8 | 3/7/2011 | 992.84 | 15.81 | 977.03 | DPE System on all wells |
| DPE-8 | 3/18/2011 | 992.84 | 15.71 | 977.13 | DPE System on all wells |
| DPE-8 | 3/23/2011 | 992.84 | 14.20 | 978.64 | DPE System on all wells |
| Elevator Drantile Sump | 6/8/2009 | 989.58 | 7.00 | 982.58 | pre-system startup |
| Elevator Drantile Sump | 6/25/2009 | 990.20 | 6.34 | 983.86 | pre-system startup |

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 | 7/9/2009 | 990.20 | 6.38 | 983.82 | DPE system on DPE-1 |
| Elevator Draintile Sump | 9/4/2009 | 990.20 | 6.29 | 983.91 | DPE system on DPE-1 |
| Elevator Draintile Sump | 10/15/2009 | 990.20 | 6.18 | 984.02 | DPE system on DPE-1 |
| Elevator Draintile Sump | 10/23/2009 | 990.20 | 6.08 | 984.12 | DPE system off |
| Elevator Draintile Sump | 11/16/2009 | 990.20 | 5.72 | 984.48 | DPE System on all wells |
| Elevator Draintile Sump | 12/17/2009 | 990.20 | 6.48 | 983.72 | DPE System on all wells |
| Elevator Draintile Sump | 1/14/2010 | 990.20 | 6.46 | 983.74 | DPE System on all wells |
| Elevator Draintile Sump | 2/22/2010 | 990.20 | 6.81 | 983.39 | DPE System on all wells |
| Elevator Draintile Sump | 3/25/2010 | 990.20 | 6.88 | 983.32 | DPE System on all wells |
| Elevator Draintile Sump | 4/16/2010 | 990.20 | 6.91 | 983.29 | DPE System on all wells |
| Elevator Draintile Sump | 5/12/2010 | 990.20 | 7.01 | 983.19 | DPE System on all wells |
| Elevator Draintile Sump | 6/17/2010 | 990.20 | 6.88 | 983.32 | DPE System on all wells |
| Elevator Draintile Sump | 8/18/2010 | 990.20 | 6.72 | 983.48 | DPE System on all wells |
| Elevator Draintile Sump | 9/27/2010 | 990.20 | 6.02 | 984.18 | DPE System on all wells |
| Elevator Draintile Sump | 11/18/2010 | 990.20 | 6.59 | 983.61 | DPE System not operating |

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 | 12/22/2010 | 990.20 | 6.48 | 983.72 | DPE System restarted |
| Elevator Draintile Sump | 1/6/2011 | 990.20 | NA | NA | DPE System on all wells |
| Elevator Draintile Sump | 1/20/2011 | 990.20 | 6.84 | 983.36 | DPE System on all wells |
| Elevator Draintile Sump | 2/28/2011 | 990.20 | 7.03 | 983.17 | DPE System on all wells |
| Elevator Draintile Sump | 3/7/2011 | 990.20 | 6.91 | 983.29 | DPE System on all wells |
| Elevator Draintile Sump | 3/18/2011 | 990.20 | 6.97 | 983.23 | DPE System on all wells |
| Elevator Draintile Sump | 3/23/2011 | 990.20 | 6.76 | 983.44 | DPE System on all wells |
| | | | | | |

Notes:

NR: Not Recorded

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

TABLE 8

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

MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

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

Notes:

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

TABLE 9

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

| Sample ID | Date | PCE Conc. (ug/L) | % Change |
|------------------|-------------|---------------------------------|---------------------|
| MW-14 | 12/3/2008 | 30.6 | |
| | 6/29/2009 | 30.6 | |
| | 10/1/2009 | 4.2 | -86.3 |
| | 11/16/2009 | 7.1 | -76.8 |
| | 2/23/2010 | 3.0 | -90.2 |
| | 5/12/2010 | 3.1 | -89.9 |
| | 8/18/2010 | 1.8 | -94.1 |
| | 11/18/2010 | 4.8 | -84.3 |
| | 3/1/2011 | 6.6 | -78.4 |
| MW-15 | 12/10/2008 | 104 | |
| | 6/29/2009 | 104 | |
| | 10/1/2009 | 15.7 | -84.9 |
| | 11/16/2009 | 9.5 | -90.9 |
| | 2/22/2010 | 5.7 | -94.5 |
| | 5/12/2010 | 2.8 | -97.3 |
| | 8/18/2010 | 1.3 | -98.8 |
| | 11/18/2010 | <1.0 | -100.0 |
| | 3/1/2011 | 3.3 | -96.8 |
| MW-16 | 12/3/2008 | 14,100 | |
| | 6/29/2009 | 14,100 | |
| | 10/1/2009 | 6,890 | -51.1 |
| | 11/16/2009 | 21,000 | 48.9 |
| | 2/22/2010 | 4,390 | -68.9 |
| | 5/12/2010 | 815 | -94.2 |
| | 8/18/2010 | 696 | -95.1 |
| | 11/18/2010 | 322 | -97.7 |
| | 3/1/2011 | 2,120 | -85.0 |
| MW-17 | 12/3/2008 | 363 | |
| | 6/29/2009 | 363 | |
| | 10/1/2009 | 803 | 121.2 |
| | 11/16/2009 | 1,100 | 203.0 |
| | 2/22/2010 | 639 | 76.0 |
| | 5/12/2010 | 412 | 13.5 |
| | 8/18/2010 | 174 | -52.1 |
| | 11/18/2010 | 145 | -60.1 |
| | 3/1/2011 | 209 | -42.4 |

TABLE 9

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

| Sample ID | Date | PCE Conc. (ug/L) | % Change |
|------------------|-------------|---------------------------------|---------------------|
| MW-18 | 12/3/2008 | 257 | |
| | 6/29/2009 | 257 | |
| | 10/1/2009 | 250 | -2.7 |
| | 11/16/2009 | 130 | -49.4 |
| | 2/22/2010 | 96.8 | -62.3 |
| | 5/12/2010 | 26.0 | -89.9 |
| | 8/18/2010 | 8.4 | -96.7 |
| | 11/18/2010 | 4.8 | -98.1 |
| | 3/1/2011 | 8.6 | -96.7 |
| MW-19 | 12/3/2008 | 2.4 | |
| | 6/29/2009 | 2.4 | |
| | 9/24/2009 | 17.4 | 625.0 |
| | 11/16/2009 | 13.6 | 466.7 |
| | 2/23/2010 | 12.9 | 437.5 |
| | 5/12/2010 | 7.2 | 200.0 |
| | 8/18/2010 | 4.2 | 75.0 |
| | 11/18/2010 | 4.8 | 100.0 |
| 3/1/2011 | 4.8 | 100.0 | |
| MW-20 | 12/10/2008 | 599 | |
| | 6/29/2009 | 599 | |
| | 10/1/2009 | 713 | 19.0 |
| | 11/16/2009 | 307 | -48.7 |
| | 2/23/2010 | 402 | -32.9 |
| | 5/12/2010 | 194 | -67.6 |
| | 8/18/2010 | 74.7 | -87.5 |
| | 11/18/2010 | 50.9 | -91.5 |
| | 3/1/2011 | 211 | -64.8 |
| DPE-1 | 8/7/2008 | 157,000 | |
| | 12/10/2008 | 161,000 | |
| | 6/29/2009 | 161,000 | |
| | 9/28/2009 | 6,820 | -95.8 |
| | 11/16/2009 | 3,330 | -97.9 |
| | 2/22/2010 | 2,610 | -98.4 |
| | 5/13/2010 | 1,700 | -98.9 |
| | 8/18/2010 | 965 | -99.4 |
| | 12/22/2010 | 1,190 | -99.3 |
| | 3/1/2011 | 101 | -99.9 |

TABLE 9

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

| Sample ID | Date | PCE Conc. (ug/L) | % Change |
|------------------|-------------|---------------------------------|---------------------|
| | | | |

TABLE 9

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

| Sample ID | Date | PCE Conc. (ug/L) | % Change |
|------------------|-------------|-------------------------|-----------------|
| DPE-2 | 12/10/2008 | 38,200 | |
| | 6/29/2009 | 38,200 | |
| | 9/28/2009 | 32,000 | -16.2 |
| | 11/17/2009 | 10,600 | -72.3 |
| | 2/22/2010 | 2,710 | -92.9 |
| | 5/13/2010 | 5,800 | -84.8 |
| | 8/18/2010 | 12,100 | -68.3 |
| | 12/22/2010 | 4,690 | -87.7 |
| | 3/1/2011 | 2,990 | -92.2 |
| DPE-3 | 12/10/2008 | 152,000 | |
| | 6/29/2009 | 152,000 | |
| | 9/28/2009 | 20,300 | -86.6 |
| | 11/17/2009 | 34,600 | -77.2 |
| | 2/22/2010 | 806 | -99.5 |
| | 5/13/2010 | 2,240 | -98.5 |
| | 8/18/2010 | 20,400 | -86.6 |
| | 12/22/2010 | 1,450 | -99.0 |
| | 3/1/2011 | 12,700 | -91.6 |
| DPE-4 | 12/10/2008 | 35,600 | |
| | 6/29/2009 | 35,600 | |
| | 9/28/2009 | 7,340 | -79.4 |
| | 11/17/2009 | 5,040 | -85.8 |
| | 2/22/2010 | 429 | -98.8 |
| | 5/13/2010 | 357 | -99.0 |
| | 8/18/2010 | 2,600 | -92.7 |
| | 12/22/2010 | 1,100 | -96.9 |
| | 3/1/2011 | 1,160 | -96.7 |
| DPE-5 | 12/10/2008 | 1,340 | |
| | 6/29/2009 | 1,340 | |
| | 9/24/2009 | 875 | -34.7 |
| | 11/17/2009 | 1,450 | 8.2 |
| | 2/22/2010 | 486 | -63.7 |
| | 5/13/2010 | 205 | -84.7 |
| | 8/18/2010 | 124 | -90.7 |
| | 12/22/2010 | 22 | -98.4 |
| | 3/1/2011 | 339 | -74.7 |

TABLE 9

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

| Sample ID | Date | PCE Conc. (ug/L) | % Change |
|------------------|-------------|---------------------------------|---------------------|
| DPE-6 | 12/10/2008 | 188 | |
| | 6/29/2009 | 188 | |
| | 9/24/2009 | 79.3 | -57.8 |
| | 11/17/2009 | 104 | -44.7 |
| | 2/22/2010 | 57.8 | -69.3 |
| | 5/13/2010 | 14.6 | -92.2 |
| | 8/18/2010 | 21.7 | -88.5 |
| | 12/22/2010 | 77.1 | -59.0 |
| | 3/1/2011 | 3.9 | -97.9 |
| DPE-7 | 12/10/2008 | 22.3 | |
| | 6/29/2009 | 22.3 | |
| | 9/24/2009 | 5.2 | -76.7 |
| | 11/17/2009 | 55.2 | 147.5 |
| | 2/22/2010 | 7.3 | -67.3 |
| | 5/13/2010 | 25.7 | 15.2 |
| | 8/18/2010 | 189 | 747.5 |
| | 12/22/2010 | 23.2 | 4.0 |
| | 3/1/2011 | 7.1 | -68.2 |
| DPE-8 | 12/10/2008 | 14,200 | |
| | 6/29/2009 | 14,200 | |
| | 9/24/2009 | 1,850 | -87.0 |
| | 11/17/2009 | 1,480 | -89.6 |
| | 2/22/2010 | 90.3 | -99.4 |
| | 5/13/2010 | 66.9 | -99.5 |
| | 8/18/2010 | 131.0 | -99.1 |
| | 12/22/2010 | 262.0 | -98.2 |
| | 3/1/2011 | 415.0 | -97.1 |

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

1,620

Parameter detected above laboratory reporting limit

5.2

Parameter detected above MDH Health Risk Limit

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | DPE-6 03/01/11 | DPE-6 12/22/10 | DPE-6 08/18/10 | DPE-6 05/13/10 | DPE-6 02/22/10 | DPE-6 11/17/09 | DPE-6 09/24/09 | DPE-6 12/10/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | 1.5 | <1.0 | <1.0 | <1.0 | <1.0 | 3.5 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | 1.1 | 1.2 | 1.0 | 1.1 | 1.6 | 1.6 | <1.0 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.5 | <1.0 | <2.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 7.3 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | 3.9 | 77.1 | 21.7 | 14.6 | 57.8 | 104 | 79.3 | 188 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.80 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | DPE-7 03/01/11 | DPE-7 12/22/10 | DPE-7 08/18/10 | DPE-7 05/13/10 | DPE-7 02/22/10 | DPE-7 11/17/09 | DPE-7 09/24/09 | DPE-7 12/10/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | 2.2 | 11.9 | 4.0 | 2.7 | 9.8 | 1.6 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | 2.3 | <1.0 | 1.3 | 1.3 | 1.2 | 1.1 | 1.3 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 6.6 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | 7.1 | 23.2 | 189 | 25.7 | 7.3 | 55.2 | 5.2 | 22.3 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | MW-14 03/01/11 | MW-14 11/18/10 | MW-14 08/18/10 | MW-14 05/12/10 | MW-14 02/23/10 | MW-14 11/16/09 | MW-14 10/01/09 | MW-14 12/03/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | 1.1 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | 2.3 | 3.5 | 3.0 | 4.1 | 3.2 | 2.7 | 3.7 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | 14.2 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 7.2 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | 4.8 | 6.6 | 1.8 | 3.1 | 3.0 | 7.1 | 4.2 | 30.6 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | MW-15 03/01/11 | MW-15 11/18/10 | MW-15 08/18/10 | MW-15 05/12/10 | MW-15 02/22/10 | MW-15 11/16/09 | MW-15 10/01/09 | MW-15 12/10/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | 2.0 | <1.0 | 1.5 | 3.3 | 6.4 | 6.4 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 5.1 | <4.0 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | 1.2 | 1.8 | <1.0 | 1.3 | 1.4 | 2.2 | 2.2 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 6.4 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | <1.0 | 3.3 | 1.3 | 2.8 | 5.7 | 9.5 | 15.7 | 104 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

1,620

Parameter detected above laboratory reporting limit

5.2

Parameter detected above MDH Health Risk Limit

TABLE 10

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

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | MW-18 03/01/11 | MW-18 11/18/10 | MW-18 08/18/10 | MW-18 05/12/10 | MW-18 02/22/10 | MW-18 11/16/09 | MW-18 10/01/09 | MW-18 12/03/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | <1.0 | <1.0 | <1.0 | 2.0 | <1.0 | 2.7 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | 12.2 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 7.2 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | 4.8 | 8.6 | 8.4 | 26.0 | 96.8 | 130 | 250 | 257 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <2.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | 1.2 | 2.1 | 2.6 | <2.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.80 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 10

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

| Sample ID | MDH Health Risk Limits 5/09 | MW-19 03/01/11 | MW-19 11/18/10 | MW-19 08/18/10 | MW-19 05/12/10 | MW-19 02/23/10 | MW-19 11/16/09 | MW-19 09/24/09 | MW-19 12/03/08 |
|--------------------------------|-----------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| 1,1,1,2-Tetrachloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,1-Trichloroethane | 9000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2,2-Tetrachloroethane | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichloroethane | 3 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1,2-Trichlorotrifluoroethane | 200000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | 1.9 | 2.4 | NA* |
| 1,1-Dichloroethane | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,1-Dichloroethene | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| 1,1-Dichloropropene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,3-Trichloropropane | 40 | <4.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2,4-Trimethylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dibromo-3-chloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| 1,2-Dibromoethane (EDB) | .004 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichlorobenzene | 600 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloroethane | 4 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,2-Dichloropropane | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3,5-Trimethylbenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichlorobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,3-Dichloropropane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 1,4-Dichlorobenzene | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 2,2-Dichloropropane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| 2-Butanone (MEK) | 4000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | 5.5 | NA* |
| 2-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Chlorotoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| 4-Methyl-2-pentanone (MIBK) | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Acetone | 700 | <25.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Allyl chloride | 30 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Benzene | 2 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromobenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromochloromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromodichloromethane | 6 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Bromoform | 40 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | <8.0 | NA* |
| Bromomethane | 10 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Carbon tetrachloride | 3 | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <4.0 | <1.0 | NA* |
| Chlorobenzene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroethane | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloroform | 30 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Chloromethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | 10.4 | <4.0 | <4.0 | NA* |
| cis-1,2-Dichloroethene | 50 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| cis-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Dibromochloromethane | 10 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dibromomethane | NL | <4.0 | <4.0 | <4.0 | <4.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorodifluoromethane | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Dichlorofluoromethane | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Diethyl ether (Ethyl ether) | 1000 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Ethylbenzene | 700 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Hexachloro-1,3-butadiene | 1 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Isopropylbenzene (Cumene) | 300 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| m&p-Xylene | NL | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | <2.0 | NA* |
| Methylene Chloride | 5 | 5.2 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Methyl-tert-butyl ether | 70 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Naphthalene | 300 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| n-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| n-Propylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| o-Xylene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| p-Isopropyltoluene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| sec-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Styrene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| tert-Butylbenzene | NL | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Tetrachloroethene | 5 | 4.8 | 4.8 | 4.2 | 7.2 | 12.9 | 13.6 | 17.4 | 2.4 |
| Tetrahydrofuran | 100 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | NA* |
| Toluene | 1000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| trans-1,2-Dichloroethene | 100 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| trans-1,3-Dichloropropene | NL | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | <4.0 | NA* |
| Trichloroethene | 5 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 |
| Trichlorofluoromethane | 2000 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | <1.0 | NA* |
| Vinyl chloride | 0.2 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 | <0.40 |
| Xylene (Total) | 10000 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | <3.0 | NA* |

Notes:

NL: No Limit

NA*: Not Analyzed

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

Notes:

NL: No Limit

NA*: Not Analyzed

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

TABLE 11

NATURAL ATTENUATION ANALYTICAL RESULTS (ug/L)

MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota

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

Notes:

Bold: Parameter detected above laboratory reporting limit

NA*: Not Analyzed

TABLE 11

NATURAL ATTENUATION ANALYTICAL RESULTS (ug/L)

MN Bio Business Center
 221 First Avenue SW
 Rochester, Minnesota

| Sample ID | DPE-6 | DPE-6 | DPE-7 | DPE-7 | DPE-8 | DPE-8 | MW14 | MW-14 |
|--------------------------|----------------|---------------|----------------|---------------|----------------|----------------|----------------|----------------|
| Collected Date | 12/10/2008 | 09/24/2009 | 12/10/2008 | 09/24/2009 | 12/10/2008 | 09/24/2009 | 10/01/2009 | 12/03/2008 |
| | 14:29 | 04:30 | 13:15 | 05:00 | 09:30 | 05:30 | 04:00 | 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 | 12/10/2008 | 10/01/2009 | 12/03/2008 | 10/01/2009 | 12/03/2008 | 10/01/2009 | 12/03/2008 |
| | 04:20 | 12:15 | 04:25 | 12:35 | 05:20 | 13:10 | 05:46 | 14:26 |
| Calcium, Dissolved | NA* | 67,700 | NA* | 194,000 | NA* | 76,300 | NA* | 99,000 |
| Dissolved Organic Carbon | 15,700 | <2000 | 49,100 | 3,500 | 9,100 | 7,500 | 5,400 | 8,500 |
| Iron, Dissolved | <50.0 | <50.0 | <50.0 | <50.0 | <50.0 | 50.1 | 88.3 | 4,190 |
| Magnesium, Dissolved | NA* | 18,700 | NA* | 70,200 | NA* | 29,100 | NA* | 52,600 |
| Methane | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 | <10.0 |
| Nitrate as N | 580 | 2,200 | 16,200 | NA* | 3,900 | NA* | <400 | NA* |
| Sulfate | 99,900 | 87,500 | 258,000 | 253,000 | 159,000 | 199,000 | 110,000 | 115,000 |
| Sulfide | <5000 | <5000 | <5000 | <5000 | <5000 | <5000 | <5000 | <5000 |

Notes:

Bold: Parameter detected above laboratory reporting limit

NA*: Not Analyzed

TABLE 11

NATURAL ATTENUATION ANALYTICAL RESULTS (ug/L)

**MN Bio Business Center
221 First Avenue SW
Rochester, Minnesota**

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

Notes:

Bold: Parameter detected above laboratory reporting limit

NA*: Not Analyzed

TABLE 12

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

| Monitoring Well | Date Measured | Temp (Deg. C) | Conductivity @ 25 deg. C (uS/cm) | pH | Redox Potential (Eh) | Dissolved Oxygen | Head Space (ppm) |
|-----------------|---------------|---------------|----------------------------------|------|----------------------|------------------|------------------|
| MW-14 | 12/3/2008 | 15.1 | 735 | 7.41 | 228 | 2.6 | 1.752 |
| MW-14 | 10/1/2009 | 18.8 | 1825 | 7.84 | 181 | 3.6 | NR |
| MW-14 | 11/16/2009 | 19.22 | 1747 | 6.74 | 47.5 | 3.48 | NR |
| MW-14 | 2/23/2010 | 18.51 | 1693 | 7.54 | 186 | 2.8 | NR |
| MW-14 | 5/12/2010 | 18.65 | 1539 | 7.5 | 379 | 5.2 | NR |
| MW-14 | 8/18/2010 | 19.16 | 1088 | 8.24 | 285 | 5.51 | NR |
| MW-14 | 11/18/2010 | 19.54 | 1137 | 6.95 | -42 | 3.49 | NR |
| MW-14 | 3/1/2011 | 18.9 | 996 | 6.2 | 4.3 | 1.34 | NR |
| MW-15 | 12/3/2008 | 13.4 | 735 | 8.18 | 87 | 3.8 | 279 |
| MW-15 | 10/1/2009 | 18.4 | 920 | 8.08 | 167 | 5.22 | NR |
| MW-15 | 11/16/2009 | 19.6 | 1155 | 7.35 | 200 | 4.53 | NR |
| MW-15 | 2/22/2010 | 19.5 | 1506 | 7.82 | 916 | 4.27 | NR |
| MW-15 | 5/12/2010 | 18.56 | 1708 | 7.37 | 84.9 | 6.97 | NR |
| MW-15 | 8/18/2010 | 21.3 | 1593 | 10.6 | 166 | 6.04 | NR |
| MW-15 | 11/18/2010 | 19.7 | 1446 | 6.14 | 25.8 | 4.86 | NR |
| MW-15 | 3/1/2011 | 19.6 | 936 | 7.41 | 16.3 | 2.19 | NR |
| MW-16 | 12/3/2008 | 14.5 | 735 | 8.21 | -45 | 1.9 | 40 |
| MW-16 | 10/1/2009 | 18.27 | 1182 | 7.46 | 214 | 9.68 | NR |
| MW-16 | 11/16/2009 | 18.82 | 4048 | 6.91 | 170 | 3.67 | NR |
| MW-16 | 2/22/2010 | 18.54 | 3238 | 7.31 | 115 | 4.17 | NR |
| MW-16 | 5/12/2010 | 18.52 | 3240 | 7.46 | 209 | 6.29 | NR |
| MW-16 | 8/18/2010 | 19.21 | 2695 | 10.3 | 49 | 6.26 | NR |
| MW-16 | 11/18/2010 | 19.19 | 2935 | 7.61 | -71 | 3.54 | NR |
| MW-16 | 3/1/2011 | 18.93 | 1862 | 7.22 | -23 | 1.94 | NR |
| MW-17 | 12/3/2008 | 14.8 | 735 | 8.99 | -99 | 2.6 | 1.3 |
| MW-17 | 10/1/2009 | 17.8 | 1428 | 8.6 | 175 | 1.99 | NR |
| MW-17 | 11/16/2009 | 17.62 | 1761 | 7.34 | 29 | 1.62 | NR |
| MW-17 | 2/22/2010 | 18.25 | 16.08 | 7.66 | -163 | 2.02 | NR |
| MW-17 | 5/12/2010 | 18.05 | 1707 | 7.21 | -82 | 1.96 | NR |
| MW-17 | 8/18/2010 | 18.29 | 1759 | 10.4 | 15 | 3.51 | NR |
| MW-17 | 11/18/2010 | 18.47 | 2102 | 7.43 | -62 | 2.23 | NR |
| MW-17 | 3/1/2011 | 18.5 | 1425 | 7.21 | -76 | 1.21 | NR |
| MW-18 | 12/3/2008 | 14.9 | 735 | 8.06 | -137 | 3.1 | 1.2 |
| MW-18 | 10/1/2009 | 17.8 | 1497 | 7.75 | 176 | 1.47 | NR |
| MW-18 | 11/16/2009 | 16.46 | 2588 | 6.6 | 54.7 | 1.09 | NR |
| MW-18 | 2/22/2010 | 17.7 | 2061 | 7.41 | -244 | 1.19 | NR |
| MW-18 | 5/12/2010 | 18.11 | 1992 | 6.98 | -122 | 2.21 | NR |
| MW-18 | 8/18/2010 | 17.3 | 1876 | 10.3 | -69 | 0.69 | NR |
| MW-18 | 11/18/2010 | 17.34 | 1640 | 7.51 | -66 | 2.7 | NR |
| MW-18 | 3/1/2011 | 17.4 | 1845 | 6.94 | -46 | 0.61 | NR |

TABLE 12

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

| Monitoring Well | Date Measured | Temp (Deg. C) | Conductivity @ 25 deg. C (uS/cm) | pH | Redox Potential (Eh) | Dissolved Oxygen | Head Space (ppm) |
|-----------------|---------------|---------------|----------------------------------|------|----------------------|------------------|------------------|
| MW-19 | 12/3/2008 | 13.7 | 735 | 7.20 | 219 | 2.2 | 0.13 |
| MW-19 | 10/1/2009 | 15.6 | 3667 | 7.03 | 163 | 225 | NR |
| MW-19 | 11/16/2009 | 15.96 | 3482 | 6.13 | 226 | 3.03 | NR |
| MW-19 | 2/23/2010 | 15.81 | 4277 | 6.88 | 130 | 5.42 | NR |
| MW-19 | 5/12/2010 | 6.4 | 8955 | 6.25 | 332.2 | 43.55 | NR |
| MW-19 | 8/18/2010 | 17.28 | 3147 | 6.44 | 157 | 6.61 | NR |
| MW-19 | 11/18/2010 | 16.99 | 4653 | 6.74 | -25 | 3.71 | NR |
| MW-19 | 3/1/2011 | 17.8 | 3992 | 6.77 | 30.8 | 2.81 | NR |
| MW-20 | 12/3/2008 | 13.1 | 753 | 7.47 | 139 | 1.8 | 3.279 |
| MW-20 | 10/1/2009 | 17.5 | 4008 | 7.31 | 317 | 6.19 | NR |
| MW-20 | 11/16/2009 | 17.31 | 3760 | 6.8 | 288 | 3.85 | NR |
| MW-20 | 2/23/2010 | 16.82 | 4720 | 7.23 | 322 | 5.22 | NR |
| MW-20 | 5/12/2010 | 17.96 | 2410 | 7.16 | 276 | 7.83 | NR |
| MW-20 | 8/18/2010 | 18.3 | 4559 | 10.1 | 182 | 8 | NR |
| MW-20 | 11/18/2010 | 18.39 | 4497 | 7.44 | -62 | 3.88 | NR |
| MW-20 | 3/1/2011 | 16.6 | 3505 | 6.42 | 9.6 | 2.43 | NR |
| DPE-1 | 12/3/2008 | 14.5 | 735 | 8.02 | -4.9 | 0.9 | 10.5 |
| DPE-1 | 9/28/2009 | 18.1 | 2584 | 7.64 | 170 | 4.8 | NR |
| DPE-1 | 11/16/2009 | 18.18 | 2595 | 7.52 | 173 | 4.98 | NR |
| DPE-1 | 2/22/2010 | 17.9 | 1152 | 6.23 | 255.6 | 8.16 | NR |
| DPE-1 | 5/13/2010 | 18.4 | 2428 | 6.41 | 248 | 8.05 | NR |
| DPE-1 | 8/18/2010 | 19.3 | 2242 | 10.4 | 286 | 5.54 | NR |
| DPE-1 | 12/23/2010 | 18.61 | 1982 | 5.96 | -4.7 | 12.57 | 10.1 |
| DPE-1 | 3/1/2011 | 18.2 | 990 | 7.6 | 14.2 | 4.02 | 6.4 |
| DPE-2 | 12/3/2008 | 14.4 | 735 | 7.83 | 109 | 1.9 | 2000 |
| DPE-2 | 9/28/2009 | 18.2 | 2440 | 8 | 81 | 7.82 | NR |
| DPE-2 | 11/17/2009 | 18.15 | 4523 | 6.86 | 114 | 5.43 | NR |
| DPE-2 | 2/22/2010 | 17.5 | 2751 | 7.75 | 283 | 4.57 | NR |
| DPE-2 | 5/13/2010 | 18.1 | 2900 | 7.25 | 268 | 5.59 | NR |
| DPE-2 | 8/18/2010 | 18.7 | 4401 | 10.4 | 258 | 5.07 | NR |
| DPE-2 | 12/23/2010 | 17.6 | 962 | 7.09 | -42 | 11.6 | 2.8 |
| DPE-2 | 3/1/2011 | 18.6 | 1986 | 7.21 | 118 | 3.16 | 15.1 |

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-3 | 12/3/2008 | 13.4 | 735 | 7.96 | 127 | 2.5 | 1684 |
| DPE-3 | 9/28/2009 | 17.3 | 7799 | 7.95 | 158 | 7.05 | NR |
| DPE-3 | 11/17/2009 | 17.43 | 4442 | 7.1 | 208 | 3.32 | NR |
| DPE-3 | 2/22/2010 | 15.4 | 4707 | 7.9 | 310 | 7.59 | NR |
| DPE-3 | 5/13/2010 | 17.1 | 4484 | 7.62 | 270 | 7.36 | NR |
| DPE-3 | 8/18/2010 | 18.4 | 4992 | 10.5 | 277 | 6.31 | NR |
| DPE-3 | 12/23/2010 | 16.2 | 5922 | 7.15 | 17 | 16.23 | 28.2 |
| DPE-3 | 3/1/2011 | 18.8 | 6621 | 7.19 | -0.6 | 2.01 | 23.5 |
| DPE-4 | 12/3/2008 | 13.5 | 735 | 7.84 | 114 | 1.9 | 2000 |
| DPE-4 | 9/28/2009 | 17.14 | 3230 | 8.25 | 87.4 | 8.22 | NR |
| DPE-4 | 11/17/2009 | 17.49 | 4057 | 7.16 | 285 | 5.2 | NR |
| DPE-4 | 2/22/2010 | 17.4 | 2899 | 7.11 | 198 | 7.64 | NR |
| DPE-4 | 5/13/2010 | 17.6 | 3362 | 7.88 | 242 | 8.61 | NR |
| DPE-4 | 8/18/2010 | 18.3 | 3296 | 10.6 | 252 | 6.9 | NR |
| DPE-4 | 12/23/2010 | 17.1 | 3227 | 7.46 | 3.9 | NR | 23.1 |
| DPE-4 | 3/1/2011 | 18.8 | 874 | 7.18 | 144 | 1.9 | 11.5 |
| DPE-5 | 12/3/2008 | 14.3 | 735 | 9.26 | 13 | 0.5 | 1.3 |
| DPE-5 | 9/28/2009 | 17.06 | 2264 | 7.94 | 181 | 0.2 | NR |
| DPE-5 | 11/17/2009 | 18.02 | 2921 | 7.58 | 204 | 4.15 | NR |
| DPE-5 | 2/22/2010 | 16.7 | 3271 | 7.48 | 231 | 6.3 | NR |
| DPE-5 | 5/13/2010 | 17.1 | 3115 | 7.92 | 274 | 7.54 | NR |
| DPE-5 | 8/18/2010 | 18.3 | 2997 | 10.5 | 241 | 3.65 | NR |
| DPE-5 | 12/23/2010 | 17.4 | 2216 | 7.12 | -13 | 10.3 | 17.7 |
| DPE-5 | 3/1/2011 | 18.5 | 776 | 7.21 | 22 | 2.87 | 0 |
| DPE-6 | 12/3/2008 | 14.6 | 735 | 8.12 | 67.1 | 1.9 | 1.2 |
| DPE-6 | 9/28/2009 | 18.6 | 1086 | 8.39 | 98.6 | 9.8 | NR |
| DPE-6 | 11/17/2009 | 18.7 | 1400 | 7.81 | 249 | 6.3 | NR |
| DPE-6 | 2/22/2010 | 17.9 | 1248 | 7.81 | 213 | 5.42 | NR |
| DPE-6 | 5/13/2010 | 18.4 | 1022 | 8.18 | 272 | 5.86 | NR |
| DPE-6 | 8/18/2010 | 19.1 | 559 | 11.1 | 251 | 6.67 | NR |
| DPE-6 | 11/18/2010 | 18.39 | 4497 | 7.44 | -62 | 3.88 | NR |
| DPE-6 | 12/23/2010 | 17.2 | 3341 | 7.11 | -12 | 10.9 | 17.7 |
| DPE-6 | 3/1/2011 | 17.9 | 1048 | 7.09 | -16 | 2.04 | 6.2 |

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-7 | 12/3/2008 | 15.2 | 735 | 7.95 | 92.8 | 0.4 | 2.5 |
| DPE-7 | 9/28/2009 | 17.15 | 2216 | 7.01 | 196 | 2.14 | NR |
| DPE-7 | 11/17/2009 | 19.01 | 2095 | 7.97 | 193 | 5.01 | NR |
| DPE-7 | 2/22/2010 | 18.1 | 1354 | 7.84 | 209 | 5.31 | NR |
| DPE-7 | 5/13/2010 | 18.5 | 1240 | 7.93 | 272 | 5.19 | NR |
| DPE-7 | 8/18/2010 | 19.7 | 1012 | 11.1 | 276 | 4.13 | NR |
| DPE-7 | 11/18/2010 | 19.19 | 2535 | 7.61 | -71 | 3.54 | NR |
| DPE-7 | 12/23/2010 | 17.3 | 5901 | 7.19 | -18 | 9.6 | 10.7 |
| DPE-7 | 3/1/2011 | 18.5 | 996 | 7.01 | -8 | 1.96 | 0 |
| DPE-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 | 16.78 | 3604 | 7.2 | 226 | 5.19 | NR |
| DPE-8 | 2/22/2010 | 16.2 | 2661 | 7.82 | 227 | 7.15 | NR |
| DPE-8 | 5/13/2010 | 17.8 | 2236 | 8.03 | 267 | 9.06 | NR |
| DPE-8 | 8/18/2010 | 17.6 | 3115 | 11 | 262 | 6.68 | NR |
| DPE-8 | 11/18/2010 | NR | NR | NR | NR | NR | NR |
| DPE-8 | 12/23/2010 | 17.3 | 4162 | NR | NR | NR | 11.4 |
| DPE-8 | 3/1/2011 | 18.4 | 872 | 6.92 | 21 | 1.87 | 0.8 |

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 ₂ O) | 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 ₂ O) | Analog | Field | | | | |
| 6/29/2009 | 1640 | DPE-1 | 88.0 | 88.0 | NA | 25 | 20.9 | 0.010 | 134.3 | 6,000 | 25.29 | NA | NR | 24.95 | 24.5 | 24.0 | NR | 0 | 0 | 229 | 200 | NR | 0 | 0 | |
| 9/4/2009 | 805 | DPE-1 | 957.0 | 869.0 | 36.2 | 25 | 24.3 | 0.011 | 109.5 | 1,208,000 | 23.32 | NA | 9.4 | 9.66 | 9.8 | 9.1 | 86 | 0.02 | 0 | 307 | 310 | 34 | 100 | 0 | DPE Pump Screen plugged |
| 9/4/2009 | 946 | DPE-1 | 957.0 | 0.0 | 0.0 | 40 | 36.1 | 0.017 | 120.5 | 1,209,000 | 21.01 | NA | 21.0 | 20.43 | 21.0 | 20.0 | 149 | 0 | 0 | 210 | 248 | >4000 | 100 | 0 | DPE & AS exhaust sampled |
| 9/4/2009 | 1135 | DPE-1 | 959.0 | 2.0 | 0.1 | 25 | 27.3 | 0.013 | 117.2 | 1,212,000 | 22.99 | NA | 22.5 | 22.70 | 22.5 | 22.5 | >150 | 0 | 0 | 275 | 270 | >4000 | 30 | 0 | 1 micron MS filter installed |
| 10/15/2009 | 1120 | DPE-1 | 1899.0 | 940.0 | 39.2 | 35 | 31.6 | 0.015 | 135.9 | 2,658,000 | 23.00 | NA | 22.5 | 22.22 | 22.5 | 22.5 | >150 | 0 | 0 | 283 | 270 | ND | 20 | 0 | Exhaust sampled |
| 10/16/2009 | 621 | DPE-1 | 1911.0 | 12.0 | 0.5 | 35 | 32.4 | 0.015 | 142.2 | 2,684,000 | 23.14 | NA | 22.5 | 22.35 | 22.5 | 22.0 | >150 | NR | 0 | 291 | 299 | ND | 100 | 0 | 6-hr composite air sample collected |
| 10/23/2009 | 922 | DPE-3 | 1924.0 | 13.0 | 0.5 | 70 | 70.6 | 0.033 | 143.0 | 2,715,000 | 15.23 | NA | 14.1 | 14.58 | 14.0 | 13.8 | 90 | 0 | NR | 199 | 190 | ND | 100 | 0 | |
| 11/17/2009 | 1800 | DPE-1 | 2361.0 | 437.0 | 18.2 | 30 | 28.6 | 0.013 | 144.2 | 3,992,000 | 24.02 | NA | 23.5 | 23.01 | 23.5 | 23.0 | >150 | 0.00 | 0 | 301 | 300 | >4000 | 100 | 0 | 6-hr composite air sample collected |
| 12/17/2009 | 907 | DPE-5 | 2960.0 | 599.0 | 25.0 | NR | 62.1 | 0.029 | 177.8 | 6,218,000 | 19.53 | NA | 19.0 | 18.70 | 18.9 | 18.9 | 155 | 0.00 | 0 | 247 | 248 | 850 | NR | 0 | 6-hr composite air sample collected |
| 12/28/2009 | 1300 | DPE-2 | 3228.0 | 268.0 | 11.2 | 60 | 60.7 | 0.029 | 187.9 | 7,333,000 | 20.31 | NA | 17.2 | 17.21 | 17.20 | 17.2 | 122 | 0.00 | 0 | 266 | 268 | 720 | NR | 0 | |
| 1/14/2010 | 923 | DPE-5 | 3568.0 | 340.0 | 14.2 | 100 | 97.8 | 0.046 | 201.1 | 8,769,000 | 15.45 | NA | 14.9 | 14.46 | NR | 14.9 | 98 | 0.00 | 0 | 182 | 156 | NR | NR | 0 | 6-hr composite air sample collected |
| 1/27/2010 | NR | DPE-7 | 3789.0 | 221.0 | 9.2 | 75 | 88.6 | 0.042 | 215.3 | 9,633,000 | 17.68 | NA | 18.0 | 16.87 | 16.00 | 16.0 | 68 | 0.00 | 0 | 156 | 165 | NR | NR | 0 | |
| 2/22/2010 | 800 | DPE-8 | 4161.0 | 372.0 | 15.5 | 105 | 101.5 | 0.048 | 224.8 | 11,221,000 | 16.49 | NA | 15.5 | 15.33 | 14.50 | 14.5 | 91 | 0.00 | 0 | 215 | 219 | ND | NR | 0 | 6-hr composite air sample collected |
| 3/9/2010 | NR | DPE-8 | 4472.0 | 311.0 | 13.0 | 105 | 103.6 | 0.049 | 226.1 | 12,597,000 | 16.29 | NA | 15.8 | 15.64 | 15.10 | 14.8 | NR | 0.00 | NR | 160 | 161 | NR | NR | 0 | Pump inlet screen removed; DPE oil changed |
| 3/25/2010 ¹ | 742 | DPE-2 | 4868.0 | 396.0 | 16.5 | 110 | 110.1 | 0.052 | 243.2 | 14,285,000 | 16.45 | NA | 16.1 | 15.66 | 15.10 | 14.9 | 165 | 0.02 | 0 | 251 | 248 | 105 | 100 | 0 | 6-hr composite air sample collected |
| 4/16/2010 | 731 | DPE-3 | 5308.0 | 440.0 | 18.3 | 72 | 72.7 | 0.034 | 218.0 | 16,587,000 | 20.00 | 18.5 | 18.5 | 19.21 | 18.00 | 18.0 | 130 | 0.03 | 0 | 255 | 251 | 17.5 | 100 | 0 | 6-hr composite air sample collected |
| 5/12/2010 | 1330 | DPE-5 | 5908.0 | 600.0 | 25.0 | 135 | 132.4 | 0.062 | 293.5 | 19,502,000 | 16.50 | 16.1 | 15.8 | 15.61 | 14.90 | 15.0 | 75 | 0.07 | 0 | 222 | 224 | 0.8 | 100 | 0 | 6-hr composite air sample collected |
| 6/17/2010 | 1047 | DPE-2 | 6768.0 | 860.0 | 35.8 | 35 | 36.9 | 0.017 | 146.6 | 22,356,000 | 22.43 | 22.5 | 22 | 21.38 | 21.00 | 21.0 | 210 | 0.08 | 0 | 287 | 276 | 8.5 | 100 | 0 | 6-hr composite air sample collected |
| 7/26/2010 | 1100 | DPE-8 | 7671.0 | 903.0 | 37.6 | 105 | 99.8 | 0.047 | 225.3 | 25,890,000 | 16.74 | 16.5 | 16.5 | 15.91 | 15.00 | 14.5 | 80 | 0.10 | 0 | 226 | 220 | 3.8 | 100 | 0 | 3-hr composite air sample collected due to flow controller malfunction |
| 9/27/2010 | 1530 | DPE-5 | 8222.0 | 551.0 | 23.0 | 135 | 122.7 | 0.058 | 257.6 | 28,334,000 | 15.75 | 15.0 | 15.0 | 14.93 | 14.00 | 14.0 | 90 | 0.02 | 0 | 211 | 210 | >4000 | 100 | 0 | 30-minute composite air sample collected due to flow controller malfunction |
| 10/18/2010 | 950 | DPE-5 | 8662.0 | 440.0 | 18.3 | 130 | 128.3 | 0.061 | 275.4 | 30,379,000 | 16.06 | 15.1 | 15.1 | 15.31 | 15.00 | 15.0 | 100 | 0.00 | 0 | 200 | 198 | ND | 100 | 0 | 6-hr composite air sample collected |
| 12/22/2010 | 1200 | DPE-1 | 9378.0 | 716.0 | 29.8 | 50 | 51.5 | 0.024 | 219.8 | 37,039,000 | 22.95 | NR | 23.0 | 22.02 | 22.00 | 22.0 | 60 | 0.02 | 0 | 229 | 209 | 10.1 | 100 | 0 | 6-hr composite air sample collected |
| 1/6/2011 | 800 | DPE-1 | 9717.0 | 339.0 | 14.1 | 75 | 75.5 | 0.036 | 264.3 | 41,669,000 | 21.42 | 24.5 | 20.5 | 20.49 | 20.50 | 19.0 | 54 | 0.00 | 0 | 164 | 151 | 17.8 | 100 | 0 | |
| 1/20/2011 | 800 | DPE-8 | 10034.0 | 317.0 | 13.2 | 120 | 119 | 0.056 | 252.2 | 44,097,000 | 15.88 | 15.0 | 15.0 | 15.12 | NR | 14.5 | 14 | 0.00 | 0 | 202 | 186 | 3.1 | 100 | 0 | 6-hr composite air sample collected |
| 2/27/2011 | 1100 | DPE-8 | 10969.0 | 935.0 | 39.0 | 100 | 103.6 | 0.049 | 257.7 | 48,884,000 | 17.96 | 18.0 | 16.5 | 17.07 | 16.50 | 16.5 | 84 | 0.00 | 0 | 224 | 218 | 0.8 | 100 | 0 | 6-hr composite air sample collected |
| 3/7/2011 | 800 | DPE-5 | 11014.0 | 45.0 | 1.9 | 115 | 117.8 | 0.056 | 271.7 | 49,157,000 | 17.02 | NR | 16.0 | 16.15 | 15.50 | 15.5 | 115 | 0.00 | 0 | 110 | 112 | 22.7 | 100 | 0 | |
| 3/18/2011 | 1330 | DPE-1 | 11274.0 | 260.0 | 10.8 | 55 | 55 | 0.026 | 187.0 | 50,861,000 | 21.17 | 22.0 | 21.5 | 21.17 | 19.50 | 19.5 | 55 | 0.00 | 0 | 235 | 213 | 3.0 | 100 | 0 | |
| 3/23/2011 | 900 | DPE-7 | 11277.0 | 3.0 | 0.1 | 75 | 72.7 | 0.034 | 188.6 | 50,872,000 | 18.45 | 18.5 | 17.0 | 17.44 | 16.00 | 16.5 | 30 | 0.00 | 0 | 209 | 185 | 8.6 | 100 | 0 | 6-hr composite air sample collected |

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 | 11.09 | 11.2 | 28.0 | 300 | NR | |
| 12/17/2009 | 907 | 49 | 175 | 89,800 | 92,293 | NR | 10.3 | 30.8 | 330 | NR | |
| 12/28/2009 | 1300 | 49 | 187 | 97,028 | 99,694 | NR | 11.0 | NR | 330 | NR | |
| 1/14/2010 | 923 | 49 | 202 | 106,024 | 108,984 | NR | 10.7 | 36.0 | 330 | NR | |
| 1/27/2010 | NR | 49 | 210 | 111,633 | 114,661 | 12.85 | 12.2 | 16.0 | 330 | NR | |
| 2/22/2010 | 8:00 | 49 | 232 | 122,167 | 128,552 | 12.90 | 12.9 | 14.0 | 330 | 500 | |
| 3/9/2010 | NR | 50 | 255 | 131,361 | 137,839 | 12.91 | 12.9 | 14.0 | 330 | NR | |
| 3/25/2010 | 742 | 50 | 270 | 141,405 | 148,206 | NR | 12.9 | 15.0 | 330 | 500 | |
| 4/16/2010 | 731 | 50 | 287 | 154,622 | 161,857 | 12.85 | 12.9 | 14.0 | 330 | 500 | |
| 5/12/2010 | 1330 | 50 | 308 | 170,079 | 177,797 | 12.83 | 12.9 | 14.0 | 330 | 500 | |
| 6/17/2010 | 1047 | 50 | 337 | 191,958 | 200,398 | 13.90 | 12.9 | 14.0 | 330 | 500 | |
| 7/26/2010 | 1100 | 50 | 371 | 217,314 | 226,504 | 12.94 | 13.1 | 15.0 | 330 | 500 | |
| 9/27/2010 | 1030 | 50 | 389 | 228,896 | 240,247 | 13.19 | 13.2 | 14.0 | 350 | 514.9 | |
| 10/18/2010 | 950 | 50 | 408 | 243,396 | 255,417 | 12.70 | 12.9 | 14.0 | 350 | 514.9 | |
| 12/22/2010 | 1200 | 50 | 445 | 270,572 | 283,957 | 12.85 | 12.9 | 14.0 | 450 | 514.9 | |
| 1/6/2011 | NR | 50 | 484 | 292,343 | 306,476 | 12.68 | 12.7 | 14.0 | 450 | NR | |
| 1/20/2011 | 800 | 50 | 504 | 314,178 | 328,912 | 12.84 | 12.8 | 14.0 | 460 | 514.9 | |
| 2/27/2011 | 1100 | 50 | 547 | 342,283 | 357,774 | 12.77 | 12.8 | 14.0 | 470 | 542.0 | |
| 3/7/2011 | 800 | 170 | 549 | 343,924 | 359,443 | 12.79 | 12.7 | 14.0 | 470 | 531.0 | |
| 3/18/2011 | 1330 | 170 | 562 | 350,182 | 369,445 | 13.30 | 12.5 | 17.0 | 470 | 541.0 | |
| 3/23/2011 | 900 | 171 | 562 | 350,324 | 369,603 | 12.60 | 12.6 | 20.0 | 470 | 541.0 | |

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 ₂ O) | AS Exhaust Pressure (in. H ₂ O) | AS Discharge Pump Pressure (psi) | AS Exhaust PID (ppm) | Comments |
|------------|------|-----------------|-------------------------|---|--|----------------------------------|----------------------|----------|
| 9/27/2010 | 1030 | 2578 | 192 | 18 | 7 | 25 | ND | |
| 10/18/2010 | 950 | 2742 | 204 | 24 | 5 | 18 | ND | |
| 12/22/2010 | 1200 | 3049 | 226 | 18 | 9 | 24 | ND | |
| 1/6/2011 | 800 | NR | 244 | 18 | 7 | 25 | ND | |
| 1/20/2011 | 800 | 3524 | 263 | 18 | 6 | 24 | ND | |
| 2/27/2011 | 1100 | 3867 | 288 | 17 | 9 | 26 | ND | |
| 3/7/2011 | 800 | 3885 | 289 | 18 | 9 | 25 | ND | |
| 3/18/2011 | 1330 | 4060 | 298 | 17 | 10 | 25 | ND | |
| 3/23/2011 | 900 | 4060 | 298 | 17 | 8 | 26 | ND | |

Notes:

NR: Not recorded.

NP: Not pumping.

ND: Not detected.

Attachment A - Table 4

DPE Well Casing Vacuum Data (in. H₂O)
 MN Bio Business Center
 221 1st Avenue SW
 Rochester, Minnesota

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

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-1 | 17-Jun-10 | 32.1 | 30.0 | 22 |
| DPE-1* | 26-Jul-10 | 1.4 | 40.0 | 19 |
| DPE-1 | 27-Sep-10 | >1750 | 82.0 | 18.23 |
| DPE-1 | 18-Oct-10 | 25.0 | 40.0 | 20 |
| DPE-1 | 22-Dec-10 | 10.1 | 55.0 | 22.95 |
| DPE-1 | 6-Jan-11 | 17.8 | 82.0 | 20.2 |
| DPE-1 | 20-Jan-11 | 12.1 | 55.0 | 20.9 |
| DPE-1 | 27-Feb-11 | 6.4 | 61.0 | 20.66 |
| DPE-1 | 7-Mar-11 | 33.4 | 50.0 | 21.23 |
| DPE-1 | 18-Mar-11 | 3.0 | 57.0 | 21.1 |
| DPE-1 | 23-Mar-11 | 1.3 | 40.0 | 21 |
| | | | | |
| DPE-2 | 27-Oct-09 | 50.6 | 40.0 | 19.00 |
| DPE-2 | 16-Nov-09 | 0.0 | 39.0 | 22.13 |
| DPE-2 | 17-Dec-09 | 11.8 | NR | NR |
| DPE-2 | 28-Dec-09 | 720.0 | NR | NR |
| DPE-2 | 14-Jan-10 | NR | NR | NR |
| DPE-2 | 22-Feb-10 | 27.1 | 45.0 | 21.5 |
| DPE-2 | 25-Mar-10 | 10.5 | 50.0 | 22 |
| DPE-2 | 16-Apr-10 | 6.0 | 50.0 | 21 |
| DPE-2 | 12-May-10 | 10.1 | 55.0 | 22 |
| DPE-2 | 17-Jun-10 | 8.5 | 35.0 | 20 |
| DPE-2 | 26-Jul-10 | 0.6 | 40.0 | 22 |
| DPE-2 | 27-Sep-10 | >4000 | 52.4 | 20.98 |
| DPE-2 | 18-Oct-10 | 15.7 | 55.0 | 19 |
| DPE-2 | 22-Dec-10 | 2.8 | 70.0 | 22.14 |
| DPE-2 | 6-Jan-11 | 23.6 | 76.0 | 20.2 |
| DPE-2 | 20-Jan-11 | 2.6 | 55.0 | 21.5 |
| DPE-2 | 27-Feb-11 | 15.1 | 64.0 | 20.8 |
| DPE-2 | 7-Mar-11 | 19.8 | 50.0 | 21.34 |
| DPE-2 | 18-Mar-11 | 2.1 | 55.0 | 21.2 |
| DPE-2 | 23-Mar-11 | 1.2 | 40.0 | 21 |
| | | | | |

Attachment A - Table 5

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

| Well ID | Date | PID (ppm) | DPE Exhaust Flow Rate (scfm) | DPE Pump Inlet Vacuum (in. Hg) |
|---------|-----------|-----------|------------------------------|--------------------------------|
| DPE-3 | 27-Oct-09 | 15.7 | 73.0 | 15.00 |
| DPE-3 | 16-Nov-09 | 1,600.0 | 65.0 | 18.94 |
| DPE-3 | 17-Dec-09 | 57.5 | NR | NR |
| DPE-3 | 28-Dec-09 | 22.8 | NR | NR |
| DPE-3 | 14-Jan-10 | NR | NR | NR |
| DPE-3 | 22-Feb-10 | 43.4 | 70.0 | 19.5 |
| DPE-3 | 25-Mar-10 | 31.4 | 70.0 | 19 |
| DPE-3 | 16-Apr-10 | 17.5 | 75.0 | 18 |
| DPE-3 | 12-May-10 | 23.7 | 80.0 | 20 |
| DPE-3 | 17-Jun-10 | 18.1 | 55.0 | 18 |
| DPE-3 | 26-Jul-10 | 0.0 | 65.0 | 17.5 |
| DPE-3 | 27-Sep-10 | >3260 | 68.6 | 19.5 |
| DPE-3 | 18-Oct-10 | 36.4 | 85.0 | 17.5 |
| DPE-3 | 22-Dec-10 | 28.2 | 78.0 | 21.75 |
| DPE-3 | 6-Jan-11 | 23.9 | 109.0 | 18.5 |
| DPE-3 | 20-Jan-11 | 4.5 | 77.0 | 18.6 |
| DPE-3 | 27-Feb-11 | 23.3 | 82.0 | 18.8 |
| DPE-3 | 7-Mar-11 | 25.6 | 55.0 | 20.1 |
| DPE-3 | 18-Mar-11 | 8.4 | 65.0 | 18.7 |
| DPE-3 | 23-Mar-11 | 5.8 | 65.0 | 18.5 |
| | | | | |
| DPE-4 | 27-Oct-09 | 23.9 | 35.0 | 22.00 |
| DPE-4 | 16-Nov-09 | 3.7 | 28.6 | 23.94 |
| DPE-4 | 17-Dec-09 | 4,000.0 | NR | NR |
| DPE-4 | 28-Dec-09 | 3.4 | NR | NR |
| DPE-4 | 14-Jan-10 | NR | NR | NR |
| DPE-4 | 22-Feb-10 | 13.5 | 60.0 | 20.5 |
| DPE-4 | 25-Mar-10 | 55.3 | 55.0 | 22 |
| DPE-4 | 16-Apr-10 | 4,000.0 | 70.0 | 18 |
| DPE-4 | 12-May-10 | 7.0 | 70.0 | 21 |
| DPE-4 | 17-Jun-10 | 0.0 | 45.0 | 21 |
| DPE-4 | 26-Jul-10 | 19.0 | 60.0 | 20 |
| DPE-4 | 27-Sep-10 | >2300 | 58.3 | 20.28 |
| DPE-4 | 18-Oct-10 | ND | 64.0 | 17.5 |
| DPE-4 | 22-Dec-10 | 23.1 | 80.0 | 21.25 |
| DPE-4 | 6-Jan-11 | 13.8 | 102.0 | 19 |
| DPE-4 | 20-Jan-11 | 3.2 | 72.0 | 19 |
| DPE-4 | 27-Feb-11 | 11.5 | 67.0 | 20.2 |
| DPE-4 | 7-Mar-11 | 27.9 | 60.0 | 20.45 |
| DPE-4 | 18-Mar-11 | 5.9 | 62.0 | 19 |
| DPE-4 | 23-Mar-11 | 6.2 | 60.0 | 19.5 |
| | | | | |

Attachment A - Table 5

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

| Well ID | Date | PID (ppm) | DPE Exhaust Flow Rate (scfm) | DPE Pump Inlet Vacuum (in. Hg) |
|---------|-----------|-----------|------------------------------|--------------------------------|
| DPE-5 | 27-Oct-09 | 3.8 | 40.0 | 22.00 |
| DPE-5 | 16-Nov-09 | 4,000.0 | 30.4 | 23.88 |
| DPE-5 | 17-Dec-09 | 850.0 | NR | NR |
| DPE-5 | 28-Dec-09 | 4,000.0 | NR | NR |
| DPE-5 | 14-Jan-10 | NR | NR | NR |
| DPE-5 | 22-Feb-10 | ND | 100.0 | 16 |
| DPE-5 | 25-Mar-10 | 5.7 | 75.0 | 18 |
| DPE-5 | 16-Apr-10 | 4,000.0 | 120.0 | 14.5 |
| DPE-5 | 12-May-10 | 0.8 | 115.0 | 18 |
| DPE-5 | 17-Jun-10 | 0.0 | 75.0 | 16 |
| DPE-5 | 26-Jul-10 | 5.7 | 100.0 | 15 |
| DPE-5 | 27-Sep-10 | >4000 | 119.0 | 15.78 |
| DPE-5 | 18-Oct-10 | ND | 125.0 | 15 |
| DPE-5 | 22-Dec-10 | 17.7 | 150.0 | 15.8 |
| DPE-5 | 6-Jan-11 | 1.5 | 130.0 | 17 |
| DPE-5 | 20-Jan-11 | 12.8 | 109.0 | 15.5 |
| DPE-5 | 27-Feb-11 | 0.0 | 104.0 | 16.9 |
| DPE-5 | 7-Mar-11 | 22.7 | 117.0 | 16.15 |
| DPE-5 | 18-Mar-11 | 3.3 | 95.0 | 15.8 |
| DPE-5 | 23-Mar-11 | 4.1 | 90.0 | 16.5 |
| | | | | |
| DPE-6 | 27-Oct-09 | ND | 55.0 | 17.00 |
| DPE-6 | 16-Nov-09 | 4,000.0 | 66.9 | 18.78 |
| DPE-6 | 17-Dec-09 | 1,680.0 | NR | NR |
| DPE-6 | 28-Dec-09 | 901.0 | NR | NR |
| DPE-6 | 14-Jan-10 | NR | NR | NR |
| DPE-6 | 22-Feb-10 | 7.1 | 65.0 | 19 |
| DPE-6 | 25-Mar-10 | 0.0 | 70.0 | 20 |
| DPE-6 | 16-Apr-10 | 4,000.0 | 75.0 | 18.1 |
| DPE-6 | 12-May-10 | 0.0 | 90.0 | 19 |
| DPE-6 | 17-Jun-10 | 0.0 | 50.0 | 19 |
| DPE-6 | 26-Jul-10 | 4.4 | 60.0 | 18 |
| DPE-6 | 27-Sep-10 | >4000 | 92.0 | 18.08 |
| DPE-6 | 18-Oct-10 | 10.2 | 80.0 | 18.5 |
| DPE-6 | 22-Dec-10 | 11.4 | 105.0 | 19.8 |
| DPE-6 | 6-Jan-11 | 2.8 | 110.0 | 19 |
| DPE-6 | 20-Jan-11 | 6.3 | 108.0 | 18 |
| DPE-6 | 27-Feb-11 | 6.2 | 100.0 | 18.1 |
| DPE-6 | 7-Mar-11 | 16.5 | 75.0 | 19.29 |
| DPE-6 | 18-Mar-11 | 2.8 | 65.0 | 19 |
| DPE-6 | 23-Mar-11 | 6.7 | 63.0 | NR |
| | | | | |

Attachment A - Table 5

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

| Well ID | Date | PID (ppm) | DPE Exhaust Flow Rate (scfm) | DPE Pump Inlet Vacuum (in. Hg) |
|---------|-----------|-----------|------------------------------|--------------------------------|
| DPE-7 | 27-Oct-09 | ND | 60.0 | 16.00 |
| DPE-7 | 16-Nov-09 | 4,000.0 | 75.5 | 17.70 |
| DPE-7 | 17-Dec-09 | 490.0 | NR | NR |
| DPE-7 | 28-Dec-09 | 905.0 | NR | NR |
| DPE-7 | 14-Jan-10 | NR | NR | NR |
| DPE-7 | 22-Feb-10 | ND | 80.0 | 17.5 |
| DPE-7 | 25-Mar-10 | 0.0 | 90.0 | 17 |
| DPE-7 | 16-Apr-10 | 4,000.0 | 115.0 | 11 |
| DPE-7 | 12-May-10 | 0.0 | 110.0 | 18 |
| DPE-7 | 17-Jun-10 | 0.0 | 70.0 | 18 |
| DPE-7 | 26-Jul-10 | 0.1 | 75.0 | 17 |
| DPE-7 | 27-Sep-10 | >4000 | 96.7 | 17.18 |
| DPE-7 | 18-Oct-10 | ND | 105.0 | 15.5 |
| DPE-7 | 22-Dec-10 | 10.7 | 65.0 | 22 |
| DPE-7 | 6-Jan-11 | 2.4 | 130.0 | 17.5 |
| DPE-7 | 20-Jan-11 | 0.4 | 100.0 | 18.21 |
| DPE-7 | 27-Feb-11 | 0.0 | 90.0 | 17.9 |
| DPE-7 | 7-Mar-11 | 29.1 | 95.0 | 16.2 |
| DPE-7 | 18-Mar-11 | 3.1 | 75.0 | 17 |
| DPE-7 | 23-Mar-11 | 8.6 | 70.0 | 17.5 |
| | | | | |
| DPE-8 | 27-Oct-09 | ND | 45.0 | 22.00 |
| DPE-8 | 16-Nov-09 | 4,000.0 | 29.3 | 23.87 |
| DPE-8 | 17-Dec-09 | 559.0 | NR | NR |
| DPE-8 | 28-Dec-09 | 595.0 | NR | NR |
| DPE-8 | 14-Jan-10 | NR | NR | NR |
| DPE-8 | 22-Feb-10 | ND | 100.0 | 16 |
| DPE-8 | 25-Mar-10 | 4,000.0 | 105.0 | 16 |
| DPE-8 | 16-Apr-10 | 4,000.0 | NA | NA |
| DPE-8 | 12-May-10 | 0.0 | 130.0 | 16.5 |
| DPE-8 | 17-Jun-10 | 0.0 | 85.0 | 14 |
| DPE-8 | 26-Jul-10 | 3.8 | 105.0 | 14.5 |
| DPE-8 | 27-Sep-10 | >4000 | 125.5 | 15.91 |
| DPE-8 | 18-Oct-10 | ND | 65.0 | 19.5 |
| DPE-8 | 22-Dec-10 | 11.4 | 150.0 | 15.08 |
| DPE-8 | 6-Jan-11 | 10.2 | 140.0 | 16 |
| DPE-8 | 20-Jan-11 | 3.1 | 128.0 | 15.92 |
| DPE-8 | 27-Feb-11 | 0.8 | 97.0 | 17.8 |
| DPE-8 | 7-Mar-11 | 44.6 | 95.0 | 17.5 |
| DPE-8 | 18-Mar-11 | 3.1 | 80.0 | 16 |
| DPE-8 | 23-Mar-11 | 7.4 | 90.0 | 15.5 |
| | | | | |

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

Attachment A - Table 6

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

| Location | Date | Total Well Depth (ft below TOC) | Static Water Level (ft below TOC) | Static Water Column Thickness (ft) | Static Water Volume (gallons) | Operating Depth (ft below TOC) | Operating Water Column Thickness (ft) |
|----------|-----------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------------|
| DPE-1 | 23-Oct-09 | 21.9 | 14.88 | 7.02 | 4.6 | 21.8 | 0.1 |
| DPE-1 | 27-Oct-09 | 21.9 | 14.54 | 7.36 | 4.8 | 21.9 | 0.0 |
| DPE-1 | 16-Nov-09 | 21.9 | 14.45 | 7.45 | 4.9 | 21.9 | 0.0 |
| DPE-1 | 17-Dec-09 | 21.9 | 15.13 | 6.77 | 4.4 | 21.8 | 0.1 |
| DPE-1 | 14-Jan-10 | 21.9 | 15.53 | 6.37 | 4.2 | 21.0 | 0.9 |
| DPE-1 | 22-Feb-10 | 21.9 | 12.22 | 9.68 | 6.3 | 21.9 | 0 |
| DPE-1 | 25-Mar-10 | 21.9 | 15.72 | 6.18 | 4.0 | 20.9 | 1 |
| DPE-1 | 16-Apr-10 | 21.9 | 15.88 | 6.02 | 3.9 | 20.34 | 1.56 |
| DPE-1 | 12-May-10 | 21.9 | 16.48 | 5.42 | 3.5 | 21.8 | 0.1 |
| DPE-1 | 17-Jun-10 | 21.9 | 16.62 | 5.28 | 3.4 | NR | NR |
| DPE-1 | 18-Aug-10 | 21.9 | 16.8 | 5.1 | 3.3 | 22 | -0.1 |
| DPE-1 | 27-Sep-10 | 21.9 | 14.6 | 7.3 | 4.8 | 23.81 | -1.91 |
| DPE-1 | 18-Nov-10 | 21.9 | 14.99 | 6.91 | 4.5 | NR | NR |
| DPE-1 | 22-Dec-10 | 21.9 | 15.72 | 6.18 | 4.0 | 21.8 | 0.1 |
| DPE-1 | 6-Jan-11 | 21.9 | 14.04 | 7.86 | 5.1 | 21.8 | 0.1 |
| DPE-1 | 20-Jan-11 | 21.9 | 16.8 | 5.1 | 3.3 | 21.9 | 0 |
| DPE-1 | 28-Feb-11 | 21.9 | 15.33 | 6.57 | 4.3 | 21.98 | -0.08 |
| DPE-1 | 7-Mar-11 | 21.9 | 17.27 | 4.63 | 3.0 | 22 | -0.1 |
| DPE-1 | 18-Mar-11 | 21.9 | 17.8 | 4.1 | 2.7 | 21.6 | 0.3 |
| DPE-1 | 23-Mar-11 | 21.9 | 15.92 | 5.98 | 3.9 | 22 | -0.1 |
| DPE-2 | 23-Oct-09 | 20.5 | 15.53 | 4.97 | 3.2 | 19.95 | 0.55 |
| DPE-2 | 27-Oct-09 | 20.5 | 16.35 | 4.15 | 2.7 | 20.51 | -0.01 |
| DPE-2 | 16-Nov-09 | 20.5 | 15.19 | 5.31 | 3.5 | 20.8 | -0.3 |
| DPE-2 | 17-Dec-09 | 20.5 | 15.69 | 4.81 | 3.1 | 20.4 | 0.1 |
| DPE-2 | 14-Jan-10 | 20.5 | 16.04 | 4.46 | 2.9 | 20.15 | 0.35 |
| DPE-2 | 22-Feb-10 | 20.5 | 14.19 | 6.31 | 4.1 | 20.5 | 0 |
| DPE-2 | 25-Mar-10 | 20.5 | 15.5 | 5 | 3.3 | 20 | 0.5 |
| DPE-2 | 16-Apr-10 | 20.5 | 16.31 | 4.19 | 2.7 | 20.2 | 0.3 |
| DPE-2 | 12-May-10 | 20.5 | 16.31 | 4.19 | 2.7 | 20.3 | 0.2 |
| DPE-2 | 17-Jun-10 | 20.5 | 17.09 | 3.41 | 2.2 | NR | NR |
| DPE-2 | 18-Aug-10 | 20.5 | 17.58 | 2.92 | 1.9 | 20 | 0.5 |
| DPE-2 | 27-Sep-10 | 20.5 | 14.92 | 5.58 | 3.6 | 20.5 | 0 |
| DPE-2 | 18-Nov-10 | 20.5 | 14.79 | 5.71 | 3.7 | NR | NR |
| DPE-2 | 22-Dec-10 | 20.5 | 15.72 | 4.78 | 3.1 | 20.3 | 0.2 |
| DPE-2 | 6-Jan-11 | 20.5 | 14.42 | 6.08 | 4.0 | 20.6 | -0.1 |
| DPE-2 | 20-Jan-11 | 20.5 | 14.98 | 5.52 | 3.6 | 20.2 | 0.3 |
| DPE-2 | 28-Feb-11 | 20.5 | 14.88 | 5.62 | 3.7 | 20 | 0.5 |
| DPE-2 | 7-Mar-11 | 20.5 | 15.22 | 5.28 | 3.4 | 20.6 | -0.1 |
| DPE-2 | 18-Mar-11 | 20.5 | 15.41 | 5.09 | 3.3 | 20.6 | -0.1 |
| DPE-2 | 23-Mar-11 | 20.5 | 13.62 | 6.88 | 4.5 | 20.3 | 0.2 |

Attachment A - Table 6

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

| Location | Date | Total Well Depth (ft below TOC) | Static Water Level (ft below TOC) | Static Water Column Thickness (ft) | Static Water Volume (gallons) | Operating Depth (ft below TOC) | Operating Water Column Thickness (ft) |
|----------|-----------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------------|
| DPE-3 | 23-Oct-09 | 17.1 | 14.76 | 2.34 | 1.5 | 17.5 | -0.4 |
| DPE-3 | 27-Oct-09 | 17.1 | 14.51 | 2.59 | 1.7 | 17.8 | -0.7 |
| DPE-3 | 16-Nov-09 | 17.1 | 14.59 | 2.51 | 1.6 | 17.5 | -0.4 |
| DPE-3 | 17-Dec-09 | 17.1 | 15.28 | 1.82 | 1.2 | 17.2 | -0.1 |
| DPE-3 | 14-Jan-10 | 17.1 | 16.52 | 0.58 | 0.4 | 17.1 | 0.0 |
| DPE-3 | 22-Feb-10 | 17.1 | 15.29 | 1.81 | 1.2 | 17.3 | -0.2 |
| DPE-3 | 25-Mar-10 | 17.1 | 15.68 | 1.42 | 0.9 | 18.3 | -1.2 |
| DPE-3 | 16-Apr-10 | 17.1 | 15.8 | 1.3 | 0.8 | 19.41 | -2.31 |
| DPE-3 | 12-May-10 | 17.1 | 16.26 | 0.84 | 0.5 | 17.2 | -0.1 |
| DPE-3 | 17-Jun-10 | 17.1 | 16.43 | 0.67 | 0.4 | NR | NR |
| DPE-3 | 18-Aug-10 | 17.1 | 17.2 | -0.1 | -0.1 | 17 | 0.1 |
| DPE-3 | 27-Sep-10 | 17.1 | 14.29 | 2.81 | 1.8 | 19.35 | -2.25 |
| DPE-3 | 18-Nov-10 | 17.1 | 14.62 | 2.48 | 1.6 | NR | NR |
| DPE-3 | 22-Dec-10 | 17.1 | 15.62 | 1.48 | 1.0 | 17.1 | 0 |
| DPE-3 | 6-Jan-11 | 17.1 | 14.5 | 2.6 | 1.7 | 17 | 0.1 |
| DPE-3 | 20-Jan-11 | 17.1 | 14.99 | 2.11 | 1.4 | 17.3 | -0.2 |
| DPE-3 | 28-Feb-11 | 17.1 | 15.22 | 1.88 | 1.2 | 17.18 | -0.08 |
| DPE-3 | 7-Mar-11 | 17.1 | 15.2 | 1.9 | 1.2 | 17.2 | -0.1 |
| DPE-3 | 18-Mar-11 | 17.1 | 15.57 | 1.53 | 1.0 | 17.2 | -0.1 |
| DPE-3 | 23-Mar-11 | 17.1 | 13.88 | 3.22 | 2.1 | 17.2 | -0.1 |
| DPE-4 | 23-Oct-09 | 19.3 | 14.81 | 4.49 | 2.9 | 19.71 | -0.41 |
| DPE-4 | 27-Oct-09 | 19.3 | 14.58 | 4.72 | 3.1 | 19.8 | -0.5 |
| DPE-4 | 16-Nov-09 | 19.3 | 14.48 | 4.82 | 3.1 | 19.63 | -0.33 |
| DPE-4 | 17-Dec-09 | 19.3 | 15.44 | 3.86 | 2.5 | 19.3 | 0.0 |
| DPE-4 | 14-Jan-10 | 19.3 | 16.08 | 3.22 | 2.1 | 19.6 | -0.3 |
| DPE-4 | 22-Feb-10 | 19.3 | 16.08 | 3.22 | 2.1 | 19.0 | 0.3 |
| DPE-4 | 25-Mar-10 | 19.3 | 16.22 | 3.08 | 2.0 | 20.05 | -0.75 |
| DPE-4 | 16-Apr-10 | 19.3 | 16.21 | 3.09 | 2.0 | 20.10 | -0.8 |
| DPE-4 | 12-May-10 | 19.3 | 16.86 | 2.44 | 1.6 | 19.70 | -0.4 |
| DPE-4 | 17-Jun-10 | 19.3 | 16.83 | 2.47 | 1.6 | NR | NR |
| DPE-4 | 18-Aug-10 | 19.3 | 16.74 | 2.56 | 1.7 | 19.60 | -0.3 |
| DPE-4 | 27-Sep-10 | 19.3 | 14.74 | 4.56 | 3.0 | 19.73 | -0.43 |
| DPE-4 | 18-Nov-10 | 19.3 | 14.93 | 4.37 | 2.9 | NR | NR |
| DPE-4 | 22-Dec-10 | 19.3 | 14.89 | 4.41 | 2.9 | 19.20 | 0.1 |
| DPE-4 | 6-Jan-11 | 19.3 | 14.61 | 4.69 | 3.1 | 19.10 | 0.2 |
| DPE-4 | 20-Jan-11 | 19.3 | 15.15 | 4.15 | 2.7 | 19.00 | 0.3 |
| DPE-4 | 28-Feb-11 | 19.3 | 15.3 | 4 | 2.6 | 19.2 | 0.1 |
| DPE-4 | 7-Mar-11 | 19.3 | 15.62 | 3.68 | 2.4 | 19.6 | -0.3 |
| DPE-4 | 18-Mar-11 | 19.3 | 15.62 | 3.68 | 2.4 | 19.6 | -0.3 |
| DPE-4 | 23-Mar-11 | 19.3 | 14.04 | 5.26 | 3.4 | 19.2 | 0.1 |

Attachment A - Table 6

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

| Location | Date | Total Well Depth (ft below TOC) | Static Water Level (ft below TOC) | Static Water Column Thickness (ft) | Static Water Volume (gallons) | Operating Depth (ft below TOC) | Operating Water Column Thickness (ft) |
|----------|-----------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------------|
| DPE-5 | 23-Oct-09 | 18.1 | 13.78 | 4.32 | 2.8 | 18.5 | -0.4 |
| DPE-5 | 27-Oct-09 | 18.1 | 13.52 | 4.58 | 3.0 | 18.7 | -0.6 |
| DPE-5 | 16-Nov-09 | 18.1 | NR | NR | NR | 18.1 | 0.0 |
| DPE-5 | 14-Jan-10 | 18.1 | 15 | 3.1 | 2.0 | 19.2 | -1.1 |
| DPE-5 | 22-Feb-10 | 18.1 | 15.01 | 3.09 | 2.0 | 18.2 | -0.1 |
| DPE-5 | 25-Mar-10 | 18.1 | 16.42 | 1.68 | 1.1 | 18.7 | -0.6 |
| DPE-5 | 16-Apr-10 | 18.1 | 15.54 | 2.56 | 1.7 | 18.65 | -0.55 |
| DPE-5 | 12-May-10 | 18.1 | 15.98 | 2.12 | 1.4 | 18.1 | 0 |
| DPE-5 | 17-Jun-10 | 18.1 | 17.21 | 0.89 | 0.6 | NR | NR |
| DPE-5 | 18-Aug-10 | 18.1 | 16.55 | 1.55 | 1.0 | 18.2 | -0.1 |
| DPE-5 | 27-Sep-10 | 18.1 | 13.73 | 4.37 | 2.9 | 18.1 | 0 |
| DPE-5 | 18-Nov-10 | 18.1 | 14.19 | 3.91 | 2.6 | NR | NR |
| DPE-5 | 22-Dec-10 | 18.1 | 15.41 | 2.69 | 1.8 | 18.1 | 0 |
| DPE-5 | 6-Jan-11 | 18.1 | 14.14 | 3.96 | 2.6 | 18.3 | -0.2 |
| DPE-5 | 20-Jan-11 | 18.1 | 15.38 | 2.72 | 1.8 | 18 | 0.1 |
| DPE-5 | 28-Feb-11 | 18.1 | 15.38 | 2.72 | 1.8 | 17.98 | 0.12 |
| DPE-5 | 7-Mar-11 | 18.1 | 16.81 | 1.29 | 0.8 | 17.9 | 0.2 |
| DPE-5 | 18-Mar-11 | 18.1 | 15.03 | 3.07 | 2.0 | 18 | 0.1 |
| DPE-5 | 23-Mar-11 | 18.1 | 13.08 | 5.02 | 3.3 | 18.2 | -0.1 |
| DPE-6 | 23-Oct-09 | 19.5 | 14.56 | 4.94 | 3.2 | 19.8 | -0.3 |
| DPE-6 | 27-Oct-09 | 19.5 | 14.31 | 5.19 | 3.4 | 19.5 | 0.0 |
| DPE-6 | 16-Nov-09 | 19.5 | 14.24 | 5.26 | 3.4 | 19.52 | -0.02 |
| DPE-6 | 17-Dec-09 | 19.5 | 14.84 | 4.66 | 3.0 | 19.8 | -0.3 |
| DPE-6 | 14-Jan-10 | 19.5 | 15.14 | 4.36 | 2.8 | 19.8 | -0.3 |
| DPE-6 | 22-Feb-10 | 19.5 | 15.61 | 3.89 | 2.5 | 19.1 | 0.4 |
| DPE-6 | 25-Mar-10 | 19.5 | 15.24 | 4.26 | 2.8 | 19.5 | 0 |
| DPE-6 | 16-Apr-10 | 19.5 | 15.48 | 4.02 | 2.6 | 19.4 | 0.1 |
| DPE-6 | 12-May-10 | 19.5 | 16.02 | 3.48 | 2.3 | 19.4 | 0.1 |
| DPE-6 | 17-Jun-10 | 19.5 | 15.98 | 3.52 | 2.3 | NR | NR |
| DPE-6 | 18-Aug-10 | 19.5 | 16.56 | 2.94 | 1.9 | 19.3 | 0.2 |
| DPE-6 | 27-Sep-10 | 19.5 | 13.98 | 5.52 | 3.6 | 19.3 | 0.2 |
| DPE-6 | 18-Nov-10 | 19.5 | 14.24 | 5.26 | 3.4 | NR | NR |
| DPE-6 | 22-Dec-10 | 19.5 | 14.89 | 4.61 | 3.0 | 19.2 | 0.3 |
| DPE-6 | 6-Jan-11 | 19.5 | 13.96 | 5.54 | 3.6 | 19.3 | 0.2 |
| DPE-6 | 20-Jan-11 | 19.5 | 14.2 | 5.3 | 3.5 | 19.2 | 0.3 |
| DPE-6 | 28-Feb-11 | 19.5 | 14.31 | 5.19 | 3.4 | NR | NR |
| DPE-6 | 7-Mar-11 | 19.5 | 14.8 | 4.7 | 3.1 | 19.3 | 0.2 |
| DPE-6 | 18-Mar-11 | 19.5 | 14.87 | 4.63 | 3.0 | 19.4 | 0.1 |
| DPE-6 | 23-Mar-11 | 19.5 | 14.08 | 5.42 | 3.5 | 19.4 | 0.1 |

Attachment A - Table 6

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

| Location | Date | Total Well Depth (ft below TOC) | Static Water Level (ft below TOC) | Static Water Column Thickness (ft) | Static Water Volume (gallons) | Operating Depth (ft below TOC) | Operating Water Column Thickness (ft) |
|----------|-----------|---------------------------------|-----------------------------------|------------------------------------|-------------------------------|--------------------------------|---------------------------------------|
| DPE-7 | 23-Oct-09 | 22.2 | 15.68 | 6.52 | 4.3 | 22.2 | 0.0 |
| DPE-7 | 27-Oct-09 | 22.2 | 15.49 | 6.71 | 4.4 | 22.2 | 0.0 |
| DPE-7 | 16-Nov-09 | 22.2 | 15.44 | 6.76 | 4.4 | 22.17 | 0.03 |
| DPE-7 | 17-Dec-09 | 22.2 | 16.03 | 6.17 | 4.0 | 22.4 | -0.2 |
| DPE-7 | 14-Jan-10 | 22.2 | 16.26 | 5.94 | 3.9 | 22.1 | 0.1 |
| DPE-7 | 22-Feb-10 | 22.2 | 16.98 | 5.22 | 3.4 | 22.3 | -0.1 |
| DPE-7 | 25-Mar-10 | 22.2 | 16.65 | 5.55 | 3.6 | 22.1 | 0.1 |
| DPE-7 | 16-Apr-10 | 22.2 | 16.71 | 5.49 | 3.6 | 22.3 | -0.1 |
| DPE-7 | 12-May-10 | 22.2 | 17.41 | 4.79 | 3.1 | 22 | 0.2 |
| DPE-7 | 17-Jun-10 | 22.2 | 17.5 | 4.7 | 3.1 | NR | NR |
| DPE-7 | 18-Aug-10 | 22.2 | 17.98 | 4.22 | 2.8 | 21.9 | 0.3 |
| DPE-7 | 27-Sep-10 | 22.2 | 15.36 | 6.84 | 4.5 | 21.65 | 0.55 |
| DPE-7 | 18-Nov-10 | 22.2 | 15.59 | 6.61 | 4.3 | NR | NR |
| DPE-7 | 22-Dec-10 | 22.2 | 16.02 | 6.18 | 4.0 | 22.1 | 0.1 |
| DPE-7 | 6-Jan-11 | 22.2 | 15.2 | 7 | 4.6 | 22 | 0.2 |
| DPE-7 | 20-Jan-11 | 22.2 | 15.31 | 6.89 | 4.5 | 22.1 | 0.1 |
| DPE-7 | 28-Feb-11 | 22.2 | 15.61 | 6.59 | 4.3 | 22.15 | 0.05 |
| DPE-7 | 7-Mar-11 | 22.2 | 16.08 | 6.12 | 4.0 | 22.4 | -0.2 |
| DPE-7 | 18-Mar-11 | 22.2 | 16.08 | 6.12 | 4.0 | 22.1 | 0.1 |
| DPE-7 | 23-Mar-11 | 22.2 | 14.83 | 7.37 | 4.8 | 21.9 | 0.3 |
| DPE-8 | 23-Oct-09 | 17.5 | 13.18 | 4.32 | 2.8 | 17.3 | 0.2 |
| DPE-8 | 27-Oct-09 | 17.5 | 13.24 | 4.26 | 2.8 | 17.9 | -0.4 |
| DPE-8 | 16-Nov-09 | 17.5 | 13.3 | 4.2 | 2.7 | 17.5 | 0.0 |
| DPE-8 | 17-Dec-09 | 17.5 | 15.31 | 2.19 | 1.4 | 17.9 | -0.4 |
| DPE-8 | 14-Jan-10 | 17.5 | 16.58 | 0.92 | 0.6 | 17.75 | -0.25 |
| DPE-8 | 22-Feb-10 | 17.5 | 14.19 | 3.31 | 2.2 | 18.3 | -0.8 |
| DPE-8 | 25-Mar-10 | 17.5 | 15.72 | 1.78 | 1.2 | 17.8 | -0.3 |
| DPE-8 | 16-Apr-10 | 17.5 | 16.2 | 1.3 | 0.8 | 17.8 | -0.3 |
| DPE-8 | 12-May-10 | 17.5 | 16.61 | 0.89 | 0.6 | 17.5 | 0 |
| DPE-8 | 17-Jun-10 | 17.5 | 16.92 | 0.58 | 0.4 | NR | NR |
| DPE-8 | 18-Aug-10 | 17.5 | 17.21 | 0.29 | 0.2 | 17.8 | -0.3 |
| DPE-8 | 27-Sep-10 | 17.5 | 14.75 | 2.75 | 1.8 | 17.6 | -0.1 |
| DPE-8 | 18-Nov-10 | 17.5 | 15.37 | 2.13 | 1.4 | NR | NR |
| DPE-8 | 22-Dec-10 | 17.5 | 15.4 | 2.1 | 1.4 | 17.3 | 0.2 |
| DPE-8 | 6-Jan-11 | 17.5 | 15.18 | 2.32 | 1.5 | 17.7 | -0.2 |
| DPE-8 | 20-Jan-11 | 17.5 | 16.15 | 1.35 | 0.9 | 17.6 | -0.1 |
| DPE-8 | 28-Feb-11 | 17.5 | 16.78 | 0.72 | 0.5 | 17.5 | 0 |
| DPE-8 | 7-Mar-11 | 17.5 | 15.81 | 1.69 | 1.1 | 17.5 | 0 |
| DPE-8 | 18-Mar-11 | 17.5 | 15.71 | 1.79 | 1.2 | 17.2 | 0.3 |
| DPE-8 | 23-Mar-11 | 17.5 | 14.2 | 3.3 | 2.2 | 17.5 | 0 |

Attachment A - Table 7

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

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

Notes:

Sep 4: Date task completed.

X: Task to be completed during that month.

NA: Not applicable

1: Some maintenance was not performed because of DPE pump oil leak.

Attachment A - Table 7

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

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

Notes:

Sep 4: Date task completed.

X: Task to be completed during that month.

NA: Not applicable

1: Some maintenance was not performed because of DPE pump oil leak.

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

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

DATE: 3/23/11
TIME: 9:00
RECORDED BY:

2009 SYSTEM STARTUP INFORMATION

Startup Date: 6/29/2009 **MS Discharge Totalizer:** 68 **Sump Discharge Totalizer:** 200

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

CURRENT OPERATING WELL:

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

ANALOG PANEL READINGS

DPE PUMP AIR FLOW (SCFM): 72.7
 DPE WELL VACUUM (IN. HG): 17.44
 DPE PUMP INLET VACUUM (IN. HG): 18.45
 DPE PUMP OUTLET PRESSURE (PSI): 0
 DPE PUMP OUTLET TEMP (DEG. F): 209
 MS PUMP WATER FLOW (GPM): 12.6

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TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 11277
 MS PUMP (HRS): 562
 MS VACUUM VALVE (HRS): 171
 AIR STRIPPER BLOWER (HRS): 4060
 AIR STRIPPER PUMP (HRS): 298
 DPE AIR FLOW (SCF): 50872000
 MS PUMP WATER FLOW (GAL): 350324
 SUMP PUMP WATER FLOW (GAL): 420

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 10.84 |
| MW-15 | 4 | 18 | 12.79 |
| MW-16 | 10 | 18 | 11.18 |
| MW-17 | 7 | 25 | 11.41 |
| MW-18 | 6 | 60 | 12.08 |
| MW-19 | 1 | 20 | 12.09 |
| MW-20 | 8 | 16.7 | 11.19 |
| DPE-1 | 15 | 21.9 | 15.92 |
| DPE-2 | 13 | 20.5 | 13.62 |
| DPE-3 | 14 | 17.1 | 13.88 |
| DPE-4 | 12 | 19.3 | 14.04 |
| DPE-5 | 9 | 18.1 | 13.09 |
| DPE-6 | 5 | 19.5 | 14.08 |
| DPE-7 | 2 | 22.2 | 14.83 |
| DPE-8 | 11 | 17.5 | 14.20 |
| Sump | 1 | 7.74 | 6.76 |

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG):
 PRE-MANIFOLD VACUUM (IN. HG): 16
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 16.5
 POST-MS-1 VACUUM (IN. HG): 17.0
 POST-MS-2 VACUUM (IN. HG): 18.5
 DPE PUMP AIR FLOW (SCFM): 75
 DPE EXHAUST PID CONC. (PPM): 8.6
 DPE PUMP OUTLET PRESSURE (IN. H2O): 0
 DPE PUMP OUTLET TEMP (DEG. F): 185

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.6
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 70
 MS PUMP FLOW TOTALIZER READING (GAL): 369603

AS EXHAUST PRESSURE (IN. H2O): 8
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 16
 AS BLOWER PRESSURE (IN. H2O): 17
 AS EXHAUST PID (PPM): ND

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 541

OPERATING WATER LEVELS

| | |
|-------|------|
| DPE-1 | 22.0 |
| DPE-2 | 20.3 |
| DPE-3 | 17.2 |
| DPE-4 | 19.2 |
| DPE-5 | 18.2 |
| DPE-6 | 19.4 |
| DPE-7 | 21.9 |
| DPE-8 | 17.5 |

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

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

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

DATE: 3/23/11
 TIME:
 RECORDED BY:

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|-------|--------------|-----------------------|-----------------------|---------------------|
| DPE-1 | 1.3 | 40 | 21 | -58 |
| DPE-2 | 1.2 | 40 | 21 | -145 |
| DPE-3 | 5.8 | 65 | 18.5 | -135 |
| DPE-4 | 6.2 | 60 | 19.5 | -120 |
| DPE-5 | 4.1 | 90 | 16.5 | -170 |
| DPE-6 | 6.7 | 63 | 30.6 | -90 |
| DPE-7 | 8.6 | 70 | 17.5 | -30 |
| DPE-8 | 7.4 | 90 | 15.5 | -80 |

DPE ave = 64.75?

CAN # 1186

Start @ 11:10 - 27 ON 6
 @ 15:15 - 9 ON 4
 end @ 17:00 - 3 ON 6

AS - INV 12:00
 AS - EFF 12:05

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 3/23/11

Field Representative: _____

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

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PERFORMED

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| ✓ |
| |
| Changed 11276 |
| ✓ |

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

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|---------------------|
| Replaced all floats |
| ✓ |
| NA |
| ○ |
| ✓ |

Next visit

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

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| Last week |
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Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

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

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

DATE: 3/18/11
TIME: 12:30
RECORDED BY: JEG

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): 55
 DPE WELL VACUUM (IN. HG): 21.17
 DPE PUMP INLET VACUUM (IN. HG): 22.42
 DPE PUMP OUTLET PRESSURE (PSI): 0
 DPE PUMP OUTLET TEMP (DEG. F): 235
 MS PUMP WATER FLOW (GPM): 13.3

①

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 11274
 MS PUMP (HRS): 562
 MS VACUUM VALVE (HRS): 170
 AIR STRIPPER BLOWER (HRS): 4060
 AIR STRIPPER PUMP (HRS): 298
 DPE AIR FLOW (SCF): 50861000
 MS PUMP WATER FLOW (GAL): 350182
 SUMP PUMP WATER FLOW (GAL): 470

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 11.47 |
| MW-15 | 4 | 18 | 14.08 |
| MW-16 | 10 | 18 | 12.38 |
| MW-17 | 7 | 25 | 12.44 |
| MW-18 | 6 | 60 | 12.99 |
| MW-19 | 1 | 20 | 13.50 |
| MW-20 | 8 | 16.7 | 12.62 |
| DPE-1 | 15 | 21.9 | 17.80 |
| DPE-2 | 13 | 20.5 | 15.41 |
| DPE-3 | 14 | 17.1 | 15.57 |
| DPE-4 | 12 | 19.3 | 15.62 |
| DPE-5 | 9 | 18.1 | 15.03 |
| DPE-6 | 5 | 19.5 | 14.87 |
| DPE-7 | 2 | 22.2 | 16.08 |
| DPE-8 | 11 | 17.5 | 15.71 |
| Sump | 1 | 7.74 | 6.97 |

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 19.5
 PRE-MANIFOLD VACUUM (IN. HG): 19.5
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 20.0
 POST-MS-1 VACUUM (IN. HG): 21.5
 POST-MS-2 VACUUM (IN. HG): 22.0
 DPE PUMP AIR FLOW (SCFM): 55
 DPE EXHAUST PID CONC. (PPM): 3.0
 DPE PUMP OUTLET PRESSURE (IN. H2O): 0
 DPE PUMP OUTLET TEMP (DEG. F): 213

OPERATING WATER LEVELS

| | |
|-------|------|
| DPE-1 | 21.6 |
| DPE-2 | 20.6 |
| DPE-3 | 17.2 |
| DPE-4 | 19.6 |
| DPE-5 | 18.0 |
| DPE-6 | 19.4 |
| DPE-7 | 22.1 |
| DPE-8 | 17.2 |

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.5
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 17
 MS PUMP FLOW TOTALIZER READING (GAL): 369449

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

AS EXHAUST PRESSURE (IN. H2O): 9.5
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 25
 AS BLOWER PRESSURE (IN. H2O): 17
 AS EXHAUST PID (PPM): ND

COMMENTS/MAINTENANCE:

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 541

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

3/18/11

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 | 3.0 | 57 | 21.1 | 55 |
| DPE-2 | 2.1 | 55 | 21.2 | 148 |
| DPE-3 | 8.4 | 65 | 18.7 | 150 |
| DPE-4 | 5.9 | 62 | 19.0 | 130 |
| DPE-5 | 3.3 | 95 | 15.8 | 115 |
| DPE-6 | 4.0 2.8 | 65 | 19 | 100 |
| DPE-7 | 3.1 | 75 | 17 | 35 |
| DPE-8 | 3.1 | 80 | 16 | 80 |

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 3/18/11

Field Representative: _____

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

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PERFORMED

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Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

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| ✓ (6X) clean |
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Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

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| cleaned ✓ |
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Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

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| cleaned at #8 - falls low stone - possible Burrnet just finished |

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

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

DATE: 3/7/11
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): 117.8
 DPE WELL VACUUM (IN. HG): 16.15
 DPE PUMP INLET VACUUM (IN. HG): 17.02
 DPE PUMP OUTLET PRESSURE (PSI): 0
 DPE PUMP OUTLET TEMP (DEG. F): 110
 MS PUMP WATER FLOW (GPM): 12.79

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 11014
 MS PUMP (HRS): 549
 MS VACUUM VALVE (HRS): 170
 AIR STRIPPER BLOWER (HRS): 3885
 AIR STRIPPER PUMP (HRS): 289
 DPE AIR FLOW (SCF): 49157000
 MS PUMP WATER FLOW (GAL): 343924
 SUMP PUMP WATER FLOW (GAL): 470

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 15.5
 PRE-MANIFOLD VACUUM (IN. HG): 15.5
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 15.5
 POST-MS-1 VACUUM (IN. HG): 16.0
 POST-MS-2 VACUUM (IN. HG): BROKEN AGAIN
 DPE PUMP AIR FLOW (SCFM): 115
 DPE EXHAUST PID CONC. (PPM): 112
 DPE PUMP OUTLET PRESSURE (IN. H2O):
 DPE PUMP OUTLET TEMP (DEG. F): 112

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.7
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
 MS PUMP FLOW TOTALIZER READING (GAL): 359143

AS EXHAUST PRESSURE (IN. H2O): 9
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 25
 AS BLOWER PRESSURE (IN. H2O): 18
 AS EXHAUST PID (PPM): NO

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 531

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 11.60 |
| MW-15 | 4 | 18 | 14.01 |
| MW-16 | 10 | 18 | 12.27 |
| MW-17 | 7 | 25 | 12.41 |
| MW-18 | 6 | 60 | 13.21 |
| MW-19 | 1 | 20 | 13.18 |
| MW-20 | 8 | 16.7 | 12.26 |
| DPE-1 | 15 | 21.9 | 17.27 |
| DPE-2 | 13 | 20.5 | 15.22 |
| DPE-3 | 14 | 17.1 | 15.20 |
| DPE-4 | 12 | 19.3 | 15.62 |
| DPE-5 | 9 | 18.1 | 16.81 |
| DPE-6 | 5 | 19.5 | 14.80 |
| DPE-7 | 2 | 22.2 | 16.09 |
| DPE-8 | 11 | 17.5 | 13.81 |
| Sump | 1 | 7.74 | 6.91 |

OPERATING WATER LEVELS

| | |
|-------|------|
| DPE-1 | 22 |
| DPE-2 | 20.6 |
| DPE-3 | 17.2 |
| DPE-4 | 19.6 |
| DPE-5 | 17.9 |
| DPE-6 | 19.3 |
| DPE-7 | 22.4 |
| DPE-8 | 17.5 |

SUMP ROOM PID: NO

BASEMENT PID READINGS: NO

COMMENTS/MAINTENANCE:

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

3/7/11

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 | 33.4 | 50 | 21.23 | 55 |
| DPE-2 | 19.8 | 50 | 21.34 | 148 |
| DPE-3 | 25.6 | 55 | 20.10 | 135 |
| DPE-4 | 27.9 | 60 | 20.45 | 70 |
| DPE-5 | 0.8 22.7 | 117 | 16.15 | 115 |
| DPE-6 | 0.4 16.5 | 75 | 19.29 | 99 |
| DPE-7 | 29.1 | 95 | 16.2 | 30 |
| DPE-8 | 44.6 | 95 | 17.5 | 74 |

changed Bonnet #6
 changed coil #6
 cleaned MS -
 cleaned float twice

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

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

DATE: 2/28/11
TIME: 11:00
RECORDED BY: *SEC*

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): 103.6 #8
DPE WELL VACUUM (IN. HG): 17.07
DPE PUMP INLET VACUUM (IN. HG): 17.56
DPE PUMP OUTLET PRESSURE (PSI): 0.02
DPE PUMP OUTLET TEMP (DEG. F): 223.5
MS PUMP WATER FLOW (GPM): 12.77

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 10969
MS PUMP (HRS): 8547
MS VACUUM VALVE (HRS): 50
AIR STRIPPER BLOWER (HRS): 3867
AIR STRIPPER PUMP (HRS): 288
DPE AIR FLOW (SCF): 48884000
MS PUMP WATER FLOW (GAL): 342283
SUMP PUMP WATER FLOW (GAL): 470

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 11.18 |
| MW-15 | 4 | 18 | 13.71 |
| MW-16 | 10 | 18 | 11.77 |
| MW-17 | 7 | 25 | 12.20 |
| MW-18 | 6 | 60 | 12.79 |
| MW-19 | 1 | 20 | 13.92 |
| MW-20 | 8 | 16.7 | 12.69 |
| DPE-1 | 15 | 21.9 | 15.33 |
| DPE-2 | 13 | 20.5 | 14.88 |
| DPE-3 | 14 | 17.1 | 15.22 |
| DPE-4 | 12 | 19.3 | 15.30 |
| DPE-5 | 9 | 18.1 | 15.38 |
| DPE-6 | 5 | 19.5 | 14.31 |
| DPE-7 | 2 | 22.2 | 15.61 |
| DPE-8 | 11 | 17.5 | 18.78 |
| Sump | 1 | 7.74 | 2.03 |

16.78
305

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 16.5
PRE-MANIFOLD VACUUM (IN. HG): 16.5
DPE WELL (PRE-MS-1) VACUUM (IN. HG): 16.5
POST-MS-1 VACUUM (IN. HG): 17
POST-MS-2 VACUUM (IN. HG): 19 - meter full
DPE PUMP AIR FLOW (SCFM): 100
DPE EXHAUST PID CONC. (PPM): 0.8
DPE PUMP OUTLET PRESSURE (IN. H2O): 0
DPE PUMP OUTLET TEMP (DEG. F): 218

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.8
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
MS PUMP FLOW TOTALIZER READING (GAL): ~~12.8~~
9 357774

AS EXHAUST PRESSURE (IN. H2O):
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 26
AS BLOWER PRESSURE (IN. H2O): 17
AS EXHAUST PID (PPM): 0.0

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 542

OPERATING WATER LEVELS

| | |
|-------|-------|
| DPE-1 | 21.98 |
| DPE-2 | 22.0 |
| DPE-3 | 17.18 |
| DPE-4 | 17.80 |
| DPE-5 | 17.98 |
| DPE-6 | |
| DPE-7 | 22.15 |
| DPE-8 | 2.5 |

SUMP ROOM PID: ND

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

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

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

DATE: _____
 TIME: _____
 RECORDED BY: _____

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|-------|--------------------|-----------------------|-----------------------|---------------------|
| DPE-1 | 6.4 | 61 | 20.66 | -35 |
| DPE-2 | 15.1 | 64 | 20.8 | -145 |
| DPE-3 | 23.5 | 82 | 18.8 | -98 |
| DPE-4 | 11.5 | 67 | 20.2 | -64 |
| DPE-5 | 0.0 | 104 | 16.9 | -74 |
| DPE-6 | 6.2 | 100 | 18.1 | -138 |
| DPE-7 | 0.0 0.8 | 90 94 | 17.9 17.8 | -32 |
| DPE-8 | 8.8 | 97 | 17.8 | -84 |

CAN sample #798 @ 11:35

2/20/11

Started @ -29

13:55 @ -20

17:10 @ -4

83.13 = ave flow

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 2/28/11 - 3/1/11

Field Representative: _____

OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

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| ✓ |
| ✓ |
| ✓ |
| ✓ |

Change oil (10989) hours

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

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None
None

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

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Replaced top hose

Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

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| |
| ✓ |
| |

#6 FIBERLINE w/ 1 micron top and
Replace 3, 5, 7

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 12, 2010 - 3/1/11
 Station: _____ Sample time: _____

| Multiple Sampling Log: | Time/Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|-------------|----------------|-----------|----------------|---------|------|-----------|
| Location: | | | | | | | |
| DPE-1: | 06:00 | 18.2 | 990 | 7.60 | +14.2 | 4.02 | |
| DPE-2: | 06:10 | 18.6 | 1986 | 7.21 | +118 | 3.16 | |
| DPE-3: | 06:20 | 18.8 | 6621 | 7.19 | -0.6 | 2.01 | |
| DPE-4: | 06:30 | 18.8 | 874 | 7.18 | +144 | 1.90 | |
| DPE-5: | 06:40 | 18.5 | 776 | 7.21 | +22 | 2.87 | |
| DPE-6: | 06:50 | 17.9 | 1048 | 7.09 | -16 | 2.04 | |
| DPE-7: | 07:00 | 18.5 | 996 | 7.01 | -8 | 1.96 | |
| DPE-8: | 07:10 | 18.4 | 872 | 6.92 | +21 | 1.87 | |
| 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.

Add duplicate -
 hose rigged from dpe 5 to w/ draw
 GW from DPE-6

AS Influent 05:30
 AS Effluent 05:45

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 3/1/11
 Station: _____ Sample time: 8:00

| | | | | | | | | |
|----------------------------|--|--------------------|------------|--------------|------|------|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 17.5 | | | | | | | |
| Static water level: | 11.10 | 3 | 10.86 | 886 | 6.13 | -0.1 | 1.72 | |
| Water depth ¹ : | 6.32 | 4 | 18.9 | 998 | 6.14 | 1.6 | 1.39 | |
| Well volume (gal): | 1 | 5 | 18.9 | 996 | 6.20 | 4.3 | 1.34 | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Buller | | | | | | | |
| Start time: | | | | | | | | |
| Stop time: | | | | | | | | |
| Duration (min.): | | Odor: | No | | | | | |
| Rate, gpm: | | Purge appearance: | Brown | | | | | |
| Volume purged: | 55 | Sample appearance: | clear | | | | | |
| Duplicate collected? | NO | Comments: | | | | | | |
| Sampled by: | Stor | | | | | | | |
| Others present: | | Well Condition | good | | | | | |
| Analysis: | <u>VOC</u> 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-20 Date: May 12, 2010
 Station: _____ Sample time: 10:00

| | | | | | | | | |
|----------------------------|-----------------------|--------------------|---------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 16.7 | | | | | | | |
| Static water level: | 12.69 | 1.8 | 16.6 | 3505 | 6.42 | 9.6 | 2.43 | |
| Water depth ¹ : | 4.01 | 2.4 | | | | | | |
| Well volume (gal): | .65 | 3.5 | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Baiter | | | | | | | |
| Start time: | | | | | | | | |
| Stop time: | | | | | | | | |
| Duration (min.): | | Odor: | | | | | | |
| Rate, gpm: | | Purge appearance: | Brown | | | | | |
| Volume purged: | 1.5 | Sample appearance: | clear | | | | | |
| Duplicate collected? | no | Comments: | 3 volumes dry | | | | | |
| Sampled by: | SEW | | | | | | | |
| Others present: | | Well Condition | good | | | | | |
| Analysis: | YOC | 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 3/1/11
 Station: _____ Sample time: 07:30

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|------------|--------------------|--------------|----------------|---------|------|------|--------------|
| Total well depth: | 20 | | | | | | | |
| Static water level: | 13.92 | 3 | 17.0 | 3992 | 6.77 | 30.8 | 2.81 | |
| Water depth ¹ : | 6.08 | 4 | | | | | | |
| Well volume (gal): | 1 | 5 | | | | | | |
| Purge method: | Whirl | | | | | | | |
| Sample Method: | Balls | | | | | | | |
| Start time: | /// | | | | | | | |
| Stop time: | /// | | | | | | | |
| Duration (min.): | /// | Odor: | | | | | | |
| Rate, gpm: | /// | Purge appearance: | cloudy | | | | | |
| Volume purged: | 1 | Sample appearance: | clear | | | | | |
| Duplicate collected? | no | Comments: | 1 gallon dry | | | | | |
| Sampled by: | JCB | | | | | | | |
| Others present: | | | | Well Condition | good | | | |
| Analysis: | <u>VOC</u> | 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-15 Date: May 12, 2010 → 3/1/11
 Station: _____ Sample time: 8:30

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|----------------------------|--------|--------------------|------------|----------------|---------|------|------|--------------|
| Total well depth: | 18 | | | | | | | |
| Static water level: | 13.71 | 2.1 | 19.5 | 956 | 7.46 | 14.2 | 2.26 | |
| Water depth ¹ : | 4.29 | 2.8 | 19.6 | 949 | 7.44 | 15.2 | 2.06 | |
| Well volume (gal): | .7 | 3.5 | 19.6 | 936 | 7.41 | 16.3 | 2.19 | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Bottle | | | | | | | |
| Start time: | /// | | | | | | | |
| Stop time: | /// | | | | | | | |
| Duration (min.): | /// | Odor: | No | | | | | |
| Rate, gpm: | /// | Purge appearance: | cloudy | | | | | |
| Volume purged: | 3.5 | Sample appearance: | clear | | | | | |
| Duplicate collected? | No | Comments: | | | | | | |
| Sampled by: | SEB | | | | | | | |
| Others present: | | Well Condition | Good | | | | | |
| Analysis: | (VOC) | filtered metal | ml filter | in-line filter | others: | | | |

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

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-18 Date: May 12, 2010
 Station: _____ Sample time: 9:00

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|----------------------------|-----------------------|--------------------|----------------|----------------|---------|-----|------|--------------|
| Total well depth: | 60 | | | | | | | |
| Static water level: | 12.79 | 21 | 17.3 | 1766 | 6.98 | -87 | 0.56 | |
| Water depth ¹ : | 47.21 | 28 | 17.4 | 1845 | 6.94 | -46 | 0.61 | |
| Well volume (gal): | 7.7 | 35 | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Ballen | | | | | | | |
| Start time: | | | | | | | | |
| Stop time: | | | | | | | | |
| Duration (min.): | | Odor: | | | | | | |
| Rate, gpm: | | Purge appearance: | gray clear | | | | | |
| Volume purged: | 206 | Sample appearance: | clear | | | | | |
| Duplicate collected? | NO | Comments: | 28 gallons dry | | | | | |
| Sampled by: | JTC | | | | | | | |
| Others present: | | Well Condition | good | | | | | |
| Analysis: | (VOC) | filtered metal | ml filter | in-line filter | others: | | | |

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

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-17 Date: May 12, 2010
 Station: 25 Sample time: 9:30

| | | | | | | | | |
|----------------------------|---|--------------------|------------|--------------|------|------|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 25 | | | | | | | |
| Static water level: | 12.20 | 6 | 18.5 | 1190 | 7.31 | -127 | 0.51 | |
| Water depth ¹ : | 12.0 | 8 | 18.5 | 1344 | 7.23 | -102 | 1.05 | |
| Well volume (gal): | 2 | 10 | 18.5 | 1425 | 7.21 | -76 | 1.21 | |
| Purge method: | Whisk | | | | | | | |
| Sample Method: | Bailer | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | NO | | | | | |
| Rate, gpm: | — | Purge appearance: | Cloudy | | | | | |
| Volume purged: | — | Sample appearance: | Clear | | | | | |
| Duplicate collected? | NO | Comments: | | | | | | |
| Sampled by: | JB | | | | | | | |
| Others present: | | Well Condition | Good | | | | | |
| Analysis: | <input checked="" type="checkbox"/> VOC <input type="checkbox"/> filtered metal <input type="checkbox"/> ml filter <input type="checkbox"/> in-line filter <input type="checkbox"/> 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: 10:30

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|--------|--------------------|--------------|----------------|---------|-----|------|--------------|
| Total well depth: | 18 | | | | | | | |
| Static water level: | 11.77 | 18.93 | 18.93 | 1862 | 7.22 | -23 | 1.94 | |
| Water depth ¹ : | 6.23 | 4 | | | | | | |
| Well volume (gal): | 1 | 5 | | | | | | |
| Purge method: | Whirl | | | | | | | |
| Sample Method: | Bailer | | | | | | | |
| Start time: | /// | | | | | | | |
| Stop time: | /// | | | | | | | |
| Duration (min.): | /// | Odor: | | | | | | |
| Rate, gpm: | /// | Purge appearance: | | | | | | |
| Volume purged: | 3 | Sample appearance: | | | | | | |
| Duplicate collected? | N | Comments: | 3 Bailer dry | | | | | |
| Sampled by: | JCB | | | | | | | |
| Others present: | NO | Well Condition | Good | | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

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

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

DATE: 1/6/11
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): 75.5
DPE WELL VACUUM (IN. HG): 20.49
DPE PUMP INLET VACUUM (IN. HG): 21.42
DPE PUMP OUTLET PRESSURE (PSI): 0
DPE PUMP OUTLET TEMP (DEG. F): 164
MS PUMP WATER FLOW (GPM): 12.68

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 9717
MS PUMP (HRS): 424
MS VACUUM VALVE (HRS): 50
AIR STRIPPER BLOWER (HRS): ~~284~~ - 3356
AIR STRIPPER PUMP (HRS): 244
DPE AIR FLOW (SCF): 41669000
MS PUMP WATER FLOW (GAL): 292343
SUMP PUMP WATER FLOW (GAL): ~~1268~~ 450

1/11/11 collected on-line
#1

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 10.82 |
| MW-15 | 4 | 18 | 13.53 |
| MW-16 | 10 | 18 | 11.30 |
| MW-17 | 7 | 25 | 12.17 |
| MW-18 | 6 | 60 | 13.03 |
| MW-19 | 1 | 20 | 13.06 |
| MW-20 | 8 | 16.7 | 11.99 |
| DPE-1 | 15 | 21.9 | 14.04 |
| DPE-2 | 13 | 20.5 | 14.42 |
| DPE-3 | 14 | 17.1 | 14.5 |
| DPE-4 | 12 | 19.3 | 14.61 |
| DPE-5 | 9 | 18.1 | 14.14 |
| DPE-6 | 5 | 19.5 | 13.96 |
| DPE-7 | 2 | 22.2 | 15.20 |
| DPE-8 | 11 | 17.5 | 15.18 |
| Sump | 1 | 7.74 | |

OPERATING WATER LEVELS

| | |
|-------|------|
| DPE-1 | 21.8 |
| DPE-2 | 20.6 |
| DPE-3 | 17.0 |
| DPE-4 | 19.1 |
| DPE-5 | 18.3 |
| DPE-6 | 19.3 |
| DPE-7 | 22.0 |
| DPE-8 | 17.7 |

MONITORING IN ROOM

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 18.5 54 in H₂O
PRE-MANIFOLD VACUUM (IN. HG): 19
DPE WELL (PRE-MS-1) VACUUM (IN. HG): 20.5
POST-MS-1 VACUUM (IN. HG): 20.5
POST-MS-2 VACUUM (IN. HG): (Failure) = 24.5
DPE PUMP AIR FLOW (SCFM): 75
DPE EXHAUST PID CONC. (PPM): 17.8
DPE PUMP OUTLET PRESSURE (IN. H₂O): ND
DPE PUMP OUTLET TEMP (DEG. F): 151

SUMP ROOM PID: ND

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.7
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
MS PUMP FLOW TOTALIZER READING (GAL): ~~1027~~ 306476

BASEMENT PID READINGS: ND

AS EXHAUST PRESSURE (IN. H₂O): 7
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 25
AS BLOWER PRESSURE (IN. H₂O): 18
AS EXHAUST PID (PPM): 0.2

COMMENTS/MAINTENANCE:

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 1

new work 1/11/11

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

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

DATE: 1/6/11
 TIME:
 RECORDED BY:

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|-------|-----------------|-----------------------------|-----------------------------|------------------------|
| DPE-1 | 17.8 | 82 | 20.2 | 54 |
| DPE-2 | 23.6 | 76 | 20.6 | 149 |
| DPE-3 | 23.9 | 109 | 18.5 | 120 |
| DPE-4 | 13.8 | 102 | 19.0 | 148 |
| DPE-5 | 1.5 | 130 | 17 | 75 |
| DPE-6 | 2.6 | 110 | 19 | 98 |
| DPE-7 | 2.4 | 130 | 17.5 | 30 |
| DPE-8 | 10.2 | 140 | 16 | 70 |

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

1, 2, 4, 6, 8

appear bad
- replacing

Date:

1/6/11

Field Representative:

OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED

1, 2 + 8

today -

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

| |
|----|
| ✓ |
| ✓ |
| NA |
| NA |

See if
4 + 6

can be
adjusted

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

| |
|-----------|
| Last week |
| Last week |
| Last week |
| NA |
| NA |
| ✓ |

6 can not
be repaired

2 months ago

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

| |
|----|
| NA |
| NA |
| NA |
| NA |

Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

| |
|-------------|
| cleared all |
| cleared all |
| all |

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

12/22/10 *Restarted system*

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

DATE:
 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): 51.5
 DPE WELL VACUUM (IN. HG): 22.02
 DPE PUMP INLET VACUUM (IN. HG): 22.95
 DPE PUMP OUTLET PRESSURE (PSI): 0.02
 DPE PUMP OUTLET TEMP (DEG. F): 229
 MS PUMP WATER FLOW (GPM): 12.85

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 9378
 MS PUMP (HRS): 445
 MS VACUUM VALVE (HRS): 50
 AIR STRIPPER BLOWER (HRS): 3049
 AIR STRIPPER PUMP (HRS): 226
 DPE AIR FLOW (SCF): 37039000
 MS PUMP WATER FLOW (GAL): 270572
 SUMP PUMP WATER FLOW (GAL): 450

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): ^{H2O} 60 ~~21.00~~
 PRE-MANIFOLD VACUUM (IN. HG): 22
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 22
 POST-MS-1 VACUUM (IN. HG): 23
 POST-MS-2 VACUUM (IN. HG): ~~23~~ - Failure
 DPE PUMP AIR FLOW (SCFM): 50
 DPE EXHAUST PID CONC. (PPM): 0.1
 DPE PUMP OUTLET PRESSURE (IN. H2O): 0
 DPE PUMP OUTLET TEMP (DEG. F): 209

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.9
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
 MS PUMP FLOW TOTALIZER READING (GAL): 283954

AS EXHAUST PRESSURE (IN. H2O): 9
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 24
 AS BLOWER PRESSURE (IN. H2O): 18
 AS EXHAUST PID (PPM):

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):
 5148

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 11.58 |
| MW-15 | 4 | 18 | 14.03 |
| MW-16 | 10 | 18 | 12.63 |
| MW-17 | 7 | 25 | 12.50 |
| MW-18 | 6 | 60 | 13.20 |
| MW-19 | 1 | 20 | 13.69 |
| MW-20 | 8 | 16.7 | 12.15 |
| DPE-1 | 15 | 21.9 | 15.72 |
| DPE-2 | 13 | 20.5 | 15.72 |
| DPE-3 | 14 | 17.1 | 13.62 |
| DPE-4 | 12 | 19.3 | 14.89 |
| DPE-5 | 9 | 18.1 | 13.41 |
| DPE-6 | 5 | 19.5 | 14.89 |
| DPE-7 | 2 | 22.2 | 16.02 |
| DPE-8 | 11 | 17.5 | 15.40 |
| Sump | 1 | 7.74 | 6.48 |

OPERATING WATER LEVELS

| | |
|-------|------------|
| DPE-1 | 21.80 |
| DPE-2 | 20.3 - Dry |
| DPE-3 | 17.1 - Dry |
| DPE-4 | 19.2 - Dry |
| DPE-5 | 18.1 - Dry |
| DPE-6 | 19.2 Dry |
| DPE-7 | 22.1 Dry |
| DPE-8 | 17.3 Dry |

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

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

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

DATE: 12/23/10
 TIME:
 RECORDED BY:

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|-------|--------------|-----------------------|-----------------------|---------------------|
| DPE-1 | 10.1 | 55 | 22.95 | -60 |
| DPE-2 | 2.8 | 70 | 22.14 | -150 |
| DPE-3 | 28.2 | 78 | 21.75 | -170 |
| DPE-4 | 23.1 | 80 | 21.25 | -77 |
| DPE-5 | 17.7 | 150 | 15.8 | -110 |
| DPE-6 | 11.4 | 105 | 19.8 | -116 |
| DPE-7 | 10.7 | 65 | 22.0 | -185 |
| DPE-8 | 11.4 | 150 | 15.00 | -90 |

94.1 me

Start test 06:30 ① Had to Blank 2 + 8
 - 8:30 21

CAN @ 06:30 -30

- 7:15 - ③
- 8:00 - ④
- 8:45 - ⑤
- 9:30 - ⑥
- 10:15 - ⑦
- 11:00 - ⑧
- 11:45 - ②

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 12/23/10

Field Representative: _____

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

| |
|---|
| ✓ |
| ✓ |
| ✓ |
| ✓ |

new today

new today

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

| |
|---|
| ✓ |
| ✓ |
| |
| |
| ✓ |
| |

None

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

| |
|---|
| |
| ✓ |
| ✓ |

Looking Bad

4" flex hose

Solenoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

| |
|---|
| ✓ |
| ✓ |
| |

Need three new ones

1, 2, 8

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 12, 2010
 Station: _____ Sample time: _____

| Multiple Sampling Log: | 12/23/10 | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|----------|-----------------|----------------|--------------|----------------|---------|-------|--------------|
| Location: | | | | | | | | |
| DPE-1: | | 8:15 | 18.61 | 1982 | 5.96 | -47 | 12.57 | Cloudy |
| DPE-2: | | 9:15 | 17.6 | 962 | 7.09 | -42 | 11.6 | |
| DPE-3: | | 10:15 | 16.2 | 5922 | 7.15 | 17 | 16.23 | cloudy |
| DPE-4: | | 11:15 | 17.1 | 3227 | 7.46 | 3.9 | — | — |
| DPE-5: | | 12:15 | 17.4 | 2216 | 7.12 | -13 | 10.3 | |
| DPE-6: | | 13:15 | 17.2 | 3341 | 7.11 | -12 | 10.9 | |
| DPE-7: | | 14:15 | 17.3 | 5901 | 7.09 | -18 | 8.6 | |
| DPE-8: | | 15:15 | 17.3 | 4162 | | | | |
| Rate, gpm: | | | | | | | | |
| Volume purged: | | | | | | | | |
| Duplicate collected? | | | | | | | | |
| Sampled by: | | | | | | | | |
| Others present: | | | | | Well Condition | | | |
| Analysis: | | VOC | filtered metal | ml filter | in-line filter | others: | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

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

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

DATE: 11/18/10
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):
 DPE WELL VACUUM (IN. HG):
 DPE PUMP INLET VACUUM (IN. HG):
 DPE PUMP OUTLET PRESSURE (PSI):
 DPE PUMP OUTLET TEMP (DEG. F):
 MS PUMP WATER FLOW (GPM):

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS):
 MS PUMP (HRS):
 MS VACUUM VALVE (HRS):
 AIR STRIPPER BLOWER (HRS):
 AIR STRIPPER PUMP (HRS):
 DPE AIR FLOW (SCF):
 MS PUMP WATER FLOW (GAL):
 SUMP PUMP WATER FLOW (GAL):

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG):
 PRE-MANIFOLD VACUUM (IN. HG):
 DPE WELL (PRE-MS-1) VACUUM (IN. HG):
 POST-MS-1 VACUUM (IN. HG):
 POST-MS-2 VACUUM (IN. HG):
 DPE PUMP AIR FLOW (SCFM):
 DPE EXHAUST PID CONC. (PPM):
 DPE PUMP OUTLET PRESSURE (IN. H2O):
 DPE PUMP OUTLET TEMP (DEG. F):

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

AS EXHAUST PRESSURE (IN. H2O):
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
 AS BLOWER PRESSURE (IN. H2O):
 AS EXHAUST PID (PPM):

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------------|------------------------------------|--|
| MW-14 | 3 | 17.5 | 11.785 |
| MW-15 | 4 | 18 | 13.79 |
| MW-16 | 10 | 18 | 11.61 |
| MW-17 | 7 | 25 | 12.68 |
| MW-18 | 6 | 60 | 13.54 |
| MW-19 | 1 | 20 | 13.26 |
| MW-20 | 8 | 16.7 | 11.68 |
| DPE-1 | 15 | 21.9 | 14.79 |
| DPE-2 | 13 | 20.5 | 14.79 |
| DPE-3 | 14 | 17.1 | 14.62 |
| DPE-4 | 12 | 19.3 | 14.93 |
| DPE-5 | 9 | 18.1 | 14.19 |
| DPE-6 | 5 | 19.5 | 14.24 |
| DPE-7 | 2 | 22.2 | 15.59 |
| DPE-8 | 11 | 17.5 | 15.37 |
| Sump | 1 | 7.74 | 6.59 |

OPERATING WATER LEVELS

| |
|-------|
| DPE-1 |
| DPE-2 |
| DPE-3 |
| DPE-4 |
| DPE-5 |
| DPE-6 |
| DPE-7 |
| DPE-8 |

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

Field 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 12, 2010 *11/18/10*
 Station: _____ Sample time: _____

| Multiple Sampling Log: | | Time/Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|------------------------|-------|----------------|-----------|----------------|----------------|------|------|-----------------|
| Location: | | | | | | | | |
| DPE-1: 19 | 11:00 | ↗ | 19.7 | 1446 | 6.14 | 25.0 | 4.86 | cldy |
| DPE-2: 14 | 11:30 | | 19.54 | 1137 | 6.95 | -42 | 3.49 | cldy |
| DPE-3: 15 | 12:00 | ↘ | 16.99 | 4653 | 6.74 | -25 | 3.71 | cldy |
| DPE-4: 18 | 12:30 | | 17.34 | 1640 | 7.51 | -66 | 2.70 | clear |
| DPE-5: 17 | 13:00 | | 18.47 | 2102 | 7.43 | -62 | 2.23 | cldy |
| DPE-6: 20 | 13:30 | | 18.39 | 4497 | 7.44 | -62 | 3.86 | cldy |
| DPE-7: 16 | 14:00 | | 19.19 | 2935 | 7.61 | -71 | 3.54 | cldy |
| DPE-8: | | | | | | | | |
| Rate, gpm: | | | | | | | | |
| Volume purged: | | | | | | | | |
| Duplicate collected? | | | | | | | | |
| Sampled by: | | | | | | | | |
| Others present: | | | | | Well Condition | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |

dry 1.5 vol

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 11:10/10
 Station: _____ Sample time: _____

| | | | | | | | | |
|--|-----------------------|--------------------|------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 20 | | | | | | | |
| Static water level: | 13.26 | | 16.99 | 4653 | 6.74 | -25 | 3.71 | cldy |
| Water depth ¹ : | 6.74 | | | | | | | |
| Well volume (gal): | 1 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Bail | | | | | | | |
| Start time: | | | | | | | | |
| Stop time: | | | | | | | | |
| Duration (min.): | | Odor: | | | | | | |
| Rate, gpm: | | Purge appearance: | clonby | | | | | |
| Volume purged: | 1 | Sample appearance: | clear | | | | | |
| Duplicate collected? | No | Comments: | | | | | | |
| Sampled by: | JEG | | | | | | | |
| Others present: | | | | Well Condition | NEW | | | |
| Analysis: | <u>VOC</u> | 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-16 Date: ~~May 12, 2010~~ 11/18/10
 Station: _____ Sample time: 14:00

| | | | | | | | | |
|----------------------------|-------|--------------------|------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 18 | | | | | | | |
| Static water level: | 11.61 | | 19.19 | 2935 | 7.61 | -71 | 3.54 | |
| Water depth ¹ : | 6.39 | | | | | | | |
| Well volume (gal): | 1 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Boyle | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | 1 dry | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |

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

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-14 Date: May 12, 2010 11:30
 Station: _____ Sample time: 11:30

| | | | | | | | | |
|--|---|--------------------|------------|--------------|------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 17.5 | | | | | | | |
| Static water level: | 11.16 | | 19.54 | 1137 | 6.95 | -42 | 3.49 | |
| Water depth ¹ : | 6.34 | | | | | | | |
| Well volume (gal): | 1 | | | | | | | |
| Purge method: | Whol | | | | | | | |
| Sample Method: | Dialga | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | ND | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | +3 gal dry | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | — | Well Condition | | | | | | |
| Analysis: | VOO 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 11/8/10
 Station: _____ Sample time: _____

| | | | | | | | | |
|----------------------------|-------|--------------------|------------|----------------|---------|------|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 18 | | | | | | | |
| Static water level: | 13.79 | | 19.70 | 1446 | 6.14 | 25.0 | 4.06 | |
| Water depth ¹ : | 4.21 | | | | | | | |
| Well volume (gal): | 0.6 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Baker | | | | | | | |
| Start time: | / | | | | | | | |
| Stop time: | / | | | | | | | |
| Duration (min.): | / | Odor: | | | | | | |
| Rate, gpm: | / | Purge appearance: | cloudy | | | | | |
| Volume purged: | 0.67 | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | / | Comments: | | | | | | |
| Sampled by: | / | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |

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

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-18 Date: May 12, 2010 11/18/10
 Station: _____ Sample time: 12:30

| | | | | | | | | |
|--|-----------------------|--------------------|------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 60 | | | | | | | |
| Static water level: | 46.6 13.54 | | 17.34 | 1640 | 7.91 | -66 | 270 | |
| Water depth ¹ : | 46.46 | | | | | | | |
| Well volume (gal): | 7.5 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Barter | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | 40 ⁶⁻ | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | NO | Comments: | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

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~~ 11/18/10
 Station: 25 Sample time: 13:00

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|-----------|--------------------|------------|----------------|---------|-----|------|--------------|
| Total well depth: | 25 | | | | | | | |
| Static water level: | 12.68 | | 18.47 | 2102 | 7.43 | -62 | 2.23 | |
| Water depth ¹ : | 12.32 | | | | | | | |
| Well volume (gal): | 2 | | | | | | | |
| Purge method: | Whirl | | | | | | | |
| Sample Method: | B | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | 2 gal dry | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-20 Date: ~~May 12, 2010~~ 4/18/10
 Station: _____ Sample time: 13:30

| | | | | | | | | |
|--|---------------------|--------------------|------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 16.7 | | | | | | | |
| Static water level: | 11.60 | | 18.39 | 4497 | 7.44 | -62 | 3.88 | |
| Water depth ¹ : | 5.02 | | | | | | | |
| Well volume (gal): | 0.8 | | | | | | | |
| Purge method: | Whet | | | | | | | |
| Sample Method: | Boyle | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | 0.75 gallon down | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

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

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

DATE: 10/18/10
TIME: 0950
RECORDED BY: JEB

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

#5
DPE PUMP AIR FLOW (SCFM): 128.3
DPE WELL VACUUM (IN. HG): 15.31
DPE PUMP INLET VACUUM (IN. HG): 16.06
DPE PUMP OUTLET PRESSURE (PSI): 0
DPE PUMP OUTLET TEMP (DEG. F): 200.1
MS PUMP WATER FLOW (GPM): 12.7

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 866.2
MS PUMP (HRS): 408
MS VACUUM VALVE (HRS): 50
AIR STRIPPER BLOWER (HRS): 2742
AIR STRIPPER PUMP (HRS): 704
DPE AIR FLOW (SCF): 30379000
MS PUMP WATER FLOW (GAL): 243394
SUMP PUMP WATER FLOW (GAL): 350

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | XXXXXXXXXX |
| MW-15 | 4 | 18 | |
| MW-16 | 10 | 18 | |
| MW-17 | 7 | 25 | |
| MW-18 | 6 | 60 | |
| MW-19 | 1 | 20 | |
| MW-20 | 8 | 16.7 | |
| DPE-1 | 15 | 21.9 | |
| DPE-2 | 13 | 20.5 | |
| DPE-3 | 14 | 17.1 | |
| DPE-4 | 12 | 19.3 | |
| DPE-5 | 9 | 18.1 | |
| DPE-6 | 5 | 19.5 | |
| DPE-7 | 2 | 22.2 | |
| DPE-8 | 11 | 17.5 | |
| Sump | 1 | 7.74 | |

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 100" H2O
PRE-MANIFOLD VACUUM (IN. HG): 15
DPE WELL (PRE-MS-1) VACUUM (IN. HG): 15
POST-MS-1 VACUUM (IN. HG): 15.1
POST-MS-2 VACUUM (IN. HG): 15.1
DPE PUMP AIR FLOW (SCFM): 130
DPE EXHAUST PID CONC. (PPM): ND
DPE PUMP OUTLET PRESSURE (IN. H2O): 0
DPE PUMP OUTLET TEMP (DEG. F): 198

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 12.9
MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
MS PUMP FLOW TOTALIZER READING (GAL): 255417

AS EXHAUST PRESSURE (IN. H2O): 5
AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 18
AS BLOWER PRESSURE (IN. H2O): 24
AS EXHAUST PID (PPM): ND

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

OPERATING WATER LEVELS

| | |
|-------|-----------------------|
| DPE-1 | XXXXXXXXXX |
| DPE-2 | |
| DPE-3 | |
| DPE-4 | |
| DPE-5 | |
| DPE-6 | |
| DPE-7 | |
| DPE-8 | |

SUMP ROOM PID:

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

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

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

DATE: _____
 TIME: _____
 RECORDED BY: _____

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|-------|--------------|-----------------------|-----------------------|---------------------|
| DPE-1 | 25 | 40 | 20 | 60 |
| DPE-2 | 15.7 | 55 | 19 | 151 |
| DPE-3 | 30.4 | 85 | 17.5 | 126 |
| DPE-4 | ND | 64 | 17.5 | 85 |
| DPE-5 | ND | 125 | 15 | 100 |
| DPE-6 | 10.2 | 80 | 18.5 | 110 |
| DPE-7 | ND | 105 | 15.5 | 31 |
| DPE-8 | ND | 65 | 19.5 | 60 |

77.4 gpc

~~CAN SAMPLE @ 09:30~~
~~CAN -30 @ 09:30~~
~~Regulator PAZZ4~~
~~CAN # 1293~~

Failed

CAN @ 09:35
 CAN -30 @ 09:35
 Regulator PAZ88
 CAN 965

→ 1030 - 23
 3:30
 -6

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 10/13/10

Field Representative: _____

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

Check Box

| |
|---|
| ✓ |
| ✓ |
| ✓ |

_____ - Removed screen

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

| |
|---|
| ✓ |
| ✓ |
| |
| |
| |
| ✓ |

_____ NA

_____ Replaced 1 micron

_____ Replaced 1 micron

| |
|--|
| |
|--|

_____ Previous visit

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

| |
|---|
| ✓ |
| ✓ |
| ✓ |

_____ added 1 gal Turd

| |
|---|
| ✓ |
|---|

Solenoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

| |
|--|
| |
| |
| |

_____ Previous visit

_____ by Jason

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

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

DATE: 9/27/10
 TIME: 10:30
 RECORDED BY: JOS

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-5
 DPE WELL BLEED VALVE % OPEN: 100%
 DPE PUMP BLEED VALVE % OPEN: 0%

ANALOG PANEL READINGS
 DPE PUMP AIR FLOW (SCFM): 122.7
 DPE WELL VACUUM (IN. HG): 14.93
 DPE PUMP INLET VACUUM (IN. HG): 15.75
 DPE PUMP OUTLET PRESSURE (PSI): -02
 DPE PUMP OUTLET TEMP (DEG. F): 210.9
 MS PUMP WATER FLOW (GPM): 13.19

START
 - 1530 - 27" Hg vac
 # 0096
 1538 - 17
 END
 1556 - 5.5" Hg vac

| | STATIC WATER LEVELS | | |
|-------|------------------------|---------------------------|-------------------------------|
| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
| MW-14 | 3 | 17.5 | 10.85 |
| MW-15 | 4 | 18 | 13.68 |
| MW-16 | 10 | 18 | 11.37 |
| MW-17 | 7 | 25 | 12.68 |
| MW-18 | 6 | 60 | 13.79 |
| MW-19 | 1 | 20 | 12.94 |
| MW-20 | 8 | 16.7 | 10.17 |
| DPE-1 | 15 | 21.9 | 16.54 - 4.84 |
| DPE-2 | 13 | 20.5 | 14.92 stick up |
| DPE-3 | 14 | 17.1 | 14.29 riser |
| DPE-4 | 12 | 19.3 | 14.74 |
| DPE-5 | 9 | 18.1 | 13.23 |
| DPE-6 | 5 | 19.5 | 13.98 |
| DPE-7 | 2 | 22.2 | 15.36 |
| DPE-8 | 11 | 17.5 | 14.75 |
| Sump | 1 | 7.74 | 6.02 |

TOTAL PANEL READINGS
 DPE VACUUM PUMP (HRS): 8222
 MS PUMP (HRS): 389
 MS VACUUM VALVE (HRS): 50
 AIR STRIPPER BLOWER (HRS): 2578
 AIR STRIPPER PUMP (HRS): 192
 DPE AIR FLOW (SCF): 28334000
 MS PUMP WATER FLOW (GAL): 228896
 SUMP PUMP WATER FLOW (GAL): 350

FIELD MEASUREMENTS IN HG
 DPE WELL CASING VACUUM (MM HG): 90
 PRE-MANIFOLD VACUUM (IN. HG): 14
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 14
 POST-MS-1 VACUUM (IN. HG): 15
 POST-MS-2 VACUUM (IN. HG): 15
 DPE PUMP AIR FLOW (SCFM): 135
 DPE EXHAUST PID CONC. (PPM): 4000 ↑
 DPE PUMP OUTLET PRESSURE (IN. H2O): 0
 DPE PUMP OUTLET TEMP (DEG. F): 210

OPERATING WATER LEVELS

| | |
|-------|-------|
| DPE-1 | 23.81 |
| DPE-2 | 20.5 |
| DPE-3 | 19.35 |
| DPE-4 | 19.23 |
| DPE-5 | 18.1 |
| DPE-6 | 19.30 |
| DPE-7 | 21.65 |
| DPE-8 | 17.60 |

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 13.2
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 14
 MS PUMP FLOW TOTALIZER READING (GAL): 240247

SUMP ROOM PID: 0

AS EXHAUST PRESSURE (IN. H2O): 7
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI): 25
 AS BLOWER PRESSURE (IN. H2O): 18
 AS EXHAUST PID (PPM): -

BASEMENT PID READINGS: 0

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): 514.9

COMMENTS/MAINTENANCE:
 • DPE-1, DPE-3 solenoids are sticking - TAPPED w/ a wrench

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

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

DATE: 9/27/10
 TIME:
 RECORDED BY: JDS

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | IN H ₂ O WELL CASING VACUUMS | time | CONSUMER VAC |
|-------|--------------|-----------------------|-----------------------|---|------|--------------|
| DPE-1 | 1750 ↑ | 82 | 18.23 | 52 | 1546 | 11 |
| DPE-2 | 4000 ↑ | 52.4 | 20.98 | 200 | 1548 | → 9 |
| DPE-3 | 3260 ↑ | 68.6 | 19.5 | 130 | 1550 | 8 |
| DPE-4 | 2300 ↑ | 58.3 | 20.28 | 125 | 1552 | 7.5 |
| DPE-5 | 4000 ↑ | 119 | 15.78 | 90 | 1530 | 27 |
| DPE-6 | 4000 ↑ | 92 | 18.08 | 100 | 1540 | 17 |
| DPE-7 | 4000 ↑ | 96.7 | 17.18 | 40 | 1542 | 14 |
| DPE-8 | 4000 ↑ | 125.5 | 15.91 | 90 | 1544 | 12.5 |

86.8 *and*

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Date: 9/27/10

Field Representative: JOS

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

| Check Box |
|-----------|
| ✓ |
| ✓ |
| ✓ |
| ✓ |

NEW OIL w/ Reinstalled pump

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

| |
|---|
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |
| ✓ |

ordered new ones Not id yet

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

| |
|---|
| ✓ |
| ✓ |
| ✓ |
| ✓ |

Not needed
Not needed

Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

| |
|---|
| ✓ |
| ✓ |
| ✓ |

cleaned DPE-1 valve

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

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

DATE: 8/18/10
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):
 DPE WELL VACUUM (IN. HG):
 DPE PUMP INLET VACUUM (IN. HG):
 DPE PUMP OUTLET PRESSURE (PSI):
 DPE PUMP OUTLET TEMP (DEG. F):
 MS PUMP WATER FLOW (GPM):

Blower Failure

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS):
 MS PUMP (HRS):
 MS VACUUM VALVE (HRS):
 AIR STRIPPER BLOWER (HRS):
 AIR STRIPPER PUMP (HRS):
 DPE AIR FLOW (SCF):
 MS PUMP WATER FLOW (GAL):
 SUMP PUMP WATER FLOW (GAL):

STATIC WATER LEVELS

| | Clean to Dirty Ranking | Well Depth below TOC (FT) | Depth to Water below TOC (FT) |
|-------|------------------------|---------------------------|-------------------------------|
| MW-14 | 3 | 17.5 | 13.28 |
| MW-15 | 4 | 18 | 16.24 |
| MW-16 | 10 | 18 | 13.91 |
| MW-17 | 7 | 25 | 15.08 |
| MW-18 | 6 | 60 | 16.53 |
| MW-19 | 1 | 20 | 15.71 |
| MW-20 | 8 | 16.7 | 12.71 |
| DPE-1 | 15 | 21.9 | 16.80 |
| DPE-2 | 13 | 20.5 | 17.58 |
| DPE-3 | 14 | 17.1 | 17.20 |
| DPE-4 | 12 | 19.3 | 16.74 |
| DPE-5 | 9 | 18.1 | 16.55 |
| DPE-6 | 5 | 19.5 | 16.56 |
| DPE-7 | 2 | 22.2 | 17.98 |
| DPE-8 | 11 | 17.5 | 17.21 |
| Sump | 1 | 7.74 | 6.72 |

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG):
 PRE-MANIFOLD VACUUM (IN. HG):
 DPE WELL (PRE-MS-1) VACUUM (IN. HG):
 POST-MS-1 VACUUM (IN. HG):
 POST-MS-2 VACUUM (IN. HG):
 DPE PUMP AIR FLOW (SCFM):
 DPE EXHAUST PID CONC. (PPM):
 DPE PUMP OUTLET PRESSURE (IN. H2O):
 DPE PUMP OUTLET TEMP (DEG. F):

Replaced SA TOC

OPERATING WATER LEVELS

DPE-1
 DPE-2
 DPE-3
 DPE-4
 DPE-5
 DPE-6
 DPE-7
 DPE-8

SUMP ROOM PID:

BASEMENT PID READINGS:

COMMENTS/MAINTENANCE:

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

AS EXHAUST PRESSURE (IN. H2O):
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
 AS BLOWER PRESSURE (IN. H2O):
 AS EXHAUST PID (PPM):

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL):

000005 X00

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 8/18/10
 Station: _____ Sample time: 14:40

| | | | | | | | | |
|--|--------|---------------------------|------------|----------------|---------|-----|------|--------------|
| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
| Total well depth: | 17.5 | | | | | | | |
| Static water level: | 13.20 | | 19.16 | 1088 | 8.24 | 285 | 5.51 | |
| Water depth ¹ : | 4.22 | | | | | | | |
| Well volume (gal): | 0.7 | | | | | | | |
| Purge method: | Wholly | | | | | | | |
| Sample Method: | Bulk | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | | | | | | |
| Volume purged: | 0.7 | Sample appearance: | | | | | | |
| Duplicate collected? | | Comments: 1 volume dry | | | | | | |
| Sampled by: | | | | | | | | |
| Others present: | | Well Condition | | | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling 14:59
 Project Name: CRC Project Number: CRC-10
 Location: MW-15 Date: ~~May 12, 2010~~ 8/18/10
 Station: _____ Sample time: _____

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|------------------|--------------------|--------------|----------------|---------|-----|------|--------------|
| Total well depth: | 18 | | | | | | | |
| Static water level: | 16.24 | | 21.3 | 1593 | 10.6 | 166 | 6.04 | |
| Water depth ¹ : | 1.76 | | | | | | | |
| Well volume (gal): | 0.3 | | | | | | | |
| Purge method: | | | | | | | | |
| Sample Method: | | | | | | | | |
| Start time: | _____ | | | | | | | |
| Stop time: | _____ | | | | | | | |
| Duration (min.): | _____ | Odor: | NO | | | | | |
| Rate, gpm: | _____ | Purge appearance: | cloudy | | | | | |
| Volume purged: | _____ | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | _____ | Comments: | 1 volume dry | | | | | |
| Sampled by: | _____ | | | | | | | |
| Others present: | | Well Condition | | | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-16 Date: May 12, 2010 8/18/10
 Station: _____ Sample time: 16:49

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|---------|--------------------|--------------|----------------|---------|----|------|--------------|
| Total well depth: | 18 | | | | | | | |
| Static water level: | 13.91 | | 19.21 | 2695 | 10.3 | 45 | 6.26 | |
| Water depth ¹ : | 4.09 | | | | | | | |
| Well volume (gal): | .7 | | | | | | | |
| Purge method: | Whirl | | | | | | | |
| Sample Method: | Bailers | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | — | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: | 1 volume dry | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-17 Date: May ~~12, 2010~~ 8/18/10
 Station: 25 Sample time: 15:59

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|--------|---------------------------|------------|----------------|---------|----|------|--------------|
| Total well depth: | 25 | | | | | | | |
| Static water level: | 15.08 | | 18.29 | 1759 | 10.4 | 15 | 3.51 | |
| Water depth ¹ : | 9.22 | | | | | | | |
| Well volume (gal): | 1.6 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Bottle | | | | | | | |
| Start time: | / | | | | | | | |
| Stop time: | / | | | | | | | |
| Duration (min.): | / | Odor: | | | | | | |
| Rate, gpm: | / | Purge appearance: | | | | | | |
| Volume purged: | / | Sample appearance: | | | | | | |
| Duplicate collected? | / | Comments: 1 volume dry | | | | | | |
| Sampled by: | / | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling 1535
 Project Name: CRC Project Number: CRC-10
 Location: MW-18 Date: May 12, 2010 8/18/10
 Station: _____ Sample time: _____

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|--------|----------------------------|------------|----------------|---------|-----|------|--------------|
| Total well depth: | 60 | | | | | | | |
| Static water level: | 16.53 | | 18.7 | 1695 | 11.03 | 721 | 0.63 | |
| Water depth ¹ : | 43.47 | | 17.3 | 1876 | 10.3 | -69 | 0.69 | |
| Well volume (gal): | 7.1 | | | | | | | |
| Purge method: | Whale | | | | | | | |
| Sample Method: | Bottom | | | | | | | |
| Start time: | — | | | | | | | |
| Stop time: | — | | | | | | | |
| Duration (min.): | — | Odor: | no | | | | | |
| Rate, gpm: | — | Purge appearance: | cloudy | | | | | |
| Volume purged: | 14 | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | — | Comments: 2 volumes dry | | | | | | |
| Sampled by: | — | | | | | | | |
| Others present: | | Well Condition | | | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

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

Field Information Data Sheet

Landmark Environmental, LLC

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-19 Date: May 12, 2010 → 3/18/10
 Station: _____ Sample time: 14:00

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|--------|--------------------|--------------|----------------|---------|-----|------|--------------|
| Total well depth: | 20 | | | | | | | |
| Static water level: | 15.71 | | 17.28 | 3147 | 6.44 | 157 | 6.61 | |
| Water depth ¹ : | 4.29 | | | | | | | |
| Well volume (gal): | 0.7 | | | | | | | |
| Purge method: | whale | | | | | | | |
| Sample Method: | Barley | | | | | | | |
| Start time: | / | | | | | | | |
| Stop time: | / | | | | | | | |
| Duration (min.): | / | Odor: | | | | | | |
| Rate, gpm: | / | Purge appearance: | cloudy | | | | | |
| Volume purged: | .76 | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | / | Comments: | 1 volume dry | | | | | |
| Sampled by: | / | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | | |

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: MW-20 Date: ~~May 12, 2010~~ 8/18/10
 Station: _____ Sample time: 16:20

| Casing diameter: | 2" | Time/ Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|----------------------------|-------|--------------------|---------------|----------------|---------|-----|------|--------------|
| Total well depth: | 16.7 | | | | | | | |
| Static water level: | 12.71 | | 18.3 | 455 | 10.1 | 182 | 8.0 | |
| Water depth ¹ : | 3.99 | | | | | | | |
| Well volume (gal): | 07 | | | | | | | |
| Purge method: | Whirl | | | | | | | |
| Sample Method: | Bulge | | | | | | | |
| Start time: | / | | | | | | | |
| Stop time: | / | | | | | | | |
| Duration (min.): | / | Odor: | | | | | | |
| Rate, gpm: | / | Purge appearance: | cloudy | | | | | |
| Volume purged: | / | Sample appearance: | cloudy | | | | | |
| Duplicate collected? | / | Comments: | (volume d-) | | | | | |
| Sampled by: | / | | | | | | | |
| Others present: | | | | Well Condition | | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | | |

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

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

Field Information Data Sheet

**Landmark
Environmental, LLC**

Client Name: City of Rochester – Second Quarter Sampling
 Project Name: CRC Project Number: CRC-10
 Location: Multiple Location Date: May 12, 2010 8/13/10
 Station: _____ Sample time: _____

| Multiple Sampling Log: | Time/Volume | Temp °C | Cond @ 25 | pH | Eh | D.O. | Turb. NTU |
|--|-------------|----------------|-----------|----------------|---------|------|-----------|
| Location: | | | | | | | |
| DPE-1: | 18:00 | 19.3 | 2242 | 10.4 | 286 | 5.54 | |
| DPE-2: | 18:10 | 18.7 | 4401 | 10.4 | 258 | 5.07 | |
| DPE-3: | 18:20 | 18.4 | 4992 | 10.5 | 277 | 6.31 | |
| DPE-4: | 18:30 | 18.3 | 3296 | 10.6 | 252 | 6.90 | |
| DPE-5: | 18:40 | 18.3 | 2997 | 10.5 | 241 | 3.65 | |
| DPE-6: | 18:50 | 19.1 | 559 | 11.1 | 251 | 6.64 | |
| DPE-7: | 19:00 | 19.7 | 1012 | 11.1 | 276 | 4.13 | |
| DPE-8: | 19:10 | 17.6 | 3115 | 11.0 | 262 | 6.68 | |
| Rate, gpm: | | | | | | | |
| Volume purged: | | | | | | | |
| Duplicate collected? | | | | | | | |
| Sampled by: | | | | | | | |
| Others present: | | | | Well Condition | | | |
| Analysis: | VOC | filtered metal | ml filter | in-line filter | others: | | |
| MW:gw monitoring well WS:water supply well SW:surface water SE:sediment other: | | | | | | | |

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

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

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

DATE: 7/26/10
 TIME: 11:00
 RECORDED BY:

2009 SYSTEM STARTUP INFORMATION

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

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

CURRENT OPERATING WELL:
 DPE WELL BLEED VALVE % OPEN: 11:29 -29
 14:19 -10
 15:31 -4
 CAN SAMPLE

stopped test early

STATIC WATER LEVELS

| Well | Clean to Dirty Ranking | Depth below TOC (FT) | Water below TOC (FT) |
|-------|------------------------|----------------------|----------------------|
| MW-14 | 3 | 17.5 | |
| MW-15 | 4 | 18 | |
| MW-16 | 10 | 18 | |
| MW-17 | 7 | 25 | |
| MW-18 | 6 | 60 | |
| MW-19 | 1 | 20 | |
| MW-20 | 8 | 16.7 | |
| DPE-1 | 15 | 21.9 | |
| DPE-2 | 13 | 20.5 | |
| DPE-3 | 14 | 17.1 | |
| DPE-4 | 12 | 19.3 | |
| DPE-5 | 9 | 18.1 | |
| DPE-6 | 5 | 19.5 | |
| DPE-7 | 2 | 22.2 | |
| DPE-8 | 11 | 17.5 | |
| Sump | 1 | 7.74 | |

ANALOG PANEL READINGS

DPE PUMP AIR FLOW (SCFM): 99.8
 DPE WELL VACUUM (IN. HG): 15.91
 DPE PUMP INLET VACUUM (IN. HG): 16.74
 DPE PUMP OUTLET PRESSURE (PSI): 0.1
 DPE PUMP OUTLET TEMP (DEG. F): 225.7
 MS PUMP WATER FLOW (GPM): 12.94

TOTAL PANEL READINGS

DPE VACUUM PUMP (HRS): 367
 MS PUMP (HRS): 371
 MS VACUUM VALVE (HRS): 50
 AIR STRIPPER BLOWER (HRS): 2368
 AIR STRIPPER PUMP (HRS): 180
 DPE AIR FLOW (SCF): 2589000
 MS PUMP WATER FLOW (GAL): 217314
 SUMP PUMP WATER FLOW (GAL): 330

JOS
 Typo - should be based on site lab data

FIELD MEASUREMENTS

DPE WELL CASING VACUUM (MM HG): 80"
 PRE-MANIFOLD VACUUM (IN. HG): 14.5
 DPE WELL (PRE-MS-1) VACUUM (IN. HG): 15
 POST-MS-1 VACUUM (IN. HG): 16.5
 POST-MS-2 VACUUM (IN. HG): 16.5
 DPE PUMP AIR FLOW (SCFM): 105
 DPE EXHAUST PID CONC. (PPM): 3.8
 DPE PUMP OUTLET PRESSURE (IN. H2O): ND
 DPE PUMP OUTLET TEMP (DEG. F): 220

OPERATING WATER LEVELS

| | |
|-------|--|
| DPE-1 | |
| DPE-2 | |
| DPE-3 | |
| DPE-4 | |
| DPE-5 | |
| DPE-6 | |
| DPE-7 | |
| DPE-8 | |

SUMP ROOM PID: ND

MS PUMP WATER FLOWRATE (WHILE PUMPING) (GPM): 13.1
 MS PUMP WATER PRESSURE (WHILE PUMPING) (PSI): 15
 MS PUMP FLOW TOTALIZER READING (GAL): 226504

BASEMENT PID READINGS: ND

COMMENTS/MAINTENANCE:

AS EXHAUST PRESSURE (IN. H2O): 10
 AS DISCHARGE PUMP PRESSURE (WHILE PUMPING) (PSI):
 AS BLOWER PRESSURE (IN. H2O): 18
 AS EXHAUST PID (PPM): ND

← did not observe

ELEVATOR DRAIN TILE SUMP FLOW TOTALIZER (GAL): ND

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

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

DATE: _____
 TIME: _____
 RECORDED BY: _____

| | PID READINGS | DPE EXHAUST FLOW RATE | DPE PUMP INLET VACUUM | WELL CASING VACUUMS |
|------------------------|--------------------|-----------------------|-----------------------|---------------------------------|
| <i>with 0</i> DPE-1 | 0.1 ND | 100 | 11 / 11 | <i>0</i> - 76 / 49 [↑] |
| DPE-2 | 0.6 | 40 | 22 | 150 |
| DPE-3 | ND | 65 | 17.5 | 126 |
| DPE-4 | 19.0 | 60 | 20 | 148 |
| DPE-5 | 5.7 | 100 | 15 | 100 |
| DPE-6 | 4.4 | 60 | 18 | 115 |
| DPE-7 | 0.1 | 75 | 17 | 70 |
| <i>only 0</i> DPE-8 | 1.4 3.0 | 105 | 14.5 | 80 |

only 1 1.4 40 19 10

AVE FLOW - 75.625 scfm

MAINTENANCE CHECKLIST (Revised 4/13/10)

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

Completely pulled piping out of 1 -
cleaned and back flush piping -
K-Packer is Broken - installed
check valve.

Date: _____

7/26/10

Field Representative: _____

**OBSERVATIONS AND/OR
DESCRIPTION OF MAINTENANCE
PERFORMED**

DPE Pump Maintenance

- Inspect Hoses, Piping and Fittings for Oil Leaks - MONTHLY
- Check Oil Level (level should show at middle of site glass) - MONTHLY
- Change Oil - EVERY 5,000 OPERATING HOURS
- Clean Pump Inlet Opening - MONTHLY

| Check Box | |
|-------------------------------------|----------------|
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | same as always |

Moisture Separator Maintenance

- Clean Floats - MONTHLY
- Check Sediment - MONTHLY
- Remove Sediment - MONTHLY
- Replace MS#1 Filter (5 micron) - If Pressure Drop Occurs
- Replace MS#2 Filter (1 micron) - If Pressure Drop Occurs
- Transfer Pump (Moyno 34401 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Replace Transfer Pump Stator - SEMI-ANNUALLY

| | |
|-------------------------------------|---|
| <input checked="" type="checkbox"/> | _____ |
| <input type="checkbox"/> | → sediment has leveled off - move semi-annual |
| <input type="checkbox"/> | → Need a new 5 micron |
| <input type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| <input type="checkbox"/> | NEED a new stator |

Air Stripper Maintenance

- Clean Air Stripper - ANNUALLY OR AS NEEDED
- Clean Floats - Quarterly
- Discharge Pump (Meyers CT10 1 HP) - Inspect Hoses, Piping and Fittings for Water Leaks - MONTHLY
- Blower (16N4 TBNA 3 HP) - Inspect Hoses, Piping and Fittings for Leaks - MONTHLY

| | |
|-------------------------------------|---------------------|
| <input checked="" type="checkbox"/> | added muriatic acid |
| <input checked="" type="checkbox"/> | _____ |
| <input checked="" type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |

Solonoid Valve Maintenance

- Inspect - MONTHLY
- Clean - AS NEEDED
- Rebuild - AS NEEDED

| | |
|-------------------------------------|------------------------|
| <input checked="" type="checkbox"/> | opened # in good shape |
| <input type="checkbox"/> | _____ |
| <input type="checkbox"/> | _____ |

Attachment B

March 31, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10152643

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on March 24, 2011. 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

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10152643

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10152643

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10152643001 | DPE-EXHAUST-1186 | Air | 03/23/11 17:00 | 03/24/11 12:01 |
| 10152643002 | 0708 | Air | | 03/24/11 12:01 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10152643

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10152643001 | DPE-EXHAUST-1186 | TO-15 | DR1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10152643

| Sample: DPE-EXHAUST-1186 | Lab ID: 10152643001 | Collected: 03/23/11 17:00 | Received: 03/24/11 12:01 | Matrix: Air | | | | |
|-----------------------------|---------------------|---------------------------|--------------------------|-------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Acetone | 25.4 | ug/m3 | 17.3 | 36 | | 03/26/11 02:12 | 67-64-1 | |
| Benzene | ND | ug/m3 | 23.4 | 36 | | 03/26/11 02:12 | 71-43-2 | |
| Benzyl chloride | ND | ug/m3 | 37.8 | 36 | | 03/26/11 02:12 | 100-44-7 | |
| Bromodichloromethane | ND | ug/m3 | 50.4 | 36 | | 03/26/11 02:12 | 75-27-4 | |
| Bromoform | ND | ug/m3 | 75.6 | 36 | | 03/26/11 02:12 | 75-25-2 | |
| Bromomethane | ND | ug/m3 | 28.4 | 36 | | 03/26/11 02:12 | 74-83-9 | |
| 1,3-Butadiene | ND | ug/m3 | 16.2 | 36 | | 03/26/11 02:12 | 106-99-0 | |
| 2-Butanone (MEK) | ND | ug/m3 | 21.6 | 36 | | 03/26/11 02:12 | 78-93-3 | |
| Carbon disulfide | ND | ug/m3 | 22.7 | 36 | | 03/26/11 02:12 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/m3 | 46.8 | 36 | | 03/26/11 02:12 | 56-23-5 | |
| Chlorobenzene | ND | ug/m3 | 33.8 | 36 | | 03/26/11 02:12 | 108-90-7 | |
| Chloroethane | ND | ug/m3 | 19.4 | 36 | | 03/26/11 02:12 | 75-00-3 | |
| Chloroform | ND | ug/m3 | 35.6 | 36 | | 03/26/11 02:12 | 67-66-3 | |
| Chloromethane | ND | ug/m3 | 15.1 | 36 | | 03/26/11 02:12 | 74-87-3 | |
| Cyclohexane | ND | ug/m3 | 24.5 | 36 | | 03/26/11 02:12 | 110-82-7 | |
| Dibromochloromethane | ND | ug/m3 | 61.2 | 36 | | 03/26/11 02:12 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 57.6 | 36 | | 03/26/11 02:12 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 43.2 | 36 | | 03/26/11 02:12 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 43.2 | 36 | | 03/26/11 02:12 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 43.2 | 36 | | 03/26/11 02:12 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/m3 | 36.0 | 36 | | 03/26/11 02:12 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/m3 | 29.5 | 36 | | 03/26/11 02:12 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/m3 | 29.5 | 36 | | 03/26/11 02:12 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/m3 | 29.2 | 36 | | 03/26/11 02:12 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/m3 | 29.2 | 36 | | 03/26/11 02:12 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 29.2 | 36 | | 03/26/11 02:12 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/m3 | 33.8 | 36 | | 03/26/11 02:12 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 33.1 | 36 | | 03/26/11 02:12 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 33.1 | 36 | | 03/26/11 02:12 | 10061-02-6 | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 50.4 | 36 | | 03/26/11 02:12 | 76-14-2 | |
| Ethanol | 139 | ug/m3 | 68.4 | 36 | | 03/26/11 02:12 | 64-17-5 | |
| Ethyl acetate | ND | ug/m3 | 26.3 | 36 | | 03/26/11 02:12 | 141-78-6 | |
| Ethylbenzene | ND | ug/m3 | 31.7 | 36 | | 03/26/11 02:12 | 100-41-4 | |
| 4-Ethyltoluene | ND | ug/m3 | 90.0 | 36 | | 03/26/11 02:12 | 622-96-8 | |
| n-Heptane | ND | ug/m3 | 29.9 | 36 | | 03/26/11 02:12 | 142-82-5 | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 79.2 | 36 | | 03/26/11 02:12 | 87-68-3 | |
| n-Hexane | 40.9 | ug/m3 | 25.9 | 36 | | 03/26/11 02:12 | 110-54-3 | |
| 2-Hexanone | ND | ug/m3 | 29.9 | 36 | | 03/26/11 02:12 | 591-78-6 | |
| Methylene Chloride | 310 | ug/m3 | 25.6 | 36 | | 03/26/11 02:12 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 29.9 | 36 | | 03/26/11 02:12 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/m3 | 26.3 | 36 | | 03/26/11 02:12 | 1634-04-4 | |
| Naphthalene | ND | ug/m3 | 97.2 | 36 | | 03/26/11 02:12 | 91-20-3 | |
| 2-Propanol | ND | ug/m3 | 90.0 | 36 | | 03/26/11 02:12 | 67-63-0 | |
| Propylene | ND | ug/m3 | 12.6 | 36 | | 03/26/11 02:12 | 115-07-1 | |
| Styrene | ND | ug/m3 | 31.3 | 36 | | 03/26/11 02:12 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 50.4 | 36 | | 03/26/11 02:12 | 79-34-5 | |
| Tetrachloroethene | 7340 | ug/m3 | 50.4 | 36 | | 03/26/11 02:12 | 127-18-4 | |

Date: 03/31/2011 05:36 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10152643

| Sample: DPE-EXHAUST-1186 | | Lab ID: 10152643001 | Collected: 03/23/11 17:00 | Received: 03/24/11 12:01 | Matrix: Air | | | |
|---------------------------------|--------------|----------------------------|---------------------------|--------------------------|-------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | ND | ug/m3 | 21.6 | 36 | | 03/26/11 02:12 | 109-99-9 | |
| Toluene | ND | ug/m3 | 27.7 | 36 | | 03/26/11 02:12 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 35.6 | 36 | | 03/26/11 02:12 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/m3 | 39.6 | 36 | | 03/26/11 02:12 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 39.6 | 36 | | 03/26/11 02:12 | 79-00-5 | |
| Trichloroethene | ND | ug/m3 | 39.6 | 36 | | 03/26/11 02:12 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 39.6 | 36 | | 03/26/11 02:12 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 49100 | ug/m3 | 458 | 286 | | 03/28/11 12:46 | 76-13-1 | A3 |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 36.0 | 36 | | 03/26/11 02:12 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 36.0 | 36 | | 03/26/11 02:12 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 25.6 | 36 | | 03/26/11 02:12 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 18.7 | 36 | | 03/26/11 02:12 | 75-01-4 | |
| m&p-Xylene | ND | ug/m3 | 63.4 | 36 | | 03/26/11 02:12 | 179601-23-1 | |
| o-Xylene | ND | ug/m3 | 31.7 | 36 | | 03/26/11 02:12 | 95-47-6 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10152643

QC Batch: AIR/11978 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10152643001

METHOD BLANK: 948640 Matrix: Air
Associated Lab Samples: 10152643001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 03/25/11 13:01 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 03/25/11 13:01 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 03/25/11 13:01 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 03/25/11 13:01 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 03/25/11 13:01 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 03/25/11 13:01 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 03/25/11 13:01 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 1.0 | 03/25/11 13:01 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 03/25/11 13:01 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/25/11 13:01 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 03/25/11 13:01 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 03/25/11 13:01 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 1.0 | 03/25/11 13:01 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 03/25/11 13:01 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/25/11 13:01 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/25/11 13:01 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 03/25/11 13:01 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 03/25/11 13:01 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 03/25/11 13:01 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 03/25/11 13:01 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 03/25/11 13:01 | |
| Acetone | ug/m3 | ND | 0.48 | 03/25/11 13:01 | |
| Benzene | ug/m3 | ND | 0.65 | 03/25/11 13:01 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 03/25/11 13:01 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 03/25/11 13:01 | |
| Bromoform | ug/m3 | ND | 2.1 | 03/25/11 13:01 | |
| Bromomethane | ug/m3 | ND | 0.79 | 03/25/11 13:01 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 03/25/11 13:01 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 03/25/11 13:01 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 03/25/11 13:01 | |
| Chloroethane | ug/m3 | ND | 0.54 | 03/25/11 13:01 | |
| Chloroform | ug/m3 | ND | 0.99 | 03/25/11 13:01 | |
| Chloromethane | ug/m3 | ND | 0.42 | 03/25/11 13:01 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 03/25/11 13:01 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 03/25/11 13:01 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 03/25/11 13:01 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 03/25/11 13:01 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 03/25/11 13:01 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 03/25/11 13:01 | |
| Ethanol | ug/m3 | ND | 1.9 | 03/25/11 13:01 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 03/25/11 13:01 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 03/25/11 13:01 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 03/25/11 13:01 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10152643

METHOD BLANK: 948640 Matrix: Air

Associated Lab Samples: 10152643001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 03/25/11 13:01 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 03/25/11 13:01 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 03/25/11 13:01 | |
| n-Heptane | ug/m3 | ND | 0.83 | 03/25/11 13:01 | |
| n-Hexane | ug/m3 | ND | 0.72 | 03/25/11 13:01 | |
| Naphthalene | ug/m3 | ND | 2.7 | 03/25/11 13:01 | |
| o-Xylene | ug/m3 | ND | 0.88 | 03/25/11 13:01 | |
| Propylene | ug/m3 | ND | 0.35 | 03/25/11 13:01 | |
| Styrene | ug/m3 | ND | 0.87 | 03/25/11 13:01 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 03/25/11 13:01 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 03/25/11 13:01 | |
| Toluene | ug/m3 | ND | 0.77 | 03/25/11 13:01 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 03/25/11 13:01 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 03/25/11 13:01 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 03/25/11 13:01 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 03/25/11 13:01 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 03/25/11 13:01 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 03/25/11 13:01 | |

LABORATORY CONTROL SAMPLE: 948641

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 43.9 | 79 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 57.8 | 83 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 45.8 | 82 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 70.1 | 90 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 35.2 | 86 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 34.6 | 86 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 81.6 | 108 | 30-150 | SS |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 41.8 | 84 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 64.2 | 82 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 53.9 | 88 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 31.7 | 77 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 37.9 | 81 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 42.8 | 86 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 18.0 | 80 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 51.9 | 85 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 51.0 | 83 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 23.9 | 80 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 33.0 | 79 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 21.0 | 89 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 44.4 | 89 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 34.3 | 82 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 20.0 | 83 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 28.7 | 88 | 71-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10152643

LABORATORY CONTROL SAMPLE: 948641

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 40.0 | 76 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 60.1 | 88 | 66-136 | |
| Bromoform | ug/m3 | 105 | 89.2 | 85 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 32.6 | 83 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 27.2 | 86 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 48.7 | 76 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 39.4 | 84 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 21.9 | 82 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 44.1 | 89 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 18.0 | 86 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 33.7 | 84 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 38.7 | 84 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 28.7 | 82 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 72.3 | 83 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 35.7 | 71 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 51.1 | 72 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 15.2 | 79 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 30.0 | 82 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 36.1 | 82 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 139 | 128 | 30-150 | SS |
| m&p-Xylene | ug/m3 | 88.3 | 67.9 | 77 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 31.6 | 86 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 29.0 | 82 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 33.3 | 80 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 28.5 | 79 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 55.5 | 104 | 30-150 | SS |
| o-Xylene | ug/m3 | 44.2 | 37.7 | 85 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 13.9 | 79 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 36.0 | 83 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 58.5 | 85 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 22.8 | 76 | 51-125 | SS |
| Toluene | ug/m3 | 38.3 | 33.9 | 88 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 34.0 | 84 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 38.5 | 83 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 46.5 | 85 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 41.5 | 73 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 29.5 | 82 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 20.9 | 81 | 66-125 | |

SAMPLE DUPLICATE: 949190

| Parameter | Units | 10151763012 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | ND | ND | | 30 | |

Date: 03/31/2011 05:36 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10152643

SAMPLE DUPLICATE: 949190

| Parameter | Units | 10151763012 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,3-Butadiene | ug/m3 | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | ND | ND | | 30 | |
| 2-Hexanone | ug/m3 | ND | ND | | 30 | |
| 2-Propanol | ug/m3 | ND | 6.2 | | 30 | |
| 4-Ethyltoluene | ug/m3 | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | ND | | 30 | |
| Acetone | ug/m3 | 27.0 | 33.7 | 22 | 30 | |
| Benzene | ug/m3 | ND | ND | | 30 | |
| Benzyl chloride | ug/m3 | ND | ND | | 30 | |
| Bromodichloromethane | ug/m3 | ND | ND | | 30 | |
| Bromoform | ug/m3 | ND | ND | | 30 | |
| Bromomethane | ug/m3 | ND | ND | | 30 | |
| Carbon disulfide | ug/m3 | ND | ND | | 30 | |
| Carbon tetrachloride | ug/m3 | ND | ND | | 30 | |
| Chlorobenzene | ug/m3 | ND | ND | | 30 | |
| Chloroethane | ug/m3 | ND | ND | | 30 | |
| Chloroform | ug/m3 | 5.7 | 4.9 | 14 | 30 | |
| Chloromethane | ug/m3 | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Cyclohexane | ug/m3 | 2.1 | 2.2 | 5 | 30 | |
| Dibromochloromethane | ug/m3 | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | ND | 2.6 | | 30 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | ND | | 30 | |
| Ethanol | ug/m3 | 50.4 | 49.2 | 3 | 30 | |
| Ethyl acetate | ug/m3 | ND | ND | | 30 | |
| Ethylbenzene | ug/m3 | 2.8 | 2.5 | 12 | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | ND | | 30 | |
| m&p-Xylene | ug/m3 | 8.3 | 7.5 | 10 | 30 | |
| Methyl-tert-butyl ether | ug/m3 | ND | ND | | 30 | |
| Methylene Chloride | ug/m3 | 418 | 555 | 28 | 30 | E |
| n-Heptane | ug/m3 | ND | ND | | 30 | |
| n-Hexane | ug/m3 | 81.5 | 119 | 38 | 30 | R1 |
| Naphthalene | ug/m3 | ND | ND | | 30 | |
| o-Xylene | ug/m3 | ND | ND | | 30 | |
| Propylene | ug/m3 | ND | ND | | 30 | |
| Styrene | ug/m3 | ND | ND | | 30 | |
| Tetrachloroethene | ug/m3 | ND | ND | | 30 | |

Date: 03/31/2011 05:36 PM

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10152643

SAMPLE DUPLICATE: 949190

| Parameter | Units | 10151763012 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrahydrofuran | ug/m3 | ND | ND | | 30 | |
| Toluene | ug/m3 | 4.7 | 4.7 | .8 | 30 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Trichloroethene | ug/m3 | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/m3 | ND | ND | | 30 | |
| Vinyl acetate | ug/m3 | ND | ND | | 30 | |
| Vinyl chloride | ug/m3 | ND | ND | | 30 | |

QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10152643

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|--|
| A3 | The sample was analyzed by serial dilution. |
| E | Analyte concentration exceeded the calibration range. The reported result is estimated. |
| R1 | RPD value was outside control limits. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester

Pace Project No.: 10152643

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10152643001 | DPE-EXHAUST-1186 | TO-15 | AIR/11978 | | |



AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10152643

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 _____

Optional
Print Date
Print Name

Tracking #: _____

Comments: _____

Date and Initials of person examining contents: 3/24/11 AK

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

Samples Received: 2 CANS, 2 FC'S

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|--------------------|-------------|------------------|---------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>PPE-Exhaust</u> | <u>1186</u> | | <u>FC015</u> | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | <u>0708</u> | | <u>FC0067</u> | | | | |
| | | | | | | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: AK Date: 3/24/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)
A106 Rev.01 (22May2009)

March 08, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10150765

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2011. 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,



Cory C Lund for
Carolynne Trout
carolynne.trout@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10150765

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

A2LA cert#

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10150765

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10150765001 | DPE-EXHAUST-0798 | Air | 02/28/11 17:10 | 03/02/11 10:16 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester

Pace Project No.: 10150765

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10150765001 | DPE-EXHAUST-0798 | TO-15 | CJR | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150765

| Sample: DPE-EXHAUST-0798 | | Lab ID: 10150765001 | Collected: 02/28/11 17:10 | Received: 03/02/11 10:16 | Matrix: Air | | | | |
|-----------------------------|-------------|--------------------------|---------------------------|--------------------------|-------------|----------------|------------|------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | | |
| Acetone | ND | ug/m3 | 61.1 | 127.2 | | 03/07/11 23:49 | 67-64-1 | | |
| Benzene | ND | ug/m3 | 41.3 | 127.2 | | 03/07/11 23:49 | 71-43-2 | | |
| Benzyl chloride | ND | ug/m3 | 134 | 127.2 | | 03/07/11 23:49 | 100-44-7 | | |
| Bromodichloromethane | ND | ug/m3 | 178 | 127.2 | | 03/07/11 23:49 | 75-27-4 | | |
| Bromoform | ND | ug/m3 | 267 | 127.2 | | 03/07/11 23:49 | 75-25-2 | | |
| Bromomethane | ND | ug/m3 | 100 | 127.2 | | 03/07/11 23:49 | 74-83-9 | | |
| 1,3-Butadiene | ND | ug/m3 | 57.2 | 127.2 | | 03/07/11 23:49 | 106-99-0 | | |
| 2-Butanone (MEK) | ND | ug/m3 | 76.3 | 127.2 | | 03/07/11 23:49 | 78-93-3 | | |
| Carbon disulfide | ND | ug/m3 | 80.1 | 127.2 | | 03/07/11 23:49 | 75-15-0 | | |
| Carbon tetrachloride | ND | ug/m3 | 81.4 | 127.2 | | 03/07/11 23:49 | 56-23-5 | | |
| Chlorobenzene | ND | ug/m3 | 120 | 127.2 | | 03/07/11 23:49 | 108-90-7 | | |
| Chloroethane | ND | ug/m3 | 68.7 | 127.2 | | 03/07/11 23:49 | 75-00-3 | | |
| Chloroform | ND | ug/m3 | 126 | 127.2 | | 03/07/11 23:49 | 67-66-3 | | |
| Chloromethane | ND | ug/m3 | 53.4 | 127.2 | | 03/07/11 23:49 | 74-87-3 | | |
| Cyclohexane | ND | ug/m3 | 86.5 | 127.2 | | 03/07/11 23:49 | 110-82-7 | | |
| Dibromochloromethane | ND | ug/m3 | 216 | 127.2 | | 03/07/11 23:49 | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 204 | 127.2 | | 03/07/11 23:49 | 106-93-4 | | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 153 | 127.2 | | 03/07/11 23:49 | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 153 | 127.2 | | 03/07/11 23:49 | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 153 | 127.2 | | 03/07/11 23:49 | 106-46-7 | | |
| Dichlorodifluoromethane | ND | ug/m3 | 127 | 127.2 | | 03/07/11 23:49 | 75-71-8 | | |
| 1,1-Dichloroethane | ND | ug/m3 | 104 | 127.2 | | 03/07/11 23:49 | 75-34-3 | | |
| 1,2-Dichloroethane | ND | ug/m3 | 52.2 | 127.2 | | 03/07/11 23:49 | 107-06-2 | | |
| 1,1-Dichloroethene | ND | ug/m3 | 103 | 127.2 | | 03/07/11 23:49 | 75-35-4 | | |
| cis-1,2-Dichloroethene | ND | ug/m3 | 103 | 127.2 | | 03/07/11 23:49 | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 103 | 127.2 | | 03/07/11 23:49 | 156-60-5 | | |
| 1,2-Dichloropropane | ND | ug/m3 | 120 | 127.2 | | 03/07/11 23:49 | 78-87-5 | | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 117 | 127.2 | | 03/07/11 23:49 | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 117 | 127.2 | | 03/07/11 23:49 | 10061-02-6 | | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 178 | 127.2 | | 03/07/11 23:49 | 76-14-2 | | |
| Ethanol | ND | ug/m3 | 242 | 127.2 | | 03/07/11 23:49 | 64-17-5 | SS | |
| Ethyl acetate | ND | ug/m3 | 92.9 | 127.2 | | 03/07/11 23:49 | 141-78-6 | | |
| Ethylbenzene | ND | ug/m3 | 112 | 127.2 | | 03/07/11 23:49 | 100-41-4 | | |
| 4-Ethyltoluene | ND | ug/m3 | 318 | 127.2 | | 03/07/11 23:49 | 622-96-8 | | |
| n-Heptane | ND | ug/m3 | 106 | 127.2 | | 03/07/11 23:49 | 142-82-5 | | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 280 | 127.2 | | 03/07/11 23:49 | 87-68-3 | | |
| n-Hexane | ND | ug/m3 | 91.6 | 127.2 | | 03/07/11 23:49 | 110-54-3 | | |
| 2-Hexanone | ND | ug/m3 | 106 | 127.2 | | 03/07/11 23:49 | 591-78-6 | | |
| Methylene Chloride | ND | ug/m3 | 90.3 | 127.2 | | 03/07/11 23:49 | 75-09-2 | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 106 | 127.2 | | 03/07/11 23:49 | 108-10-1 | | |
| Methyl-tert-butyl ether | ND | ug/m3 | 92.9 | 127.2 | | 03/07/11 23:49 | 1634-04-4 | | |
| Naphthalene | ND | ug/m3 | 343 | 127.2 | | 03/07/11 23:49 | 91-20-3 | | |
| 2-Propanol | ND | ug/m3 | 318 | 127.2 | | 03/07/11 23:49 | 67-63-0 | | |
| Propylene | ND | ug/m3 | 44.5 | 127.2 | | 03/07/11 23:49 | 115-07-1 | | |
| Styrene | ND | ug/m3 | 111 | 127.2 | | 03/07/11 23:49 | 100-42-5 | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 88.8 | 127.2 | | 03/07/11 23:49 | 79-34-5 | | |
| Tetrachloroethene | 4590 | ug/m3 | 87.6 | 127.2 | | 03/07/11 23:49 | 127-18-4 | | |

Date: 03/08/2011 07:00 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150765

| Sample: DPE-EXHAUST-0798 | | Lab ID: 10150765001 | Collected: 02/28/11 17:10 | Received: 03/02/11 10:16 | Matrix: Air | | | |
|---------------------------------|--------------|----------------------------|---------------------------|--------------------------|-------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | ND | ug/m3 | 76.3 | 127.2 | | 03/07/11 23:49 | 109-99-9 | |
| Toluene | ND | ug/m3 | 97.9 | 127.2 | | 03/07/11 23:49 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 126 | 127.2 | | 03/07/11 23:49 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/m3 | 140 | 127.2 | | 03/07/11 23:49 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 70.0 | 127.2 | | 03/07/11 23:49 | 79-00-5 | |
| Trichloroethene | ND | ug/m3 | 70.0 | 127.2 | | 03/07/11 23:49 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 140 | 127.2 | | 03/07/11 23:49 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 17100 | ug/m3 | 204 | 127.2 | | 03/07/11 23:49 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 127 | 127.2 | | 03/07/11 23:49 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 127 | 127.2 | | 03/07/11 23:49 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 90.3 | 127.2 | | 03/07/11 23:49 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 33.1 | 127.2 | | 03/07/11 23:49 | 75-01-4 | |
| m&p-Xylene | ND | ug/m3 | 224 | 127.2 | | 03/07/11 23:49 | 179601-23-1 | |
| o-Xylene | ND | ug/m3 | 112 | 127.2 | | 03/07/11 23:49 | 95-47-6 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150765

QC Batch: AIR/11837 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10150765001

METHOD BLANK: 939665 Matrix: Air
Associated Lab Samples: 10150765001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 03/07/11 10:13 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 0.70 | 03/07/11 10:13 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 0.55 | 03/07/11 10:13 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 03/07/11 10:13 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 03/07/11 10:13 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 03/07/11 10:13 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 03/07/11 10:13 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 1.0 | 03/07/11 10:13 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 03/07/11 10:13 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/07/11 10:13 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.41 | 03/07/11 10:13 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 03/07/11 10:13 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 1.0 | 03/07/11 10:13 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 03/07/11 10:13 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/07/11 10:13 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 03/07/11 10:13 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 03/07/11 10:13 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 03/07/11 10:13 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 03/07/11 10:13 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 03/07/11 10:13 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 03/07/11 10:13 | |
| Acetone | ug/m3 | ND | 0.48 | 03/07/11 10:13 | |
| Benzene | ug/m3 | ND | 0.32 | 03/07/11 10:13 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 03/07/11 10:13 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 03/07/11 10:13 | |
| Bromoform | ug/m3 | ND | 2.1 | 03/07/11 10:13 | |
| Bromomethane | ug/m3 | ND | 0.79 | 03/07/11 10:13 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 03/07/11 10:13 | |
| Carbon tetrachloride | ug/m3 | ND | 0.64 | 03/07/11 10:13 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 03/07/11 10:13 | |
| Chloroethane | ug/m3 | ND | 0.54 | 03/07/11 10:13 | |
| Chloroform | ug/m3 | ND | 0.99 | 03/07/11 10:13 | |
| Chloromethane | ug/m3 | ND | 0.42 | 03/07/11 10:13 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 03/07/11 10:13 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 03/07/11 10:13 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 03/07/11 10:13 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 03/07/11 10:13 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 03/07/11 10:13 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 03/07/11 10:13 | |
| Ethanol | ug/m3 | ND | 1.9 | 03/07/11 10:13 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 03/07/11 10:13 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 03/07/11 10:13 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 03/07/11 10:13 | |

Date: 03/08/2011 07:00 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150765

METHOD BLANK: 939665 Matrix: Air

Associated Lab Samples: 10150765001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 03/07/11 10:13 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 03/07/11 10:13 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 03/07/11 10:13 | |
| n-Heptane | ug/m3 | ND | 0.83 | 03/07/11 10:13 | |
| n-Hexane | ug/m3 | ND | 0.72 | 03/07/11 10:13 | |
| Naphthalene | ug/m3 | ND | 2.7 | 03/07/11 10:13 | |
| o-Xylene | ug/m3 | ND | 0.88 | 03/07/11 10:13 | |
| Propylene | ug/m3 | ND | 0.35 | 03/07/11 10:13 | |
| Styrene | ug/m3 | ND | 0.87 | 03/07/11 10:13 | |
| Tetrachloroethene | ug/m3 | ND | 0.69 | 03/07/11 10:13 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 03/07/11 10:13 | |
| Toluene | ug/m3 | ND | 0.77 | 03/07/11 10:13 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 03/07/11 10:13 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 03/07/11 10:13 | |
| Trichloroethene | ug/m3 | ND | 0.55 | 03/07/11 10:13 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 03/07/11 10:13 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 03/07/11 10:13 | |
| Vinyl chloride | ug/m3 | ND | 0.26 | 03/07/11 10:13 | |

LABORATORY CONTROL SAMPLE: 939666

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 52.1 | 94 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 61.9 | 89 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 49.3 | 89 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 69.8 | 90 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 35.6 | 86 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 35.2 | 87 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 98.9 | 131 | 30-150 | CH |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 40.2 | 80 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 74.2 | 95 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 52.6 | 86 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 38.0 | 92 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 41.1 | 87 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 43.7 | 87 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 19.3 | 86 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 58.7 | 96 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 55.7 | 91 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 25.4 | 85 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 30.7 | 74 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 19.8 | 83 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 44.3 | 89 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 31.3 | 75 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 18.9 | 78 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 28.1 | 87 | 71-125 | |

Date: 03/08/2011 07:00 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150765

LABORATORY CONTROL SAMPLE: 939666

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 46.9 | 89 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 65.4 | 96 | 66-136 | |
| Bromoform | ug/m3 | 105 | 99.6 | 95 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 35.6 | 90 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 27.5 | 87 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 62.4 | 97 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 41.5 | 89 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 22.8 | 85 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 44.4 | 89 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 18.0 | 86 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 35.6 | 88 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 44.3 | 96 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 29.9 | 85 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 79.8 | 92 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 53.2 | 106 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 64.9 | 91 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 13.8 | 72 | 30-150 | SS |
| Ethyl acetate | ug/m3 | 36.6 | 30.1 | 82 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 40.1 | 91 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 163 | 150 | 30-150 | CH |
| m&p-Xylene | ug/m3 | 88.3 | 80.3 | 91 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 32.5 | 89 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 29.6 | 84 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 34.4 | 82 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 30.7 | 86 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 65.0 | 122 | 30-150 | |
| o-Xylene | ug/m3 | 44.2 | 39.8 | 90 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 16.7 | 95 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 38.8 | 89 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 61.4 | 89 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 24.2 | 81 | 51-125 | SS |
| Toluene | ug/m3 | 38.3 | 34.0 | 89 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 35.5 | 88 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 42.0 | 91 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 48.6 | 89 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 52.5 | 92 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 31.5 | 88 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 25.7 | 99 | 66-125 | |

QUALIFIERS

Project: CRC City of Rochester

Pace Project No.: 10150765

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

SAMPLE QUALIFIERS

Sample: 10150765001

[1] This result is reported from a serial dilution

ANALYTE QUALIFIERS

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester

Pace Project No.: 10150765

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10150765001 | DPE-EXHAUST-0798 | TO-15 | AIR/11837 | | |



AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10150765

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: 3-2-11 AF

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

Samples Received: 2 CAN'S, 2 FC'S

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|--------------------|-------------|------------------|---------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>DPE-EXHAUST</u> | <u>0798</u> | | <u>FC0395</u> | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | <u>0204</u> | | <u>FC0046</u> | | | | |
| | | | | | | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CDM

Date: 3/2/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e out of hold, incorrect preservative, out of temp, incorrect containers)
A106 Rev.01 (22May2009)

March 09, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10150806

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2011. 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

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10150806

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10150806

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 10150806001 | MW-17 | Water | 03/01/11 09:30 | 03/02/11 10:16 |
| 10150806002 | MW-18 | Water | 03/01/11 09:00 | 03/02/11 10:16 |
| 10150806003 | DPE-1 | Water | 03/01/11 06:00 | 03/02/11 10:16 |
| 10150806004 | DPE-2 | Water | 03/01/11 06:10 | 03/02/11 10:16 |
| 10150806005 | DPE-3 | Water | 03/01/11 06:20 | 03/02/11 10:16 |
| 10150806006 | DPE-4 | Water | 03/01/11 06:30 | 03/02/11 10:16 |
| 10150806007 | DPE-5 | Water | 03/01/11 06:40 | 03/02/11 10:16 |
| 10150806008 | DPE-6 | Water | 03/01/11 06:50 | 03/02/11 10:16 |
| 10150806009 | DPE-7 | Water | 03/01/11 07:00 | 03/02/11 10:16 |
| 10150806010 | DPE-8 | Water | 03/01/11 07:10 | 03/02/11 10:16 |
| 10150806011 | MW-15 | Water | 03/01/11 08:30 | 03/02/11 10:16 |
| 10150806012 | MW-16 | Water | 03/01/11 10:30 | 03/02/11 10:16 |
| 10150806013 | MW-19 | Water | 03/01/11 07:30 | 03/02/11 10:16 |
| 10150806014 | MW-20 | Water | 03/01/11 10:00 | 03/02/11 10:16 |
| 10150806015 | MW-14 | Water | 03/01/11 08:00 | 03/02/11 10:16 |
| 10150806016 | TRIP BLANK | Water | | 03/02/11 10:16 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester

Pace Project No.: 10150806

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------|----------|----------|-------------------|
| 10150806001 | MW-17 | EPA 8260 | ECB | 73 |
| 10150806002 | MW-18 | EPA 8260 | ECB | 73 |
| 10150806003 | DPE-1 | EPA 8260 | ECB | 73 |
| 10150806004 | DPE-2 | EPA 8260 | ECB | 73 |
| 10150806005 | DPE-3 | EPA 8260 | ECB | 73 |
| 10150806006 | DPE-4 | EPA 8260 | ECB | 73 |
| 10150806007 | DPE-5 | EPA 8260 | ECB | 73 |
| 10150806008 | DPE-6 | EPA 8260 | ECB | 73 |
| 10150806009 | DPE-7 | EPA 8260 | ECB | 73 |
| 10150806010 | DPE-8 | EPA 8260 | ECB | 73 |
| 10150806011 | MW-15 | EPA 8260 | ECB | 73 |
| 10150806012 | MW-16 | EPA 8260 | ECB | 73 |
| 10150806013 | MW-19 | EPA 8260 | ECB | 73 |
| 10150806014 | MW-20 | EPA 8260 | ECB | 73 |
| 10150806015 | MW-14 | EPA 8260 | ECB | 73 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-17 | Lab ID: 10150806001 | Collected: 03/01/11 09:30 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 15:37 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 03/04/11 15:37 | 75-25-2 | |
| Bromomethane | ND | ug/L | 10.0 | 1 | | 03/04/11 15:37 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-00-3 | |
| Chloroform | 1.4 | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-35-4 | |
| cis-1,2-Dichloroethene | 1.8 | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 99-87-6 | |
| Methylene Chloride | 6.1 | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-17 | | Lab ID: 10150806001 | Collected: 03/01/11 09:30 | Received: 03/02/11 10:16 | 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 | | 03/04/11 15:37 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 79-34-5 | |
| Tetrachloroethene | 145 | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 15:37 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:37 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 21.6 | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 15:37 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 15:37 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 15:37 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:37 | 95-47-6 | |
| Dibromofluoromethane (S) | 102 | % | 75-130 | 1 | | 03/04/11 15:37 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 105 | % | 75-131 | 1 | | 03/04/11 15:37 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 1 | | 03/04/11 15:37 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 75-125 | 1 | | 03/04/11 15:37 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-18 | Lab ID: 10150806002 | Collected: 03/01/11 09:00 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 03:02 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 03:02 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 99-87-6 | |
| Methylene Chloride | 7.2 ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:02 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 03:02 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: MW-18 **Lab ID: 10150806002** Collected: 03/01/11 09:00 Received: 03/02/11 10:16 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 | | 03/04/11 03:02 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 79-34-5 | |
| Tetrachloroethene | 4.8 | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 03:02 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:02 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 03:02 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 03:02 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 03:02 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:02 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 | % | 75-130 | 1 | | 03/04/11 03:02 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 75-131 | 1 | | 03/04/11 03:02 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 1 | | 03/04/11 03:02 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | % | 75-125 | 1 | | 03/04/11 03:02 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-1 | Lab ID: 10150806003 | Collected: 03/01/11 06:00 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 15:59 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 15:59 | 75-25-2 | |
| Bromomethane | ND ug/L | | 10.0 | 1 | | 03/04/11 15:59 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 15:59 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 15:59 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: DPE-1 **Lab ID: 10150806003** Collected: 03/01/11 06:00 Received: 03/02/11 10:16 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 | | 03/04/11 15:59 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 79-34-5 | |
| Tetrachloroethene | 101 | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 15:59 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 15:59 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 3.2 | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 15:59 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 15:59 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 15:59 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 15:59 | 95-47-6 | |
| Dibromofluoromethane (S) | 100 | % | 75-130 | 1 | | 03/04/11 15:59 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 106 | % | 75-131 | 1 | | 03/04/11 15:59 | 17060-07-0 | |
| Toluene-d8 (S) | 100 | % | 75-125 | 1 | | 03/04/11 15:59 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 75-125 | 1 | | 03/04/11 15:59 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-2 | | Lab ID: 10150806004 | Collected: 03/01/11 06:10 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 625 | 25 | | 03/09/11 13:03 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 107-05-1 | |
| Benzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-27-4 | |
| Bromoform | ND | ug/L | 200 | 25 | | 03/09/11 13:03 | 75-25-2 | |
| Bromomethane | ND | ug/L | 250 | 25 | | 03/09/11 13:03 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 108-90-7 | |
| Chloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-00-3 | |
| Chloroform | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 67-66-3 | |
| Chloromethane | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: DPE-2 **Lab ID: 10150806004** Collected: 03/01/11 06:10 Received: 03/02/11 10:16 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-------------|-----------------------------|--------------|----|----------|----------------|-------------|------|
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 103-65-1 | |
| Styrene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 79-34-5 | |
| Tetrachloroethene | 2990 | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 127-18-4 | M1 |
| Tetrahydrofuran | ND | ug/L | 250 | 25 | | 03/09/11 13:03 | 109-99-9 | |
| Toluene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 100 | 25 | | 03/09/11 13:03 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 10.0 | 25 | | 03/09/11 13:03 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 75.0 | 25 | | 03/09/11 13:03 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 50.0 | 25 | | 03/09/11 13:03 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 25.0 | 25 | | 03/09/11 13:03 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 | % | 75-130 | 25 | | 03/09/11 13:03 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 75-131 | 25 | | 03/09/11 13:03 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | % | 75-125 | 25 | | 03/09/11 13:03 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 75-125 | 25 | | 03/09/11 13:03 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-3 | | Lab ID: 10150806005 | Collected: 03/01/11 06:20 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 250 | 10 | | 03/04/11 06:20 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 107-05-1 | |
| Benzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-27-4 | |
| Bromoform | ND | ug/L | 80.0 | 10 | | 03/04/11 06:20 | 75-25-2 | |
| Bromomethane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-00-3 | |
| Chloroform | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 67-66-3 | |
| Chloromethane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-35-4 | |
| cis-1,2-Dichloroethene | 19.6 | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-3 | | Lab ID: 10150806005 | Collected: 03/01/11 06:20 | Received: 03/02/11 10:16 | 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 | | 03/04/11 06:20 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 103-65-1 | |
| Styrene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 79-34-5 | |
| Tetrachloroethene | 12700 | ug/L | 100 | 100 | | 03/04/11 14:32 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 100 | 10 | | 03/04/11 06:20 | 109-99-9 | |
| Toluene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 79-00-5 | |
| Trichloroethene | 12.3 | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 06:20 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 1030 | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 4.0 | 10 | | 03/04/11 06:20 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 30.0 | 10 | | 03/04/11 06:20 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 20.0 | 10 | | 03/04/11 06:20 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 10.0 | 10 | | 03/04/11 06:20 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 10 | | 03/04/11 06:20 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 75-131 | 10 | | 03/04/11 06:20 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 10 | | 03/04/11 06:20 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 10 | | 03/04/11 06:20 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-4 | | Lab ID: 10150806006 | Collected: 03/01/11 06:30 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 250 | 10 | | 03/04/11 17:46 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 107-05-1 | |
| Benzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-27-4 | |
| Bromoform | ND | ug/L | 80.0 | 10 | | 03/04/11 17:46 | 75-25-2 | |
| Bromomethane | ND | ug/L | 100 | 10 | | 03/04/11 17:46 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-00-3 | |
| Chloroform | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 67-66-3 | |
| Chloromethane | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: DPE-4 **Lab ID: 10150806006** Collected: 03/01/11 06:30 Received: 03/02/11 10:16 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 | | 03/04/11 17:46 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 103-65-1 | |
| Styrene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 79-34-5 | |
| Tetrachloroethene | 1160 | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 100 | 10 | | 03/04/11 17:46 | 109-99-9 | |
| Toluene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 40.0 | 10 | | 03/04/11 17:46 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 127 | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 4.0 | 10 | | 03/04/11 17:46 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 30.0 | 10 | | 03/04/11 17:46 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 20.0 | 10 | | 03/04/11 17:46 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 10.0 | 10 | | 03/04/11 17:46 | 95-47-6 | |
| Dibromofluoromethane (S) | 101 | % | 75-130 | 10 | | 03/04/11 17:46 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 106 | % | 75-131 | 10 | | 03/04/11 17:46 | 17060-07-0 | |
| Toluene-d8 (S) | 99 | % | 75-125 | 10 | | 03/04/11 17:46 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 75-125 | 10 | | 03/04/11 17:46 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-5 | | Lab ID: 10150806007 | Collected: 03/01/11 06:40 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 03:51 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 03/04/11 03:51 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-35-4 | |
| cis-1,2-Dichloroethene | 1.3 | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 99-87-6 | |
| Methylene Chloride | 6.2 | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: DPE-5 **Lab ID: 10150806007** Collected: 03/01/11 06:40 Received: 03/02/11 10:16 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 | | 03/04/11 03:51 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 79-34-5 | |
| Tetrachloroethene | 339 | ug/L | 2.0 | 2 | | 03/04/11 14:10 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 03:51 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 03:51 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 13.9 | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 03:51 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 03:51 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 03:51 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 03:51 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 | % | 75-130 | 1 | | 03/04/11 03:51 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 75-131 | 1 | | 03/04/11 03:51 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | % | 75-125 | 1 | | 03/04/11 03:51 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 03/04/11 03:51 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-6 | | Lab ID: 10150806008 | Collected: 03/01/11 06:50 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 04:08 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 03/04/11 04:08 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-00-3 | |
| Chloroform | 1.1 | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 99-87-6 | |
| Methylene Chloride | 7.3 | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-6 | | Lab ID: 10150806008 | Collected: 03/01/11 06:50 | Received: 03/02/11 10:16 | 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 | | 03/04/11 04:08 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 79-34-5 | |
| Tetrachloroethene | 3.9 | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 04:08 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:08 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 04:08 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 04:08 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 04:08 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:08 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 | % | 75-130 | 1 | | 03/04/11 04:08 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 111 | % | 75-131 | 1 | | 03/04/11 04:08 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 1 | | 03/04/11 04:08 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 03/04/11 04:08 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-7 | Lab ID: 10150806009 | Collected: 03/01/11 07:00 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 04:25 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 03/04/11 04:25 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-00-3 | |
| Chloroform | 2.3 | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 99-87-6 | |
| Methylene Chloride | 6.6 | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-7 | | Lab ID: 10150806009 | Collected: 03/01/11 07:00 | Received: 03/02/11 10:16 | 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 | | 03/04/11 04:25 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 79-34-5 | |
| Tetrachloroethene | 7.1 | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 04:25 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:25 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 04:25 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 04:25 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 04:25 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:25 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 1 | | 03/04/11 04:25 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 75-131 | 1 | | 03/04/11 04:25 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | % | 75-125 | 1 | | 03/04/11 04:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 106 | % | 75-125 | 1 | | 03/04/11 04:25 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: DPE-8 | Lab ID: 10150806010 | Collected: 03/01/11 07:10 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 50.0 | 2 | | 03/04/11 05:47 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 107-05-1 | |
| Benzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-27-4 | |
| Bromoform | ND ug/L | | 16.0 | 2 | | 03/04/11 05:47 | 75-25-2 | |
| Bromomethane | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 108-90-7 | |
| Chloroethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-00-3 | |
| Chloroform | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 67-66-3 | |
| Chloromethane | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 8.0 | 2 | | 03/04/11 05:47 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 2.0 | 2 | | 03/04/11 05:47 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: DPE-8 **Lab ID: 10150806010** Collected: 03/01/11 07:10 Received: 03/02/11 10:16 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 | | 03/04/11 05:47 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 103-65-1 | |
| Styrene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 79-34-5 | |
| Tetrachloroethene | 415 | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 20.0 | 2 | | 03/04/11 05:47 | 109-99-9 | |
| Toluene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 8.0 | 2 | | 03/04/11 05:47 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 48.7 | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.80 | 2 | | 03/04/11 05:47 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 6.0 | 2 | | 03/04/11 05:47 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 4.0 | 2 | | 03/04/11 05:47 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 2.0 | 2 | | 03/04/11 05:47 | 95-47-6 | |
| Dibromofluoromethane (S) | 106 | % | 75-130 | 2 | | 03/04/11 05:47 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 75-131 | 2 | | 03/04/11 05:47 | 17060-07-0 | |
| Toluene-d8 (S) | 103 | % | 75-125 | 2 | | 03/04/11 05:47 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 106 | % | 75-125 | 2 | | 03/04/11 05:47 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-15 | Lab ID: 10150806011 | Collected: 03/01/11 08:30 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 04:41 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 04:41 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-00-3 | |
| Chloroform | 1.2 ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 99-87-6 | |
| Methylene Chloride | 6.4 ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:41 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 04:41 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: MW-15 **Lab ID: 10150806011** Collected: 03/01/11 08:30 Received: 03/02/11 10:16 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 | | 03/04/11 04:41 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 04:41 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:41 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 04:41 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 04:41 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 04:41 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:41 | 95-47-6 | |
| Dibromofluoromethane (S) | 106 | % | 75-130 | 1 | | 03/04/11 04:41 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 75-131 | 1 | | 03/04/11 04:41 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 1 | | 03/04/11 04:41 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | % | 75-125 | 1 | | 03/04/11 04:41 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-16 | Lab ID: 10150806012 | Collected: 03/01/11 10:30 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 50.0 | 2 | | 03/04/11 17:25 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 107-05-1 | |
| Benzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-27-4 | |
| Bromoform | ND | ug/L | 16.0 | 2 | | 03/04/11 17:25 | 75-25-2 | |
| Bromomethane | ND | ug/L | 20.0 | 2 | | 03/04/11 17:25 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 108-90-7 | |
| Chloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-00-3 | |
| Chloroform | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 67-66-3 | |
| Chloromethane | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-35-4 | |
| cis-1,2-Dichloroethene | 2.6 | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: MW-16 **Lab ID: 10150806012** Collected: 03/01/11 10:30 Received: 03/02/11 10:16 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 | | 03/04/11 17:25 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 103-65-1 | |
| Styrene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 79-34-5 | |
| Tetrachloroethene | 322 | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 20.0 | 2 | | 03/04/11 17:25 | 109-99-9 | |
| Toluene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 8.0 | 2 | | 03/04/11 17:25 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 23.0 | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.80 | 2 | | 03/04/11 17:25 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 6.0 | 2 | | 03/04/11 17:25 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 4.0 | 2 | | 03/04/11 17:25 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 2.0 | 2 | | 03/04/11 17:25 | 95-47-6 | |
| Dibromofluoromethane (S) | 100 | % | 75-130 | 2 | | 03/04/11 17:25 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 75-131 | 2 | | 03/04/11 17:25 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 2 | | 03/04/11 17:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 75-125 | 2 | | 03/04/11 17:25 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-19 | Lab ID: 10150806013 | Collected: 03/01/11 07:30 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 03:19 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 03:19 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 99-87-6 | |
| Methylene Chloride | 5.2 ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-19 | Lab ID: 10150806013 | Collected: 03/01/11 07:30 | Received: 03/02/11 10:16 | 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 | | 03/04/11 03:19 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 79-34-5 | |
| Tetrachloroethene | 4.8 ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 03/04/11 03:19 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 03:19 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 108-67-8 | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 03/04/11 03:19 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 03/04/11 03:19 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 03/04/11 03:19 | 179601-23-1 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 03/04/11 03:19 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 % | | 75-130 | 1 | | 03/04/11 03:19 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 111 % | | 75-131 | 1 | | 03/04/11 03:19 | 17060-07-0 | |
| Toluene-d8 (S) | 104 % | | 75-125 | 1 | | 03/04/11 03:19 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 % | | 75-125 | 1 | | 03/04/11 03:19 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-20 | Lab ID: 10150806014 | Collected: 03/01/11 10:00 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 04:58 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 04:58 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 99-87-6 | |
| Methylene Chloride | 5.2 ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 04:58 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 04:58 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-20 | Lab ID: 10150806014 | Collected: 03/01/11 10:00 | Received: 03/02/11 10:16 | 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 | | 03/04/11 04:58 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 79-34-5 | |
| Tetrachloroethene | 211 | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 04:58 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 04:58 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 8.6 | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 04:58 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 04:58 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 04:58 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 04:58 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 | % | 75-130 | 1 | | 03/04/11 04:58 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 75-131 | 1 | | 03/04/11 04:58 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 1 | | 03/04/11 04:58 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 03/04/11 04:58 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

| Sample: MW-14 | Lab ID: 10150806015 | Collected: 03/01/11 08:00 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 03/04/11 05:14 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 05:14 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-00-3 | |
| Chloroform | 2.3 ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 99-87-6 | |
| Methylene Chloride | 7.2 ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 05:14 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 05:14 | 1634-04-4 | |

Date: 03/09/2011 05:03 PM

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150806

Sample: MW-14 **Lab ID: 10150806015** Collected: 03/01/11 08:00 Received: 03/02/11 10:16 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 | | 03/04/11 05:14 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 79-34-5 | |
| Tetrachloroethene | 4.8 | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 05:14 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 05:14 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 05:14 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 05:14 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 05:14 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 05:14 | 95-47-6 | |
| Dibromofluoromethane (S) | 108 | % | 75-130 | 1 | | 03/04/11 05:14 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 75-131 | 1 | | 03/04/11 05:14 | 17060-07-0 | |
| Toluene-d8 (S) | 104 | % | 75-125 | 1 | | 03/04/11 05:14 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 03/04/11 05:14 | 460-00-4 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

QC Batch: MSV/16436 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10150806002, 10150806005, 10150806007, 10150806008, 10150806009, 10150806010, 10150806011, 10150806013, 10150806014, 10150806015

METHOD BLANK: 938161 Matrix: Water
Associated Lab Samples: 10150806002, 10150806005, 10150806007, 10150806008, 10150806009, 10150806010, 10150806011, 10150806013, 10150806014, 10150806015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,3-Trichloropropane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Acetone | ug/L | ND | 25.0 | 03/04/11 00:50 | |
| Allyl chloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Benzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromochloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromoform | ug/L | ND | 8.0 | 03/04/11 00:50 | |
| Bromomethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Chlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Chloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Chloroform | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Chloromethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 00:50 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

METHOD BLANK: 938161

Matrix: Water

Associated Lab Samples: 10150806002, 10150806005, 10150806007, 10150806008, 10150806009, 10150806010, 10150806011, 10150806013, 10150806014, 10150806015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dibromochloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Dibromomethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Ethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| m&p-Xylene | ug/L | ND | 2.0 | 03/04/11 00:50 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Methylene Chloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Naphthalene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| o-Xylene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Styrene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 03/04/11 00:50 | |
| Toluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Trichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Vinyl chloride | ug/L | ND | 0.40 | 03/04/11 00:50 | |
| Xylene (Total) | ug/L | ND | 3.0 | 03/04/11 00:50 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 75-131 | 03/04/11 00:50 | |
| 4-Bromofluorobenzene (S) | % | 104 | 75-125 | 03/04/11 00:50 | |
| Dibromofluoromethane (S) | % | 104 | 75-130 | 03/04/11 00:50 | |
| Toluene-d8 (S) | % | 103 | 75-125 | 03/04/11 00:50 | |

LABORATORY CONTROL SAMPLE: 938162

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 51.9 | 104 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 53.9 | 108 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 49.7 | 99 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 52.2 | 104 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 53.5 | 107 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 53.9 | 108 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 53.3 | 107 | 69-125 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 938162

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,3-Trichlorobenzene | ug/L | 50 | 45.9 | 92 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 50.5 | 101 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 46.9 | 94 | 75-125 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 53.2 | 106 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 48.3 | 97 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 49.9 | 100 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 49.4 | 99 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 53.1 | 106 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.4 | 105 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 52.9 | 106 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 50.6 | 101 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 49.7 | 99 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 43.3 | 87 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 53.4 | 107 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 53.2 | 106 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 50.9 | 102 | 65-132 | |
| Acetone | ug/L | 125 | 105 | 84 | 36-126 | |
| Allyl chloride | ug/L | 50 | 52.9 | 106 | 64-137 | |
| Benzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Bromobenzene | ug/L | 50 | 50.3 | 101 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 53.3 | 107 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 51.7 | 103 | 75-125 | |
| Bromoform | ug/L | 50 | 48.4 | 97 | 72-131 | |
| Bromomethane | ug/L | 50 | 41.9 | 84 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 54.7 | 109 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| Chloroethane | ug/L | 50 | 57.9 | 116 | 56-137 | |
| Chloroform | ug/L | 50 | 53.7 | 107 | 75-125 | |
| Chloromethane | ug/L | 50 | 45.8 | 92 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 51.9 | 104 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 50.8 | 102 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 50.0 | 100 | 75-125 | |
| Dibromomethane | ug/L | 50 | 49.8 | 100 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 50.9 | 102 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 55.3 | 111 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 51.8 | 104 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 52.5 | 105 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 19.3 | 77 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 52.7 | 105 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 103 | 103 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 50.8 | 102 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 47.4 | 95 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 53.6 | 107 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 54.4 | 109 | 75-125 | |
| Naphthalene | ug/L | 50 | 46.7 | 93 | 69-130 | |
| o-Xylene | ug/L | 50 | 50.6 | 101 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 938162

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| p-Isopropyltoluene | ug/L | 50 | 53.4 | 107 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 53.8 | 108 | 75-125 | |
| Styrene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 52.9 | 106 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 49.2 | 98 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 466 | 93 | 64-135 | |
| Toluene | ug/L | 50 | 50.6 | 101 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 52.0 | 104 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 51.3 | 103 | 75-125 | |
| Trichloroethene | ug/L | 50 | 50.5 | 101 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 56.4 | 113 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 54.7 | 109 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 154 | 103 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 106 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 103 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 102 | 75-130 | |
| Toluene-d8 (S) | % | | | 102 | 75-125 | |

MATRIX SPIKE SAMPLE: 939832

| Parameter | Units | 10150806002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 51.4 | 103 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 54.7 | 109 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 50.3 | 101 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 49.1 | 98 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 60.1 | 120 | 47-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 53.5 | 107 | 71-131 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 56.7 | 113 | 66-145 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 55.5 | 111 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 45.8 | 92 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 50.2 | 100 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 46.8 | 94 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 52.9 | 106 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 48.8 | 98 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 48.4 | 97 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 49.1 | 98 | 72-131 | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 53.1 | 106 | 62-148 | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 52.5 | 105 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 53.3 | 107 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 50.5 | 101 | 73-130 | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 49.7 | 99 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 49.3 | 99 | 71-132 | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 50.5 | 101 | 50-150 | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 45.7 | 91 | 46-140 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 53.6 | 107 | 74-131 | |
| 4-Chlorotoluene | ug/L | ND | 50 | 53.1 | 106 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 51.0 | 102 | 59-145 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

| MATRIX SPIKE SAMPLE: | | 939832 | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|
| Parameter | Units | 10150806002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
| Acetone | ug/L | ND | 125 | 108 | 87 | 36-126 | |
| Allyl chloride | ug/L | ND | 50 | 53.0 | 106 | 50-148 | |
| Benzene | ug/L | ND | 50 | 52.1 | 104 | 70-133 | |
| Bromobenzene | ug/L | ND | 50 | 50.5 | 101 | 72-129 | |
| Bromochloromethane | ug/L | ND | 50 | 52.9 | 106 | 69-137 | |
| Bromodichloromethane | ug/L | ND | 50 | 51.5 | 103 | 73-134 | |
| Bromoform | ug/L | ND | 50 | 47.1 | 94 | 56-144 | |
| Bromomethane | ug/L | ND | 50 | 43.8 | 88 | 30-150 | |
| Carbon tetrachloride | ug/L | ND | 50 | 57.2 | 114 | 55-150 | |
| Chlorobenzene | ug/L | ND | 50 | 49.9 | 100 | 71-132 | |
| Chloroethane | ug/L | ND | 50 | 57.7 | 115 | 50-150 | |
| Chloroform | ug/L | ND | 50 | 53.1 | 106 | 68-138 | |
| Chloromethane | ug/L | ND | 50 | 42.9 | 86 | 61-148 | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 51.9 | 104 | 68-135 | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 49.4 | 99 | 70-134 | |
| Dibromochloromethane | ug/L | ND | 50 | 49.1 | 98 | 67-135 | |
| Dibromomethane | ug/L | ND | 50 | 49.1 | 98 | 74-130 | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 58.8 | 118 | 44-150 | |
| Dichlorofluoromethane | ug/L | ND | 50 | 55.2 | 110 | 67-145 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 51.2 | 102 | 69-132 | |
| Ethylbenzene | ug/L | ND | 50 | 52.4 | 105 | 66-133 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 19.4 | 78 | 59-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 52.9 | 106 | 71-140 | |
| m&p-Xylene | ug/L | ND | 100 | 103 | 103 | 63-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 50.2 | 100 | 62-143 | |
| Methylene Chloride | ug/L | 7.2 | 50 | 52.5 | 90 | 69-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 53.7 | 107 | 73-140 | |
| n-Propylbenzene | ug/L | ND | 50 | 54.8 | 110 | 71-136 | |
| Naphthalene | ug/L | ND | 50 | 47.6 | 95 | 55-147 | |
| o-Xylene | ug/L | ND | 50 | 50.1 | 100 | 66-132 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 53.2 | 106 | 69-138 | |
| sec-Butylbenzene | ug/L | ND | 50 | 54.1 | 108 | 73-140 | |
| Styrene | ug/L | ND | 50 | 50.5 | 101 | 68-138 | |
| tert-Butylbenzene | ug/L | ND | 50 | 53.4 | 107 | 70-138 | |
| Tetrachloroethene | ug/L | 4.8 | 50 | 55.4 | 101 | 70-138 | |
| Tetrahydrofuran | ug/L | ND | 500 | 475 | 95 | 54-148 | |
| Toluene | ug/L | ND | 50 | 50.4 | 101 | 65-127 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 53.1 | 106 | 67-131 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 50.2 | 100 | 64-138 | |
| Trichloroethene | ug/L | ND | 50 | 50.9 | 102 | 70-133 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 62.2 | 124 | 59-150 | |
| Vinyl chloride | ug/L | ND | 50 | 57.6 | 115 | 59-150 | |
| Xylene (Total) | ug/L | ND | 150 | 153 | 102 | 65-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 108 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | | 105 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 103 | 75-130 | |
| Toluene-d8 (S) | % | | | | 102 | 75-125 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

SAMPLE DUPLICATE: 939833

| Parameter | Units | 10150806013 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.: 10150806

SAMPLE DUPLICATE: 939833

| Parameter | Units | 10150806013 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 | 5.2 | 8.0 | 41 | 30 | D6 |
| 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 | 4.8 | 4.9 | 4 | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 111 | 113 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 103 | 105 | 2 | | |
| Dibromofluoromethane (S) | % | 105 | 106 | 1 | | |
| Toluene-d8 (S) | % | 104 | 103 | .9 | | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

QC Batch: MSV/16445 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10150806001, 10150806003, 10150806006, 10150806012

METHOD BLANK: 938729 Matrix: Water
Associated Lab Samples: 10150806001, 10150806003, 10150806006, 10150806012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2,3-Trichloropropane | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Acetone | ug/L | ND | 25.0 | 03/04/11 10:56 | |
| Allyl chloride | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Benzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Bromobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Bromochloromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Bromoform | ug/L | ND | 8.0 | 03/04/11 10:56 | |
| Bromomethane | ug/L | ND | 10.0 | 03/04/11 10:56 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Chlorobenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Chloroethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Chloroform | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Chloromethane | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Dibromomethane | ug/L | ND | 4.0 | 03/04/11 10:56 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

METHOD BLANK: 938729

Matrix: Water

Associated Lab Samples: 10150806001, 10150806003, 10150806006, 10150806012

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Ethylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| m&p-Xylene | ug/L | ND | 2.0 | 03/04/11 10:56 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Methylene Chloride | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Naphthalene | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| o-Xylene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Styrene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 03/04/11 10:56 | |
| Toluene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 10:56 | |
| Trichloroethene | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 10:56 | |
| Vinyl chloride | ug/L | ND | 0.40 | 03/04/11 10:56 | |
| Xylene (Total) | ug/L | ND | 3.0 | 03/04/11 10:56 | |
| 1,2-Dichloroethane-d4 (S) | % | 105 | 75-131 | 03/04/11 10:56 | |
| 4-Bromofluorobenzene (S) | % | 102 | 75-125 | 03/04/11 10:56 | |
| Dibromofluoromethane (S) | % | 103 | 75-130 | 03/04/11 10:56 | |
| Toluene-d8 (S) | % | 102 | 75-125 | 03/04/11 10:56 | |

LABORATORY CONTROL SAMPLE: 938730

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 50.0 | 100 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 50.6 | 101 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 51.4 | 103 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 51.0 | 102 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 50.8 | 102 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 51.5 | 103 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 50.0 | 100 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 50.1 | 100 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 50.2 | 100 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 47.8 | 96 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 49.5 | 99 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 938730

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 49.6 | 99 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 49.8 | 100 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 50.8 | 102 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.0 | 102 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 51.7 | 103 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 49.5 | 99 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 50.1 | 100 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 52.1 | 104 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 46.7 | 93 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 52.7 | 105 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 54.0 | 108 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 49.8 | 100 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 53.2 | 106 | 65-132 | |
| Acetone | ug/L | 125 | 138 | 110 | 36-126 | |
| Allyl chloride | ug/L | 50 | 55.0 | 110 | 64-137 | |
| Benzene | ug/L | 50 | 50.5 | 101 | 75-125 | |
| Bromobenzene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 48.2 | 96 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 49.1 | 98 | 75-125 | |
| Bromoform | ug/L | 50 | 51.1 | 102 | 72-131 | |
| Bromomethane | ug/L | 50 | 44.5 | 89 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 48.6 | 97 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 48.9 | 98 | 75-125 | |
| Chloroethane | ug/L | 50 | 51.6 | 103 | 56-137 | |
| Chloroform | ug/L | 50 | 50.1 | 100 | 75-125 | |
| Chloromethane | ug/L | 50 | 50.1 | 100 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 51.6 | 103 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 50.4 | 101 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 50.6 | 101 | 75-125 | |
| Dibromomethane | ug/L | 50 | 48.8 | 98 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 51.2 | 102 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 49.0 | 98 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 52.0 | 104 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 49.6 | 99 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 23.6 | 94 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 50.0 | 100 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 98.8 | 99 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 51.8 | 104 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 49.7 | 99 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 51.2 | 102 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 50.3 | 101 | 75-125 | |
| Naphthalene | ug/L | 50 | 51.1 | 102 | 69-130 | |
| o-Xylene | ug/L | 50 | 51.6 | 103 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 50.2 | 100 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 50.3 | 101 | 75-125 | |
| Styrene | ug/L | 50 | 51.2 | 102 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 938730

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 49.4 | 99 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 48.1 | 96 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 497 | 99 | 64-135 | |
| Toluene | ug/L | 50 | 49.7 | 99 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 50.7 | 101 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 52.6 | 105 | 75-125 | |
| Trichloroethene | ug/L | 50 | 47.2 | 94 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 50.0 | 100 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 50.4 | 101 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 150 | 100 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 99 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 104 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 103 | 75-130 | |
| Toluene-d8 (S) | % | | | 99 | 75-125 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 938731

938732

| Parameter | Units | 10150955001 | | MS | | MSD | | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------------|-------|-------------|-------|-------------|-------------|--------|--------|----------|-----------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 46.1 | 46.6 | 92 | 93 | 72-133 | 1 | 30 | | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 50 | 51.4 | 52.3 | 103 | 105 | 65-150 | 2 | 30 | | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 47.9 | 50.2 | 96 | 100 | 63-138 | 5 | 30 | | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 50 | 47.9 | 48.4 | 96 | 97 | 68-131 | 1 | 30 | | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 50 | 57.5 | 57.3 | 115 | 115 | 47-150 | .5 | 30 | | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 50 | 48.3 | 49.1 | 97 | 98 | 71-131 | 1 | 30 | | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 50 | 46.5 | 48.1 | 93 | 96 | 66-145 | 3 | 30 | | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 50 | 47.9 | 48.7 | 96 | 97 | 62-144 | 2 | 30 | | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 50 | 46.7 | 48.7 | 93 | 97 | 66-139 | 4 | 30 | | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 50 | 48.9 | 50.5 | 98 | 101 | 61-139 | 3 | 30 | | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 50 | 45.8 | 48.2 | 92 | 96 | 68-139 | 5 | 30 | | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 50 | 45.1 | 47.9 | 90 | 96 | 69-130 | 6 | 30 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 50 | 49.7 | 48.3 | 99 | 97 | 53-150 | 3 | 30 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 50 | 47.2 | 47.5 | 94 | 95 | 69-133 | .6 | 30 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 50 | 47.0 | 49.0 | 94 | 98 | 72-131 | 4 | 30 | | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 50 | 47.3 | 47.7 | 95 | 95 | 62-148 | .8 | 30 | | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 50 | 47.2 | 50.8 | 94 | 102 | 74-128 | 7 | 30 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 50 | 45.9 | 47.0 | 92 | 94 | 65-134 | 2 | 30 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 50 | 45.5 | 47.8 | 91 | 96 | 73-130 | 5 | 30 | | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 50 | 47.9 | 48.5 | 96 | 97 | 71-130 | 1 | 30 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 50 | 43.7 | 45.8 | 87 | 92 | 71-132 | 5 | 30 | | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 50 | 51.6 | 52.6 | 103 | 105 | 50-150 | 2 | 30 | | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 50 | 40.1 | 41.9 | 80 | 84 | 46-140 | 4 | 30 | | |
| 2-Chlorotoluene | ug/L | ND | 50 | 50 | 47.0 | 48.5 | 94 | 97 | 74-131 | 3 | 30 | | |
| 4-Chlorotoluene | ug/L | ND | 50 | 50 | 45.3 | 47.6 | 91 | 95 | 70-139 | 5 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 50 | 50.2 | 49.0 | 100 | 98 | 59-145 | 3 | 30 | | |
| Acetone | ug/L | ND | 125 | 125 | 84.2 | 78.3 | 67 | 63 | 36-126 | 7 | 30 | | |
| Allyl chloride | ug/L | ND | 50 | 50 | 34.6 | 33.2 | 69 | 66 | 50-148 | 4 | 30 | | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Project No.: 10150806

| MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 938731 938732 | | | | | | | | | | | |
|--|-------|-----------------------|----------------|----------------|--------|--------|-------|-------|--------|-----|------|
| Parameter | Units | 10150955001 Result | MS | MSD | MS | MSD | MS | MSD | % Rec | Max | Qual |
| | | | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | Limits | RPD | |
| Benzene | ug/L | ND | 50 | 50 | 47.3 | 47.9 | 95 | 96 | 70-133 | 1 | 30 |
| Bromobenzene | ug/L | ND | 50 | 50 | 47.0 | 48.6 | 94 | 97 | 72-129 | 3 | 30 |
| Bromochloromethane | ug/L | ND | 50 | 50 | 41.0 | 40.7 | 82 | 81 | 69-137 | .8 | 30 |
| Bromodichloromethane | ug/L | ND | 50 | 50 | 44.7 | 45.3 | 89 | 91 | 73-134 | 1 | 30 |
| Bromoform | ug/L | ND | 50 | 50 | 44.4 | 45.0 | 89 | 90 | 56-144 | 1 | 30 |
| Bromomethane | ug/L | ND | 50 | 50 | 41.9 | 55.1 | 84 | 110 | 30-150 | 27 | 30 |
| Carbon tetrachloride | ug/L | ND | 50 | 50 | 47.2 | 47.3 | 94 | 95 | 55-150 | .3 | 30 |
| Chlorobenzene | ug/L | ND | 50 | 50 | 43.7 | 46.1 | 87 | 92 | 71-132 | 5 | 30 |
| Chloroethane | ug/L | ND | 50 | 50 | 48.1 | 49.8 | 96 | 100 | 50-150 | 4 | 30 |
| Chloroform | ug/L | ND | 50 | 50 | 45.2 | 45.9 | 90 | 92 | 68-138 | 2 | 30 |
| Chloromethane | ug/L | ND | 50 | 50 | 46.0 | 45.6 | 92 | 91 | 61-148 | .8 | 30 |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 46.0 | 47.7 | 92 | 95 | 68-135 | 4 | 30 |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 42.4 | 44.9 | 85 | 90 | 70-134 | 6 | 30 |
| Dibromochloromethane | ug/L | ND | 50 | 50 | 43.3 | 45.0 | 87 | 90 | 67-135 | 4 | 30 |
| Dibromomethane | ug/L | ND | 50 | 50 | 43.2 | 47.1 | 86 | 94 | 74-130 | 9 | 30 |
| Dichlorodifluoromethane | ug/L | ND | 50 | 50 | 59.7 | 61.3 | 119 | 123 | 44-150 | 3 | 30 |
| Dichlorofluoromethane | ug/L | ND | 50 | 50 | 48.6 | 48.4 | 97 | 97 | 67-145 | .3 | 30 |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50 | 46.9 | 47.9 | 94 | 96 | 69-132 | 2 | 30 |
| Ethylbenzene | ug/L | ND | 50 | 50 | 47.1 | 47.5 | 94 | 95 | 66-133 | 1 | 30 |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 25 | 25.4 | 26.4 | 102 | 106 | 59-150 | 4 | 30 |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 50 | 46.1 | 47.6 | 92 | 95 | 71-140 | 3 | 30 |
| m&p-Xylene | ug/L | ND | 100 | 100 | 92.4 | 94.8 | 92 | 95 | 63-130 | 3 | 30 |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 50 | 54.8 | 53.8 | 110 | 108 | 62-143 | 2 | 30 |
| Methylene Chloride | ug/L | ND | 50 | 50 | 41.9 | 41.7 | 84 | 83 | 69-126 | .4 | 30 |
| n-Butylbenzene | ug/L | ND | 50 | 50 | 48.2 | 51.1 | 96 | 102 | 73-140 | 6 | 30 |
| n-Propylbenzene | ug/L | ND | 50 | 50 | 45.9 | 49.3 | 92 | 99 | 71-136 | 7 | 30 |
| Naphthalene | ug/L | ND | 50 | 50 | 50.8 | 52.1 | 102 | 104 | 55-147 | 2 | 30 |
| o-Xylene | ug/L | ND | 50 | 50 | 47.9 | 47.4 | 96 | 95 | 66-132 | .9 | 30 |
| p-Isopropyltoluene | ug/L | ND | 50 | 50 | 47.7 | 49.8 | 95 | 100 | 69-138 | 4 | 30 |
| sec-Butylbenzene | ug/L | ND | 50 | 50 | 47.4 | 50.4 | 95 | 101 | 73-140 | 6 | 30 |
| Styrene | ug/L | ND | 50 | 50 | 47.8 | 48.0 | 96 | 96 | 68-138 | .4 | 30 |
| tert-Butylbenzene | ug/L | ND | 50 | 50 | 47.2 | 49.9 | 94 | 100 | 70-138 | 6 | 30 |
| Tetrachloroethene | ug/L | ND | 50 | 50 | 46.5 | 47.4 | 93 | 95 | 70-138 | 2 | 30 |
| Tetrahydrofuran | ug/L | ND | 500 | 500 | 491 | 484 | 98 | 97 | 54-148 | 1 | 30 |
| Toluene | ug/L | ND | 50 | 50 | 45.3 | 46.4 | 91 | 93 | 65-127 | 2 | 30 |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 47.0 | 47.6 | 94 | 95 | 67-131 | 1 | 30 |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 45.6 | 46.9 | 91 | 94 | 64-138 | 3 | 30 |
| Trichloroethene | ug/L | ND | 50 | 50 | 43.6 | 44.1 | 87 | 88 | 70-133 | 1 | 30 |
| Trichlorofluoromethane | ug/L | ND | 50 | 50 | 56.4 | 56.3 | 113 | 113 | 59-150 | .2 | 30 |
| Vinyl chloride | ug/L | ND | 50 | 50 | 52.3 | 54.1 | 105 | 108 | 59-150 | 3 | 30 |
| Xylene (Total) | ug/L | ND | 150 | 150 | 140 | 142 | 94 | 95 | 65-130 | 1 | 30 |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | 106 | 102 | 75-131 | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 99 | 104 | 75-125 | | |
| Dibromofluoromethane (S) | % | | | | | | 103 | 102 | 75-130 | | |
| Toluene-d8 (S) | % | | | | | | 98 | 99 | 75-125 | | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

QC Batch: MSV/16464 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10150806004

METHOD BLANK: 940662 Matrix: Water
Associated Lab Samples: 10150806004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2,3-Trichloropropane | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Acetone | ug/L | ND | 25.0 | 03/09/11 11:58 | |
| Allyl chloride | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Benzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Bromobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Bromochloromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Bromoform | ug/L | ND | 8.0 | 03/09/11 11:58 | |
| Bromomethane | ug/L | ND | 10.0 | 03/09/11 11:58 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Chlorobenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Chloroethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Chloroform | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Chloromethane | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Dibromomethane | ug/L | ND | 4.0 | 03/09/11 11:58 | |

Date: 03/09/2011 05:03 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150806

METHOD BLANK: 940662 Matrix: Water

Associated Lab Samples: 10150806004

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Ethylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| m&p-Xylene | ug/L | ND | 2.0 | 03/09/11 11:58 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Methylene Chloride | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Naphthalene | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| o-Xylene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Styrene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 03/09/11 11:58 | |
| Toluene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/09/11 11:58 | |
| Trichloroethene | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 03/09/11 11:58 | |
| Vinyl chloride | ug/L | ND | 0.40 | 03/09/11 11:58 | |
| Xylene (Total) | ug/L | ND | 3.0 | 03/09/11 11:58 | |
| 1,2-Dichloroethane-d4 (S) | % | 101 | 75-131 | 03/09/11 11:58 | |
| 4-Bromofluorobenzene (S) | % | 101 | 75-125 | 03/09/11 11:58 | |
| Dibromofluoromethane (S) | % | 100 | 75-130 | 03/09/11 11:58 | |
| Toluene-d8 (S) | % | 99 | 75-125 | 03/09/11 11:58 | |

LABORATORY CONTROL SAMPLE: 940663

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 47.6 | 95 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 50.5 | 101 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 51.8 | 104 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 51.9 | 104 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 55.0 | 110 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 54.3 | 109 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 51.8 | 104 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 50.8 | 102 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 50.0 | 100 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 51.1 | 102 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 48.4 | 97 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 940663

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 47.8 | 96 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 48.7 | 97 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 50.7 | 101 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 48.7 | 97 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 51.7 | 103 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 53.6 | 107 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 46.0 | 92 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 47.8 | 96 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 51.7 | 103 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 45.7 | 91 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 51.1 | 102 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 53.8 | 108 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 47.1 | 94 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 47.8 | 96 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 56.3 | 113 | 65-132 | |
| Acetone | ug/L | 125 | 148 | 118 | 36-126 | |
| Allyl chloride | ug/L | 50 | 56.1 | 112 | 64-137 | |
| Benzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Bromobenzene | ug/L | 50 | 47.5 | 95 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 46.6 | 93 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 49.4 | 99 | 75-125 | |
| Bromoform | ug/L | 50 | 52.8 | 106 | 72-131 | |
| Bromomethane | ug/L | 50 | 40.4 | 81 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 47.9 | 96 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 48.2 | 96 | 75-125 | |
| Chloroethane | ug/L | 50 | 57.5 | 115 | 56-137 | |
| Chloroform | ug/L | 50 | 50.4 | 101 | 75-125 | |
| Chloromethane | ug/L | 50 | 50.5 | 101 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 54.2 | 108 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 48.3 | 97 | 75-125 | |
| Dibromomethane | ug/L | 50 | 51.0 | 102 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 49.1 | 98 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 52.3 | 105 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 56.7 | 113 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 47.7 | 95 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 23.4 | 94 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 48.6 | 97 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 97.7 | 98 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 54.7 | 109 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 50.2 | 100 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 49.0 | 98 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 48.7 | 97 | 75-125 | |
| Naphthalene | ug/L | 50 | 52.4 | 105 | 69-130 | |
| o-Xylene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 48.0 | 96 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 47.9 | 96 | 75-125 | |
| Styrene | ug/L | 50 | 48.9 | 98 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150806

LABORATORY CONTROL SAMPLE: 940663

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 48.0 | 96 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 47.5 | 95 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 567 | 113 | 64-135 | |
| Toluene | ug/L | 50 | 48.2 | 96 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 52.2 | 104 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 50.4 | 101 | 75-125 | |
| Trichloroethene | ug/L | 50 | 47.1 | 94 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 51.5 | 103 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 53.9 | 108 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 147 | 98 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 97 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 103 | 75-130 | |
| Toluene-d8 (S) | % | | | 99 | 75-125 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 940664

940665

| Parameter | Units | 10150806004 | | MS | MSD | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------------|-------|-------------|-------|-------------|-------------|--------|--------|-------|--------|--------------|-----|---------|------|
| | | Result | Conc. | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1250 | 1250 | 1190 | 1220 | 95 | 98 | 72-133 | 3 | 30 | | |
| 1,1,1-Trichloroethane | ug/L | ND | 1250 | 1250 | 1210 | 1260 | 96 | 101 | 65-150 | 5 | 30 | | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1250 | 1250 | 1310 | 1360 | 105 | 108 | 63-138 | 4 | 30 | | |
| 1,1,2-Trichloroethane | ug/L | ND | 1250 | 1250 | 1310 | 1340 | 105 | 107 | 68-131 | 2 | 30 | | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1250 | 1250 | 1670 | 1790 | 133 | 143 | 47-150 | 7 | 30 | | |
| 1,1-Dichloroethane | ug/L | ND | 1250 | 1250 | 1360 | 1410 | 108 | 113 | 71-131 | 4 | 30 | | |
| 1,1-Dichloroethene | ug/L | ND | 1250 | 1250 | 1290 | 1360 | 103 | 108 | 66-145 | 5 | 30 | | |
| 1,1-Dichloropropene | ug/L | ND | 1250 | 1250 | 1270 | 1320 | 102 | 106 | 62-144 | 4 | 30 | | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1250 | 1250 | 1170 | 1210 | 93 | 97 | 66-139 | 4 | 30 | | |
| 1,2,3-Trichloropropane | ug/L | ND | 1250 | 1250 | 1240 | 1270 | 99 | 101 | 61-139 | 2 | 30 | | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1250 | 1250 | 1120 | 1180 | 90 | 94 | 68-139 | 5 | 30 | | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1250 | 1250 | 1130 | 1190 | 90 | 95 | 69-130 | 5 | 30 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 1250 | 1250 | 1190 | 1320 | 95 | 105 | 53-150 | 10 | 30 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1250 | 1250 | 1250 | 1270 | 100 | 101 | 69-133 | 2 | 30 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 1250 | 1250 | 1150 | 1190 | 92 | 95 | 72-131 | 3 | 30 | | |
| 1,2-Dichloroethane | ug/L | ND | 1250 | 1250 | 1260 | 1290 | 100 | 103 | 62-148 | 2 | 30 | | |
| 1,2-Dichloropropane | ug/L | ND | 1250 | 1250 | 1330 | 1350 | 106 | 108 | 74-128 | 2 | 30 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1250 | 1250 | 1110 | 1170 | 89 | 94 | 65-134 | 6 | 30 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 1250 | 1250 | 1160 | 1180 | 93 | 94 | 73-130 | 1 | 30 | | |
| 1,3-Dichloropropane | ug/L | ND | 1250 | 1250 | 1270 | 1310 | 101 | 105 | 71-130 | 3 | 30 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 1250 | 1250 | 1120 | 1150 | 90 | 92 | 71-132 | 3 | 30 | | |
| 2,2-Dichloropropane | ug/L | ND | 1250 | 1250 | 1270 | 1310 | 102 | 105 | 50-150 | 3 | 30 | | |
| 2-Butanone (MEK) | ug/L | ND | 1250 | 1250 | 1220 | 1220 | 98 | 98 | 46-140 | .2 | 30 | | |
| 2-Chlorotoluene | ug/L | ND | 1250 | 1250 | 1130 | 1170 | 90 | 93 | 74-131 | 3 | 30 | | |
| 4-Chlorotoluene | ug/L | ND | 1250 | 1250 | 1140 | 1200 | 91 | 96 | 70-139 | 5 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 1250 | 1250 | 1370 | 1490 | 110 | 119 | 59-145 | 8 | 30 | | |
| Acetone | ug/L | ND | 3120 | 3120 | 2530 | 2540 | 81 | 81 | 36-126 | .7 | 30 | | |
| Allyl chloride | ug/L | ND | 1250 | 1250 | 1420 | 1450 | 114 | 116 | 50-148 | 2 | 30 | | |

Date: 03/09/2011 05:03 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Project No.: 10150806

| Parameter | 10150806004 | | MS | | MSD | | MS | | MSD | | MS | | MSD | | % Rec | | Max | | Qual |
|-----------------------------|-------------|--------|-------------|-----------------|-----------|------------|----------|-----------|--------------|-----|-----|-----|-----|--|-------|--|-----|--|------|
| | Units | Result | Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | RPD | RPD | RPD | | | | | | |
| Benzene | ug/L | ND | 1250 | 1250 | 1320 | 1350 | 106 | 108 | 70-133 | 2 | 30 | | | | | | | | |
| Bromobenzene | ug/L | ND | 1250 | 1250 | 1160 | 1220 | 92 | 98 | 72-129 | 6 | 30 | | | | | | | | |
| Bromochloromethane | ug/L | ND | 1250 | 1250 | 1220 | 1200 | 97 | 96 | 69-137 | 1 | 30 | | | | | | | | |
| Bromodichloromethane | ug/L | ND | 1250 | 1250 | 1190 | 1200 | 95 | 96 | 73-134 | .9 | 30 | | | | | | | | |
| Bromoform | ug/L | ND | 1250 | 1250 | 1290 | 1320 | 104 | 105 | 56-144 | 2 | 30 | | | | | | | | |
| Bromomethane | ug/L | ND | 1250 | 1250 | 1100 | 1170 | 88 | 94 | 30-150 | 6 | 30 | | | | | | | | |
| Carbon tetrachloride | ug/L | ND | 1250 | 1250 | 1200 | 1230 | 96 | 98 | 55-150 | 2 | 30 | | | | | | | | |
| Chlorobenzene | ug/L | ND | 1250 | 1250 | 1170 | 1210 | 93 | 97 | 71-132 | 4 | 30 | | | | | | | | |
| Chloroethane | ug/L | ND | 1250 | 1250 | 1380 | 1470 | 110 | 118 | 50-150 | 7 | 30 | | | | | | | | |
| Chloroform | ug/L | ND | 1250 | 1250 | 1260 | 1300 | 101 | 104 | 68-138 | 3 | 30 | | | | | | | | |
| Chloromethane | ug/L | ND | 1250 | 1250 | 1220 | 1300 | 98 | 104 | 61-148 | 6 | 30 | | | | | | | | |
| cis-1,2-Dichloroethene | ug/L | ND | 1250 | 1250 | 1340 | 1400 | 106 | 111 | 68-135 | 4 | 30 | | | | | | | | |
| cis-1,3-Dichloropropene | ug/L | ND | 1250 | 1250 | 1310 | 1300 | 105 | 104 | 70-134 | .7 | 30 | | | | | | | | |
| Dibromochloromethane | ug/L | ND | 1250 | 1250 | 1200 | 1220 | 96 | 97 | 67-135 | 1 | 30 | | | | | | | | |
| Dibromomethane | ug/L | ND | 1250 | 1250 | 1260 | 1250 | 101 | 100 | 74-130 | 1 | 30 | | | | | | | | |
| Dichlorodifluoromethane | ug/L | ND | 1250 | 1250 | 1270 | 1340 | 101 | 107 | 44-150 | 6 | 30 | | | | | | | | |
| Dichlorofluoromethane | ug/L | ND | 1250 | 1250 | 1280 | 1300 | 103 | 104 | 67-145 | 2 | 30 | | | | | | | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 1250 | 1250 | 1470 | 1480 | 118 | 119 | 69-132 | .8 | 30 | | | | | | | | |
| Ethylbenzene | ug/L | ND | 1250 | 1250 | 1160 | 1210 | 92 | 97 | 66-133 | 5 | 30 | | | | | | | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 625 | 625 | 523 | 582 | 84 | 93 | 59-150 | 11 | 30 | | | | | | | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1250 | 1250 | 1170 | 1210 | 94 | 97 | 71-140 | 3 | 30 | | | | | | | | |
| m&p-Xylene | ug/L | ND | 2500 | 2500 | 2370 | 2450 | 95 | 98 | 63-130 | 3 | 30 | | | | | | | | |
| Methyl-tert-butyl ether | ug/L | ND | 1250 | 1250 | 1380 | 1390 | 110 | 111 | 62-143 | 1 | 30 | | | | | | | | |
| Methylene Chloride | ug/L | ND | 1250 | 1250 | 1280 | 1350 | 103 | 108 | 69-126 | 5 | 30 | | | | | | | | |
| n-Butylbenzene | ug/L | ND | 1250 | 1250 | 1150 | 1240 | 92 | 99 | 73-140 | 7 | 30 | | | | | | | | |
| n-Propylbenzene | ug/L | ND | 1250 | 1250 | 1150 | 1200 | 92 | 96 | 71-136 | 4 | 30 | | | | | | | | |
| Naphthalene | ug/L | ND | 1250 | 1250 | 1290 | 1310 | 103 | 105 | 55-147 | 2 | 30 | | | | | | | | |
| o-Xylene | ug/L | ND | 1250 | 1250 | 1220 | 1280 | 97 | 102 | 66-132 | 5 | 30 | | | | | | | | |
| p-Isopropyltoluene | ug/L | ND | 1250 | 1250 | 1140 | 1180 | 91 | 95 | 69-138 | 4 | 30 | | | | | | | | |
| sec-Butylbenzene | ug/L | ND | 1250 | 1250 | 1150 | 1190 | 92 | 96 | 73-140 | 4 | 30 | | | | | | | | |
| Styrene | ug/L | ND | 1250 | 1250 | 1210 | 1240 | 97 | 99 | 68-138 | 2 | 30 | | | | | | | | |
| tert-Butylbenzene | ug/L | ND | 1250 | 1250 | 1110 | 1180 | 88 | 95 | 70-138 | 7 | 30 | | | | | | | | |
| Tetrachloroethene | ug/L | 2990 | 1250 | 1250 | 3600 | 3670 | 49 | 55 | 70-138 | 2 | 30 | M1 | | | | | | | |
| Tetrahydrofuran | ug/L | ND | 12500 | 12500 | 14800 | 15600 | 118 | 125 | 54-148 | 5 | 30 | | | | | | | | |
| Toluene | ug/L | ND | 1250 | 1250 | 1160 | 1230 | 93 | 99 | 65-127 | 6 | 30 | | | | | | | | |
| trans-1,2-Dichloroethene | ug/L | ND | 1250 | 1250 | 1310 | 1350 | 105 | 108 | 67-131 | 3 | 30 | | | | | | | | |
| trans-1,3-Dichloropropene | ug/L | ND | 1250 | 1250 | 1230 | 1300 | 99 | 104 | 64-138 | 6 | 30 | | | | | | | | |
| Trichloroethene | ug/L | ND | 1250 | 1250 | 1160 | 1170 | 93 | 93 | 70-133 | .3 | 30 | | | | | | | | |
| Trichlorofluoromethane | ug/L | ND | 1250 | 1250 | 1260 | 1330 | 101 | 107 | 59-150 | 5 | 30 | | | | | | | | |
| Vinyl chloride | ug/L | ND | 1250 | 1250 | 1340 | 1440 | 107 | 115 | 59-150 | 8 | 30 | | | | | | | | |
| Xylene (Total) | ug/L | ND | 3750 | 3750 | 3590 | 3730 | 96 | 99 | 65-130 | 4 | 30 | | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | 98 | 99 | 75-131 | | | | | | | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 97 | 101 | 75-125 | | | | | | | | | | |
| Dibromofluoromethane (S) | % | | | | | | 105 | 103 | 75-130 | | | | | | | | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 99 | 75-125 | | | | | | | | | | |

QUALIFIERS

Project: CRC City of Rochester
Pace Project No.: 10150806

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester

Pace Project No.: 10150806

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|-----------|-------------------|------------------|
| 10150806001 | MW-17 | EPA 8260 | MSV/16445 | | |
| 10150806002 | MW-18 | EPA 8260 | MSV/16436 | | |
| 10150806003 | DPE-1 | EPA 8260 | MSV/16445 | | |
| 10150806004 | DPE-2 | EPA 8260 | MSV/16464 | | |
| 10150806005 | DPE-3 | EPA 8260 | MSV/16436 | | |
| 10150806006 | DPE-4 | EPA 8260 | MSV/16445 | | |
| 10150806007 | DPE-5 | EPA 8260 | MSV/16436 | | |
| 10150806008 | DPE-6 | EPA 8260 | MSV/16436 | | |
| 10150806009 | DPE-7 | EPA 8260 | MSV/16436 | | |
| 10150806010 | DPE-8 | EPA 8260 | MSV/16436 | | |
| 10150806011 | MW-15 | EPA 8260 | MSV/16436 | | |
| 10150806012 | MW-16 | EPA 8260 | MSV/16445 | | |
| 10150806013 | MW-19 | EPA 8260 | MSV/16436 | | |
| 10150806014 | MW-20 | EPA 8260 | MSV/16436 | | |
| 10150806015 | MW-14 | EPA 8260 | MSV/16436 | | |

10/5



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

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

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

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER

SITE
 GA IL IN MI NC
 OH SC WI OTHER

LOCATION
 Filtered (Y/N)

| # | ITEM | Valid Matrix Codes WATER WASTE WATER PRODUCT LIQUID OIL WIRE AIR SOIL TISSUE | Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) | COLLECTED | | # OF CONTAINERS | PRESERVATIVES Unpreserved H ₂ SO ₄ HNO ₃ HCl NaOH Na ₂ S ₂ O ₃ Methanol Other | Requested Analysis | EPA 8260 VOCs Lab I.D. | Pace Project Number Lab I.D. | |
|---|-----------|---|---|-------------|-------------|-----------------|---|--------------------|---------------------------|---------------------------------|------------|
| | | | | MATRIX CODE | SAMPLE TYPE | | | | | | |
| | | | | DATE | TIME | | | | | | |
| 1 | M W - 1 7 | | | W G | G | 3/1/11 | 9:30 | 3 | | X | 1015080600 |
| 2 | M W - 1 8 | | | W G | G | 3/1/11 | 9:00 | 3 | | X | 002 |
| 3 | D P E - 1 | | | W G | G | 3/1/11 | 6:00 | 3 | | X | 003 |
| 4 | D P E - 2 | | | W G | G | 3/1/11 | 6:10 | 3 | | X | 004 |
| 5 | D P E - 3 | | | W G | G | 3/1/11 | 6:20 | 3 | | X | 005 |
| 6 | D P E - 4 | | | W G | G | 3/1/11 | 6:30 | 3 | | X | 006 |
| 7 | D P E - 5 | | | W G | G | 3/1/11 | 6:40 | 3 | | X | 007 |
| 8 | D P E - 6 | | | W G | G | 3/1/11 | 6:50 | 3 | | X | 008 |
| 5 | D P E - 7 | | | W G | G | 3/1/11 | 7:00 | 3 | | X | 009 |
| 6 | D P E - 8 | | | W G | G | 3/1/11 | 7:10 | 3 | | X | 010 |
| 7 | M W - 1 5 | | | W G | G | 3/1/11 | 8:30 | 3 | | X | 011 |
| 8 | M W - 1 6 | | | W G | G | 3/1/11 | 10:30 | 3 | | X | 012 |

Additional Comments:

RELINQUISHED BY / AFFILIATION: DATE: TIME: ACCEPTED BY / AFFILIATION: DATE: TIME: SAMPLE CONDITIONS

3/2/11 10:16 1-6

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Eric Gabrielson
 SIGNATURE of SAMPLER: *Eric Gabrielson*
 DATE Signed (MM/DD/YY)

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



Sample Condition Upon Receipt

Client Name: UNOMARK ENR

Project # 10/S0806

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Optional
Proj. Due Date
Proj. Name

Custody Seal on Cooler/Box Present: yes no Seals Intact: yes no

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

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

Cooler Temperature 1.0
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 3/2/11 NJ

Comments:

| | | |
|---|--|-----|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>WT</u> | | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Exceptions: <u>VOA</u> , Coliform, TOC, Oil and Grease, WI-DRO (water) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): <u>020211-1</u> | | |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature]

Date: 3/3/11

March 09, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10150807

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on March 02, 2011. 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10150807

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10150807

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 10150807001 | AS-Influent | Water | 03/01/11 05:30 | 03/02/11 10:16 |
| 10150807002 | AS-Effluent | Water | 03/01/11 05:45 | 03/02/11 10:16 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester
Pace Project No.: 10150807

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|---------|----------|-------------------|
| 10150807001 | AS-Influent | EPA 624 | ECB | 82 |
| 10150807002 | AS-Effluent | EPA 624 | ECB | 82 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150807

| Sample: AS-Influent | | Lab ID: 10150807001 | Collected: 03/01/11 05:30 | Received: 03/02/11 10:16 | Matrix: Water | | | |
|-----------------------------|---------|----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 02:46 | 67-64-1 | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 03/04/11 02:46 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 03/04/11 02:46 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 03/04/11 02:46 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 98-06-6 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 1 | | 03/04/11 02:46 | 110-75-8 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 74-87-3 | |
| Chloroprene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-35-4 | |
| cis-1,2-Dichloroethene | 1.3 | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 87-68-3 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150807

| Sample: AS-Influent | | Lab ID: 10150807001 | Collected: 03/01/11 05:30 | Received: 03/02/11 10:16 | 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 | | 03/04/11 02:46 | 591-78-6 | | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 74-88-4 | | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 98-82-8 | | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 99-87-6 | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 75-09-2 | | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 03/04/11 02:46 | 91-57-6 | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 108-10-1 | | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 1634-04-4 | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 03/04/11 02:46 | 91-20-3 | | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 103-65-1 | | |
| Styrene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 100-42-5 | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 630-20-6 | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 79-34-5 | | |
| Tetrachloroethene | 127 | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 127-18-4 | | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 03/04/11 02:46 | 109-99-9 | | |
| Toluene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 108-88-3 | | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 87-61-6 | | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 120-82-1 | | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 71-55-6 | | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 79-00-5 | | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 79-01-6 | | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 75-69-4 | | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 96-18-4 | | |
| 1,1,2-Trichlorotrifluoroethane | 2.3 | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 76-13-1 | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 108-67-8 | | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 03/04/11 02:46 | 108-05-4 | | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 03/04/11 02:46 | 75-01-4 | | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 03/04/11 02:46 | 1330-20-7 | | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 03/04/11 02:46 | 179601-23-1 | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 03/04/11 02:46 | 95-47-6 | | |
| Dibromofluoromethane (S) | 105 | % | 75-125 | 1 | | 03/04/11 02:46 | 1868-53-7 | | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 03/04/11 02:46 | 460-00-4 | | |
| Toluene-d8 (S) | 103 | % | 75-125 | 1 | | 03/04/11 02:46 | 2037-26-5 | | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 75-125 | 1 | | 03/04/11 02:46 | 17060-07-0 | | |

| Sample: AS-Effluent | | Lab ID: 10150807002 | Collected: 03/01/11 05:45 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|---------------------|---------|----------------------------|---------------------------|--------------------------|---------------|----------------|----------|------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 03/04/11 01:56 | 67-64-1 | | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 03/04/11 01:56 | 107-02-8 | | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 03/04/11 01:56 | 107-13-1 | | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 03/04/11 01:56 | 107-05-1 | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 03/04/11 01:56 | 71-43-2 | | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10150807

| Sample: AS-Effluent | Lab ID: 10150807002 | Collected: 03/01/11 05:45 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|-----------------------------|---------------------|----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 03/04/11 01:56 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 98-06-6 | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-15-0 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 03/04/11 01:56 | 110-75-8 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 74-87-3 | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 126-99-8 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 87-68-3 | |
| 2-Hexanone | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 591-78-6 | |
| Iodomethane | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 75-09-2 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester
Pace Project No.: 10150807

| Sample: AS-Effluent | Lab ID: 10150807002 | Collected: 03/01/11 05:45 | Received: 03/02/11 10:16 | Matrix: Water | | | | |
|--------------------------------|----------------------------|---------------------------|--------------------------|---------------|----------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | Analytical Method: EPA 624 | | | | | | | |
| 2-Methylnaphthalene | ND ug/L | | 5.0 | 1 | | 03/04/11 01:56 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 1634-04-4 | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 03/04/11 01:56 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 630-20-6 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 79-34-5 | |
| Tetrachloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 03/04/11 01:56 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 108-67-8 | |
| Vinyl acetate | ND ug/L | | 20.0 | 1 | | 03/04/11 01:56 | 108-05-4 | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 03/04/11 01:56 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 03/04/11 01:56 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 03/04/11 01:56 | 179601-23-1 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 03/04/11 01:56 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 % | | 75-125 | 1 | | 03/04/11 01:56 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 105 % | | 75-125 | 1 | | 03/04/11 01:56 | 460-00-4 | |
| Toluene-d8 (S) | 102 % | | 75-125 | 1 | | 03/04/11 01:56 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 109 % | | 75-125 | 1 | | 03/04/11 01:56 | 17060-07-0 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Project No.: 10150807

QC Batch: MSV/16435 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10150807001, 10150807002

METHOD BLANK: 938156 Matrix: Water
Associated Lab Samples: 10150807001, 10150807002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 03/04/11 00:50 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 2-Hexanone | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| 2-Methylnaphthalene | ug/L | ND | 5.0 | 03/04/11 00:50 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Acetone | ug/L | ND | 25.0 | 03/04/11 00:50 | |
| Acrolein | ug/L | ND | 10.0 | 03/04/11 00:50 | |
| Acrylonitrile | ug/L | ND | 10.0 | 03/04/11 00:50 | |
| Allyl chloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Benzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromochloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Bromoform | ug/L | ND | 8.0 | 03/04/11 00:50 | |
| Bromomethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Carbon disulfide | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Chlorobenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Chloroethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150807

METHOD BLANK: 938156

Matrix: Water

Associated Lab Samples: 10150807001, 10150807002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Chloroform | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Chloromethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Chloroprene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Dibromomethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Ethylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Iodomethane | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| m&p-Xylene | ug/L | ND | 2.0 | 03/04/11 00:50 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Methylene Chloride | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Naphthalene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| o-Xylene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Styrene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 03/04/11 00:50 | |
| Toluene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 03/04/11 00:50 | |
| Trichloroethene | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 03/04/11 00:50 | |
| Vinyl acetate | ug/L | ND | 20.0 | 03/04/11 00:50 | |
| Vinyl chloride | ug/L | ND | 0.40 | 03/04/11 00:50 | |
| Xylene (Total) | ug/L | ND | 3.0 | 03/04/11 00:50 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 75-125 | 03/04/11 00:50 | |
| 4-Bromofluorobenzene (S) | % | 104 | 75-125 | 03/04/11 00:50 | |
| Dibromofluoromethane (S) | % | 104 | 75-125 | 03/04/11 00:50 | |
| Toluene-d8 (S) | % | 103 | 75-125 | 03/04/11 00:50 | |

LABORATORY CONTROL SAMPLE: 938157

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 51.9 | 104 | 75-129 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 53.9 | 108 | 73-144 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150807

LABORATORY CONTROL SAMPLE: 938157

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 49.7 | 99 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 52.2 | 104 | 75-143 | |
| 1,1-Dichloroethane | ug/L | 50 | 53.5 | 107 | 75-135 | |
| 1,1-Dichloroethene | ug/L | 50 | 53.9 | 108 | 75-133 | |
| 1,1-Dichloropropene | ug/L | 50 | 53.3 | 107 | 75-131 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 45.9 | 92 | 73-141 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 50.5 | 101 | 75-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 46.9 | 94 | 70-148 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 53.2 | 106 | 75-141 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 48.3 | 97 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 49.9 | 100 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 49.4 | 99 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 53.1 | 106 | 75-136 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.4 | 105 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 52.9 | 106 | 75-141 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 50.6 | 101 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 49.7 | 99 | 50-150 | |
| 2-Butanone (MEK) | ug/L | 50 | 43.3 | 87 | 58-138 | |
| 2-Chloroethylvinyl ether | ug/L | 125 | 118 | 94 | 50-150 | |
| 2-Chlorotoluene | ug/L | 50 | 53.4 | 107 | 75-132 | |
| 2-Hexanone | ug/L | 50 | 49.1 | 98 | 65-135 | |
| 2-Methylnaphthalene | ug/L | 25 | 21.2 | 85 | 62-150 | |
| 4-Chlorotoluene | ug/L | 50 | 53.2 | 106 | 75-135 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 50.9 | 102 | 69-137 | |
| Acetone | ug/L | 125 | 105 | 84 | 52-141 | |
| Acrolein | ug/L | 500 | 487 | 97 | 50-150 | |
| Acrylonitrile | ug/L | 500 | 481 | 96 | 75-130 | |
| Allyl chloride | ug/L | 50 | 52.9 | 106 | 68-150 | |
| Benzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Bromobenzene | ug/L | 50 | 50.3 | 101 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 53.3 | 107 | 75-129 | |
| Bromodichloromethane | ug/L | 50 | 51.7 | 103 | 75-142 | |
| Bromoform | ug/L | 50 | 48.4 | 97 | 66-135 | |
| Bromomethane | ug/L | 50 | 41.9 | 84 | 57-150 | |
| Carbon disulfide | ug/L | 50 | 52.8 | 106 | 65-132 | |
| Carbon tetrachloride | ug/L | 50 | 54.7 | 109 | 75-148 | |
| Chlorobenzene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| Chloroethane | ug/L | 50 | 57.9 | 116 | 66-142 | |
| Chloroform | ug/L | 50 | 53.7 | 107 | 75-131 | |
| Chloromethane | ug/L | 50 | 45.8 | 92 | 52-147 | |
| Chloroprene | ug/L | 50 | 55.8 | 112 | 71-147 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 51.9 | 104 | 75-126 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 50.8 | 102 | 69-150 | |
| Dibromochloromethane | ug/L | 50 | 50.0 | 100 | 73-138 | |
| Dibromomethane | ug/L | 50 | 49.8 | 100 | 75-127 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150807

LABORATORY CONTROL SAMPLE: 938157

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Dichlorodifluoromethane | ug/L | 50 | 50.9 | 102 | 50-150 | |
| Dichlorofluoromethane | ug/L | 50 | 55.3 | 111 | 75-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 51.8 | 104 | 75-126 | |
| Ethylbenzene | ug/L | 50 | 52.5 | 105 | 75-132 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 19.3 | 77 | 75-129 | |
| Iodomethane | ug/L | 50 | 39.1 | 78 | 73-150 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 52.7 | 105 | 75-142 | |
| m&p-Xylene | ug/L | 100 | 103 | 103 | 75-131 | |
| Methyl-tert-butyl ether | ug/L | 50 | 50.8 | 102 | 75-130 | |
| Methylene Chloride | ug/L | 50 | 47.4 | 95 | 71-125 | |
| n-Butylbenzene | ug/L | 50 | 53.6 | 107 | 70-148 | |
| n-Propylbenzene | ug/L | 50 | 54.4 | 109 | 75-136 | |
| Naphthalene | ug/L | 50 | 46.7 | 93 | 69-145 | |
| o-Xylene | ug/L | 50 | 50.6 | 101 | 75-129 | |
| p-Isopropyltoluene | ug/L | 50 | 53.4 | 107 | 75-132 | |
| sec-Butylbenzene | ug/L | 50 | 53.8 | 108 | 75-136 | |
| Styrene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 52.9 | 106 | 75-135 | |
| Tetrachloroethene | ug/L | 50 | 49.2 | 98 | 75-125 | |
| Tetrahydrofuran | ug/L | 500 | 466 | 93 | 63-144 | |
| Toluene | ug/L | 50 | 50.6 | 101 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 52.0 | 104 | 72-135 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 51.3 | 103 | 62-150 | |
| Trichloroethene | ug/L | 50 | 50.5 | 101 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 56.4 | 113 | 67-150 | |
| Vinyl acetate | ug/L | 50 | 54.1 | 108 | 55-150 | |
| Vinyl chloride | ug/L | 50 | 54.7 | 109 | 63-147 | |
| Xylene (Total) | ug/L | 150 | 154 | 103 | 75-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 106 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | 103 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 102 | 75-125 | |
| Toluene-d8 (S) | % | | | 102 | 75-125 | |

MATRIX SPIKE SAMPLE: 938158

| Parameter | Units | 10150717002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 51.6 | 103 | 70-136 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 55.7 | 111 | 68-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 49.3 | 99 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 49.0 | 98 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 59.8 | 120 | 75-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 53.5 | 107 | 67-143 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 56.9 | 114 | 75-147 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 55.3 | 111 | 75-141 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 45.2 | 90 | 71-141 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 49.9 | 100 | 75-128 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 46.8 | 94 | 61-148 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10150807

| MATRIX SPIKE SAMPLE: | | 938158 | | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|--|
| Parameter | Units | 10150717002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 53.2 | 106 | 65-145 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 48.9 | 98 | 64-135 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 48.3 | 97 | 75-126 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 49.1 | 98 | 75-127 | | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 52.2 | 104 | 70-138 | | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 52.1 | 104 | 75-130 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 53.4 | 107 | 61-150 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 50.7 | 101 | 75-126 | | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 49.5 | 99 | 75-125 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 49.1 | 98 | 75-125 | | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 50.4 | 101 | 50-150 | | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 44.0 | 88 | 50-141 | | |
| 2-Chloroethylvinyl ether | ug/L | ND | 125 | .69J | .6 | 50-150 | M1 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 53.6 | 107 | 75-137 | | |
| 2-Hexanone | ug/L | ND | 50 | 48.7 | 97 | 66-135 | | |
| 2-Methylnaphthalene | ug/L | ND | 25 | 21.8 | 87 | 62-150 | | |
| 4-Chlorotoluene | ug/L | ND | 50 | 53.4 | 107 | 70-144 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 50.6 | 101 | 62-142 | | |
| Acetone | ug/L | ND | 125 | 108 | 87 | 50-150 | | |
| Acrolein | ug/L | ND | 500 | 463 | 93 | 50-150 | | |
| Acrylonitrile | ug/L | ND | 500 | 474 | 95 | 70-135 | | |
| Allyl chloride | ug/L | ND | 50 | 52.5 | 105 | 50-150 | | |
| Benzene | ug/L | ND | 50 | 52.3 | 105 | 75-125 | | |
| Bromobenzene | ug/L | ND | 50 | 50.2 | 100 | 75-125 | | |
| Bromochloromethane | ug/L | ND | 50 | 52.9 | 106 | 73-137 | | |
| Bromodichloromethane | ug/L | ND | 50 | 51.6 | 103 | 70-142 | | |
| Bromoform | ug/L | ND | 50 | 47.3 | 95 | 55-135 | | |
| Bromomethane | ug/L | ND | 50 | 42.7 | 85 | 50-150 | | |
| Carbon disulfide | ug/L | ND | 50 | 53.7 | 107 | 50-150 | | |
| Carbon tetrachloride | ug/L | ND | 50 | 57.6 | 115 | 64-150 | | |
| Chlorobenzene | ug/L | ND | 50 | 50.6 | 101 | 75-125 | | |
| Chloroethane | ug/L | ND | 50 | 57.5 | 115 | 59-150 | | |
| Chloroform | ug/L | ND | 50 | 53.9 | 108 | 75-132 | | |
| Chloromethane | ug/L | ND | 50 | 48.1 | 96 | 52-150 | | |
| Chloroprene | ug/L | ND | 50 | 56.7 | 113 | 54-150 | | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 53.6 | 107 | 64-144 | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 49.7 | 99 | 56-150 | | |
| Dibromochloromethane | ug/L | ND | 50 | 49.2 | 98 | 60-138 | | |
| Dibromomethane | ug/L | ND | 50 | 48.5 | 97 | 75-127 | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 58.7 | 117 | 50-150 | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 55.6 | 111 | 74-142 | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50.3 | 101 | 75-127 | | |
| Ethylbenzene | ug/L | ND | 50 | 52.6 | 105 | 75-134 | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 20.3 | 81 | 63-150 | | |
| Iodomethane | ug/L | ND | 50 | 39.2 | 78 | 50-150 | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 53.3 | 107 | 69-147 | | |
| m&p-Xylene | ug/L | ND | 100 | 104 | 104 | 75-133 | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 49.3 | 99 | 73-131 | | |

QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150807

| MATRIX SPIKE SAMPLE: 938158 | | 10150717002 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Methylene Chloride | ug/L | ND | 50 | 46.4 | 93 | 68-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 54.9 | 110 | 59-150 | |
| n-Propylbenzene | ug/L | ND | 50 | 55.0 | 110 | 72-143 | |
| Naphthalene | ug/L | ND | 50 | 46.7 | 93 | 57-148 | |
| o-Xylene | ug/L | ND | 50 | 49.9 | 100 | 75-131 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 53.9 | 108 | 75-137 | |
| sec-Butylbenzene | ug/L | ND | 50 | 54.8 | 110 | 75-144 | |
| Styrene | ug/L | ND | 50 | 49.5 | 99 | 75-134 | |
| tert-Butylbenzene | ug/L | ND | 50 | 53.8 | 108 | 68-150 | |
| Tetrachloroethene | ug/L | ND | 50 | 51.2 | 102 | 75-130 | |
| Tetrahydrofuran | ug/L | ND | 500 | 461 | 92 | 60-148 | |
| Toluene | ug/L | ND | 50 | 50.3 | 101 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 53.2 | 106 | 75-145 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 50.3 | 101 | 50-150 | |
| Trichloroethene | ug/L | ND | 50 | 50.3 | 101 | 73-132 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 62.8 | 126 | 67-150 | |
| Vinyl acetate | ug/L | ND | 50 | 51.5 | 103 | 50-150 | |
| Vinyl chloride | ug/L | ND | 50 | 58.0 | 116 | 63-150 | |
| Xylene (Total) | ug/L | ND | 150 | 154 | 103 | 72-138 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 106 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | | 104 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 103 | 75-125 | |
| Toluene-d8 (S) | % | | | | 103 | 75-125 | |

SAMPLE DUPLICATE: 938159

| Parameter | Units | 10150807002 | Dup | RPD | Max | Qualifiers |
|--------------------------------|-------|-------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | |
| 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.: 10150807

SAMPLE DUPLICATE: 938159

| Parameter | Units | 10150807002 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 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Dichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10150807

SAMPLE DUPLICATE: 938159

| Parameter | Units | 10150807002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 111 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 105 | 106 | .6 | | |
| Dibromofluoromethane (S) | % | 104 | 105 | 1 | | |
| Toluene-d8 (S) | % | 102 | 103 | 2 | | |

QUALIFIERS

Project: CRC City of Rochester

Pace Project No.: 10150807

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10150807

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|-----------|-------------------|------------------|
| 10150807001 | AS-Influent | EPA 624 | MSV/16435 | | |
| 10150807002 | AS-Effluent | EPA 624 | MSV/16435 | | |

CHAIN-OF-CUSTODY / Analytical Request Document

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



Page: 1 of 1

10150807

Section B
Required Client Information:
 Company: Landmark Environmental
 Address: 2042 W. 98th Street
 Bloomington, MN 55431
 Email To: jskramstad@landmarkenv.com
 Phone: 952-887-9601, Fax: 952-887-9605
 ext 205
Report To: Jason Skramstad
Copy To: Eric Gabrielson
Purchase Order No.:
Project Name: City of Rochester
Project Number: CRC

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

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
SITE
 GA IL IN MI NC
LOCATION
 OH SC WI OTHER

| ITEM # | Section D Required Client Information | | MATRIX CODE | SAMPLE TYPE | G-RAB C-COMP | COLLECTED | | | # OF CONTAINERS | PRESERVATIVES | | | | | | Pace Project Number Lab ID. | | |
|--------|---------------------------------------|---|-------------|-------------|--------------|-----------------|------|------|-----------------|--------------------------------|------------------|------|------|---|----------|-----------------------------|---|------------|
| | SAMPLE ID (A-Z, 0-9 / -) | One Character per box. Samples IDs MUST BE UNIQUE | | | | COMPOSITE START | DATE | TIME | | DATE | TIME | DATE | TIME | DATE | TIME | | | |
| 1 | A | S | W | G | | 3/11 | 5:30 | 3 | Unpreserved | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₅ | Methanol | Other | X | 1015080701 |
| 2 | A | S | W | G | | 3/11 | 5:45 | 3 | | | | | | | | | X | 000 |
| 3 | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |

| RELINQUISHED BY / AFFILIATION | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|--|---------|-------|---------------------------|---------|------|--|
| <i>NS</i> | 3/21/11 | 12:16 | <i>NS</i> | 3/21/11 | 1:06 | Temp in °C Received on Y/N Ice Y/N Custody Y/N Sealed Cooler Y/N Samples Intact Y/N |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| SAMPLER NAME AND SIGNATURE | | | | | | |
| PRINT Name of SAMPLER: Eric Gabrielson | | | DATE Signed (MM/DD/YY) | | | |
| SIGNATURE of SAMPLER: <i>Eric Gabrielson</i> | | | | | | |

Additional Comments:



Sample Condition Upon Receipt

Client Name: Landmark Energy

Project # 10150807

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Optional:
Proj. Due Date:
Proj. Name:

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

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

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

Cooler Temperature 1.0 Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 3/2/11 NG

Temp should be above freezing to 6°C Comments:

| | | |
|---|--|---|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>WT</u> | | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Samp # |
| Exceptions: <u>VOA</u> , Coliform, TOC, Oil and Grease, WI-DRO (water) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Initial when completed |
| | | Lot # of added preservative |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 16. <u>2 TB'S - BOTH HAVE HEADSPACE SHARED - 2 PROJECTS</u> |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): <u>020211-1</u> | | |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

[Signature]

Date:

3/3/11

January 28, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10147868

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on January 21, 2011. 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 13

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10147868

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

A2LA cert#

REPORT OF LABORATORY ANALYSIS

Page 2 of 13

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10147868

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10147868001 | DPE-EXHAUST-1513 | Air | 01/20/11 17:00 | 01/21/11 15:26 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester

Pace Project No.: 10147868

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10147868001 | DPE-EXHAUST-1513 | TO-15 | DR1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147868

| Sample: DPE-EXHAUST-1513 | Lab ID: 10147868001 | Collected: 01/20/11 17:00 | Received: 01/21/11 15:26 | Matrix: Air | | | | |
|-----------------------------|---------------------|---------------------------|--------------------------|-------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Acetone | 29.0 | ug/m3 | 0.76 | 1.59 | | 01/26/11 02:06 | 67-64-1 | |
| Benzene | ND | ug/m3 | 1.0 | 1.59 | | 01/26/11 02:06 | 71-43-2 | |
| Benzyl chloride | ND | ug/m3 | 1.7 | 1.59 | | 01/26/11 02:06 | 100-44-7 | |
| Bromodichloromethane | ND | ug/m3 | 2.2 | 1.59 | | 01/26/11 02:06 | 75-27-4 | |
| Bromoform | ND | ug/m3 | 3.3 | 1.59 | | 01/26/11 02:06 | 75-25-2 | |
| Bromomethane | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 74-83-9 | |
| 1,3-Butadiene | ND | ug/m3 | 0.72 | 1.59 | | 01/26/11 02:06 | 106-99-0 | |
| 2-Butanone (MEK) | 41.4 | ug/m3 | 0.95 | 1.59 | | 01/26/11 02:06 | 78-93-3 | |
| Carbon disulfide | ND | ug/m3 | 1.0 | 1.59 | | 01/26/11 02:06 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/m3 | 2.1 | 1.59 | | 01/26/11 02:06 | 56-23-5 | |
| Chlorobenzene | ND | ug/m3 | 1.5 | 1.59 | | 01/26/11 02:06 | 108-90-7 | |
| Chloroethane | ND | ug/m3 | 0.86 | 1.59 | | 01/26/11 02:06 | 75-00-3 | |
| Chloroform | 4.9 | ug/m3 | 1.6 | 1.59 | | 01/26/11 02:06 | 67-66-3 | |
| Chloromethane | ND | ug/m3 | 0.67 | 1.59 | | 01/26/11 02:06 | 74-87-3 | |
| Cyclohexane | ND | ug/m3 | 1.1 | 1.59 | | 01/26/11 02:06 | 110-82-7 | |
| Dibromochloromethane | ND | ug/m3 | 2.7 | 1.59 | | 01/26/11 02:06 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 2.5 | 1.59 | | 01/26/11 02:06 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 1.9 | 1.59 | | 01/26/11 02:06 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 1.9 | 1.59 | | 01/26/11 02:06 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 1.9 | 1.59 | | 01/26/11 02:06 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/m3 | 1.6 | 1.59 | | 01/26/11 02:06 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 75-35-4 | |
| cis-1,2-Dichloroethene | 36.3 | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/m3 | 1.5 | 1.59 | | 01/26/11 02:06 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 1.5 | 1.59 | | 01/26/11 02:06 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 1.5 | 1.59 | | 01/26/11 02:06 | 10061-02-6 | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 2.2 | 1.59 | | 01/26/11 02:06 | 76-14-2 | |
| Ethanol | 286 | ug/m3 | 75.5 | 39.75 | | 01/27/11 16:26 | 64-17-5 | |
| Ethyl acetate | 3.4 | ug/m3 | 1.2 | 1.59 | | 01/26/11 02:06 | 141-78-6 | |
| Ethylbenzene | 2.0 | ug/m3 | 1.4 | 1.59 | | 01/26/11 02:06 | 100-41-4 | |
| 4-Ethyltoluene | ND | ug/m3 | 4.0 | 1.59 | | 01/26/11 02:06 | 622-96-8 | |
| n-Heptane | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 142-82-5 | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 3.5 | 1.59 | | 01/26/11 02:06 | 87-68-3 | |
| n-Hexane | ND | ug/m3 | 1.1 | 1.59 | | 01/26/11 02:06 | 110-54-3 | |
| 2-Hexanone | ND | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 591-78-6 | |
| Methylene Chloride | 101 | ug/m3 | 1.1 | 1.59 | | 01/26/11 02:06 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | 8.3 | ug/m3 | 1.3 | 1.59 | | 01/26/11 02:06 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/m3 | 1.2 | 1.59 | | 01/26/11 02:06 | 1634-04-4 | |
| Naphthalene | ND | ug/m3 | 4.3 | 1.59 | | 01/26/11 02:06 | 91-20-3 | |
| 2-Propanol | 21.9 | ug/m3 | 4.0 | 1.59 | | 01/26/11 02:06 | 67-63-0 | |
| Propylene | ND | ug/m3 | 0.56 | 1.59 | | 01/26/11 02:06 | 115-07-1 | |
| Styrene | ND | ug/m3 | 1.4 | 1.59 | | 01/26/11 02:06 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 2.2 | 1.59 | | 01/26/11 02:06 | 79-34-5 | |
| Tetrachloroethene | 5040 | ug/m3 | 55.6 | 39.75 | | 01/27/11 16:26 | 127-18-4 | |

Date: 01/28/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147868

| Sample: DPE-EXHAUST-1513 | | Lab ID: 10147868001 | Collected: 01/20/11 17:00 | Received: 01/21/11 15:26 | Matrix: Air | | | |
|---------------------------------|--------------|----------------------------|---------------------------|--------------------------|-------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | 6.3 | ug/m3 | 0.95 | 1.59 | | 01/26/11 02:06 | 109-99-9 | SS |
| Toluene | 12.3 | ug/m3 | 1.2 | 1.59 | | 01/26/11 02:06 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 1.6 | 1.59 | | 01/26/11 02:06 | 120-82-1 | |
| 1,1,1-Trichloroethane | 20.8 | ug/m3 | 1.7 | 1.59 | | 01/26/11 02:06 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 1.7 | 1.59 | | 01/26/11 02:06 | 79-00-5 | |
| Trichloroethene | 14.8 | ug/m3 | 1.7 | 1.59 | | 01/26/11 02:06 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 1.7 | 1.59 | | 01/26/11 02:06 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 56200 | ug/m3 | 1020 | 636 | | 01/28/11 07:47 | 76-13-1 | A3 |
| 1,2,4-Trimethylbenzene | 3.3 | ug/m3 | 1.6 | 1.59 | | 01/26/11 02:06 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 1.6 | 1.59 | | 01/26/11 02:06 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 1.1 | 1.59 | | 01/26/11 02:06 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 0.83 | 1.59 | | 01/26/11 02:06 | 75-01-4 | |
| m&p-Xylene | 6.9 | ug/m3 | 2.8 | 1.59 | | 01/26/11 02:06 | 179601-23-1 | |
| o-Xylene | 5.8 | ug/m3 | 1.4 | 1.59 | | 01/26/11 02:06 | 95-47-6 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10147868

QC Batch: AIR/11620 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10147868001

METHOD BLANK: 922560 Matrix: Air
Associated Lab Samples: 10147868001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 01/25/11 16:00 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 01/25/11 16:00 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 01/25/11 16:00 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 01/25/11 16:00 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 01/25/11 16:00 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 01/25/11 16:00 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 01/25/11 16:00 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 1.0 | 01/25/11 16:00 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 01/25/11 16:00 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 01/25/11 16:00 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 01/25/11 16:00 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 01/25/11 16:00 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 1.0 | 01/25/11 16:00 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 01/25/11 16:00 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 01/25/11 16:00 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 01/25/11 16:00 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 01/25/11 16:00 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 01/25/11 16:00 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 01/25/11 16:00 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 01/25/11 16:00 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 01/25/11 16:00 | |
| Acetone | ug/m3 | ND | 0.48 | 01/25/11 16:00 | |
| Benzene | ug/m3 | ND | 0.65 | 01/25/11 16:00 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 01/25/11 16:00 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 01/25/11 16:00 | |
| Bromoform | ug/m3 | ND | 2.1 | 01/25/11 16:00 | |
| Bromomethane | ug/m3 | ND | 0.79 | 01/25/11 16:00 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 01/25/11 16:00 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 01/25/11 16:00 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 01/25/11 16:00 | |
| Chloroethane | ug/m3 | ND | 0.54 | 01/25/11 16:00 | |
| Chloroform | ug/m3 | ND | 0.99 | 01/25/11 16:00 | |
| Chloromethane | ug/m3 | ND | 0.42 | 01/25/11 16:00 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 01/25/11 16:00 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 01/25/11 16:00 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 01/25/11 16:00 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 01/25/11 16:00 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 01/25/11 16:00 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 01/25/11 16:00 | |
| Ethanol | ug/m3 | ND | 1.9 | 01/25/11 16:00 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 01/25/11 16:00 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 01/25/11 16:00 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 01/25/11 16:00 | |

Date: 01/28/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10147868

METHOD BLANK: 922560 Matrix: Air

Associated Lab Samples: 10147868001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 01/25/11 16:00 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 01/25/11 16:00 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 01/25/11 16:00 | |
| n-Heptane | ug/m3 | ND | 0.83 | 01/25/11 16:00 | |
| n-Hexane | ug/m3 | ND | 0.72 | 01/25/11 16:00 | |
| Naphthalene | ug/m3 | ND | 2.7 | 01/25/11 16:00 | |
| o-Xylene | ug/m3 | ND | 0.88 | 01/25/11 16:00 | |
| Propylene | ug/m3 | ND | 0.35 | 01/25/11 16:00 | |
| Styrene | ug/m3 | ND | 0.87 | 01/25/11 16:00 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 01/25/11 16:00 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 01/25/11 16:00 | |
| Toluene | ug/m3 | ND | 0.77 | 01/25/11 16:00 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 01/25/11 16:00 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 01/25/11 16:00 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 01/25/11 16:00 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 01/25/11 16:00 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 01/25/11 16:00 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 01/25/11 16:00 | |

LABORATORY CONTROL SAMPLE: 922561

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 58.4 | 105 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 64.9 | 93 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 59.3 | 107 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 80.8 | 104 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 42.7 | 104 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 34.4 | 85 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 115 | 152 | 30-150 | CH,L3 |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 53.2 | 106 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 83.3 | 107 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 69.4 | 113 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 43.8 | 107 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 47.1 | 100 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 50.6 | 101 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 18.4 | 82 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 60.5 | 99 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 60.0 | 98 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 32.5 | 108 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 44.4 | 107 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 25.8 | 109 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 51.1 | 102 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 39.7 | 95 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 24.9 | 103 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 33.8 | 104 | 71-125 | |

Date: 01/28/2011 02:15 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147868

LABORATORY CONTROL SAMPLE: 922561

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 55.7 | 106 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 70.6 | 104 | 66-136 | |
| Bromoform | ug/m3 | 105 | 107 | 102 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 32.3 | 82 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 33.6 | 106 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 69.1 | 108 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 50.7 | 108 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 26.5 | 99 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 51.6 | 104 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 20.8 | 99 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 35.7 | 89 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 43.6 | 94 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 30.1 | 86 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 94.8 | 109 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 52.2 | 104 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 73.9 | 104 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 17.5 | 91 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 33.7 | 92 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 47.1 | 107 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 183 | 169 | 30-150 | CH,L3 |
| m&p-Xylene | ug/m3 | 88.3 | 98.3 | 111 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 32.9 | 90 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 35.5 | 101 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 41.2 | 99 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 37.9 | 106 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 71.7 | 134 | 30-150 | CH |
| o-Xylene | ug/m3 | 44.2 | 46.9 | 106 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 18.0 | 103 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 42.1 | 97 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 73.6 | 107 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 26.5 | 88 | 51-125 | SS |
| Toluene | ug/m3 | 38.3 | 40.5 | 106 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 34.7 | 86 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 46.8 | 101 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 54.1 | 99 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 60.0 | 105 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 33.9 | 95 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 21.6 | 83 | 66-125 | |

SAMPLE DUPLICATE: 922919

| Parameter | Units | 10147376024 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | ND | ND | | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147868

SAMPLE DUPLICATE: 922919

| Parameter | Units | 10147376024 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | 10 | 9.8 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 3.3 | 3.3 | .3 | 30 | |
| 1,3-Butadiene | ug/m3 | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | ND | ND | | 30 | |
| 2-Hexanone | ug/m3 | ND | ND | | 30 | |
| 2-Propanol | ug/m3 | 6.1 | 6.1 | .6 | 30 | |
| 4-Ethyltoluene | ug/m3 | ND | 3.1J | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | ND | | 30 | |
| Acetone | ug/m3 | 7.2 | 7.1 | .8 | 30 | |
| Benzene | ug/m3 | ND | ND | | 30 | |
| Benzyl chloride | ug/m3 | ND | ND | | 30 | |
| Bromodichloromethane | ug/m3 | ND | ND | | 30 | |
| Bromoform | ug/m3 | ND | ND | | 30 | |
| Bromomethane | ug/m3 | ND | ND | | 30 | |
| Carbon disulfide | ug/m3 | ND | ND | | 30 | |
| Carbon tetrachloride | ug/m3 | ND | ND | | 30 | |
| Chlorobenzene | ug/m3 | ND | ND | | 30 | |
| Chloroethane | ug/m3 | ND | ND | | 30 | |
| Chloroform | ug/m3 | ND | ND | | 30 | |
| Chloromethane | ug/m3 | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Cyclohexane | ug/m3 | ND | ND | | 30 | |
| Dibromochloromethane | ug/m3 | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | 1.4 | 1.4 | .7 | 30 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | ND | | 30 | |
| Ethanol | ug/m3 | 41.8 | 41.2 | 1 | 30 | |
| Ethyl acetate | ug/m3 | ND | ND | | 30 | |
| Ethylbenzene | ug/m3 | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | ND | | 30 | |
| m&p-Xylene | ug/m3 | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/m3 | ND | ND | | 30 | |
| Methylene Chloride | ug/m3 | 6.2 | 6.6 | 7 | 30 | |
| n-Heptane | ug/m3 | ND | ND | | 30 | |
| n-Hexane | ug/m3 | ND | ND | | 30 | |
| Naphthalene | ug/m3 | ND | ND | | 30 | |
| o-Xylene | ug/m3 | ND | ND | | 30 | |
| Propylene | ug/m3 | ND | ND | | 30 | |
| Styrene | ug/m3 | ND | ND | | 30 | |
| Tetrachloroethene | ug/m3 | ND | ND | | 30 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147868

SAMPLE DUPLICATE: 922919

| Parameter | Units | 10147376024 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrahydrofuran | ug/m3 | ND | ND | | 30 | |
| Toluene | ug/m3 | 1.1 | 1.1 | 1 | 30 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Trichloroethene | ug/m3 | 1.3J | 1.5 | | 30 | |
| Trichlorofluoromethane | ug/m3 | ND | ND | | 30 | |
| Vinyl acetate | ug/m3 | ND | ND | | 30 | |
| Vinyl chloride | ug/m3 | ND | ND | | 30 | |

QUALIFIERS

Project: CRC City of Rochester

Pace Project No.: 10147868

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|---|
| A3 | The sample was analyzed by serial dilution. |
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| SS | This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester

Pace Project No.: 10147868

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10147868001 | DPE-EXHAUST-1513 | TO-15 | AIR/11620 | | |



AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10147868

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: 1-21-11 [Signature]

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

Samples Received: 1CAN, 1FC

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|--------------------|-------------|------------------|---------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>DPE-EXHAUST</u> | <u>IS13</u> | | <u>FC0216</u> | | | | |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: Diane Anderson Date: 1/21/11

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)
A106 Rev.01 (22May2009)

January 31, 2011

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

RE: Project: CRC City of Rochester
Pace Project No.: 10147873

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on January 21, 2011. 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10147873

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

A2LA Certification #: 2926.01

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

A2LA cert#

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10147873

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 10147873001 | AS-Influent | Water | 01/20/11 11:00 | 01/21/11 15:26 |
| 10147873002 | AS-Effluent | Water | 01/20/11 11:08 | 01/21/11 15:26 |
| 10147873003 | Trip Blank | Water | | 01/21/11 15:26 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester

Pace Project No.: 10147873

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|---------|----------|-------------------|
| 10147873001 | AS-Influent | EPA 624 | ECB | 82 |
| 10147873002 | AS-Effluent | EPA 624 | ECB | 82 |
| 10147873003 | Trip Blank | EPA 624 | ECB | 82 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: AS-Influent | | Lab ID: 10147873001 | Collected: 01/20/11 11:00 | Received: 01/21/11 15:26 | Matrix: Water | | | |
|-----------------------------|---------|----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 01/28/11 13:02 | 67-64-1 | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 01/28/11 13:02 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 01/28/11 13:02 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 01/28/11 13:02 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 98-06-6 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 1 | | 01/28/11 13:02 | 110-75-8 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 74-87-3 | |
| Chloroprene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 13:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 01/28/11 13:02 | 87-68-3 | |

Date: 01/31/2011 09:51 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: AS-Influent | Lab ID: 10147873001 | Collected: 01/20/11 11:00 | Received: 01/21/11 15:26 | 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 | | 01/28/11 13:02 | 591-78-6 | |
| Iodomethane | ND ug/L | | 4.0 | 1 | | 01/28/11 13:02 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 01/28/11 13:02 | 75-09-2 | |
| 2-Methylnaphthalene | ND ug/L | | 5.0 | 1 | | 01/28/11 13:02 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 01/28/11 13:02 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 1634-04-4 | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 01/28/11 13:02 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 79-34-5 | |
| Tetrachloroethene | 51.8 ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 01/28/11 13:02 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 108-67-8 | |
| Vinyl acetate | ND ug/L | | 20.0 | 1 | | 01/28/11 13:02 | 108-05-4 | CL |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 01/28/11 13:02 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 01/28/11 13:02 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 01/28/11 13:02 | 179601-23-1 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 01/28/11 13:02 | 95-47-6 | |
| Dibromofluoromethane (S) | 101 % | | 75-125 | 1 | | 01/28/11 13:02 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 95 % | | 75-125 | 1 | | 01/28/11 13:02 | 460-00-4 | |
| Toluene-d8 (S) | 97 % | | 75-125 | 1 | | 01/28/11 13:02 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 % | | 75-125 | 1 | | 01/28/11 13:02 | 17060-07-0 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: AS-Effluent | Lab ID: 10147873002 | Collected: 01/20/11 11:08 | Received: 01/21/11 15:26 | Matrix: Water | | | | |
|-----------------------------|---------------------|----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Acetone | ND ug/L | | 25.0 | 1 | | 01/28/11 11:57 | 67-64-1 | |
| Acrolein | ND ug/L | | 10.0 | 1 | | 01/28/11 11:57 | 107-02-8 | M1 |
| Acrylonitrile | ND ug/L | | 10.0 | 1 | | 01/28/11 11:57 | 107-13-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 01/28/11 11:57 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 98-06-6 | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-15-0 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 01/28/11 11:57 | 110-75-8 | M1 |
| Chloroform | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 74-87-3 | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 126-99-8 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 87-68-3 | |

Date: 01/31/2011 09:51 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: AS-Effluent | Lab ID: 10147873002 | Collected: 01/20/11 11:08 | Received: 01/21/11 15:26 | 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 | | 01/28/11 11:57 | 591-78-6 | |
| Iodomethane | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 75-09-2 | |
| 2-Methylnaphthalene | ND ug/L | | 5.0 | 1 | | 01/28/11 11:57 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 1634-04-4 | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 01/28/11 11:57 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 79-34-5 | |
| Tetrachloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 01/28/11 11:57 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 108-67-8 | |
| Vinyl acetate | ND ug/L | | 20.0 | 1 | | 01/28/11 11:57 | 108-05-4 | CL |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 01/28/11 11:57 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 01/28/11 11:57 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 01/28/11 11:57 | 179601-23-1 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 01/28/11 11:57 | 95-47-6 | |
| Dibromofluoromethane (S) | 101 % | | 75-125 | 1 | | 01/28/11 11:57 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 93 % | | 75-125 | 1 | | 01/28/11 11:57 | 460-00-4 | |
| Toluene-d8 (S) | 93 % | | 75-125 | 1 | | 01/28/11 11:57 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 99 % | | 75-125 | 1 | | 01/28/11 11:57 | 17060-07-0 | |

ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: Trip Blank | | Lab ID: 10147873003 | Collected: | Received: 01/21/11 15:26 | Matrix: Water | | | |
|-----------------------------|---------|----------------------------|--------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Acetone | ND | ug/L | 25.0 | 1 | | 01/28/11 11:36 | 67-64-1 | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 01/28/11 11:36 | 107-02-8 | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 01/28/11 11:36 | 107-13-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 01/28/11 11:36 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 98-06-6 | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 1 | | 01/28/11 11:36 | 110-75-8 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 74-87-3 | |
| Chloroprene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 126-99-8 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 87-68-3 | |

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10147873

| Sample: Trip Blank | | Lab ID: 10147873003 | Collected: | Received: 01/21/11 15:26 | 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 | | 01/28/11 11:36 | 591-78-6 | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 75-09-2 | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 01/28/11 11:36 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 01/28/11 11:36 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 01/28/11 11:36 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 01/28/11 11:36 | 108-05-4 | CL |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 01/28/11 11:36 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 01/28/11 11:36 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 01/28/11 11:36 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 01/28/11 11:36 | 95-47-6 | |
| Dibromofluoromethane (S) | 99 | % | 75-125 | 1 | | 01/28/11 11:36 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 93 | % | 75-125 | 1 | | 01/28/11 11:36 | 460-00-4 | |
| Toluene-d8 (S) | 96 | % | 75-125 | 1 | | 01/28/11 11:36 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 103 | % | 75-125 | 1 | | 01/28/11 11:36 | 17060-07-0 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

QC Batch: MSV/16275 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10147873001, 10147873002, 10147873003

METHOD BLANK: 923671 Matrix: Water

Associated Lab Samples: 10147873001, 10147873002, 10147873003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 01/28/11 11:14 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 2-Hexanone | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| 2-Methylnaphthalene | ug/L | ND | 5.0 | 01/28/11 11:14 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Acetone | ug/L | ND | 25.0 | 01/28/11 11:14 | |
| Acrolein | ug/L | ND | 10.0 | 01/28/11 11:14 | |
| Acrylonitrile | ug/L | ND | 10.0 | 01/28/11 11:14 | |
| Allyl chloride | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Benzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Bromobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Bromochloromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Bromoform | ug/L | ND | 8.0 | 01/28/11 11:14 | |
| Bromomethane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Carbon disulfide | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Chlorobenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Chloroethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Project No.: 10147873

METHOD BLANK: 923671 Matrix: Water

Associated Lab Samples: 10147873001, 10147873002, 10147873003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Chloroform | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Chloromethane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Chloroprene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Dibromomethane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Ethylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Iodomethane | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| m&p-Xylene | ug/L | ND | 2.0 | 01/28/11 11:14 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Methylene Chloride | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Naphthalene | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| o-Xylene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Styrene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 01/28/11 11:14 | |
| Toluene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 01/28/11 11:14 | |
| Trichloroethene | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 01/28/11 11:14 | |
| Vinyl acetate | ug/L | ND | 20.0 | 01/28/11 11:14 | CL |
| Vinyl chloride | ug/L | ND | 0.40 | 01/28/11 11:14 | |
| Xylene (Total) | ug/L | ND | 3.0 | 01/28/11 11:14 | |
| 1,2-Dichloroethane-d4 (S) | % | 100 | 75-125 | 01/28/11 11:14 | |
| 4-Bromofluorobenzene (S) | % | 93 | 75-125 | 01/28/11 11:14 | |
| Dibromofluoromethane (S) | % | 104 | 75-125 | 01/28/11 11:14 | |
| Toluene-d8 (S) | % | 99 | 75-125 | 01/28/11 11:14 | |

LABORATORY CONTROL SAMPLE: 923672

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 45.4 | 91 | 75-129 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 45.3 | 91 | 73-144 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

LABORATORY CONTROL SAMPLE: 923672

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 40.4 | 81 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 46.8 | 94 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 46.6 | 93 | 75-143 | |
| 1,1-Dichloroethane | ug/L | 50 | 49.8 | 100 | 75-135 | |
| 1,1-Dichloroethene | ug/L | 50 | 47.8 | 96 | 75-133 | |
| 1,1-Dichloropropene | ug/L | 50 | 46.5 | 93 | 75-131 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 46.3 | 93 | 73-141 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 44.3 | 89 | 75-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 44.3 | 89 | 70-148 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 46.5 | 93 | 75-141 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 38.0 | 76 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 47.9 | 96 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 46.3 | 93 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.6 | 95 | 75-136 | |
| 1,2-Dichloropropane | ug/L | 50 | 48.4 | 97 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 47.7 | 95 | 75-141 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 46.7 | 93 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 48.1 | 96 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 46.6 | 93 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 32.0 | 64 | 50-150 | |
| 2-Butanone (MEK) | ug/L | 50 | 46.6 | 93 | 58-138 | |
| 2-Chloroethylvinyl ether | ug/L | 125 | 119 | 96 | 50-150 | |
| 2-Chlorotoluene | ug/L | 50 | 46.9 | 94 | 75-132 | |
| 2-Hexanone | ug/L | 50 | 45.0 | 90 | 65-135 | |
| 2-Methylnaphthalene | ug/L | 25 | 21.0 | 84 | 62-150 | |
| 4-Chlorotoluene | ug/L | 50 | 47.1 | 94 | 75-135 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 44.6 | 89 | 69-137 | |
| Acetone | ug/L | 125 | 115 | 92 | 52-141 | |
| Acrolein | ug/L | 500 | 497 | 99 | 50-150 | |
| Acrylonitrile | ug/L | 500 | 494 | 99 | 75-130 | |
| Allyl chloride | ug/L | 50 | 45.5 | 91 | 68-150 | |
| Benzene | ug/L | 50 | 47.9 | 96 | 75-125 | |
| Bromobenzene | ug/L | 50 | 47.4 | 95 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 47.1 | 94 | 75-129 | |
| Bromodichloromethane | ug/L | 50 | 45.2 | 90 | 75-142 | |
| Bromoform | ug/L | 50 | 40.1 | 80 | 66-135 | |
| Bromomethane | ug/L | 50 | 54.1 | 108 | 57-150 | |
| Carbon disulfide | ug/L | 50 | 49.9 | 100 | 65-132 | |
| Carbon tetrachloride | ug/L | 50 | 41.4 | 83 | 75-148 | |
| Chlorobenzene | ug/L | 50 | 47.8 | 96 | 75-125 | |
| Chloroethane | ug/L | 50 | 49.4 | 99 | 66-142 | |
| Chloroform | ug/L | 50 | 45.5 | 91 | 75-131 | |
| Chloromethane | ug/L | 50 | 49.9 | 100 | 52-147 | |
| Chloroprene | ug/L | 50 | 47.1 | 94 | 71-147 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 46.2 | 92 | 75-126 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 45.3 | 91 | 69-150 | |
| Dibromochloromethane | ug/L | 50 | 43.2 | 86 | 73-138 | |
| Dibromomethane | ug/L | 50 | 46.3 | 93 | 75-127 | |

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

LABORATORY CONTROL SAMPLE: 923672

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Dichlorodifluoromethane | ug/L | 50 | 45.5 | 91 | 50-150 | |
| Dichlorofluoromethane | ug/L | 50 | 50.2 | 100 | 75-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 46.3 | 93 | 75-126 | |
| Ethylbenzene | ug/L | 50 | 47.9 | 96 | 75-132 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 24.0 | 96 | 75-129 | |
| Iodomethane | ug/L | 50 | 54.6 | 109 | 73-150 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 47.3 | 95 | 75-142 | |
| m&p-Xylene | ug/L | 100 | 99.5 | 100 | 75-131 | |
| Methyl-tert-butyl ether | ug/L | 50 | 44.4 | 89 | 75-130 | |
| Methylene Chloride | ug/L | 50 | 46.7 | 93 | 71-125 | |
| n-Butylbenzene | ug/L | 50 | 45.0 | 90 | 70-148 | |
| n-Propylbenzene | ug/L | 50 | 46.6 | 93 | 75-136 | |
| Naphthalene | ug/L | 50 | 43.1 | 86 | 69-145 | |
| o-Xylene | ug/L | 50 | 50.2 | 100 | 75-129 | |
| p-Isopropyltoluene | ug/L | 50 | 46.9 | 94 | 75-132 | |
| sec-Butylbenzene | ug/L | 50 | 46.9 | 94 | 75-136 | |
| Styrene | ug/L | 50 | 48.1 | 96 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 46.6 | 93 | 75-135 | |
| Tetrachloroethene | ug/L | 50 | 48.5 | 97 | 75-125 | |
| Tetrahydrofuran | ug/L | 500 | 425 | 85 | 63-144 | |
| Toluene | ug/L | 50 | 47.9 | 96 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 46.6 | 93 | 72-135 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 43.9 | 88 | 62-150 | |
| Trichloroethene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 49.1 | 98 | 67-150 | |
| Vinyl acetate | ug/L | 50 | 28.0 | 56 | 55-150 | CL |
| Vinyl chloride | ug/L | 50 | 49.5 | 99 | 63-147 | |
| Xylene (Total) | ug/L | 150 | 150 | 100 | 75-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 97 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | 95 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 99 | 75-125 | |
| Toluene-d8 (S) | % | | | 103 | 75-125 | |

MATRIX SPIKE SAMPLE: 923778

| Parameter | Units | 10147873002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 46.5 | 93 | 70-136 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 46.9 | 94 | 68-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 44.7 | 89 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 49.1 | 98 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 56.4 | 113 | 75-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 49.9 | 100 | 67-143 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 51.3 | 103 | 75-147 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 47.6 | 95 | 75-141 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 48.1 | 96 | 71-141 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 46.6 | 93 | 75-128 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 44.5 | 89 | 61-148 | |

Date: 01/31/2011 09:51 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

| MATRIX SPIKE SAMPLE: | | 923778 | | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|--|
| Parameter | Units | 10147873002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 44.6 | 89 | 65-145 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 45.7 | 91 | 64-135 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 49.1 | 98 | 75-126 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 46.3 | 93 | 75-127 | | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 48.3 | 97 | 70-138 | | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 49.1 | 98 | 75-130 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 46.9 | 94 | 61-150 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 47.5 | 95 | 75-126 | | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 48.5 | 97 | 75-125 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 46.7 | 93 | 75-125 | | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 31.1 | 62 | 50-150 | | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 40.0 | 80 | 50-141 | | |
| 2-Chloroethylvinyl ether | ug/L | ND | 125 | .81J | .6 | 50-150 | M1 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 47.6 | 95 | 75-137 | | |
| 2-Hexanone | ug/L | ND | 50 | 43.3 | 87 | 66-135 | | |
| 2-Methylnaphthalene | ug/L | ND | 25 | 22.7 | 91 | 62-150 | | |
| 4-Chlorotoluene | ug/L | ND | 50 | 48.0 | 96 | 70-144 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 49.1 | 98 | 62-142 | | |
| Acetone | ug/L | ND | 125 | 84.5 | 68 | 50-150 | | |
| Acrolein | ug/L | ND | 500 | 823 | 165 | 50-150 | M1 | |
| Acrylonitrile | ug/L | ND | 500 | 492 | 98 | 70-135 | | |
| Allyl chloride | ug/L | ND | 50 | 47.0 | 94 | 50-150 | | |
| Benzene | ug/L | ND | 50 | 48.7 | 97 | 75-125 | | |
| Bromobenzene | ug/L | ND | 50 | 48.6 | 97 | 75-125 | | |
| Bromochloromethane | ug/L | ND | 50 | 46.9 | 94 | 73-137 | | |
| Bromodichloromethane | ug/L | ND | 50 | 46.2 | 92 | 70-142 | | |
| Bromoform | ug/L | ND | 50 | 45.0 | 90 | 55-135 | | |
| Bromomethane | ug/L | ND | 50 | 53.5 | 107 | 50-150 | | |
| Carbon disulfide | ug/L | ND | 50 | 47.7 | 95 | 50-150 | | |
| Carbon tetrachloride | ug/L | ND | 50 | 45.2 | 90 | 64-150 | | |
| Chlorobenzene | ug/L | ND | 50 | 48.7 | 97 | 75-125 | | |
| Chloroethane | ug/L | ND | 50 | 53.2 | 106 | 59-150 | | |
| Chloroform | ug/L | ND | 50 | 45.7 | 91 | 75-132 | | |
| Chloromethane | ug/L | ND | 50 | 51.1 | 102 | 52-150 | | |
| Chloroprene | ug/L | ND | 50 | 46.3 | 93 | 54-150 | | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 45.5 | 91 | 64-144 | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 43.5 | 87 | 56-150 | | |
| Dibromochloromethane | ug/L | ND | 50 | 46.4 | 93 | 60-138 | | |
| Dibromomethane | ug/L | ND | 50 | 47.6 | 95 | 75-127 | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 57.7 | 115 | 50-150 | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 54.6 | 109 | 74-142 | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50.8 | 102 | 75-127 | | |
| Ethylbenzene | ug/L | ND | 50 | 49.9 | 100 | 75-134 | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 24.7 | 99 | 63-150 | | |
| Iodomethane | ug/L | ND | 50 | 55.0 | 110 | 50-150 | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 49.4 | 99 | 69-147 | | |
| m&p-Xylene | ug/L | ND | 100 | 99.4 | 99 | 75-133 | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 46.6 | 93 | 73-131 | | |

QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

| MATRIX SPIKE SAMPLE: 923778 | | 10147873002 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Methylene Chloride | ug/L | ND | 50 | 46.7 | 93 | 68-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 45.2 | 90 | 59-150 | |
| n-Propylbenzene | ug/L | ND | 50 | 47.7 | 95 | 72-143 | |
| Naphthalene | ug/L | ND | 50 | 47.1 | 94 | 57-148 | |
| o-Xylene | ug/L | ND | 50 | 50.5 | 101 | 75-131 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 46.9 | 94 | 75-137 | |
| sec-Butylbenzene | ug/L | ND | 50 | 47.9 | 96 | 75-144 | |
| Styrene | ug/L | ND | 50 | 44.7 | 89 | 75-134 | |
| tert-Butylbenzene | ug/L | ND | 50 | 47.6 | 95 | 68-150 | |
| Tetrachloroethene | ug/L | ND | 50 | 51.5 | 103 | 75-130 | |
| Tetrahydrofuran | ug/L | ND | 500 | 446 | 89 | 60-148 | |
| Toluene | ug/L | ND | 50 | 49.5 | 99 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 47.9 | 96 | 75-145 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 45.3 | 91 | 50-150 | |
| Trichloroethene | ug/L | ND | 50 | 49.7 | 99 | 73-132 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 56.2 | 112 | 67-150 | |
| Vinyl acetate | ug/L | ND | 50 | 28.5 | 57 | 50-150 | CL |
| Vinyl chloride | ug/L | ND | 50 | 52.6 | 105 | 63-150 | |
| Xylene (Total) | ug/L | ND | 150 | 150 | 100 | 72-138 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 99 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | | 94 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 101 | 75-125 | |
| Toluene-d8 (S) | % | | | | 103 | 75-125 | |

SAMPLE DUPLICATE: 923779

| Parameter | Units | 10148013004 | Dup | RPD | Max | Qualifiers |
|--------------------------------|-------|-------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | |
| 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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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

SAMPLE DUPLICATE: 923779

| Parameter | Units | 10148013004 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 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Dichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10147873

SAMPLE DUPLICATE: 923779

| Parameter | Units | 10148013004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | CL |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 98 | 105 | 7 | | |
| 4-Bromofluorobenzene (S) | % | 94 | 94 | .3 | | |
| Dibromofluoromethane (S) | % | 101 | 99 | 1 | | |
| Toluene-d8 (S) | % | 97 | 96 | 1 | | |

QUALIFIERS

Project: CRC City of Rochester

Pace Project No.: 10147873

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|--|
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester
Pace Project No.: 10147873

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|-----------|-------------------|------------------|
| 10147873001 | AS-Influent | EPA 624 | MSV/16275 | | |
| 10147873002 | AS-Effluent | EPA 624 | MSV/16275 | | |
| 10147873003 | Trip Blank | EPA 624 | MSV/16275 | | |



CHAIN-OF-CUSTODY / Analytical Request Document

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

10147873

Section A Required Client Information: **Section B** Required Project Information: **Section C** Invoice Information:

Company: Landmark Environmental
 Address: 2042 W. 98th Street
 Bloomington, MN 55431
 Copy To: Eric Gabrielson
 Purchase Order No.:
 Address: 2042 W. 98th St., Bloomington, MN 55431
 Pace Quote Reference:
 Pace Project Manager: Carolynne Trout
 Pace Profile #:

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
SITE LOCATION
 GA IL IN MI NC
 OH SC WI OTHER

| ITEM # | Section D Required Client Information SAMPLE ID One Character per box (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE | Valid Matrix Codes MATERIALS DRINKING WATER WATER WASTE WATER WASTEWATER SEWAGE SOIL/SLUDG DIE OIL AIR OTHER TISSUE | CODE DW WW PW SL CW TS | MATRIX CODE | SAMPLE TYPE G+GRAB C=COMP | COLLECTED | | | SAMPLE TEMP AT COLLECTION | #OF CONTAINERS | Preservatives | | | | | | | Filtered (Y/N) | Requested Ant | Pace Project Number Lab ID. |
|--------|--|---|--|-------------|------------------------------|----------------------|-------------------------|------|---------------------------|----------------|---------------|--------------------------------|------------------|-----|------|---|----------|----------------|---------------|-----------------------------|
| | | | | | | COMPOSITE START DATE | COMPOSITE END/GRAB DATE | TIME | | | UNPRESERVED | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₃ | Methanol | | | |
| 1 | A S - I n f l u e n t | | | W | G | 1/20/11 | 11:00 | | 3 | | | | | | | | | X | 051 | |
| 2 | A S - E f f l u e n t | | | W | G | 1/20/11 | 11:08 | | 3 | | | | | | | | | X | 002 | |
| 3 | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | |

Additional Comments:

RELINQUISHED BY / AFFILIATION: _____ DATE: _____ TIME: _____
 ACCEPTED BY / AFFILIATION: *AS* DATE: *1/21/11* TIME: *15:26*
 SAMPLE NAME AND SIGNATURE: _____
 PRINT Name of SAMPLER: *Eric Gabrielson*
 SIGNATURE of SAMPLER: *[Signature]* DATE Signed (MM/DD/YY): _____
 Temp in °C: _____
 Received on Ice: Y N
 Custody Sealed Cooler: Y N
 Samples Intact: Y N



Sample Condition Upon Receipt

Client Name: Lanamma

Project # 10147873

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Optional
Proj. Dir. Date
Proj. Name

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

Thermometer Used 80344042 or 179425 Type of Ice: Wei Blue None Samples on ice, cooling process has begun

Cooler Temperature 0.1

Biological Tissue is Frozen: Yes No

Date and initials of person examining contents: 4/21/11 NS

Temp should be above freezing to 6°C

Comments:

| | | |
|---|--|---|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>WT</u> | | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Samp # |
| Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water) | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Initial when completed |
| | | Lot # of added preservative |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Headpace in VOA Vials (>6mm): | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 15. <u>TB 1/2</u> |
| Trip Blank Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): <u>010511-1</u> | | |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:

Deanne Anderson

Date: 4/21/11

January 03, 2011

Eric Gabrielson
Landmark Environmental
2042 West 98th St.
Minneapolis, MN 55431

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

Dear Eric Gabrielson:

Enclosed are the analytical results for sample(s) received by the laboratory on December 23, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10146052001 | DPE-EXHAUST-0224 | Air | 12/23/10 11:00 | 12/23/10 16:02 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10146052001 | DPE-EXHAUST-0224 | TO-15 | DR1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

| Sample: DPE-EXHAUST-0224 | Lab ID: 10146052001 | Collected: 12/23/10 11:00 | Received: 12/23/10 16:02 | Matrix: Air | | | | |
|-----------------------------|---------------------|---------------------------|--------------------------|-------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Acetone | 78.0 | ug/m3 | 15.9 | 33.2 | | 12/27/10 23:43 | 67-64-1 | |
| Benzene | ND | ug/m3 | 21.6 | 33.2 | | 12/27/10 23:43 | 71-43-2 | |
| Benzyl chloride | ND | ug/m3 | 34.9 | 33.2 | | 12/27/10 23:43 | 100-44-7 | |
| Bromodichloromethane | ND | ug/m3 | 46.5 | 33.2 | | 12/27/10 23:43 | 75-27-4 | |
| Bromoform | ND | ug/m3 | 69.7 | 33.2 | | 12/27/10 23:43 | 75-25-2 | |
| Bromomethane | ND | ug/m3 | 26.2 | 33.2 | | 12/27/10 23:43 | 74-83-9 | |
| 1,3-Butadiene | ND | ug/m3 | 14.9 | 33.2 | | 12/27/10 23:43 | 106-99-0 | |
| 2-Butanone (MEK) | 26.9 | ug/m3 | 19.9 | 33.2 | | 12/27/10 23:43 | 78-93-3 | |
| Carbon disulfide | ND | ug/m3 | 20.9 | 33.2 | | 12/27/10 23:43 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/m3 | 43.2 | 33.2 | | 12/27/10 23:43 | 56-23-5 | |
| Chlorobenzene | ND | ug/m3 | 31.2 | 33.2 | | 12/27/10 23:43 | 108-90-7 | |
| Chloroethane | ND | ug/m3 | 17.9 | 33.2 | | 12/27/10 23:43 | 75-00-3 | |
| Chloroform | ND | ug/m3 | 32.9 | 33.2 | | 12/27/10 23:43 | 67-66-3 | |
| Chloromethane | ND | ug/m3 | 13.9 | 33.2 | | 12/27/10 23:43 | 74-87-3 | |
| Cyclohexane | ND | ug/m3 | 22.6 | 33.2 | | 12/27/10 23:43 | 110-82-7 | |
| Dibromochloromethane | ND | ug/m3 | 56.4 | 33.2 | | 12/27/10 23:43 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 53.1 | 33.2 | | 12/27/10 23:43 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 39.8 | 33.2 | | 12/27/10 23:43 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 39.8 | 33.2 | | 12/27/10 23:43 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 39.8 | 33.2 | | 12/27/10 23:43 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/m3 | 33.2 | 33.2 | | 12/27/10 23:43 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/m3 | 27.2 | 33.2 | | 12/27/10 23:43 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/m3 | 27.2 | 33.2 | | 12/27/10 23:43 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/m3 | 26.9 | 33.2 | | 12/27/10 23:43 | 75-35-4 | |
| cis-1,2-Dichloroethene | 77.3 | ug/m3 | 26.9 | 33.2 | | 12/27/10 23:43 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 26.9 | 33.2 | | 12/27/10 23:43 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/m3 | 31.2 | 33.2 | | 12/27/10 23:43 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 30.5 | 33.2 | | 12/27/10 23:43 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 30.5 | 33.2 | | 12/27/10 23:43 | 10061-02-6 | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 46.5 | 33.2 | | 12/27/10 23:43 | 76-14-2 | |
| Ethanol | 726 | ug/m3 | 63.1 | 33.2 | | 12/27/10 23:43 | 64-17-5 | |
| Ethyl acetate | ND | ug/m3 | 24.2 | 33.2 | | 12/27/10 23:43 | 141-78-6 | |
| Ethylbenzene | ND | ug/m3 | 29.2 | 33.2 | | 12/27/10 23:43 | 100-41-4 | |
| 4-Ethyltoluene | ND | ug/m3 | 83.0 | 33.2 | | 12/27/10 23:43 | 622-96-8 | |
| n-Heptane | ND | ug/m3 | 27.6 | 33.2 | | 12/27/10 23:43 | 142-82-5 | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 73.0 | 33.2 | | 12/27/10 23:43 | 87-68-3 | |
| n-Hexane | ND | ug/m3 | 23.9 | 33.2 | | 12/27/10 23:43 | 110-54-3 | |
| 2-Hexanone | ND | ug/m3 | 27.6 | 33.2 | | 12/27/10 23:43 | 591-78-6 | |
| Methylene Chloride | ND | ug/m3 | 23.6 | 33.2 | | 12/27/10 23:43 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 27.6 | 33.2 | | 12/27/10 23:43 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/m3 | 24.2 | 33.2 | | 12/27/10 23:43 | 1634-04-4 | |
| Naphthalene | ND | ug/m3 | 89.6 | 33.2 | | 12/27/10 23:43 | 91-20-3 | |
| 2-Propanol | ND | ug/m3 | 83.0 | 33.2 | | 12/27/10 23:43 | 67-63-0 | |
| Propylene | ND | ug/m3 | 11.6 | 33.2 | | 12/27/10 23:43 | 115-07-1 | |
| Styrene | ND | ug/m3 | 28.9 | 33.2 | | 12/27/10 23:43 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 46.5 | 33.2 | | 12/27/10 23:43 | 79-34-5 | |
| Tetrachloroethene | 2680 | ug/m3 | 46.5 | 33.2 | | 12/27/10 23:43 | 127-18-4 | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

| Sample: DPE-EXHAUST-0224 | | Lab ID: 10146052001 | Collected: 12/23/10 11:00 | Received: 12/23/10 16:02 | Matrix: Air | | | | |
|--------------------------------|--------------|--------------------------|---------------------------|--------------------------|-------------|----------------|-------------|------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | | |
| Tetrahydrofuran | ND | ug/m3 | 19.9 | 33.2 | | 12/27/10 23:43 | 109-99-9 | | |
| Toluene | ND | ug/m3 | 25.6 | 33.2 | | 12/27/10 23:43 | 108-88-3 | | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 32.9 | 33.2 | | 12/27/10 23:43 | 120-82-1 | | |
| 1,1,1-Trichloroethane | 45.6 | ug/m3 | 36.5 | 33.2 | | 12/27/10 23:43 | 71-55-6 | | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 36.5 | 33.2 | | 12/27/10 23:43 | 79-00-5 | | |
| Trichloroethene | ND | ug/m3 | 36.5 | 33.2 | | 12/27/10 23:43 | 79-01-6 | | |
| Trichlorofluoromethane | ND | ug/m3 | 36.5 | 33.2 | | 12/27/10 23:43 | 75-69-4 | | |
| 1,1,2-Trichlorotrifluoroethane | 42700 | ug/m3 | 425 | 265.6 | | 12/28/10 13:05 | 76-13-1 | A3 | |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 33.2 | 33.2 | | 12/27/10 23:43 | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 33.2 | 33.2 | | 12/27/10 23:43 | 108-67-8 | | |
| Vinyl acetate | ND | ug/m3 | 23.6 | 33.2 | | 12/27/10 23:43 | 108-05-4 | | |
| Vinyl chloride | ND | ug/m3 | 17.3 | 33.2 | | 12/27/10 23:43 | 75-01-4 | | |
| m&p-Xylene | ND | ug/m3 | 58.4 | 33.2 | | 12/27/10 23:43 | 179601-23-1 | | |
| o-Xylene | ND | ug/m3 | 29.2 | 33.2 | | 12/27/10 23:43 | 95-47-6 | | |

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

QC Batch: AIR/11496 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10146052001

METHOD BLANK: 911450 Matrix: Air
Associated Lab Samples: 10146052001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 12/27/10 09:33 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 12/27/10 09:33 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 12/27/10 09:33 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 12/27/10 09:33 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 12/27/10 09:33 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 12/27/10 09:33 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 12/27/10 09:33 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 1.0 | 12/27/10 09:33 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 12/27/10 09:33 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 12/27/10 09:33 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 12/27/10 09:33 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 12/27/10 09:33 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 1.0 | 12/27/10 09:33 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 12/27/10 09:33 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 12/27/10 09:33 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 12/27/10 09:33 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 12/27/10 09:33 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 12/27/10 09:33 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 12/27/10 09:33 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 12/27/10 09:33 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 12/27/10 09:33 | |
| Acetone | ug/m3 | ND | 0.48 | 12/27/10 09:33 | |
| Benzene | ug/m3 | ND | 0.65 | 12/27/10 09:33 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 12/27/10 09:33 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 12/27/10 09:33 | |
| Bromoform | ug/m3 | ND | 2.1 | 12/27/10 09:33 | |
| Bromomethane | ug/m3 | ND | 0.79 | 12/27/10 09:33 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 12/27/10 09:33 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 12/27/10 09:33 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 12/27/10 09:33 | |
| Chloroethane | ug/m3 | ND | 0.54 | 12/27/10 09:33 | |
| Chloroform | ug/m3 | ND | 0.99 | 12/27/10 09:33 | |
| Chloromethane | ug/m3 | ND | 0.42 | 12/27/10 09:33 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 12/27/10 09:33 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 12/27/10 09:33 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 12/27/10 09:33 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 12/27/10 09:33 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 12/27/10 09:33 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 12/27/10 09:33 | |
| Ethanol | ug/m3 | ND | 1.9 | 12/27/10 09:33 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 12/27/10 09:33 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 12/27/10 09:33 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 12/27/10 09:33 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

METHOD BLANK: 911450 Matrix: Air

Associated Lab Samples: 10146052001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 12/27/10 09:33 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 12/27/10 09:33 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 12/27/10 09:33 | |
| n-Heptane | ug/m3 | ND | 0.83 | 12/27/10 09:33 | |
| n-Hexane | ug/m3 | ND | 0.72 | 12/27/10 09:33 | |
| Naphthalene | ug/m3 | ND | 2.7 | 12/27/10 09:33 | |
| o-Xylene | ug/m3 | ND | 0.88 | 12/27/10 09:33 | |
| Propylene | ug/m3 | ND | 0.35 | 12/27/10 09:33 | |
| Styrene | ug/m3 | ND | 0.87 | 12/27/10 09:33 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 12/27/10 09:33 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 12/27/10 09:33 | |
| Toluene | ug/m3 | ND | 0.77 | 12/27/10 09:33 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 12/27/10 09:33 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 12/27/10 09:33 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 12/27/10 09:33 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 12/27/10 09:33 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 12/27/10 09:33 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 12/27/10 09:33 | |

LABORATORY CONTROL SAMPLE: 911451

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 54.3 | 98 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 71.5 | 102 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 56.4 | 102 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 72.8 | 93 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 41.1 | 100 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 41.4 | 103 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 87.1 | 115 | 30-150 | |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 49.8 | 100 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 76.1 | 97 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 62.3 | 102 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 42.6 | 103 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 49.6 | 106 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 50.0 | 100 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 23.3 | 103 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 61.6 | 101 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 64.8 | 106 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 29.5 | 98 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 39.3 | 94 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 25.5 | 107 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 51.2 | 102 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 39.5 | 95 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 23.8 | 99 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 32.5 | 100 | 71-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

LABORATORY CONTROL SAMPLE: 911451

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 54.5 | 104 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 74.5 | 109 | 66-136 | |
| Bromoform | ug/m3 | 105 | 114 | 108 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 36.2 | 92 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 29.4 | 93 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 65.7 | 103 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 45.8 | 98 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 26.1 | 97 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 47.4 | 95 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 20.3 | 97 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 39.4 | 98 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 45.1 | 98 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 36.5 | 104 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 87.6 | 101 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 46.0 | 92 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 65.7 | 92 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 17.7 | 92 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 39.4 | 108 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 49.1 | 111 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 172 | 158 | 30-150 | CH,L3 |
| m&p-Xylene | ug/m3 | 88.3 | 90.6 | 103 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 38.2 | 104 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 31.2 | 88 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 43.1 | 103 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 37.3 | 104 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 64.2 | 120 | 30-150 | |
| o-Xylene | ug/m3 | 44.2 | 48.2 | 109 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 19.0 | 109 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 46.4 | 107 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 70.9 | 103 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 27.6 | 92 | 51-125 | SS |
| Toluene | ug/m3 | 38.3 | 36.4 | 95 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 40.0 | 99 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 44.2 | 96 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 55.1 | 101 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 53.7 | 94 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 37.2 | 104 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 25.4 | 98 | 66-125 | |

SAMPLE DUPLICATE: 911884

| Parameter | Units | 10145759001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | <1.2 | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | <1.6 | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | <1.2 | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | <1.8 | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | <0.91 | ND | | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

SAMPLE DUPLICATE: 911884

| Parameter | Units | 10145759001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | <0.90 | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | <1.1 | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | <1.1 | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | <1.8 | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | <1.3 | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | <0.91 | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | <1.0 | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | <1.1 | ND | | 30 | |
| 1,3-Butadiene | ug/m3 | <0.50 | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | <1.3 | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | <1.3 | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | <0.67 | 1J | | 30 | |
| 2-Hexanone | ug/m3 | <0.92 | ND | | 30 | |
| 2-Propanol | ug/m3 | 5.5J | ND | | 30 | |
| 4-Ethyltoluene | ug/m3 | <2.8 | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | <0.92 | ND | | 30 | |
| Acetone | ug/m3 | 24.6 | 28.7 | 15 | 30 | |
| Benzene | ug/m3 | 1.5 | 1.5 | 3 | 30 | |
| Benzyl chloride | ug/m3 | <1.2 | ND | | 30 | |
| Bromodichloromethane | ug/m3 | <1.6 | ND | | 30 | |
| Bromoform | ug/m3 | <2.3 | ND | | 30 | |
| Bromomethane | ug/m3 | <0.88 | ND | | 30 | |
| Carbon disulfide | ug/m3 | 47.2 | 58.3 | 21 | 30 | |
| Carbon tetrachloride | ug/m3 | <1.4 | ND | | 30 | |
| Chlorobenzene | ug/m3 | <1.0 | ND | | 30 | |
| Chloroethane | ug/m3 | <0.60 | ND | | 30 | |
| Chloroform | ug/m3 | <1.1 | ND | | 30 | |
| Chloromethane | ug/m3 | 0.94 | 1.1 | 11 | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | <0.90 | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | <1.0 | ND | | 30 | |
| Cyclohexane | ug/m3 | 2.5 | 2.5 | 2 | 30 | |
| Dibromochloromethane | ug/m3 | <1.9 | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | 3.0 | 3.2 | 7 | 30 | |
| Dichlorotetrafluoroethane | ug/m3 | <1.6 | ND | | 30 | |
| Ethanol | ug/m3 | 43.0 | 39.9 | 7 | 30 | |
| Ethyl acetate | ug/m3 | <0.81 | ND | | 30 | |
| Ethylbenzene | ug/m3 | <0.98 | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | <2.4 | ND | | 30 | |
| m&p-Xylene | ug/m3 | <2.0 | ND | | 30 | |
| Methyl-tert-butyl ether | ug/m3 | <0.81 | ND | | 30 | |
| Methylene Chloride | ug/m3 | 178 | 196 | 10 | 30 | |
| n-Heptane | ug/m3 | <0.92 | ND | | 30 | |
| n-Hexane | ug/m3 | 51.7 | 68.3 | 28 | 30 | |
| Naphthalene | ug/m3 | <3.0 | ND | | 30 | |
| o-Xylene | ug/m3 | <0.98 | ND | | 30 | |
| Propylene | ug/m3 | <0.39 | 2.8 | | 30 | |
| Styrene | ug/m3 | <0.97 | ND | | 30 | |
| Tetrachloroethene | ug/m3 | <1.6 | ND | | 30 | |

Date: 01/03/2011 04:01 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

SAMPLE DUPLICATE: 911884

| Parameter | Units | 10145759001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrahydrofuran | ug/m3 | <0.67 | ND | | 30 | |
| Toluene | ug/m3 | 4.4 | 4.8 | 9 | 30 | |
| trans-1,2-Dichloroethene | ug/m3 | <0.90 | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | <1.0 | ND | | 30 | |
| Trichloroethene | ug/m3 | 2.1J | 2J | | 30 | |
| Trichlorofluoromethane | ug/m3 | 1.7J | 2J | | 30 | |
| Vinyl acetate | ug/m3 | <0.79 | ND | | 30 | |
| Vinyl chloride | ug/m3 | <0.58 | ND | | 30 | |

QUALIFIERS

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146052

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

A3 The sample was analyzed by serial dilution.

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

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

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146052

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10146052001 | DPE-EXHAUST-0224 | TO-15 | AIR/11496 | | |



AIR Sample Condition Upon Receipt

10146052

Client Name: Landmark Project # _____

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: R 122310

| | | |
|-----------------------------------|--|-----|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Media: <u>Air Cur</u> | | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 |
| <u>DPE</u> | <u>0224</u> | | | | | | |
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Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CTM Date: 12/27/10

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)



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

January 03, 2011

Eric Gabrielson
Landmark Environmental
2042 West 98th St.
Minneapolis, MN 55431

RE: Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Dear Eric Gabrielson:

Enclosed are the analytical results for sample(s) received by the laboratory on December 23, 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

REPORT OF LABORATORY ANALYSIS

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

CERTIFICATIONS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
Alaska Certification #: UST-078
Alaska Certification #MN00064
Arizona Certification #: AZ-0014
Arkansas Certification #: 88-0680
California Certification #: 01155CA
EPA Region 8 Certification #: Pace
Florida/NELAP Certification #: E87605
Georgia Certification #: 959
Idaho Certification #: MN00064
Illinois Certification #: 200011
Iowa Certification #: 368
Kansas Certification #: E-10167
Louisiana Certification #: 03086
Louisiana Certification #: LA080009
Maine Certification #: 2007029
Maryland Certification #: 322
Michigan DEQ Certification #: 9909
Minnesota Certification #: 027-053-137
Mississippi Certification #: Pace

Montana Certification #: MT CERT0092
Nevada Certification #: MN_00064
Nebraska Certification #: Pace
New Jersey Certification #: MN-002
New Mexico Certification #: Pace
New York Certification #: 11647
North Carolina Certification #: 530
North Dakota Certification #: R-036
North Dakota Certification #: R-036A
Ohio VAP Certification #: CL101
Oklahoma Certification #: D9921
Oklahoma Certification #: 9507
Oregon Certification #: MN200001
Pennsylvania Certification #: 68-00563
Puerto Rico Certification
Tennessee Certification #: 02818
Texas Certification #: T104704192
Washington Certification #: C754
Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 10146085001 | DPE-1 | Water | 12/23/10 08:15 | 12/23/10 16:02 |
| 10146085002 | DPE-2 | Water | 12/23/10 09:15 | 12/23/10 16:02 |
| 10146085003 | DPE-3 | Water | 12/23/10 10:15 | 12/23/10 16:02 |
| 10146085004 | DPE-4 | Water | 12/23/10 11:15 | 12/23/10 16:02 |
| 10146085005 | DPE-5 | Water | 12/23/10 12:15 | 12/23/10 16:02 |
| 10146085006 | DPE-6 | Water | 12/23/10 13:15 | 12/23/10 16:02 |
| 10146085007 | DPE-7 | Water | 12/23/10 14:15 | 12/23/10 16:02 |
| 10146085008 | DPE-8 | Water | 12/23/10 15:15 | 12/23/10 16:02 |
| 10146085009 | AS-INFLUENT | Water | 12/23/10 08:00 | 12/23/10 16:02 |
| 10146085010 | AS-EFFLUENT | Water | 12/23/10 08:01 | 12/23/10 16:02 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|----------|----------|-------------------|
| 10146085001 | DPE-1 | EPA 8260 | ECB | 73 |
| 10146085002 | DPE-2 | EPA 8260 | DJT | 73 |
| 10146085003 | DPE-3 | EPA 8260 | DJT | 73 |
| 10146085004 | DPE-4 | EPA 8260 | DJT | 73 |
| 10146085005 | DPE-5 | EPA 8260 | DJT | 73 |
| 10146085006 | DPE-6 | EPA 8260 | ECB | 73 |
| 10146085007 | DPE-7 | EPA 8260 | ECB | 73 |
| 10146085008 | DPE-8 | EPA 8260 | DJT | 73 |
| 10146085009 | AS-INFLUENT | EPA 624 | DJT | 82 |
| 10146085010 | AS-EFFLUENT | EPA 624 | DJT | 82 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-1 | Lab ID: 10146085001 | Collected: 12/23/10 08:15 | Received: 12/23/10 16:02 | 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 | | 12/28/10 03:26 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 107-05-1 | |
| Benzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-27-4 | |
| Bromoform | ND | ug/L | 40.0 | 5 | | 12/28/10 03:26 | 75-25-2 | |
| Bromomethane | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 108-90-7 | |
| Chloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 67-66-3 | |
| Chloromethane | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-35-4 | |
| cis-1,2-Dichloroethene | 11.5 | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 20.0 | 5 | | 12/28/10 03:26 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 1634-04-4 | |

Date: 01/03/2011 04:05 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Sample: DPE-1 Lab ID: 10146085001 Collected: 12/23/10 08:15 Received: 12/23/10 16:02 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 | | 12/28/10 03:26 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 79-34-5 | |
| Tetrachloroethene | 1190 | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 5 | | 12/28/10 03:26 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 37.8 | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 2.0 | 5 | | 12/28/10 03:26 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 15.0 | 5 | | 12/28/10 03:26 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 5 | | 12/28/10 03:26 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 5 | | 12/28/10 03:26 | 95-47-6 | |
| Dibromofluoromethane (S) | 108 | % | 75-130 | 5 | | 12/28/10 03:26 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 109 | % | 75-131 | 5 | | 12/28/10 03:26 | 17060-07-0 | |
| Toluene-d8 (S) | 91 | % | 75-125 | 5 | | 12/28/10 03:26 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 75-125 | 5 | | 12/28/10 03:26 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-2 | Lab ID: 10146085002 | Collected: 12/23/10 09:15 | Received: 12/23/10 16:02 | Matrix: Water | | | | |
|-----------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 500 | 50 | | 12/29/10 09:33 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 107-05-1 | |
| Benzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-27-4 | |
| Bromoform | ND | ug/L | 400 | 50 | | 12/29/10 09:33 | 75-25-2 | |
| Bromomethane | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 108-90-7 | |
| Chloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-00-3 | |
| Chloroform | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 67-66-3 | |
| Chloromethane | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-2 | Lab ID: 10146085002 | Collected: 12/23/10 09:15 | Received: 12/23/10 16:02 | Matrix: Water | | | | |
|----------------------|----------------------------|---------------------------|--------------------------|---------------|----------|----------|---------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |

8260 VOC

Analytical Method: EPA 8260

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-------------|-------|--------------|----|----------|----------------|-------------|------|
| Naphthalene | ND | ug/L | 200 | 50 | | 12/29/10 09:33 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 103-65-1 | |
| Styrene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 79-34-5 | |
| Tetrachloroethene | 4690 | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 500 | 50 | | 12/29/10 09:33 | 109-99-9 | |
| Toluene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 356 | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 20.0 | 50 | | 12/29/10 09:33 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 150 | 50 | | 12/29/10 09:33 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 100 | 50 | | 12/29/10 09:33 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 50.0 | 50 | | 12/29/10 09:33 | 95-47-6 | |
| Dibromofluoromethane (S) | 96 | % | 75-130 | 50 | | 12/29/10 09:33 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 97 | % | 75-131 | 50 | | 12/29/10 09:33 | 17060-07-0 | |
| Toluene-d8 (S) | 89 | % | 75-125 | 50 | | 12/29/10 09:33 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 80 | % | 75-125 | 50 | | 12/29/10 09:33 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Sample: DPE-3 **Lab ID: 10146085003** Collected: 12/23/10 10:15 Received: 12/23/10 16:02 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 | | 12/29/10 09:08 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 107-05-1 | |
| Benzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-27-4 | |
| Bromoform | ND | ug/L | 80.0 | 10 | | 12/29/10 09:08 | 75-25-2 | |
| Bromomethane | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-00-3 | |
| Chloroform | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 67-66-3 | |
| Chloromethane | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 40.0 | 10 | | 12/29/10 09:08 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-3 | | Lab ID: 10146085003 | Collected: 12/23/10 10:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 09:08 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 103-65-1 | |
| Styrene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 79-34-5 | |
| Tetrachloroethene | 1450 | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 100 | 10 | | 12/29/10 09:08 | 109-99-9 | |
| Toluene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 78.8 | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 4.0 | 10 | | 12/29/10 09:08 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 30.0 | 10 | | 12/29/10 09:08 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 20.0 | 10 | | 12/29/10 09:08 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 10.0 | 10 | | 12/29/10 09:08 | 95-47-6 | |
| Dibromofluoromethane (S) | 91 | % | 75-130 | 10 | | 12/29/10 09:08 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 75-131 | 10 | | 12/29/10 09:08 | 17060-07-0 | |
| Toluene-d8 (S) | 86 | % | 75-125 | 10 | | 12/29/10 09:08 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 83 | % | 75-125 | 10 | | 12/29/10 09:08 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Sample: DPE-4 **Lab ID: 10146085004** Collected: 12/23/10 11:15 Received: 12/23/10 16:02 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 | | 12/29/10 05:27 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 107-05-1 | |
| Benzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-27-4 | |
| Bromoform | ND | ug/L | 80.0 | 10 | | 12/29/10 05:27 | 75-25-2 | |
| Bromomethane | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 108-90-7 | |
| Chloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-00-3 | |
| Chloroform | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 67-66-3 | |
| Chloromethane | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 40.0 | 10 | | 12/29/10 05:27 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-4 | Lab ID: 10146085004 | Collected: 12/23/10 11:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 05:27 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 103-65-1 | |
| Styrene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 79-34-5 | |
| Tetrachloroethene | 1100 | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 100 | 10 | | 12/29/10 05:27 | 109-99-9 | |
| Toluene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 39.4 | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 4.0 | 10 | | 12/29/10 05:27 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 30.0 | 10 | | 12/29/10 05:27 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 20.0 | 10 | | 12/29/10 05:27 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 10.0 | 10 | | 12/29/10 05:27 | 95-47-6 | |
| Dibromofluoromethane (S) | 95 | % | 75-130 | 10 | | 12/29/10 05:27 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 100 | % | 75-131 | 10 | | 12/29/10 05:27 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 10 | | 12/29/10 05:27 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 78 | % | 75-125 | 10 | | 12/29/10 05:27 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-5 | Lab ID: 10146085005 | Collected: 12/23/10 12:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 05:02 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 12/29/10 05:02 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/29/10 05:02 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-5 | | Lab ID: 10146085005 | Collected: 12/23/10 12:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 05:02 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 79-34-5 | |
| Tetrachloroethene | 21.6 | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/29/10 05:02 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/29/10 05:02 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/29/10 05:02 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/29/10 05:02 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/29/10 05:02 | 95-47-6 | |
| Dibromofluoromethane (S) | 89 | % | 75-130 | 1 | | 12/29/10 05:02 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 96 | % | 75-131 | 1 | | 12/29/10 05:02 | 17060-07-0 | |
| Toluene-d8 (S) | 88 | % | 75-125 | 1 | | 12/29/10 05:02 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 83 | % | 75-125 | 1 | | 12/29/10 05:02 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Sample: DPE-6 Lab ID: 10146085006 Collected: 12/23/10 13:15 Received: 12/23/10 16:02 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 | | 12/28/10 02:19 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 12/28/10 02:19 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-00-3 | |
| Chloroform | 1.2 | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:19 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-6 | | Lab ID: 10146085006 | Collected: 12/23/10 13:15 | Received: 12/23/10 16:02 | 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 | | 12/28/10 02:19 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 79-34-5 | |
| Tetrachloroethene | 77.1 | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/28/10 02:19 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 1.5 | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/28/10 02:19 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/28/10 02:19 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/28/10 02:19 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:19 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 | % | 75-130 | 1 | | 12/28/10 02:19 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 105 | % | 75-131 | 1 | | 12/28/10 02:19 | 17060-07-0 | |
| Toluene-d8 (S) | 93 | % | 75-125 | 1 | | 12/28/10 02:19 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 94 | % | 75-125 | 1 | | 12/28/10 02:19 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-7 | | Lab ID: 10146085007 | Collected: 12/23/10 14:15 | Received: 12/23/10 16:02 | 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 | | 12/28/10 02:42 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 12/28/10 02:42 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/28/10 02:42 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-7 | | Lab ID: 10146085007 | Collected: 12/23/10 14:15 | Received: 12/23/10 16:02 | 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 | | 12/28/10 02:42 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 79-34-5 | |
| Tetrachloroethene | 23.2 | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/28/10 02:42 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 2.2 | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/28/10 02:42 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/28/10 02:42 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/28/10 02:42 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/28/10 02:42 | 95-47-6 | |
| Dibromofluoromethane (S) | 111 | % | 75-130 | 1 | | 12/28/10 02:42 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 111 | % | 75-131 | 1 | | 12/28/10 02:42 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 1 | | 12/28/10 02:42 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 95 | % | 75-125 | 1 | | 12/28/10 02:42 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-8 | | Lab ID: 10146085008 | Collected: 12/23/10 15:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 04:37 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 12/29/10 04:37 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/29/10 04:37 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 1634-04-4 | |

Date: 01/03/2011 04:05 PM

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: DPE-8 | | Lab ID: 10146085008 | Collected: 12/23/10 15:15 | Received: 12/23/10 16:02 | 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 | | 12/29/10 04:37 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 79-34-5 | |
| Tetrachloroethene | 262 | ug/L | 5.0 | 5 | | 12/29/10 08:44 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/29/10 04:37 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 33.5 | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/29/10 04:37 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/29/10 04:37 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/29/10 04:37 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/29/10 04:37 | 95-47-6 | |
| Dibromofluoromethane (S) | 99 | % | 75-130 | 1 | | 12/29/10 04:37 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 94 | % | 75-131 | 1 | | 12/29/10 04:37 | 17060-07-0 | |
| Toluene-d8 (S) | 89 | % | 75-125 | 1 | | 12/29/10 04:37 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 81 | % | 75-125 | 1 | | 12/29/10 04:37 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: | AS-INFLUENT | Lab ID: | 10146085009 | Collected: | 12/23/10 08:00 | Received: | 12/23/10 16:02 | 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 | | 12/30/10 18:38 | 67-64-1 | | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 12/30/10 18:38 | 107-02-8 | | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 12/30/10 18:38 | 107-13-1 | | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 107-05-1 | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 71-43-2 | | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 108-86-1 | | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 74-97-5 | | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-27-4 | | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 12/30/10 18:38 | 75-25-2 | | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 74-83-9 | | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 78-93-3 | | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 104-51-8 | | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 135-98-8 | | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 98-06-6 | | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-15-0 | | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 56-23-5 | | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 108-90-7 | | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-00-3 | | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 1 | | 12/30/10 18:38 | 110-75-8 | | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 67-66-3 | | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 74-87-3 | | |
| Chloroprene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 126-99-8 | | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 95-49-8 | | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 106-43-4 | | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 96-12-8 | | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 106-93-4 | | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 74-95-3 | | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 106-46-7 | | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-71-8 | | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-34-3 | | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 107-06-2 | | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-35-4 | | |
| cis-1,2-Dichloroethene | 1.8 | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 156-60-5 | | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-43-4 | | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 78-87-5 | | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 142-28-9 | | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 594-20-7 | | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 563-58-6 | | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 10061-02-6 | | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 60-29-7 | | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 100-41-4 | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 87-68-3 | | |

Date: 01/03/2011 04:05 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

Sample: AS-INFLUENT Lab ID: 10146085009 Collected: 12/23/10 08:00 Received: 12/23/10 16:02 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 | | 12/30/10 18:38 | 591-78-6 | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 75-09-2 | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 12/30/10 18:38 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 12/30/10 18:38 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 79-34-5 | |
| Tetrachloroethene | 168 | ug/L | 2.0 | 2 | | 12/30/10 13:34 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/30/10 18:38 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 3.0 | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 12/30/10 18:38 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/30/10 18:38 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/30/10 18:38 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/30/10 18:38 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/30/10 18:38 | 95-47-6 | |
| Dibromofluoromethane (S) | 115 | % | 75-125 | 1 | | 12/30/10 18:38 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 100 | % | 75-125 | 1 | | 12/30/10 18:38 | 460-00-4 | |
| Toluene-d8 (S) | 91 | % | 75-125 | 1 | | 12/30/10 18:38 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 108 | % | 75-125 | 1 | | 12/30/10 18:38 | 17060-07-0 | |

ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: | AS-EFFLUENT | Lab ID: | 10146085010 | Collected: | 12/23/10 08:01 | Received: | 12/23/10 16:02 | Matrix: | Water |
|-----------------------------|-------------|----------------------------|--------------|------------|----------------|----------------|----------------|---------|-------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | | |
| Acetone | 11.1 ug/L | | 10.0 | 1 | | 12/30/10 12:26 | 67-64-1 | | |
| Acrolein | ND ug/L | | 10.0 | 1 | | 12/30/10 12:26 | 107-02-8 | | |
| Acrylonitrile | ND ug/L | | 10.0 | 1 | | 12/30/10 12:26 | 107-13-1 | | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 107-05-1 | | |
| Benzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 71-43-2 | | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 108-86-1 | | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 74-97-5 | | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-27-4 | | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 12/30/10 12:26 | 75-25-2 | | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 74-83-9 | | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 78-93-3 | | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 104-51-8 | | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 135-98-8 | | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 98-06-6 | | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-15-0 | | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 56-23-5 | | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 108-90-7 | | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-00-3 | | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 12/30/10 12:26 | 110-75-8 | | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 67-66-3 | | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 74-87-3 | | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 126-99-8 | | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 95-49-8 | | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 106-43-4 | | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 96-12-8 | | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 106-93-4 | | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 74-95-3 | | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 106-46-7 | | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-71-8 | | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-34-3 | | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 107-06-2 | | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-35-4 | | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 156-60-5 | | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 75-43-4 | | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 78-87-5 | | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 142-28-9 | | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 594-20-7 | | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 563-58-6 | | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 10061-02-6 | | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 60-29-7 | | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 12/30/10 12:26 | 100-41-4 | | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 12/30/10 12:26 | 87-68-3 | | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Sample: AS-EFFLUENT | | Lab ID: 10146085010 | Collected: 12/23/10 08:01 | Received: 12/23/10 16:02 | 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 | | 12/30/10 12:26 | 591-78-6 | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 12/30/10 12:26 | 74-88-4 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 12/30/10 12:26 | 75-09-2 | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 12/30/10 12:26 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 12/30/10 12:26 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 12/30/10 12:26 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 12/30/10 12:26 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 12/30/10 12:26 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 12/30/10 12:26 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 12/30/10 12:26 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 12/30/10 12:26 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 12/30/10 12:26 | 95-47-6 | |
| Dibromofluoromethane (S) | 108 % | | 75-125 | 1 | | 12/30/10 12:26 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 100 % | | 75-125 | 1 | | 12/30/10 12:26 | 460-00-4 | |
| Toluene-d8 (S) | 94 % | | 75-125 | 1 | | 12/30/10 12:26 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 109 % | | 75-125 | 1 | | 12/30/10 12:26 | 17060-07-0 | |

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

QC Batch: MSV/16111 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10146085009, 10146085010

METHOD BLANK: 912799 Matrix: Water
Associated Lab Samples: 10146085009, 10146085010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 12/30/10 10:45 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 2-Hexanone | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| 2-Methylnaphthalene | ug/L | ND | 5.0 | 12/30/10 10:45 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Acetone | ug/L | ND | 10.0 | 12/30/10 10:45 | |
| Acrolein | ug/L | ND | 10.0 | 12/30/10 10:45 | |
| Acrylonitrile | ug/L | ND | 10.0 | 12/30/10 10:45 | |
| Allyl chloride | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Benzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Bromobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Bromochloromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Bromoform | ug/L | ND | 8.0 | 12/30/10 10:45 | |
| Bromomethane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Carbon disulfide | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Chlorobenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Chloroethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

METHOD BLANK: 912799 Matrix: Water

Associated Lab Samples: 10146085009, 10146085010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Chloroform | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Chloromethane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Chloroprene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Dibromomethane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Ethylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Iodomethane | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| m&p-Xylene | ug/L | ND | 2.0 | 12/30/10 10:45 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Methylene Chloride | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Naphthalene | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| o-Xylene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Styrene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 12/30/10 10:45 | |
| Toluene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/30/10 10:45 | |
| Trichloroethene | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 12/30/10 10:45 | |
| Vinyl acetate | ug/L | ND | 20.0 | 12/30/10 10:45 | |
| Vinyl chloride | ug/L | ND | 0.40 | 12/30/10 10:45 | |
| Xylene (Total) | ug/L | ND | 3.0 | 12/30/10 10:45 | |
| 1,2-Dichloroethane-d4 (S) | % | 107 | 75-125 | 12/30/10 10:45 | |
| 4-Bromofluorobenzene (S) | % | 97 | 75-125 | 12/30/10 10:45 | |
| Dibromofluoromethane (S) | % | 110 | 75-125 | 12/30/10 10:45 | |
| Toluene-d8 (S) | % | 92 | 75-125 | 12/30/10 10:45 | |

LABORATORY CONTROL SAMPLE: 912800

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 20 | 20.9 | 104 | 75-129 | |
| 1,1,1-Trichloroethane | ug/L | 20 | 20.0 | 100 | 73-144 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 912800

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,2,2-Tetrachloroethane | ug/L | 20 | 20.7 | 104 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | 20 | 22.3 | 111 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 20 | 20.4 | 102 | 75-143 | |
| 1,1-Dichloroethane | ug/L | 20 | 20.7 | 103 | 75-135 | |
| 1,1-Dichloroethene | ug/L | 20 | 20.3 | 101 | 75-133 | |
| 1,1-Dichloropropene | ug/L | 20 | 21.2 | 106 | 75-131 | |
| 1,2,3-Trichlorobenzene | ug/L | 20 | 20.6 | 103 | 73-141 | |
| 1,2,3-Trichloropropane | ug/L | 20 | 20.9 | 105 | 75-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 20 | 20.9 | 104 | 70-148 | |
| 1,2,4-Trimethylbenzene | ug/L | 20 | 20.8 | 104 | 75-141 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 20 | 18.3 | 92 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 20 | 20.2 | 101 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 20 | 20.5 | 103 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 20 | 20.8 | 104 | 75-136 | |
| 1,2-Dichloropropane | ug/L | 20 | 20.3 | 102 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 20 | 20.3 | 101 | 75-141 | |
| 1,3-Dichlorobenzene | ug/L | 20 | 20.0 | 100 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 20 | 22.3 | 112 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 20 | 20.1 | 100 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 20 | 21.0 | 105 | 50-150 | |
| 2-Butanone (MEK) | ug/L | 20 | 19.3 | 97 | 58-138 | |
| 2-Chloroethylvinyl ether | ug/L | 50 | 50.3 | 101 | 50-150 | |
| 2-Chlorotoluene | ug/L | 20 | 19.8 | 99 | 75-132 | |
| 2-Hexanone | ug/L | 20 | 19.5 | 98 | 65-135 | |
| 2-Methylnaphthalene | ug/L | 10 | 10.0 | 100 | 62-150 | |
| 4-Chlorotoluene | ug/L | 20 | 20.9 | 104 | 75-135 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 20 | 19.7 | 98 | 69-137 | |
| Acetone | ug/L | 50 | 44.4 | 89 | 52-141 | |
| Acrolein | ug/L | 200 | 218 | 109 | 50-150 | |
| Acrylonitrile | ug/L | 200 | 213 | 107 | 75-130 | |
| Allyl chloride | ug/L | 20 | 21.3 | 106 | 68-150 | |
| Benzene | ug/L | 20 | 20.4 | 102 | 75-125 | |
| Bromobenzene | ug/L | 20 | 19.3 | 97 | 75-125 | |
| Bromochloromethane | ug/L | 20 | 21.3 | 107 | 75-129 | |
| Bromodichloromethane | ug/L | 20 | 20.9 | 105 | 75-142 | |
| Bromoform | ug/L | 20 | 20.7 | 103 | 66-135 | |
| Bromomethane | ug/L | 20 | 19.9 | 99 | 57-150 | |
| Carbon disulfide | ug/L | 20 | 20.2 | 101 | 65-132 | |
| Carbon tetrachloride | ug/L | 20 | 20.6 | 103 | 75-148 | |
| Chlorobenzene | ug/L | 20 | 20.1 | 100 | 75-125 | |
| Chloroethane | ug/L | 20 | 20.1 | 100 | 66-142 | |
| Chloroform | ug/L | 20 | 19.5 | 97 | 75-131 | |
| Chloromethane | ug/L | 20 | 18.3 | 91 | 52-147 | |
| Chloroprene | ug/L | 20 | 20.1 | 100 | 71-147 | |
| cis-1,2-Dichloroethene | ug/L | 20 | 19.5 | 98 | 75-126 | |
| cis-1,3-Dichloropropene | ug/L | 20 | 22.0 | 110 | 69-150 | |
| Dibromochloromethane | ug/L | 20 | 21.6 | 108 | 73-138 | |
| Dibromomethane | ug/L | 20 | 21.4 | 107 | 75-127 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 912800

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Dichlorodifluoromethane | ug/L | 20 | 20.4 | 102 | 50-150 | |
| Dichlorofluoromethane | ug/L | 20 | 19.3 | 96 | 75-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 20 | 19.8 | 99 | 75-126 | |
| Ethylbenzene | ug/L | 20 | 21.3 | 107 | 75-132 | |
| Hexachloro-1,3-butadiene | ug/L | 10 | 9.7 | 97 | 75-129 | |
| Iodomethane | ug/L | 20 | 18.4 | 92 | 73-150 | |
| Isopropylbenzene (Cumene) | ug/L | 20 | 22.7 | 113 | 75-142 | |
| m&p-Xylene | ug/L | 40 | 44.2 | 111 | 75-131 | |
| Methyl-tert-butyl ether | ug/L | 20 | 20.4 | 102 | 75-130 | |
| Methylene Chloride | ug/L | 20 | 21.0 | 105 | 71-125 | |
| n-Butylbenzene | ug/L | 20 | 21.8 | 109 | 70-148 | |
| n-Propylbenzene | ug/L | 20 | 20.0 | 100 | 75-136 | |
| Naphthalene | ug/L | 20 | 21.0 | 105 | 69-145 | |
| o-Xylene | ug/L | 20 | 22.3 | 112 | 75-129 | |
| p-Isopropyltoluene | ug/L | 20 | 21.1 | 105 | 75-132 | |
| sec-Butylbenzene | ug/L | 20 | 20.9 | 105 | 75-136 | |
| Styrene | ug/L | 20 | 20.6 | 103 | 75-125 | |
| tert-Butylbenzene | ug/L | 20 | 20.6 | 103 | 75-135 | |
| Tetrachloroethene | ug/L | 20 | 20.9 | 104 | 75-125 | |
| Tetrahydrofuran | ug/L | 200 | 219 | 110 | 63-144 | |
| Toluene | ug/L | 20 | 20.9 | 104 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 20 | 19.7 | 98 | 72-135 | |
| trans-1,3-Dichloropropene | ug/L | 20 | 20.8 | 104 | 62-150 | |
| Trichloroethene | ug/L | 20 | 20.1 | 101 | 75-125 | |
| Trichlorofluoromethane | ug/L | 20 | 21.5 | 108 | 67-150 | |
| Vinyl acetate | ug/L | 20 | 21.5 | 108 | 55-150 | |
| Vinyl chloride | ug/L | 20 | 19.2 | 96 | 63-147 | |
| Xylene (Total) | ug/L | 60 | 66.5 | 111 | 75-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 98 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | 96 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 96 | 75-125 | |
| Toluene-d8 (S) | % | | | 103 | 75-125 | |

MATRIX SPIKE SAMPLE: 912801

| Parameter | Units | 10145814001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 21.4 | 107 | 70-136 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 23.0 | 115 | 68-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 20.7 | 103 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 23.1 | 115 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 29.3 | 146 | 75-150 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 21.3 | 106 | 67-143 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 25.0 | 125 | 75-147 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 24.6 | 123 | 75-141 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 21.6 | 108 | 71-141 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 20.3 | 101 | 75-128 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 22.2 | 111 | 61-148 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| MATRIX SPIKE SAMPLE: 912801 | | 10145814001 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|-----------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 21.6 | 108 | 65-145 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 19.5 | 97 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 20.3 | 102 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 22.4 | 112 | 75-127 | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 21.4 | 107 | 70-138 | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 21.3 | 107 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 22.1 | 110 | 61-150 | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 21.7 | 109 | 75-126 | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 22.0 | 110 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 21.5 | 107 | 75-125 | |
| 2,2-Dichloropropane | ug/L | ND | 20 | 25.1 | 126 | 50-150 | |
| 2-Butanone (MEK) | ug/L | ND | 20 | 18.8 | 94 | 50-141 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 50 | 1.7J | 3 | 50-150 M1 | |
| 2-Chlorotoluene | ug/L | ND | 20 | 21.7 | 109 | 75-137 | |
| 2-Hexanone | ug/L | ND | 20 | 19.7 | 98 | 66-135 | |
| 2-Methylnaphthalene | ug/L | ND | 10 | 10.5 | 105 | 62-150 | |
| 4-Chlorotoluene | ug/L | ND | 20 | 22.6 | 113 | 70-144 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 20 | 19.4 | 97 | 62-142 | |
| Acetone | ug/L | ND | 50 | 38.1 | 76 | 50-150 | |
| Acrolein | ug/L | ND | 200 | 244 | 122 | 50-150 | |
| Acrylonitrile | ug/L | ND | 200 | 206 | 103 | 70-135 | |
| Allyl chloride | ug/L | ND | 20 | 20.5 | 103 | 50-150 | |
| Benzene | ug/L | ND | 20 | 22.5 | 113 | 75-125 | |
| Bromobenzene | ug/L | ND | 20 | 20.9 | 104 | 75-125 | |
| Bromochloromethane | ug/L | ND | 20 | 21.8 | 109 | 73-137 | |
| Bromodichloromethane | ug/L | ND | 20 | 21.4 | 107 | 70-142 | |
| Bromoform | ug/L | ND | 20 | 19.1 | 96 | 55-135 | |
| Bromomethane | ug/L | ND | 20 | 25.4 | 127 | 50-150 | |
| Carbon disulfide | ug/L | ND | 20 | 18.1 | 90 | 50-150 | |
| Carbon tetrachloride | ug/L | ND | 20 | 23.5 | 117 | 64-150 | |
| Chlorobenzene | ug/L | ND | 20 | 21.0 | 105 | 75-125 | |
| Chloroethane | ug/L | ND | 20 | 25.5 | 127 | 59-150 | |
| Chloroform | ug/L | ND | 20 | 20.8 | 104 | 75-132 | |
| Chloromethane | ug/L | ND | 20 | 23.3 | 116 | 52-150 | |
| Chloroprene | ug/L | ND | 20 | 22.6 | 113 | 54-150 | |
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 21.7 | 108 | 64-144 | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 21.3 | 106 | 56-150 | |
| Dibromochloromethane | ug/L | ND | 20 | 21.6 | 108 | 60-138 | |
| Dibromomethane | ug/L | ND | 20 | 21.5 | 107 | 75-127 | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 31.1 | 156 | 50-150 M1 | |
| Dichlorofluoromethane | ug/L | ND | 20 | 23.5 | 118 | 74-142 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 22.7 | 113 | 75-127 | |
| Ethylbenzene | ug/L | ND | 20 | 22.7 | 114 | 75-134 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 10 | 11.7 | 117 | 63-150 | |
| Iodomethane | ug/L | ND | 20 | 21.6 | 108 | 50-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 24.8 | 124 | 69-147 | |
| m&p-Xylene | ug/L | ND | 40 | 46.4 | 116 | 75-133 | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 21.5 | 107 | 73-131 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| MATRIX SPIKE SAMPLE: 912801 | | 10145814001 | Spike | MS | MS | % Rec | Qualifiers |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | |
| Methylene Chloride | ug/L | ND | 20 | 21.8 | 109 | 68-126 | |
| n-Butylbenzene | ug/L | ND | 20 | 25.1 | 125 | 59-150 | |
| n-Propylbenzene | ug/L | ND | 20 | 22.6 | 113 | 72-143 | |
| Naphthalene | ug/L | ND | 20 | 21.5 | 107 | 57-148 | |
| o-Xylene | ug/L | ND | 20 | 23.6 | 118 | 75-131 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 23.4 | 117 | 75-137 | |
| sec-Butylbenzene | ug/L | ND | 20 | 23.5 | 118 | 75-144 | |
| Styrene | ug/L | ND | 20 | 19.6 | 98 | 75-134 | |
| tert-Butylbenzene | ug/L | ND | 20 | 22.9 | 114 | 68-150 | |
| Tetrachloroethene | ug/L | ND | 20 | 23.4 | 117 | 75-130 | |
| Tetrahydrofuran | ug/L | ND | 200 | 222 | 111 | 60-148 | |
| Toluene | ug/L | ND | 20 | 22.1 | 111 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 22.9 | 115 | 75-145 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 20.6 | 103 | 50-150 | |
| Trichloroethene | ug/L | ND | 20 | 21.9 | 110 | 73-132 | |
| Trichlorofluoromethane | ug/L | ND | 20 | 29.0 | 145 | 67-150 | |
| Vinyl acetate | ug/L | ND | 20 | 23.2 | 116 | 50-150 | |
| Vinyl chloride | ug/L | ND | 20 | 25.7 | 128 | 63-150 | |
| Xylene (Total) | ug/L | ND | 60 | 70.0 | 117 | 72-138 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 100 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | | 99 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 105 | 75-125 | |
| Toluene-d8 (S) | % | | | | 97 | 75-125 | |

SAMPLE DUPLICATE: 912802

| Parameter | Units | 10146322001 | Dup | RPD | Max | Qualifiers |
|--------------------------------|-------|-------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | |
| 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.: 10146085

SAMPLE DUPLICATE: 912802

| Parameter | Units | 10146322001 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 | 31.9 | 31.1 | 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.: 10146085

SAMPLE DUPLICATE: 912802

| Parameter | Units | 10146322001 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 | 1.1 | .94J | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | 16.3 | 17.0 | 5 | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | 5.3 | 5.3 | .2 | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 106 | 3 | | |
| 4-Bromofluorobenzene (S) | % | 95 | 96 | .8 | | |
| Dibromofluoromethane (S) | % | 116 | 107 | 8 | | |
| Toluene-d8 (S) | % | 89 | 90 | 1 | | |

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

QC Batch: MSV/16086 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10146085001, 10146085006, 10146085007

METHOD BLANK: 911465 Matrix: Water
Associated Lab Samples: 10146085001, 10146085006, 10146085007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Acetone | ug/L | ND | 10.0 | 12/27/10 21:30 | |
| Allyl chloride | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Benzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Bromobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Bromochloromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Bromoform | ug/L | ND | 8.0 | 12/27/10 21:30 | |
| Bromomethane | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Chlorobenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Chloroethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Chloroform | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Chloromethane | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Dibromomethane | ug/L | ND | 4.0 | 12/27/10 21:30 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

METHOD BLANK: 911465 Matrix: Water

Associated Lab Samples: 10146085001, 10146085006, 10146085007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Ethylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| m&p-Xylene | ug/L | ND | 2.0 | 12/27/10 21:30 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Methylene Chloride | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Naphthalene | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| o-Xylene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Styrene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 12/27/10 21:30 | |
| Toluene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/27/10 21:30 | |
| Trichloroethene | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 12/27/10 21:30 | |
| Vinyl chloride | ug/L | ND | 0.40 | 12/27/10 21:30 | |
| Xylene (Total) | ug/L | ND | 3.0 | 12/27/10 21:30 | |
| 1,2-Dichloroethane-d4 (S) | % | 107 | 75-131 | 12/27/10 21:30 | |
| 4-Bromofluorobenzene (S) | % | 97 | 75-125 | 12/27/10 21:30 | |
| Dibromofluoromethane (S) | % | 104 | 75-130 | 12/27/10 21:30 | |
| Toluene-d8 (S) | % | 97 | 75-125 | 12/27/10 21:30 | |

LABORATORY CONTROL SAMPLE: 911466

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 53.9 | 108 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 51.8 | 104 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 57.4 | 115 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 54.4 | 109 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 41.8 | 84 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 50.0 | 100 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 50.8 | 102 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 50.7 | 101 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 47.9 | 96 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 57.9 | 116 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 54.0 | 108 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 911466

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 46.6 | 93 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 51.6 | 103 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 57.4 | 115 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 53.4 | 107 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 55.7 | 111 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 55.1 | 110 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 46.6 | 93 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 52.9 | 106 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 53.9 | 108 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 53.3 | 107 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 50.1 | 100 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 51.2 | 102 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 52.2 | 104 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 53.8 | 108 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 47.1 | 94 | 65-132 | |
| Acetone | ug/L | 125 | 106 | 85 | 36-126 | |
| Allyl chloride | ug/L | 50 | 50.6 | 101 | 64-137 | |
| Benzene | ug/L | 50 | 51.3 | 103 | 75-125 | |
| Bromobenzene | ug/L | 50 | 55.3 | 111 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 53.1 | 106 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 48.6 | 97 | 75-125 | |
| Bromoform | ug/L | 50 | 58.1 | 116 | 72-131 | |
| Bromomethane | ug/L | 50 | 51.3 | 103 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 52.8 | 106 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 52.6 | 105 | 75-125 | |
| Chloroethane | ug/L | 50 | 46.9 | 94 | 56-137 | |
| Chloroform | ug/L | 50 | 52.1 | 104 | 75-125 | |
| Chloromethane | ug/L | 50 | 45.7 | 91 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 52.7 | 105 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 54.3 | 109 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 56.6 | 113 | 75-125 | |
| Dibromomethane | ug/L | 50 | 56.4 | 113 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 38.9 | 78 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 50.5 | 101 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 55.4 | 111 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 25.3 | 101 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 46.1 | 92 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 106 | 106 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 56.2 | 112 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 51.8 | 104 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 44.9 | 90 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 52.7 | 105 | 75-125 | |
| Naphthalene | ug/L | 50 | 49.1 | 98 | 69-130 | |
| o-Xylene | ug/L | 50 | 53.9 | 108 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 46.1 | 92 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 45.6 | 91 | 75-125 | |
| Styrene | ug/L | 50 | 47.2 | 94 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 911466

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 46.4 | 93 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 49.8 | 100 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 500 | 100 | 64-135 | |
| Toluene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 51.1 | 102 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 54.6 | 109 | 75-125 | |
| Trichloroethene | ug/L | 50 | 47.9 | 96 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 45.9 | 92 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 47.6 | 95 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 160 | 107 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 99 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 96 | 75-130 | |
| Toluene-d8 (S) | % | | | 99 | 75-125 | |

MATRIX SPIKE SAMPLE: 912111

| Parameter | Units | 10146086002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | | ND 50 | 52.8 | 106 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | | ND 50 | 54.6 | 109 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | | ND 50 | 53.7 | 107 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | | ND 50 | 52.0 | 104 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | | ND 50 | 59.1 | 118 | 47-150 | |
| 1,1-Dichloroethane | ug/L | | ND 50 | 51.2 | 102 | 71-131 | |
| 1,1-Dichloroethene | ug/L | | ND 50 | 55.8 | 112 | 66-145 | |
| 1,1-Dichloropropene | ug/L | | ND 50 | 54.8 | 110 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | | ND 50 | 45.1 | 90 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | | ND 50 | 52.4 | 105 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | | ND 50 | 51.7 | 103 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | | ND 50 | 44.7 | 89 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | | ND 50 | 47.2 | 94 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | | ND 50 | 54.3 | 109 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | | ND 50 | 51.2 | 102 | 72-131 | |
| 1,2-Dichloroethane | ug/L | | ND 50 | 54.3 | 109 | 62-148 | |
| 1,2-Dichloropropane | ug/L | | ND 50 | 53.2 | 106 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | | ND 50 | 44.6 | 89 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | | ND 50 | 51.2 | 102 | 73-130 | |
| 1,3-Dichloropropane | ug/L | | ND 50 | 52.4 | 105 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | | ND 50 | 50.7 | 101 | 71-132 | |
| 2,2-Dichloropropane | ug/L | | ND 50 | 53.3 | 107 | 50-150 | |
| 2-Butanone (MEK) | ug/L | | ND 50 | 44.8 | 90 | 46-140 | |
| 2-Chlorotoluene | ug/L | | ND 50 | 51.5 | 103 | 74-131 | |
| 4-Chlorotoluene | ug/L | | ND 50 | 52.0 | 104 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | | ND 50 | 45.0 | 90 | 59-145 | |
| Acetone | ug/L | | ND 125 | 101 | 81 | 36-126 | |
| Allyl chloride | ug/L | | ND 50 | 51.7 | 103 | 50-148 | |
| Benzene | ug/L | | ND 50 | 52.4 | 105 | 70-133 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| MATRIX SPIKE SAMPLE: 912111 | | 10146086002 | Spike | MS | MS | % Rec | Qualifiers |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | |
| Bromobenzene | ug/L | ND | 50 | 51.4 | 103 | 72-129 | |
| Bromochloromethane | ug/L | ND | 50 | 52.4 | 105 | 69-137 | |
| Bromodichloromethane | ug/L | ND | 50 | 47.4 | 95 | 73-134 | |
| Bromoform | ug/L | ND | 50 | 54.5 | 109 | 56-144 | |
| Bromomethane | ug/L | ND | 50 | 55.9 | 112 | 30-150 | |
| Carbon tetrachloride | ug/L | ND | 50 | 57.8 | 116 | 55-150 | |
| Chlorobenzene | ug/L | ND | 50 | 52.1 | 104 | 71-132 | |
| Chloroethane | ug/L | ND | 50 | 52.3 | 105 | 50-150 | |
| Chloroform | ug/L | ND | 50 | 51.2 | 102 | 68-138 | |
| Chloromethane | ug/L | ND | 50 | 54.7 | 109 | 61-148 | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 53.6 | 107 | 68-135 | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 51.6 | 103 | 70-134 | |
| Dibromochloromethane | ug/L | ND | 50 | 56.3 | 113 | 67-135 | |
| Dibromomethane | ug/L | ND | 50 | 53.3 | 107 | 74-130 | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 56.5 | 113 | 44-150 | |
| Dichlorofluoromethane | ug/L | ND | 50 | 52.2 | 104 | 67-145 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 53.4 | 107 | 69-132 | |
| Ethylbenzene | ug/L | ND | 50 | 52.8 | 106 | 66-133 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 25.4 | 102 | 59-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 47.8 | 96 | 71-140 | |
| m&p-Xylene | ug/L | ND | 100 | 108 | 108 | 63-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 54.2 | 108 | 62-143 | |
| Methylene Chloride | ug/L | ND | 50 | 50.5 | 101 | 69-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 45.1 | 90 | 73-140 | |
| n-Propylbenzene | ug/L | ND | 50 | 52.2 | 104 | 71-136 | |
| Naphthalene | ug/L | ND | 50 | 45.7 | 91 | 55-147 | |
| o-Xylene | ug/L | ND | 50 | 53.4 | 107 | 66-132 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 45.5 | 91 | 69-138 | |
| sec-Butylbenzene | ug/L | ND | 50 | 45.7 | 91 | 73-140 | |
| Styrene | ug/L | ND | 50 | 44.8 | 90 | 68-138 | |
| tert-Butylbenzene | ug/L | ND | 50 | 46.6 | 93 | 70-138 | |
| Tetrachloroethene | ug/L | ND | 50 | 52.4 | 105 | 70-138 | |
| Tetrahydrofuran | ug/L | ND | 500 | 474 | 95 | 54-148 | |
| Toluene | ug/L | ND | 50 | 52.9 | 106 | 65-127 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 52.8 | 106 | 67-131 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 52.3 | 105 | 64-138 | |
| Trichloroethene | ug/L | ND | 50 | 48.7 | 97 | 70-133 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 58.9 | 118 | 59-150 | |
| Vinyl chloride | ug/L | ND | 50 | 56.0 | 112 | 59-150 | |
| Xylene (Total) | ug/L | ND | 150 | 161 | 108 | 65-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 96 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | | 98 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 98 | 75-130 | |
| Toluene-d8 (S) | % | | | | 98 | 75-125 | |

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

SAMPLE DUPLICATE: 912110

| Parameter | Units | 10146086001 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.: 10146085

SAMPLE DUPLICATE: 912110

| Parameter | Units | 10146086001 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 | 2.8 | 2.9 | 4 | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 112 | 108 | 3 | | |
| 4-Bromofluorobenzene (S) | % | 96 | 95 | .8 | | |
| Dibromofluoromethane (S) | % | 109 | 104 | 5 | | |
| Toluene-d8 (S) | % | 93 | 96 | 4 | | |

QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

QC Batch: MSV/16096 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10146085002, 10146085003, 10146085004, 10146085005, 10146085008

METHOD BLANK: 912008 Matrix: Water
Associated Lab Samples: 10146085002, 10146085003, 10146085004, 10146085005, 10146085008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Acetone | ug/L | ND | 10.0 | 12/29/10 00:56 | |
| Allyl chloride | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Benzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Bromobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Bromochloromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Bromoform | ug/L | ND | 8.0 | 12/29/10 00:56 | |
| Bromomethane | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Chlorobenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Chloroethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Chloroform | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Chloromethane | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Dibromomethane | ug/L | ND | 4.0 | 12/29/10 00:56 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

METHOD BLANK: 912008

Matrix: Water

Associated Lab Samples: 10146085002, 10146085003, 10146085004, 10146085005, 10146085008

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Ethylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| m&p-Xylene | ug/L | ND | 2.0 | 12/29/10 00:56 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Methylene Chloride | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Naphthalene | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| o-Xylene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Styrene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 12/29/10 00:56 | |
| Toluene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 12/29/10 00:56 | |
| Trichloroethene | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 12/29/10 00:56 | |
| Vinyl chloride | ug/L | ND | 0.40 | 12/29/10 00:56 | |
| Xylene (Total) | ug/L | ND | 3.0 | 12/29/10 00:56 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 75-131 | 12/29/10 00:56 | |
| 4-Bromofluorobenzene (S) | % | 87 | 75-125 | 12/29/10 00:56 | |
| Dibromofluoromethane (S) | % | 103 | 75-130 | 12/29/10 00:56 | |
| Toluene-d8 (S) | % | 92 | 75-125 | 12/29/10 00:56 | |

LABORATORY CONTROL SAMPLE: 912009

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 42.1 | 84 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 43.7 | 87 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 44.1 | 88 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 45.7 | 91 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 46.2 | 92 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 45.1 | 90 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 42.0 | 84 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 44.3 | 89 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 53.6 | 107 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 43.6 | 87 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 53.5 | 107 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 912009

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 48.0 | 96 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 38.5 | 77 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 48.6 | 97 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 49.1 | 98 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 49.9 | 100 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 46.6 | 93 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 45.4 | 91 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 48.4 | 97 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 47.2 | 94 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.2 | 98 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 39.4 | 79 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 45.7 | 91 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 45.1 | 90 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 45.5 | 91 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 49.2 | 98 | 65-132 | |
| Acetone | ug/L | 125 | 98.7 | 79 | 36-126 | |
| Allyl chloride | ug/L | 50 | 37.6 | 75 | 64-137 | |
| Benzene | ug/L | 50 | 43.2 | 86 | 75-125 | |
| Bromobenzene | ug/L | 50 | 49.9 | 100 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 44.1 | 88 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 44.1 | 88 | 75-125 | |
| Bromoform | ug/L | 50 | 37.9 | 76 | 72-131 | |
| Bromomethane | ug/L | 50 | 47.8 | 96 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 36.7 | 73 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 47.9 | 96 | 75-125 | |
| Chloroethane | ug/L | 50 | 44.8 | 90 | 56-137 | |
| Chloroform | ug/L | 50 | 43.6 | 87 | 75-125 | |
| Chloromethane | ug/L | 50 | 47.8 | 96 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 42.0 | 84 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 44.1 | 88 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 44.0 | 88 | 75-125 | |
| Dibromomethane | ug/L | 50 | 47.1 | 94 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 53.5 | 107 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 42.8 | 86 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 45.2 | 90 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 46.1 | 92 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 27.0 | 108 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 47.8 | 96 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 94.0 | 94 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 45.3 | 91 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 41.7 | 83 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 47.1 | 94 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 45.4 | 91 | 75-125 | |
| Naphthalene | ug/L | 50 | 52.4 | 105 | 69-130 | |
| o-Xylene | ug/L | 50 | 48.3 | 97 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 48.8 | 98 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 46.9 | 94 | 75-125 | |
| Styrene | ug/L | 50 | 48.1 | 96 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

LABORATORY CONTROL SAMPLE: 912009

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 45.5 | 91 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 49.5 | 99 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 392 | 78 | 64-135 | |
| Toluene | ug/L | 50 | 45.4 | 91 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 44.0 | 88 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 44.0 | 88 | 75-125 | |
| Trichloroethene | ug/L | 50 | 48.9 | 98 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 48.0 | 96 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 42.1 | 84 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 142 | 95 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 97 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 90 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 98 | 75-130 | |
| Toluene-d8 (S) | % | | | 95 | 75-125 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 912010 912011

| Parameter | Units | 10146147001 Result | MS | MSD | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | Max RPD | Qual |
|--------------------------------|-------|--------------------|-------------|-------------|-----------|------------|----------|-----------|--------------|---------|------|
| | | | Spike Conc. | Spike Conc. | | | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 46.3 | 44.9 | 93 | 90 | 72-133 | 3 | 30 |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 50 | 49.3 | 46.2 | 99 | 92 | 65-150 | 6 | 30 |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 42.8 | 44.4 | 86 | 89 | 63-138 | 4 | 30 |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 50 | 47.3 | 47.5 | 95 | 95 | 68-131 | .6 | 30 |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 50 | 62.9 | 57.0 | 126 | 114 | 47-150 | 10 | 30 |
| 1,1-Dichloroethane | ug/L | ND | 50 | 50 | 48.5 | 47.0 | 97 | 94 | 71-131 | 3 | 30 |
| 1,1-Dichloroethene | ug/L | ND | 50 | 50 | 49.0 | 47.3 | 98 | 95 | 66-145 | 3 | 30 |
| 1,1-Dichloropropene | ug/L | ND | 50 | 50 | 49.0 | 46.7 | 98 | 93 | 62-144 | 5 | 30 |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 50 | 51.8 | 54.2 | 104 | 108 | 66-139 | 5 | 30 |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 50 | 42.5 | 44.8 | 85 | 90 | 61-139 | 5 | 30 |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 50 | 54.8 | 52.6 | 110 | 105 | 68-139 | 4 | 30 |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 50 | 49.3 | 46.5 | 99 | 93 | 69-130 | 6 | 30 |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 50 | 39.4 | 44.6 | 79 | 89 | 53-150 | 12 | 30 |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 50 | 49.5 | 51.0 | 99 | 102 | 69-133 | 3 | 30 |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 50 | 49.8 | 49.2 | 100 | 98 | 72-131 | 1 | 30 |
| 1,2-Dichloroethane | ug/L | ND | 50 | 50 | 50.4 | 49.3 | 101 | 99 | 62-148 | 2 | 30 |
| 1,2-Dichloropropane | ug/L | ND | 50 | 50 | 47.7 | 47.0 | 95 | 94 | 74-128 | 1 | 30 |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 50 | 48.1 | 46.7 | 96 | 93 | 65-134 | 3 | 30 |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 50 | 49.4 | 48.0 | 99 | 96 | 73-130 | 3 | 30 |
| 1,3-Dichloropropane | ug/L | ND | 50 | 50 | 48.5 | 48.3 | 97 | 97 | 71-130 | .5 | 30 |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 50 | 50.4 | 49.1 | 101 | 98 | 71-132 | 3 | 30 |
| 2,2-Dichloropropane | ug/L | ND | 50 | 50 | 43.3 | 40.2 | 87 | 80 | 50-150 | 8 | 30 |
| 2-Butanone (MEK) | ug/L | ND | 50 | 50 | 44.7 | 49.2 | 89 | 98 | 46-140 | 10 | 30 |
| 2-Chlorotoluene | ug/L | ND | 50 | 50 | 46.6 | 45.0 | 93 | 90 | 74-131 | 4 | 30 |
| 4-Chlorotoluene | ug/L | ND | 50 | 50 | 46.4 | 46.1 | 93 | 92 | 70-139 | .7 | 30 |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 50 | 46.7 | 53.3 | 93 | 107 | 59-145 | 13 | 30 |
| Acetone | ug/L | ND | 125 | 125 | 96.3 | 107 | 77 | 86 | 36-126 | 11 | 30 |
| Allyl chloride | ug/L | ND | 50 | 50 | 48.0 | 43.6 | 96 | 87 | 50-148 | 10 | 30 |

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QUALITY CONTROL DATA

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Parameter | 10146147001 | | MS | | MSD | | MS | | MSD | | % Rec | Limits | Max RPD | Qual |
|-----------------------------|-------------|--------|-------------|-----------------|--------|------------|-------|-------|--------|----|-------|--------|---------|------|
| | Units | Result | Spike Conc. | MSD Spike Conc. | Result | MSD Result | % Rec | % Rec | | | | | | |
| Benzene | ug/L | ND | 50 | 50 | 46.4 | 45.1 | 93 | 90 | 70-133 | 3 | 30 | | | |
| Bromobenzene | ug/L | ND | 50 | 50 | 51.0 | 49.4 | 102 | 99 | 72-129 | 3 | 30 | | | |
| Bromochloromethane | ug/L | ND | 50 | 50 | 45.5 | 42.2 | 91 | 84 | 69-137 | 8 | 30 | | | |
| Bromodichloromethane | ug/L | ND | 50 | 50 | 45.5 | 45.7 | 91 | 91 | 73-134 | .5 | 30 | | | |
| Bromoform | ug/L | ND | 50 | 50 | 40.6 | 43.5 | 81 | 87 | 56-144 | 7 | 30 | | | |
| Bromomethane | ug/L | ND | 50 | 50 | 56.6 | 51.9 | 113 | 104 | 30-150 | 9 | 30 | | | |
| Carbon tetrachloride | ug/L | ND | 50 | 50 | 43.8 | 41.1 | 88 | 82 | 55-150 | 6 | 30 | | | |
| Chlorobenzene | ug/L | ND | 50 | 50 | 50.6 | 49.4 | 101 | 99 | 71-132 | 2 | 30 | | | |
| Chloroethane | ug/L | ND | 50 | 50 | 52.1 | 50.5 | 104 | 101 | 50-150 | 3 | 30 | | | |
| Chloroform | ug/L | ND | 50 | 50 | 47.3 | 44.9 | 95 | 90 | 68-138 | 5 | 30 | | | |
| Chloromethane | ug/L | ND | 50 | 50 | 55.6 | 53.4 | 111 | 107 | 61-148 | 4 | 30 | | | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 46.2 | 45.0 | 92 | 90 | 68-135 | 3 | 30 | | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 45.9 | 46.1 | 92 | 92 | 70-134 | .3 | 30 | | | |
| Dibromochloromethane | ug/L | ND | 50 | 50 | 46.9 | 47.3 | 94 | 95 | 67-135 | .9 | 30 | | | |
| Dibromomethane | ug/L | ND | 50 | 50 | 46.2 | 47.7 | 92 | 95 | 74-130 | 3 | 30 | | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 50 | 70.9 | 67.2 | 142 | 134 | 44-150 | 5 | 30 | | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 50 | 47.1 | 44.7 | 94 | 89 | 67-145 | 5 | 30 | | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50 | 46.3 | 44.1 | 93 | 88 | 69-132 | 5 | 30 | | | |
| Ethylbenzene | ug/L | ND | 50 | 50 | 50.2 | 48.3 | 100 | 97 | 66-133 | 4 | 30 | | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 25 | 28.4 | 28.3 | 114 | 113 | 59-150 | .4 | 30 | | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 50 | 50.9 | 49.6 | 102 | 99 | 71-140 | 3 | 30 | | | |
| m&p-Xylene | ug/L | ND | 100 | 100 | 99.7 | 97.3 | 100 | 97 | 63-130 | 2 | 30 | | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 50 | 45.2 | 46.4 | 90 | 93 | 62-143 | 3 | 30 | | | |
| Methylene Chloride | ug/L | ND | 50 | 50 | 44.4 | 43.5 | 89 | 87 | 69-126 | 2 | 30 | | | |
| n-Butylbenzene | ug/L | ND | 50 | 50 | 49.1 | 47.0 | 98 | 94 | 73-140 | 4 | 30 | | | |
| n-Propylbenzene | ug/L | ND | 50 | 50 | 48.5 | 46.4 | 97 | 93 | 71-136 | 4 | 30 | | | |
| Naphthalene | ug/L | ND | 50 | 50 | 50.1 | 54.7 | 100 | 109 | 55-147 | 9 | 30 | | | |
| o-Xylene | ug/L | ND | 50 | 50 | 51.3 | 50.1 | 103 | 100 | 66-132 | 2 | 30 | | | |
| p-Isopropyltoluene | ug/L | ND | 50 | 50 | 49.9 | 47.4 | 100 | 95 | 69-138 | 5 | 30 | | | |
| sec-Butylbenzene | ug/L | ND | 50 | 50 | 47.7 | 48.4 | 95 | 97 | 73-140 | 1 | 30 | | | |
| Styrene | ug/L | ND | 50 | 50 | 49.7 | 48.8 | 99 | 98 | 68-138 | 2 | 30 | | | |
| tert-Butylbenzene | ug/L | ND | 50 | 50 | 48.3 | 47.1 | 97 | 94 | 70-138 | 2 | 30 | | | |
| Tetrachloroethene | ug/L | ND | 50 | 50 | 55.6 | 53.3 | 111 | 107 | 70-138 | 4 | 30 | | | |
| Tetrahydrofuran | ug/L | ND | 500 | 500 | 392 | 415 | 78 | 83 | 54-148 | 6 | 30 | | | |
| Toluene | ug/L | ND | 50 | 50 | 49.5 | 47.2 | 99 | 94 | 65-127 | 5 | 30 | | | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 46.8 | 45.4 | 94 | 91 | 67-131 | 3 | 30 | | | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 46.5 | 46.7 | 93 | 93 | 64-138 | .4 | 30 | | | |
| Trichloroethene | ug/L | ND | 50 | 50 | 51.5 | 49.9 | 103 | 100 | 70-133 | 3 | 30 | | | |
| Trichlorofluoromethane | ug/L | ND | 50 | 50 | 59.6 | 55.8 | 119 | 112 | 59-150 | 6 | 30 | | | |
| Vinyl chloride | ug/L | ND | 50 | 50 | 50.0 | 47.8 | 100 | 96 | 59-150 | 5 | 30 | | | |
| Xylene (Total) | ug/L | ND | 150 | 150 | 151 | 147 | 101 | 98 | 65-130 | 2 | 30 | | | |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | 100 | 99 | 75-131 | | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 86 | 87 | 75-125 | | | | | |
| Dibromofluoromethane (S) | % | | | | | | 95 | 94 | 75-130 | | | | | |
| Toluene-d8 (S) | % | | | | | | 96 | 98 | 75-125 | | | | | |

QUALIFIERS

Project: CRC CITY OF ROCHESTER

Pace Project No.: 10146085

DEFINITIONS

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

ND - Not Detected at or above adjusted reporting limit.

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

MDL - Adjusted Method Detection Limit.

S - Surrogate

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

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

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

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

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

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

ANALYTE QUALIFIERS

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC CITY OF ROCHESTER
Pace Project No.: 10146085

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|-----------|-------------------|------------------|
| 10146085009 | AS-INFLUENT | EPA 624 | MSV/16111 | | |
| 10146085010 | AS-EFFLUENT | EPA 624 | MSV/16111 | | |
| 10146085001 | DPE-1 | EPA 8260 | MSV/16086 | | |
| 10146085002 | DPE-2 | EPA 8260 | MSV/16096 | | |
| 10146085003 | DPE-3 | EPA 8260 | MSV/16096 | | |
| 10146085004 | DPE-4 | EPA 8260 | MSV/16096 | | |
| 10146085005 | DPE-5 | EPA 8260 | MSV/16096 | | |
| 10146085006 | DPE-6 | EPA 8260 | MSV/16086 | | |
| 10146085007 | DPE-7 | EPA 8260 | MSV/16086 | | |
| 10146085008 | DPE-8 | EPA 8260 | MSV/16096 | | |



CHAIN-OF-CUSTODY / Analytical Request Document

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

10146005

| Section A Required Client Information: Company: Landmark Environmental Address: 2042 W. 98th Street Bloomington, MN 55431 Email To: jskramstad@landmarkenv.com Phone: 952-887-9601, Fax: 952-887-9605 ext 205 Requested Due Date/TAT: Normal | | Section B Required Project Information: Report To: Jason Skramstad Copy To: Eric Gabrielson Purchase Order No.: Project Name: City of Rochester Project Number: CRC | | Section C Invoice Information: Attention: Jason Skramstad Company Name: Landmark Environmental, LLC Address: 2042 W. 98th St., Bloomington, MN 55431 Pace Quote Reference: Pace Project Manager: Carolynne Trout Pace Profile #: | | Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / . -) Samples IDs MUST BE UNIQUE | | | | | | | | | | |
|---|-----------|---|-----------------|--|-------------|--|--------------|----------------------------|------|----------|-------|---------------------------|------|------|-------------------|--|
| Section E REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER | | Section F SITE <input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC LOCATION <input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER | | Section G Filtered (Y/N) Requested Analysis EPA 8260 VOCs Other | | Section H # OF CONTAINERS PRESERVATIVES <input type="checkbox"/> Unpreserved <input type="checkbox"/> H ₂ SO ₄ <input type="checkbox"/> HNO ₃ <input type="checkbox"/> HCl <input type="checkbox"/> NaOH <input type="checkbox"/> Na ₂ S ₂ O ₈ <input type="checkbox"/> Methanol <input type="checkbox"/> Other | | | | | | | | | | |
| ITEM # | MATRIX | CODE | COLLECTED | | SAMPLE TYPE | MATRIX CODE | G-RAB C-COMP | SAMPLER TEMP AT COLLECTION | | DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS | |
| | | | COMPOSITE START | COMPOSITE END/GRAB | | | | DATE | TIME | | | | | | | |
| 1 | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | |
| 3 | D P E - 1 | | | | W G | | G | | | 12/23/10 | 8:15 | | | | | |
| 4 | D P E - 2 | | | | W G | | G | | | 12/23/10 | 9:15 | | | | | |
| 5 | D P E - 3 | | | | W G | | G | | | 12/23/10 | 10:15 | | | | | |
| 6 | D P E - 4 | | | | W G | | G | | | 12/23/10 | 11:15 | | | | | |
| 7 | D P E - 5 | | | | W G | | G | | | 12/23/10 | 12:15 | | | | | |
| 8 | D P E - 6 | | | | W G | | G | | | 12/23/10 | 13:15 | | | | | |
| 5 | D P E - 7 | | | | W G | | G | | | 12/23/10 | 14:15 | | | | | |
| 6 | D P E - 8 | | | | W G | | G | | | 12/23/10 | 15:15 | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |

Additional Comments:

SAMPLER NAME AND SIGNATURE
 PRINT Name of SAMPLER: Eric Gabrielson
 SIGNATURE of SAMPLER: [Signature]
 DATE Signed (MM / DD / YY)



CHAIN-OF-CUSTODY / Analytical Request Document

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

| | |
|---|--|
| Page: 1 of 1 | |
| REGULATORY AGENCY | |
| <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RORA <input type="checkbox"/> OTHER | |
| SITE <input type="checkbox"/> GA <input type="checkbox"/> IL <input type="checkbox"/> IN <input type="checkbox"/> MI <input type="checkbox"/> NC LOCATION <input type="checkbox"/> OH <input type="checkbox"/> SC <input type="checkbox"/> WI <input type="checkbox"/> OTHER | |
| Filtered (Y/N) | |
| Requested Analyte | |
| EPA 824 | |
| Pace Project Number Lab ID. | |
| 609 010 | |

| ITEM # | Matrix | Sample Type | G+GRAB C=COMP | COLLECTED | | | # OF CONTAINERS | Preservatives | Unpreserved | H ₂ SO ₄ | HCl | NaOH | Na ₂ S ₂ O ₃ | Methanol | Other | Relinquished By / Affiliation | Date | Time | SAMPLE CONDITIONS | | | |
|--------|----------------|-------------|---------------|-----------|------|------|-----------------|---------------|-------------|--------------------------------|-----|------|---|----------|-------|-------------------------------|----------|-----------|-------------------|-------------|-----------------------|----------------|
| | | | | DATE | TIME | DATE | | | | | | | | | | | | | Temp in °C | Received on | Custody Sealed Cooler | Samples Intact |
| 1 | DRINKING WATER | W G | G | 12/23/10 | 8:00 | | 3 | | | | | | | | | Michael Pace MW | 12/23/10 | 16:02-5:7 | Y/N | Y/N | Y/N | |
| 2 | WATER | W G | G | 10/18/10 | 8:01 | | 3 | | | | | | | | | | | | Y/N | Y/N | Y/N | |
| 3 | WATER | | | | | | | | | | | | | | | | | | | | | |
| 4 | WATER | | | | | | | | | | | | | | | | | | | | | |
| 5 | WATER | | | | | | | | | | | | | | | | | | | | | |
| 6 | WATER | | | | | | | | | | | | | | | | | | | | | |
| 7 | WATER | | | | | | | | | | | | | | | | | | | | | |
| 8 | WATER | | | | | | | | | | | | | | | | | | | | | |

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

| | | | | | |
|--|--|--|--|--|--|
| Section D Required Client Information SAMPLE ID One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE | | Valid Matrix Codes DW DRINKING WATER WW WASTE WATER PW PROCESS WATER SOIL SOIL OIL OIL AIR AIR OTHER OTHER TISSUE TISSUE | | CODE DW WW PW SO OL OT IS | |
|--|--|--|--|--|--|

| | | | |
|---|--|---|--|
| Relinquished By / Affiliation Date Time | | Accepted By / Affiliation Date Time | |
| Michael Pace MW | | Michael Pace MW | |

| | |
|---|--|
| Sampler Name and Signature PRINT Name of Sampler: <i>Michael Pace MW</i> SIGNATURE of Sampler: <i>[Signature]</i> DATE Signed (MM/DD/YY) | |
|---|--|

Additional Comments:



Sample Condition Upon Receipt

10146085

Client Name: Landmark

Project # _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Optional
Proj. Dir. Data
Proj. Name

Custody Seal on Cooler/Box Present: yes no Seals Intact: yes no

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

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

Cooler Temperature 5.7
Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 12/23/10 SK

Comments:

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

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CM

Date: 12/27/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the Rush Analytical Services, Inc. 1700 Elm Street SE, Suite 200, Minneapolis, MN 55414

December 01, 2010

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

RE: Project: CRC City Of Rochester
Pace Project No.: 10143717

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on November 19, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 34

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CERTIFICATIONS

Project: CRC City Of Rochester

Pace Project No.: 10143717

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Page 2 of 34

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SAMPLE SUMMARY

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-----------|--------|----------------|----------------|
| 10143717001 | MW-19 | Water | 11/18/10 11:00 | 11/19/10 12:32 |
| 10143717002 | MW-14 | Water | 11/18/10 11:30 | 11/19/10 12:32 |
| 10143717003 | MW-15 | Water | 11/18/10 12:00 | 11/19/10 12:32 |
| 10143717004 | MW-18 | Water | 11/18/10 12:30 | 11/19/10 12:32 |
| 10143717005 | MW-17 | Water | 11/18/10 13:00 | 11/19/10 12:32 |
| 10143717006 | MW-20 | Water | 11/18/10 13:30 | 11/19/10 12:32 |
| 10143717007 | MW-16 | Water | 11/18/10 14:00 | 11/19/10 12:32 |
| 10143717008 | AIR CAN 1 | Air | | 11/19/10 12:32 |
| 10143717009 | AIR CAN 2 | Air | | 11/19/10 12:32 |

REPORT OF LABORATORY ANALYSIS

Page 3 of 34

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SAMPLE ANALYTE COUNT

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-----------|----------|----------|-------------------|
| 10143717001 | MW-19 | EPA 8260 | ECB | 73 |
| 10143717002 | MW-14 | EPA 8260 | DJT | 73 |
| 10143717003 | MW-15 | EPA 8260 | DJT | 73 |
| 10143717004 | MW-18 | EPA 8260 | ECB | 73 |
| 10143717005 | MW-17 | EPA 8260 | ECB | 73 |
| 10143717006 | MW-20 | EPA 8260 | ECB | 73 |
| 10143717007 | MW-16 | EPA 8260 | ECB | 73 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-19 | | Lab ID: 10143717001 | Collected: 11/18/10 11:00 | Received: 11/19/10 12:32 | 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 | | 11/23/10 01:43 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 11/23/10 01:43 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-19 | | Lab ID: 10143717001 | Collected: 11/18/10 11:00 | Received: 11/19/10 12:32 | Matrix: Water | | | |
|--------------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 11/23/10 01:43 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 79-34-5 | |
| Tetrachloroethene | 4.8 | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 11/23/10 01:43 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 11/23/10 01:43 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 11/23/10 01:43 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 11/23/10 01:43 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 11/23/10 01:43 | 95-47-6 | |
| Dibromofluoromethane (S) | 109 | % | 75-130 | 1 | | 11/23/10 01:43 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 113 | % | 75-131 | 1 | | 11/23/10 01:43 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 1 | | 11/23/10 01:43 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 75-125 | 1 | | 11/23/10 01:43 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-14 | Lab ID: 10143717002 | Collected: 11/18/10 11:30 | Received: 11/19/10 12:32 | 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 | | 11/20/10 04:25 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 11/20/10 04:25 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 74-83-9 | CL |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-00-3 | |
| Chloroform | 3.5 ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 95-49-8 | H1 |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 563-58-6 | L3 |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-14 | Lab ID: 10143717002 | Collected: 11/18/10 11:30 | Received: 11/19/10 12:32 | Matrix: Water | | | | |
|--------------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|-------------|-------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:25 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 103-65-1 | H1,L3 |
| Styrene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 79-34-5 | |
| Tetrachloroethene | 6.6 ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 11/20/10 04:25 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 108-67-8 | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 11/20/10 04:25 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 11/20/10 04:25 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 11/20/10 04:25 | 179601-23-1 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:25 | 95-47-6 | |
| Dibromofluoromethane (S) | 108 % | | 75-130 | 1 | | 11/20/10 04:25 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 109 % | | 75-131 | 1 | | 11/20/10 04:25 | 17060-07-0 | |
| Toluene-d8 (S) | 98 % | | 75-125 | 1 | | 11/20/10 04:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 % | | 75-125 | 1 | | 11/20/10 04:25 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-15 | Lab ID: 10143717003 | Collected: 11/18/10 12:00 | Received: 11/19/10 12:32 | 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 | | 11/20/10 04:50 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 11/20/10 04:50 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 74-83-9 | CL |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-00-3 | |
| Chloroform | 1.8 ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 563-58-6 | L3 |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 11/20/10 04:50 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 11/20/10 04:50 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-15 | | Lab ID: 10143717003 | Collected: 11/18/10 12:00 | Received: 11/19/10 12:32 | Matrix: Water | | | |
|--------------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 11/20/10 04:50 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 103-65-1 | L3 |
| Styrene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 79-34-5 | |
| Tetrachloroethene | 3.3 | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 11/20/10 04:50 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 2.0 | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 11/20/10 04:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 11/20/10 04:50 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 11/20/10 04:50 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 11/20/10 04:50 | 95-47-6 | |
| Dibromofluoromethane (S) | 106 | % | 75-130 | 1 | | 11/20/10 04:50 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 75-131 | 1 | | 11/20/10 04:50 | 17060-07-0 | |
| Toluene-d8 (S) | 95 | % | 75-125 | 1 | | 11/20/10 04:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 94 | % | 75-125 | 1 | | 11/20/10 04:50 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-18 | Lab ID: 10143717004 | Collected: 11/18/10 12:30 | Received: 11/19/10 12:32 | 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 | | 11/23/10 02:05 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 11/23/10 02:05 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 11/23/10 02:05 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 11/23/10 02:05 | 1634-04-4 | |

Date: 12/01/2010 11:32 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-18 | | Lab ID: 10143717004 | Collected: 11/18/10 12:30 | Received: 11/19/10 12:32 | Matrix: Water | | | |
|--------------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 11/23/10 02:05 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 79-34-5 | |
| Tetrachloroethene | 8.6 | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 11/23/10 02:05 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 11/23/10 02:05 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 11/23/10 02:05 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 11/23/10 02:05 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:05 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 1 | | 11/23/10 02:05 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 110 | % | 75-131 | 1 | | 11/23/10 02:05 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 1 | | 11/23/10 02:05 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 106 | % | 75-125 | 1 | | 11/23/10 02:05 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-17 | | Lab ID: 10143717005 | Collected: 11/18/10 13:00 | Received: 11/19/10 12:32 | 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 | | 11/23/10 02:50 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 11/23/10 02:50 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-00-3 | |
| Chloroform | 1.8 | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-35-4 | |
| cis-1,2-Dichloroethene | 2.2 | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 1634-04-4 | |

Date: 12/01/2010 11:32 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

Sample: MW-17 **Lab ID: 10143717005** Collected: 11/18/10 13:00 Received: 11/19/10 12:32 Matrix: Water

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|--------------------------------|-------------|-----------------------------|--------------|----|----------|----------------|-------------|------|
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 11/23/10 02:50 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 79-34-5 | |
| Tetrachloroethene | 209 | ug/L | 2.0 | 2 | | 11/29/10 21:19 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 11/23/10 02:50 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 25.1 | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 11/23/10 02:50 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 11/23/10 02:50 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 11/23/10 02:50 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 11/23/10 02:50 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 | % | 75-130 | 1 | | 11/23/10 02:50 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 110 | % | 75-131 | 1 | | 11/23/10 02:50 | 17060-07-0 | |
| Toluene-d8 (S) | 96 | % | 75-125 | 1 | | 11/23/10 02:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 105 | % | 75-125 | 1 | | 11/23/10 02:50 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-20 | Lab ID: 10143717006 | Collected: 11/18/10 13:30 | Received: 11/19/10 12:32 | 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 | | 11/23/10 03:12 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 11/23/10 03:12 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 11/23/10 03:12 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 11/23/10 03:12 | 1634-04-4 | |

Date: 12/01/2010 11:32 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-20 | | Lab ID: 10143717006 | Collected: 11/18/10 13:30 | Received: 11/19/10 12:32 | Matrix: Water | | | |
|--------------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 11/23/10 03:12 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 79-34-5 | |
| Tetrachloroethene | 50.9 | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 11/23/10 03:12 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 2.7 | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 11/23/10 03:12 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 11/23/10 03:12 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 11/23/10 03:12 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 11/23/10 03:12 | 95-47-6 | |
| Dibromofluoromethane (S) | 111 | % | 75-130 | 1 | | 11/23/10 03:12 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 112 | % | 75-131 | 1 | | 11/23/10 03:12 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 1 | | 11/23/10 03:12 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 104 | % | 75-125 | 1 | | 11/23/10 03:12 | 460-00-4 | |

ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-16 | Lab ID: 10143717007 | Collected: 11/18/10 14:00 | Received: 11/19/10 12:32 | 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 | | 11/23/10 05:48 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 107-05-1 | |
| Benzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-27-4 | |
| Bromoform | ND | ug/L | 40.0 | 5 | | 11/23/10 05:48 | 75-25-2 | |
| Bromomethane | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 108-90-7 | |
| Chloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 67-66-3 | |
| Chloromethane | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-35-4 | |
| cis-1,2-Dichloroethene | 12.6 | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 1634-04-4 | |

Date: 12/01/2010 11:32 AM

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Sample: MW-16 | | Lab ID: 10143717007 | Collected: 11/18/10 14:00 | Received: 11/19/10 12:32 | Matrix: Water | | | |
|--------------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|-------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 20.0 | 5 | | 11/23/10 05:48 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 79-34-5 | |
| Tetrachloroethene | 2120 | ug/L | 20.0 | 20 | | 11/29/10 21:41 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 5 | | 11/23/10 05:48 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 127 | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 2.0 | 5 | | 11/23/10 05:48 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 15.0 | 5 | | 11/23/10 05:48 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 5 | | 11/23/10 05:48 | 179601-23-1 | |
| o-Xylene | ND | ug/L | 5.0 | 5 | | 11/23/10 05:48 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 5 | | 11/23/10 05:48 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 114 | % | 75-131 | 5 | | 11/23/10 05:48 | 17060-07-0 | |
| Toluene-d8 (S) | 97 | % | 75-125 | 5 | | 11/23/10 05:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 75-125 | 5 | | 11/23/10 05:48 | 460-00-4 | |

QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

QC Batch: MSV/15856 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10143717002, 10143717003

METHOD BLANK: 896108 Matrix: Water

Associated Lab Samples: 10143717002, 10143717003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Acetone | ug/L | ND | 10.0 | 11/20/10 00:43 | |
| Allyl chloride | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Benzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Bromobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Bromochloromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Bromoform | ug/L | ND | 8.0 | 11/20/10 00:43 | |
| Bromomethane | ug/L | ND | 4.0 | 11/20/10 00:43 | CL |
| Carbon tetrachloride | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Chlorobenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Chloroethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Chloroform | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Chloromethane | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Dibromomethane | ug/L | ND | 4.0 | 11/20/10 00:43 | |

Date: 12/01/2010 11:32 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

METHOD BLANK: 896108

Matrix: Water

Associated Lab Samples: 10143717002, 10143717003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Ethylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| m&p-Xylene | ug/L | ND | 2.0 | 11/20/10 00:43 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Methylene Chloride | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Naphthalene | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| o-Xylene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Styrene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 11/20/10 00:43 | |
| Toluene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 11/20/10 00:43 | |
| Trichloroethene | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 11/20/10 00:43 | |
| Vinyl chloride | ug/L | ND | 0.40 | 11/20/10 00:43 | |
| Xylene (Total) | ug/L | ND | 3.0 | 11/20/10 00:43 | |
| 1,2-Dichloroethane-d4 (S) | % | 111 | 75-131 | 11/20/10 00:43 | |
| 4-Bromofluorobenzene (S) | % | 101 | 75-125 | 11/20/10 00:43 | |
| Dibromofluoromethane (S) | % | 108 | 75-130 | 11/20/10 00:43 | |
| Toluene-d8 (S) | % | 100 | 75-125 | 11/20/10 00:43 | |

LABORATORY CONTROL SAMPLE: 896109

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 54.9 | 110 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 61.2 | 122 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 50.5 | 101 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 53.0 | 106 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 59.8 | 120 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 58.7 | 117 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 60.6 | 121 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 62.9 | 126 | 69-125 | L0 |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 51.7 | 103 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 50.4 | 101 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 58.3 | 117 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

LABORATORY CONTROL SAMPLE: 896109

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 54.8 | 110 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 48.9 | 98 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 51.3 | 103 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 55.7 | 111 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 54.5 | 109 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 54.0 | 108 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 62.0 | 124 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 57.1 | 114 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 54.1 | 108 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 55.9 | 112 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 61.8 | 124 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 45.4 | 91 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 60.5 | 121 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 59.0 | 118 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 47.3 | 95 | 65-132 | |
| Acetone | ug/L | 125 | 170 | 136 | 36-126 | CH,L0 |
| Allyl chloride | ug/L | 50 | 68.2 | 136 | 64-137 | |
| Benzene | ug/L | 50 | 60.1 | 120 | 75-125 | |
| Bromobenzene | ug/L | 50 | 54.5 | 109 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 51.9 | 104 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 53.8 | 108 | 75-125 | |
| Bromoform | ug/L | 50 | 52.5 | 105 | 72-131 | |
| Bromomethane | ug/L | 50 | 46.1 | 92 | 30-150 | CL |
| Carbon tetrachloride | ug/L | 50 | 59.9 | 120 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 55.4 | 111 | 75-125 | |
| Chloroethane | ug/L | 50 | 59.5 | 119 | 56-137 | |
| Chloroform | ug/L | 50 | 56.9 | 114 | 75-125 | |
| Chloromethane | ug/L | 50 | 51.7 | 103 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 58.8 | 118 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 55.7 | 111 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 54.0 | 108 | 75-125 | |
| Dibromomethane | ug/L | 50 | 51.0 | 102 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 59.0 | 118 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 59.1 | 118 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 57.6 | 115 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 59.7 | 119 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 27.2 | 109 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 54.6 | 109 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 119 | 119 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 54.7 | 109 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 56.2 | 112 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 56.8 | 114 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 63.9 | 128 | 75-125 | L0 |
| Naphthalene | ug/L | 50 | 50.5 | 101 | 69-130 | |
| o-Xylene | ug/L | 50 | 59.4 | 119 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 55.0 | 110 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 62.0 | 124 | 75-125 | |
| Styrene | ug/L | 50 | 52.9 | 106 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

LABORATORY CONTROL SAMPLE: 896109

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 55.9 | 112 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 55.2 | 110 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 507 | 101 | 64-135 | |
| Toluene | ug/L | 50 | 57.3 | 115 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 59.6 | 119 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 51.8 | 104 | 75-125 | |
| Trichloroethene | ug/L | 50 | 55.3 | 111 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 58.6 | 117 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 61.3 | 123 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 179 | 119 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 101 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 108 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 102 | 75-130 | |
| Toluene-d8 (S) | % | | | 101 | 75-125 | |

MATRIX SPIKE SAMPLE: 896117

| Parameter | Units | 10143395002 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 56.1 | 112 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 65.7 | 131 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 54.8 | 110 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 57.6 | 115 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 70.4 | 141 | 47-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 62.0 | 124 | 71-131 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 66.6 | 133 | 66-145 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 69.2 | 138 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 54.6 | 109 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 56.5 | 113 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 58.2 | 116 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 56.6 | 113 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 57.0 | 114 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 56.7 | 113 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 57.1 | 114 | 72-131 | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 56.2 | 112 | 62-148 | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 57.7 | 115 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 62.2 | 124 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 56.3 | 113 | 73-130 | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 59.1 | 118 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 55.7 | 111 | 71-132 | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 67.2 | 134 | 50-150 | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 53.7 | 107 | 46-140 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 60.7 | 121 | 74-131 | |
| 4-Chlorotoluene | ug/L | ND | 50 | 60.9 | 122 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 55.9 | 112 | 59-145 | |
| Acetone | ug/L | ND | 125 | 148 | 118 | 36-126 | CH |
| Allyl chloride | ug/L | ND | 50 | 67.6 | 135 | 50-148 | |
| Benzene | ug/L | ND | 50 | 64.7 | 129 | 70-133 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10143717

| MATRIX SPIKE SAMPLE: 896117 | | 10143395002 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Bromobenzene | ug/L | ND | 50 | 55.4 | 111 | 72-129 | |
| Bromochloromethane | ug/L | ND | 50 | 54.3 | 109 | 69-137 | |
| Bromodichloromethane | ug/L | ND | 50 | 57.3 | 115 | 73-134 | |
| Bromoform | ug/L | ND | 50 | 57.2 | 114 | 56-144 | |
| Bromomethane | ug/L | ND | 50 | 54.0 | 108 | 30-150 | CL |
| Carbon tetrachloride | ug/L | ND | 50 | 65.9 | 132 | 55-150 | |
| Chlorobenzene | ug/L | ND | 50 | 58.3 | 117 | 71-132 | |
| Chloroethane | ug/L | ND | 50 | 62.2 | 124 | 50-150 | |
| Chloroform | ug/L | ND | 50 | 60.5 | 121 | 68-138 | |
| Chloromethane | ug/L | ND | 50 | 53.9 | 108 | 61-148 | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 61.9 | 124 | 68-135 | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 58.7 | 117 | 70-134 | |
| Dibromochloromethane | ug/L | ND | 50 | 57.6 | 115 | 67-135 | |
| Dibromomethane | ug/L | ND | 50 | 55.3 | 111 | 74-130 | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 68.8 | 138 | 44-150 | |
| Dichlorofluoromethane | ug/L | ND | 50 | 64.2 | 128 | 67-145 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 60.2 | 120 | 69-132 | |
| Ethylbenzene | ug/L | ND | 50 | 62.7 | 125 | 66-133 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 28.3 | 113 | 59-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 59.6 | 119 | 71-140 | |
| m&p-Xylene | ug/L | ND | 100 | 124 | 124 | 63-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 62.1 | 124 | 62-143 | |
| Methylene Chloride | ug/L | ND | 50 | 58.7 | 117 | 69-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 57.8 | 116 | 73-140 | |
| n-Propylbenzene | ug/L | ND | 50 | 64.0 | 128 | 71-136 | |
| Naphthalene | ug/L | ND | 50 | 56.5 | 113 | 55-147 | |
| o-Xylene | ug/L | ND | 50 | 62.9 | 126 | 66-132 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 56.1 | 112 | 69-138 | |
| sec-Butylbenzene | ug/L | ND | 50 | 62.9 | 126 | 73-140 | |
| Styrene | ug/L | ND | 50 | 55.0 | 110 | 68-138 | |
| tert-Butylbenzene | ug/L | ND | 50 | 58.0 | 116 | 70-138 | |
| Tetrachloroethene | ug/L | ND | 50 | 58.6 | 117 | 70-138 | |
| Tetrahydrofuran | ug/L | ND | 500 | 606 | 121 | 54-148 | |
| Toluene | ug/L | ND | 50 | 60.2 | 120 | 65-127 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 63.0 | 126 | 67-131 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 57.5 | 115 | 64-138 | |
| Trichloroethene | ug/L | ND | 50 | 58.5 | 117 | 70-133 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 64.5 | 129 | 59-150 | |
| Vinyl chloride | ug/L | ND | 50 | 66.8 | 134 | 59-150 | |
| Xylene (Total) | ug/L | ND | 150 | 187 | 125 | 65-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 99 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | | 104 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 102 | 75-130 | |
| Toluene-d8 (S) | % | | | | 100 | 75-125 | |

QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

SAMPLE DUPLICATE: 896118

| Parameter | Units | 10143395003 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 | CL |
| 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 | .5J | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | 4.1 | 4.3 | 3 | 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.: 10143717

SAMPLE DUPLICATE: 896118

| Parameter | Units | 10143395003 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | 2.1 | 1.2J | | 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 | .15J | | 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 | 1.3J | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 113 | 111 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 95 | 97 | 2 | | |
| Dibromofluoromethane (S) | % | 105 | 106 | 1 | | |
| Toluene-d8 (S) | % | 90 | 90 | .3 | | |

QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10143717

QC Batch: MSV/15865 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10143717001, 10143717004, 10143717005, 10143717006, 10143717007

METHOD BLANK: 896672 Matrix: Water
Associated Lab Samples: 10143717001, 10143717004, 10143717005, 10143717006, 10143717007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Acetone | ug/L | ND | 10.0 | 11/23/10 01:21 | |
| Allyl chloride | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Benzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Bromobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Bromochloromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Bromoform | ug/L | ND | 8.0 | 11/23/10 01:21 | |
| Bromomethane | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Chlorobenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Chloroethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Chloroform | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Chloromethane | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Dibromomethane | ug/L | ND | 4.0 | 11/23/10 01:21 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

METHOD BLANK: 896672

Matrix: Water

Associated Lab Samples: 10143717001, 10143717004, 10143717005, 10143717006, 10143717007

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Ethylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| m&p-Xylene | ug/L | ND | 2.0 | 11/23/10 01:21 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Methylene Chloride | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Naphthalene | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| o-Xylene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Styrene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 11/23/10 01:21 | |
| Toluene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 11/23/10 01:21 | |
| Trichloroethene | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 11/23/10 01:21 | |
| Vinyl chloride | ug/L | ND | 0.40 | 11/23/10 01:21 | |
| Xylene (Total) | ug/L | ND | 3.0 | 11/23/10 01:21 | |
| 1,2-Dichloroethane-d4 (S) | % | 106 | 75-131 | 11/23/10 01:21 | |
| 4-Bromofluorobenzene (S) | % | 104 | 75-125 | 11/23/10 01:21 | |
| Dibromofluoromethane (S) | % | 106 | 75-130 | 11/23/10 01:21 | |
| Toluene-d8 (S) | % | 100 | 75-125 | 11/23/10 01:21 | |

LABORATORY CONTROL SAMPLE: 896673

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 52.2 | 104 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 53.5 | 107 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 50.7 | 101 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 54.3 | 109 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 49.8 | 100 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 51.7 | 103 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 54.6 | 109 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 55.4 | 111 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 48.5 | 97 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 52.8 | 106 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 49.0 | 98 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

LABORATORY CONTROL SAMPLE: 896673

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 51.8 | 104 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 52.3 | 105 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 51.6 | 103 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 50.0 | 100 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 52.1 | 104 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.0 | 104 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 50.3 | 101 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 52.1 | 104 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.7 | 99 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 49.8 | 100 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 57.3 | 115 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 50.9 | 102 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 57.6 | 115 | 65-132 | |
| Acetone | ug/L | 125 | 143 | 114 | 36-126 | |
| Allyl chloride | ug/L | 50 | 51.8 | 104 | 64-137 | |
| Benzene | ug/L | 50 | 53.4 | 107 | 75-125 | |
| Bromobenzene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 53.3 | 107 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 51.9 | 104 | 75-125 | |
| Bromoform | ug/L | 50 | 53.0 | 106 | 72-131 | |
| Bromomethane | ug/L | 50 | 51.1 | 102 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 52.6 | 105 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 51.7 | 103 | 75-125 | |
| Chloroethane | ug/L | 50 | 58.2 | 116 | 56-137 | |
| Chloroform | ug/L | 50 | 51.8 | 104 | 75-125 | |
| Chloromethane | ug/L | 50 | 58.6 | 117 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 53.2 | 106 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 52.5 | 105 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 53.0 | 106 | 75-125 | |
| Dibromomethane | ug/L | 50 | 52.5 | 105 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 53.4 | 107 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 53.5 | 107 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 53.5 | 107 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 52.9 | 106 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 25.2 | 101 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 53.8 | 108 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 107 | 107 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 51.4 | 103 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 52.6 | 105 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 52.0 | 104 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 52.0 | 104 | 75-125 | |
| Naphthalene | ug/L | 50 | 52.9 | 106 | 69-130 | |
| o-Xylene | ug/L | 50 | 53.6 | 107 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 52.1 | 104 | 75-125 | |
| Styrene | ug/L | 50 | 53.6 | 107 | 75-125 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

LABORATORY CONTROL SAMPLE: 896673

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 51.6 | 103 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 51.8 | 104 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 573 | 115 | 64-135 | |
| Toluene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 51.9 | 104 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 54.5 | 109 | 75-125 | |
| Trichloroethene | ug/L | 50 | 54.3 | 109 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 56.9 | 114 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 57.5 | 115 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 161 | 107 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 104 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 97 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 103 | 75-130 | |
| Toluene-d8 (S) | % | | | 102 | 75-125 | |

MATRIX SPIKE SAMPLE: 896733

| Parameter | Units | 10143717001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 51.9 | 104 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 54.9 | 110 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 49.2 | 98 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 52.8 | 106 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 62.1 | 124 | 47-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 50.8 | 102 | 71-131 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 56.4 | 113 | 66-145 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 57.3 | 115 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 46.7 | 93 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 51.0 | 102 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 48.4 | 97 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 50.1 | 100 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 53.2 | 106 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 51.1 | 102 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 48.2 | 96 | 72-131 | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 50.9 | 102 | 62-148 | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 51.4 | 103 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 51.3 | 103 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 49.3 | 99 | 73-130 | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 51.1 | 102 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 48.7 | 97 | 71-132 | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 49.5 | 99 | 50-150 | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 50.8 | 102 | 46-140 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 50.7 | 101 | 74-131 | |
| 4-Chlorotoluene | ug/L | ND | 50 | 50.5 | 101 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 56.1 | 112 | 59-145 | |
| Acetone | ug/L | ND | 125 | 112 | 90 | 36-126 | |
| Allyl chloride | ug/L | ND | 50 | 53.0 | 106 | 50-148 | |
| Benzene | ug/L | ND | 50 | 52.7 | 105 | 70-133 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10143717

| MATRIX SPIKE SAMPLE: | | 896733 | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|
| Parameter | Units | 10143717001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
| Bromobenzene | ug/L | ND | 50 | 48.6 | 97 | 72-129 | |
| Bromochloromethane | ug/L | ND | 50 | 52.8 | 106 | 69-137 | |
| Bromodichloromethane | ug/L | ND | 50 | 51.7 | 103 | 73-134 | |
| Bromoform | ug/L | ND | 50 | 51.7 | 103 | 56-144 | |
| Bromomethane | ug/L | ND | 50 | 49.7 | 99 | 30-150 | |
| Carbon tetrachloride | ug/L | ND | 50 | 54.4 | 109 | 55-150 | |
| Chlorobenzene | ug/L | ND | 50 | 51.3 | 103 | 71-132 | |
| Chloroethane | ug/L | ND | 50 | 57.2 | 114 | 50-150 | |
| Chloroform | ug/L | ND | 50 | 52.2 | 104 | 68-138 | |
| Chloromethane | ug/L | ND | 50 | 57.4 | 115 | 61-148 | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 51.1 | 102 | 68-135 | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 50.1 | 100 | 70-134 | |
| Dibromochloromethane | ug/L | ND | 50 | 52.0 | 104 | 67-135 | |
| Dibromomethane | ug/L | ND | 50 | 52.2 | 104 | 74-130 | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 62.4 | 125 | 44-150 | |
| Dichlorofluoromethane | ug/L | ND | 50 | 53.3 | 107 | 67-145 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 52.5 | 105 | 69-132 | |
| Ethylbenzene | ug/L | ND | 50 | 53.3 | 107 | 66-133 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 25.8 | 103 | 59-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 54.7 | 109 | 71-140 | |
| m&p-Xylene | ug/L | ND | 100 | 106 | 106 | 63-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 49.7 | 99 | 62-143 | |
| Methylene Chloride | ug/L | ND | 50 | 52.3 | 105 | 69-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 52.2 | 104 | 73-140 | |
| n-Propylbenzene | ug/L | ND | 50 | 52.2 | 104 | 71-136 | |
| Naphthalene | ug/L | ND | 50 | 51.6 | 103 | 55-147 | |
| o-Xylene | ug/L | ND | 50 | 53.9 | 108 | 66-132 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 52.5 | 105 | 69-138 | |
| sec-Butylbenzene | ug/L | ND | 50 | 52.6 | 105 | 73-140 | |
| Styrene | ug/L | ND | 50 | 49.6 | 99 | 68-138 | |
| tert-Butylbenzene | ug/L | ND | 50 | 51.8 | 104 | 70-138 | |
| Tetrachloroethene | ug/L | 4.8 | 50 | 58.5 | 107 | 70-138 | |
| Tetrahydrofuran | ug/L | ND | 500 | 549 | 110 | 54-148 | |
| Toluene | ug/L | ND | 50 | 52.0 | 104 | 65-127 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 51.9 | 104 | 67-131 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 52.8 | 106 | 64-138 | |
| Trichloroethene | ug/L | ND | 50 | 55.5 | 111 | 70-133 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 62.2 | 124 | 59-150 | |
| Vinyl chloride | ug/L | ND | 50 | 58.1 | 116 | 59-150 | |
| Xylene (Total) | ug/L | ND | 150 | 160 | 107 | 65-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 101 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | | 100 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 101 | 75-130 | |
| Toluene-d8 (S) | % | | | | 101 | 75-125 | |

QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

SAMPLE DUPLICATE: 896734

| Parameter | Units | 10143717004 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 | .8J | | 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 | |

Date: 12/01/2010 11:32 AM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10143717

SAMPLE DUPLICATE: 896734

| Parameter | Units | 10143717004 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 | 8.6 | 7.2 | 18 | 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) | % | 110 | 107 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 106 | 102 | 4 | | |
| Dibromofluoromethane (S) | % | 107 | 106 | .9 | | |
| Toluene-d8 (S) | % | 97 | 97 | .7 | | |

QUALIFIERS

Project: CRC City Of Rochester
Pace Project No.: 10143717

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.

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|---|
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high. |
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| H1 | Analysis conducted outside the recognized method holding time. |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City Of Rochester

Pace Project No.: 10143717

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-----------|-----------------|-----------|-------------------|------------------|
| 10143717001 | MW-19 | EPA 8260 | MSV/15865 | | |
| 10143717002 | MW-14 | EPA 8260 | MSV/15856 | | |
| 10143717003 | MW-15 | EPA 8260 | MSV/15856 | | |
| 10143717004 | MW-18 | EPA 8260 | MSV/15865 | | |
| 10143717005 | MW-17 | EPA 8260 | MSV/15865 | | |
| 10143717006 | MW-20 | EPA 8260 | MSV/15865 | | |
| 10143717007 | MW-16 | EPA 8260 | MSV/15865 | | |



Sample Condition Upon Receipt

Client Name: Landmark Env.

Project # 10143717

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Optional:
Proj. Dir. Date
Proj. Name

Custody Seal on Cooler/Box Present: yes no Seals Intact: yes no

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

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

Cooler Temperature 5.9 Biological Tissue Is Frozen: Yes No

Date and Initials of person examining contents: 11/19/10 mp

Temp should be above freezing to 6°C

Comments: _____

| | | |
|---|--|-----|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody ReInquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: <u>WT</u> | | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | |
| Exceptions: <u>VOA</u> , Coliform, TOC, Oil and Grease, WI-DRO (water) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Headspace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): _____ | | |

HNO3 H2SO4 NaOH HCl

Samp # _____
Initial when completed mp Lot # of added preservative _____

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CD

Date: 11/22/10



AIR Sample Condition Upon Receipt

Client Name: Landmark Project # 10143717

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: _____

| | | |
|-----------------------------------|---|-----|
| Chain of Custody Present: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Media: | | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> 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 |
| | 0725 | | | | | | |
| | 0597 | | | | | | |
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Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: LOG CANS IN ON HOLD

Per Eric Cabnelson samples not collected - can returns.

Project Manager Review: [Signature] Date: 11/19/10

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)
A106 Rev.01 (22May2009)

October 26, 2010

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

RE: Project: City of Rochester
Pace Project No.: 10140962

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: City of Rochester

Pace Project No.: 10140962

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nebraska Certification #: Pace

Nevada Certification #: MN_00064

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: City of Rochester
Pace Project No.: 10140962

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10140962001 | DPE-EXHAUST-0965 | Air | 10/18/10 15:35 | 10/19/10 12:55 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: City of Rochester
Pace Project No.: 10140962

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10140962001 | DPE-EXHAUST-0965 | TO-15 | DR1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10140962

| Sample: DPE-EXHAUST-0965 | Lab ID: 10140962001 | Collected: 10/18/10 15:35 | Received: 10/19/10 12:55 | Matrix: Air | | | | |
|-----------------------------|---------------------|---------------------------|--------------------------|-------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Acetone | 227 | ug/m3 | 63.7 | 132.8 | | 10/25/10 15:09 | 67-64-1 | |
| Benzene | ND | ug/m3 | 86.3 | 132.8 | | 10/25/10 15:09 | 71-43-2 | |
| Benzyl chloride | ND | ug/m3 | 139 | 132.8 | | 10/25/10 15:09 | 100-44-7 | |
| Bromodichloromethane | ND | ug/m3 | 186 | 132.8 | | 10/25/10 15:09 | 75-27-4 | |
| Bromoform | ND | ug/m3 | 279 | 132.8 | | 10/25/10 15:09 | 75-25-2 | |
| Bromomethane | ND | ug/m3 | 105 | 132.8 | | 10/25/10 15:09 | 74-83-9 | |
| 1,3-Butadiene | ND | ug/m3 | 59.8 | 132.8 | | 10/25/10 15:09 | 106-99-0 | |
| 2-Butanone (MEK) | 1120 | ug/m3 | 79.7 | 132.8 | | 10/25/10 15:09 | 78-93-3 | |
| Carbon disulfide | ND | ug/m3 | 83.7 | 132.8 | | 10/25/10 15:09 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/m3 | 173 | 132.8 | | 10/25/10 15:09 | 56-23-5 | |
| Chlorobenzene | ND | ug/m3 | 125 | 132.8 | | 10/25/10 15:09 | 108-90-7 | |
| Chloroethane | ND | ug/m3 | 71.7 | 132.8 | | 10/25/10 15:09 | 75-00-3 | |
| Chloroform | ND | ug/m3 | 131 | 132.8 | | 10/25/10 15:09 | 67-66-3 | |
| Chloromethane | ND | ug/m3 | 55.8 | 132.8 | | 10/25/10 15:09 | 74-87-3 | |
| Cyclohexane | ND | ug/m3 | 90.3 | 132.8 | | 10/25/10 15:09 | 110-82-7 | |
| Dibromochloromethane | ND | ug/m3 | 226 | 132.8 | | 10/25/10 15:09 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 212 | 132.8 | | 10/25/10 15:09 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 159 | 132.8 | | 10/25/10 15:09 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 159 | 132.8 | | 10/25/10 15:09 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 159 | 132.8 | | 10/25/10 15:09 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/m3 | 133 | 132.8 | | 10/25/10 15:09 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/m3 | 109 | 132.8 | | 10/25/10 15:09 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/m3 | 109 | 132.8 | | 10/25/10 15:09 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/m3 | 108 | 132.8 | | 10/25/10 15:09 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/m3 | 108 | 132.8 | | 10/25/10 15:09 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 108 | 132.8 | | 10/25/10 15:09 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/m3 | 125 | 132.8 | | 10/25/10 15:09 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 122 | 132.8 | | 10/25/10 15:09 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 122 | 132.8 | | 10/25/10 15:09 | 10061-02-6 | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 186 | 132.8 | | 10/25/10 15:09 | 76-14-2 | |
| Ethanol | ND | ug/m3 | 252 | 132.8 | | 10/25/10 15:09 | 64-17-5 | |
| Ethyl acetate | ND | ug/m3 | 96.9 | 132.8 | | 10/25/10 15:09 | 141-78-6 | |
| Ethylbenzene | ND | ug/m3 | 117 | 132.8 | | 10/25/10 15:09 | 100-41-4 | |
| 4-Ethyltoluene | ND | ug/m3 | 332 | 132.8 | | 10/25/10 15:09 | 622-96-8 | |
| n-Heptane | ND | ug/m3 | 110 | 132.8 | | 10/25/10 15:09 | 142-82-5 | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 292 | 132.8 | | 10/25/10 15:09 | 87-68-3 | |
| n-Hexane | ND | ug/m3 | 95.6 | 132.8 | | 10/25/10 15:09 | 110-54-3 | |
| 2-Hexanone | ND | ug/m3 | 110 | 132.8 | | 10/25/10 15:09 | 591-78-6 | |
| Methylene Chloride | ND | ug/m3 | 94.3 | 132.8 | | 10/25/10 15:09 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 110 | 132.8 | | 10/25/10 15:09 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/m3 | 96.9 | 132.8 | | 10/25/10 15:09 | 1634-04-4 | |
| Naphthalene | ND | ug/m3 | 359 | 132.8 | | 10/25/10 15:09 | 91-20-3 | |
| 2-Propanol | 484 | ug/m3 | 332 | 132.8 | | 10/25/10 15:09 | 67-63-0 | |
| Propylene | ND | ug/m3 | 46.5 | 132.8 | | 10/25/10 15:09 | 115-07-1 | |
| Styrene | ND | ug/m3 | 116 | 132.8 | | 10/25/10 15:09 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 186 | 132.8 | | 10/25/10 15:09 | 79-34-5 | |
| Tetrachloroethene | 1300 | ug/m3 | 186 | 132.8 | | 10/25/10 15:09 | 127-18-4 | |

Date: 10/26/2010 04:23 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10140962

| Sample: DPE-EXHAUST-0965 | | Lab ID: 10140962001 | Collected: 10/18/10 15:35 | Received: 10/19/10 12:55 | Matrix: Air | | | |
|--------------------------------|--------------|--------------------------|---------------------------|--------------------------|-------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | ND | ug/m3 | 79.7 | 132.8 | | 10/25/10 15:09 | 109-99-9 | SS |
| Toluene | 102 | ug/m3 | 102 | 132.8 | | 10/25/10 15:09 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 131 | 132.8 | | 10/25/10 15:09 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/m3 | 146 | 132.8 | | 10/25/10 15:09 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 146 | 132.8 | | 10/25/10 15:09 | 79-00-5 | |
| Trichloroethene | ND | ug/m3 | 146 | 132.8 | | 10/25/10 15:09 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 146 | 132.8 | | 10/25/10 15:09 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 16300 | ug/m3 | 212 | 132.8 | | 10/25/10 15:09 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | 153 | ug/m3 | 133 | 132.8 | | 10/25/10 15:09 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 133 | 132.8 | | 10/25/10 15:09 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 94.3 | 132.8 | | 10/25/10 15:09 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 69.1 | 132.8 | | 10/25/10 15:09 | 75-01-4 | |
| m&p-Xylene | ND | ug/m3 | 234 | 132.8 | | 10/25/10 15:09 | 1330-20-7 | |
| o-Xylene | ND | ug/m3 | 117 | 132.8 | | 10/25/10 15:09 | 95-47-6 | |

QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10140962

QC Batch: AIR/11137

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: TO15 MSV AIR Low Level

Associated Lab Samples: 10140962001

METHOD BLANK: 878644

Matrix: Air

Associated Lab Samples: 10140962001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 10/25/10 12:01 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 10/25/10 12:01 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 10/25/10 12:01 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 10/25/10 12:01 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 10/25/10 12:01 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 10/25/10 12:01 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 10/25/10 12:01 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 1.0 | 10/25/10 12:01 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 10/25/10 12:01 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/25/10 12:01 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 10/25/10 12:01 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 10/25/10 12:01 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 1.0 | 10/25/10 12:01 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 10/25/10 12:01 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/25/10 12:01 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/25/10 12:01 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 10/25/10 12:01 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 10/25/10 12:01 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 10/25/10 12:01 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 10/25/10 12:01 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 10/25/10 12:01 | |
| Acetone | ug/m3 | ND | 0.48 | 10/25/10 12:01 | |
| Benzene | ug/m3 | ND | 0.65 | 10/25/10 12:01 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 10/25/10 12:01 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 10/25/10 12:01 | |
| Bromoform | ug/m3 | ND | 2.1 | 10/25/10 12:01 | |
| Bromomethane | ug/m3 | ND | 0.79 | 10/25/10 12:01 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 10/25/10 12:01 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 10/25/10 12:01 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 10/25/10 12:01 | |
| Chloroethane | ug/m3 | ND | 0.54 | 10/25/10 12:01 | |
| Chloroform | ug/m3 | ND | 0.99 | 10/25/10 12:01 | |
| Chloromethane | ug/m3 | ND | 0.42 | 10/25/10 12:01 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 10/25/10 12:01 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 10/25/10 12:01 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 10/25/10 12:01 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 10/25/10 12:01 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 10/25/10 12:01 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 10/25/10 12:01 | |
| Ethanol | ug/m3 | ND | 1.9 | 10/25/10 12:01 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 10/25/10 12:01 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 10/25/10 12:01 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 10/25/10 12:01 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10140962

METHOD BLANK: 878644

Matrix: Air

Associated Lab Samples: 10140962001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 10/25/10 12:01 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 10/25/10 12:01 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 10/25/10 12:01 | |
| n-Heptane | ug/m3 | ND | 0.83 | 10/25/10 12:01 | |
| n-Hexane | ug/m3 | ND | 0.72 | 10/25/10 12:01 | |
| Naphthalene | ug/m3 | ND | 2.7 | 10/25/10 12:01 | |
| o-Xylene | ug/m3 | ND | 0.88 | 10/25/10 12:01 | |
| Propylene | ug/m3 | ND | 0.35 | 10/25/10 12:01 | |
| Styrene | ug/m3 | ND | 0.87 | 10/25/10 12:01 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 10/25/10 12:01 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 10/25/10 12:01 | SS |
| Toluene | ug/m3 | ND | 0.77 | 10/25/10 12:01 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 10/25/10 12:01 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 10/25/10 12:01 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 10/25/10 12:01 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 10/25/10 12:01 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 10/25/10 12:01 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 10/25/10 12:01 | |

LABORATORY CONTROL SAMPLE: 878645

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 48.6 | 88 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 63.4 | 91 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 45.3 | 82 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 63.3 | 81 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 35.7 | 87 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 35.6 | 88 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 117 | 154 | 30-150 | CH,L3 |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 40.3 | 81 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 75.3 | 96 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 71.3 | 117 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 35.5 | 86 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 41.7 | 89 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 49.5 | 99 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 21.6 | 96 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 62.9 | 103 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 56.7 | 93 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 29.4 | 98 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 40.0 | 96 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 21.2 | 89 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 52.5 | 105 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 39.2 | 94 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 18.6 | 77 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 30.2 | 93 | 71-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10140962

LABORATORY CONTROL SAMPLE: 878645

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 62.6 | 119 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 60.7 | 89 | 66-136 | |
| Bromoform | ug/m3 | 105 | 109 | 103 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 33.7 | 85 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 27.9 | 88 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 54.7 | 85 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 41.0 | 87 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 23.3 | 87 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 41.5 | 84 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 17.5 | 83 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 38.6 | 96 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 48.7 | 106 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 36.1 | 103 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 83.2 | 96 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 40.1 | 80 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 56.6 | 80 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 15.7 | 82 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 38.0 | 104 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 48.2 | 109 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 187 | 172 | 30-150 | CH,L3 |
| m&p-Xylene | ug/m3 | 44.2 | 41.0 | 93 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 38.1 | 104 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 32.9 | 93 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 41.9 | 101 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 30.5 | 85 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 86.1 | 161 | 30-150 | CH,L3 |
| o-Xylene | ug/m3 | 44.2 | 43.5 | 98 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 18.7 | 107 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 40.4 | 93 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 61.3 | 89 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 32.1 | 107 | 51-125 | SS |
| Toluene | ug/m3 | 38.3 | 34.2 | 89 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 36.8 | 91 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 43.9 | 95 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 48.5 | 89 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 46.6 | 82 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 37.6 | 105 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 23.4 | 90 | 66-125 | |

SAMPLE DUPLICATE: 879071

| Parameter | Units | 10140862004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | ND | ND | | 30 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10140962

SAMPLE DUPLICATE: 879071

| Parameter | Units | 10140862004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | 1.6 | 1.6 | 2 | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,3-Butadiene | ug/m3 | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | 1.9 | 1.8 | 7 | 30 | |
| 2-Hexanone | ug/m3 | ND | ND | | 30 | |
| 2-Propanol | ug/m3 | 10.3 | 11.0 | 7 | 30 | |
| 4-Ethyltoluene | ug/m3 | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | ND | | 30 | |
| Acetone | ug/m3 | 13.8 | 13.3 | 4 | 30 | |
| Benzene | ug/m3 | 1.5 | 1.4 | 6 | 30 | |
| Benzyl chloride | ug/m3 | ND | ND | | 30 | |
| Bromodichloromethane | ug/m3 | ND | ND | | 30 | |
| Bromoform | ug/m3 | ND | ND | | 30 | |
| Bromomethane | ug/m3 | ND | ND | | 30 | |
| Carbon disulfide | ug/m3 | ND | ND | | 30 | |
| Carbon tetrachloride | ug/m3 | ND | ND | | 30 | |
| Chlorobenzene | ug/m3 | ND | ND | | 30 | |
| Chloroethane | ug/m3 | ND | ND | | 30 | |
| Chloroform | ug/m3 | ND | ND | | 30 | |
| Chloromethane | ug/m3 | 0.83 | 0.81 | 2 | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Cyclohexane | ug/m3 | ND | .58J | | 30 | |
| Dibromochloromethane | ug/m3 | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | 2.2 | 4.5 | 70 | 30 | R1 |
| Dichlorotetrafluoroethane | ug/m3 | ND | ND | | 30 | |
| Ethanol | ug/m3 | 38.3 | 41.2 | 7 | 30 | |
| Ethyl acetate | ug/m3 | ND | ND | | 30 | |
| Ethylbenzene | ug/m3 | ND | .55J | | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | ND | | 30 | |
| m&p-Xylene | ug/m3 | ND | 1.4J | | 30 | |
| Methyl-tert-butyl ether | ug/m3 | ND | ND | | 30 | |
| Methylene Chloride | ug/m3 | ND | ND | | 30 | |
| n-Heptane | ug/m3 | ND | .72J | | 30 | |
| n-Hexane | ug/m3 | 1.5 | 1.1 | 32 | 30 | R1 |
| Naphthalene | ug/m3 | ND | 1.7J | | 30 | |
| o-Xylene | ug/m3 | ND | .72J | | 30 | |
| Propylene | ug/m3 | ND | ND | | 30 | |
| Styrene | ug/m3 | ND | ND | | 30 | |
| Tetrachloroethene | ug/m3 | ND | ND | | 30 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10140962

SAMPLE DUPLICATE: 879071

| Parameter | Units | 10140862004 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrahydrofuran | ug/m3 | ND | ND | | 30 | SS |
| Toluene | ug/m3 | 3.9 | 3.7 | 5 | 30 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Trichloroethene | ug/m3 | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/m3 | 1.3 | 1.4 | 3 | 30 | |
| Vinyl acetate | ug/m3 | 1.2 | 1.3 | 3 | 30 | |
| Vinyl chloride | ug/m3 | ND | ND | | 30 | |

QUALIFIERS

Project: City of Rochester

Pace Project No.: 10140962

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.

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

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

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

SAMPLE QUALIFIERS

Sample: 10140962001

- [1] The Total Hydrocarbon (THC) pattern occurred in the first half of the chromatogram (before toluene).
- [2] This result is reported from a serial dilution

ANALYTE QUALIFIERS

- CH The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high.
- L3 Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
- R1 RPD value was outside control limits.
- SS This analyte did not meet the secondary source verification criteria for the initial calibration. The reported result should be considered an estimated value.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: City of Rochester
Pace Project No.: 10140962

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10140962001 | DPE-EXHAUST-0965 | TO-15 | AIR/11137 | | |



AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10140962

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: 10-19-10 JK

| | | |
|-----------------------------------|--|---|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Media: | <u>AIR (CAN)</u> | 11. |
| Sample Labels match COC: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 12. <u>No I.D. on Sample - will use Can #</u> |

Samples Received: 2 CANS, 2 FCS

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|--------------------|-------------|------------------|--------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>DPE-EXHAUST</u> | <u>0965</u> | | <u>PA288</u> | | | | |
| | | | | | | | |
| | <u>1083</u> | | <u>PA224</u> | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: [Signature] Date: 10/20/10

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)

October 26, 2010

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

RE: Project: CRC City Of Rochester
Pace Project No.: 10140998

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on October 19, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: CRC City Of Rochester

Pace Project No.: 10140998

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nebraska Certification #: Pace

Nevada Certification #: MN_00064

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: CRC City Of Rochester
Pace Project No.: 10140998

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 10140998001 | AS-Influent | Water | 10/18/10 09:30 | 10/19/10 12:10 |
| 10140998002 | AS-Effluent | Water | 10/18/10 09:35 | 10/19/10 12:10 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|---------|----------|-------------------|
| 10140998001 | AS-Influent | EPA 624 | DJT | 82 |
| 10140998002 | AS-Effluent | EPA 624 | DJT | 82 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Sample: AS-Influent | Lab ID: 10140998001 | Collected: 10/18/10 09:30 | Received: 10/19/10 12:10 | 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 | | 10/25/10 16:28 | 67-64-1 | |
| Acrolein | ND ug/L | | 10.0 | 1 | | 10/25/10 16:28 | 107-02-8 | |
| Acrylonitrile | ND ug/L | | 10.0 | 1 | | 10/25/10 16:28 | 107-13-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 10/25/10 16:28 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 74-83-9 | CL,L2 |
| 2-Butanone (MEK) | 4.5 ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 98-06-6 | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-15-0 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 10/25/10 16:28 | 110-75-8 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 74-87-3 | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 126-99-8 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:28 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 10/25/10 16:28 | 87-68-3 | |

Date: 10/26/2010 03:51 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Sample: AS-Influent | | Lab ID: 10140998001 | Collected: 10/18/10 09:30 | Received: 10/19/10 12:10 | 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 | | 10/25/10 16:28 | 591-78-6 | | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:28 | 74-88-4 | | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 98-82-8 | | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 99-87-6 | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/25/10 16:28 | 75-09-2 | | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 10/25/10 16:28 | 91-57-6 | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 10/25/10 16:28 | 108-10-1 | | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 1634-04-4 | | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 10/25/10 16:28 | 91-20-3 | | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 103-65-1 | | |
| Styrene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 100-42-5 | | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 630-20-6 | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 79-34-5 | | |
| Tetrachloroethene | 204 | ug/L | 5.0 | 5 | | 10/26/10 10:33 | 127-18-4 | | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 10/25/10 16:28 | 109-99-9 | | |
| Toluene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 108-88-3 | | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 87-61-6 | | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 120-82-1 | | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 71-55-6 | | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 79-00-5 | | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 79-01-6 | | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 75-69-4 | | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 96-18-4 | | |
| 1,1,2-Trichlorotrifluoroethane | 1.9 | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 76-13-1 | | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 108-67-8 | | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 10/25/10 16:28 | 108-05-4 | | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 10/25/10 16:28 | 75-01-4 | | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 10/25/10 16:28 | 1330-20-7 | | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 10/25/10 16:28 | 1330-20-7 | | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:28 | 95-47-6 | | |
| Dibromofluoromethane (S) | 101 | % | 75-125 | 1 | | 10/25/10 16:28 | 1868-53-7 | | |
| 4-Bromofluorobenzene (S) | 95 | % | 75-125 | 1 | | 10/25/10 16:28 | 460-00-4 | | |
| Toluene-d8 (S) | 93 | % | 75-125 | 1 | | 10/25/10 16:28 | 2037-26-5 | | |
| 1,2-Dichloroethane-d4 (S) | 97 | % | 75-125 | 1 | | 10/25/10 16:28 | 17060-07-0 | | |

| Sample: AS-Effluent | | Lab ID: 10140998002 | Collected: 10/18/10 09:35 | Received: 10/19/10 12:10 | 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 | | 10/25/10 16:03 | 67-64-1 | | |
| Acrolein | ND | ug/L | 10.0 | 1 | | 10/25/10 16:03 | 107-02-8 | | |
| Acrylonitrile | ND | ug/L | 10.0 | 1 | | 10/25/10 16:03 | 107-13-1 | | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 107-05-1 | | |
| Benzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 71-43-2 | | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Sample: AS-Effluent | | Lab ID: 10140998002 | Collected: 10/18/10 09:35 | Received: 10/19/10 12:10 | Matrix: Water | | | | |
|-----------------------------|---------|----------------------------|---------------------------|--------------------------|---------------|----------------|------------|-------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 108-86-1 | | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 74-97-5 | | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-27-4 | | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 10/25/10 16:03 | 75-25-2 | | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 74-83-9 | CL,L2 | |
| 2-Butanone (MEK) | 5.6 | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 78-93-3 | | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 104-51-8 | | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 135-98-8 | | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 98-06-6 | | |
| Carbon disulfide | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-15-0 | | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 56-23-5 | | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 108-90-7 | | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-00-3 | | |
| 2-Chloroethylvinyl ether | ND | ug/L | 10.0 | 1 | | 10/25/10 16:03 | 110-75-8 | | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 67-66-3 | | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 74-87-3 | | |
| Chloroprene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 126-99-8 | | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 95-49-8 | | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 106-43-4 | | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 96-12-8 | | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 106-93-4 | | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 74-95-3 | | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 106-46-7 | | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-71-8 | | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-34-3 | | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 107-06-2 | | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-35-4 | | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 156-60-5 | | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 75-43-4 | | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 78-87-5 | | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 142-28-9 | | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 594-20-7 | | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 563-58-6 | | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 10061-02-6 | | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 60-29-7 | | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 100-41-4 | | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 87-68-3 | | |
| 2-Hexanone | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 591-78-6 | | |
| Iodomethane | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 74-88-4 | | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 98-82-8 | | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 10/25/10 16:03 | 99-87-6 | | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 10/25/10 16:03 | 75-09-2 | | |

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REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Sample: AS-Effluent | | Lab ID: 10140998002 | Collected: 10/18/10 09:35 | Received: 10/19/10 12:10 | Matrix: Water | | | |
|--------------------------------|---------|----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| 2-Methylnaphthalene | ND ug/L | | 5.0 | 1 | | 10/25/10 16:03 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 10/25/10 16:03 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 1634-04-4 | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 10/25/10 16:03 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 79-34-5 | |
| Tetrachloroethene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 10/25/10 16:03 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 108-67-8 | |
| Vinyl acetate | ND ug/L | | 20.0 | 1 | | 10/25/10 16:03 | 108-05-4 | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 10/25/10 16:03 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 10/25/10 16:03 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 10/25/10 16:03 | 1330-20-7 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 10/25/10 16:03 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 % | | 75-125 | 1 | | 10/25/10 16:03 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 93 % | | 75-125 | 1 | | 10/25/10 16:03 | 460-00-4 | |
| Toluene-d8 (S) | 96 % | | 75-125 | 1 | | 10/25/10 16:03 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 101 % | | 75-125 | 1 | | 10/25/10 16:03 | 17060-07-0 | |

QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10140998

QC Batch: MSV/15615 Analysis Method: EPA 624
QC Batch Method: EPA 624 Analysis Description: 624 MSV
Associated Lab Samples: 10140998001, 10140998002

METHOD BLANK: 878505 Matrix: Water

Associated Lab Samples: 10140998001, 10140998002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 10/25/10 14:00 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 2-Hexanone | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| 2-Methylnaphthalene | ug/L | ND | 5.0 | 10/25/10 14:00 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Acetone | ug/L | ND | 10.0 | 10/25/10 14:00 | |
| Acrolein | ug/L | ND | 10.0 | 10/25/10 14:00 | |
| Acrylonitrile | ug/L | ND | 10.0 | 10/25/10 14:00 | |
| Allyl chloride | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Benzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Bromobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Bromochloromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Bromoform | ug/L | ND | 8.0 | 10/25/10 14:00 | |
| Bromomethane | ug/L | ND | 4.0 | 10/25/10 14:00 | CL |
| Carbon disulfide | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Chlorobenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Chloroethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10140998

METHOD BLANK: 878505

Matrix: Water

Associated Lab Samples: 10140998001, 10140998002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Chloroform | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Chloromethane | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Chloroprene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Dibromomethane | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Ethylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Iodomethane | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| m&p-Xylene | ug/L | ND | 2.0 | 10/25/10 14:00 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Methylene Chloride | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Naphthalene | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| o-Xylene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Styrene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 10/25/10 14:00 | |
| Toluene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 10/25/10 14:00 | |
| Trichloroethene | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 10/25/10 14:00 | |
| Vinyl acetate | ug/L | ND | 20.0 | 10/25/10 14:00 | |
| Vinyl chloride | ug/L | ND | 0.40 | 10/25/10 14:00 | |
| Xylene (Total) | ug/L | ND | 3.0 | 10/25/10 14:00 | |
| 1,2-Dichloroethane-d4 (S) | % | 95 | 75-125 | 10/25/10 14:00 | |
| 4-Bromofluorobenzene (S) | % | 103 | 75-125 | 10/25/10 14:00 | |
| Dibromofluoromethane (S) | % | 97 | 75-125 | 10/25/10 14:00 | |
| Toluene-d8 (S) | % | 100 | 75-125 | 10/25/10 14:00 | |

LABORATORY CONTROL SAMPLE: 878506

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 53.4 | 107 | 75-129 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 46.5 | 93 | 73-144 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10140998

LABORATORY CONTROL SAMPLE: 878506

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 48.8 | 98 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.5 | 99 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 42.5 | 85 | 75-143 | |
| 1,1-Dichloroethane | ug/L | 50 | 47.0 | 94 | 75-135 | |
| 1,1-Dichloroethene | ug/L | 50 | 45.5 | 91 | 75-133 | |
| 1,1-Dichloropropene | ug/L | 50 | 45.7 | 91 | 75-131 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 53.1 | 106 | 73-141 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 49.4 | 99 | 75-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 45.8 | 92 | 70-148 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 49.6 | 99 | 75-141 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 50.1 | 100 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 49.0 | 98 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 50.9 | 102 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.0 | 94 | 75-136 | |
| 1,2-Dichloropropane | ug/L | 50 | 47.1 | 94 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 51.3 | 103 | 75-141 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.3 | 103 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 47.7 | 95 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 51.7 | 103 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 47.2 | 94 | 50-150 | |
| 2-Butanone (MEK) | ug/L | 50 | 48.3 | 97 | 58-138 | |
| 2-Chloroethylvinyl ether | ug/L | 125 | 103 | 83 | 50-150 | |
| 2-Chlorotoluene | ug/L | 50 | 48.2 | 96 | 75-132 | |
| 2-Hexanone | ug/L | 50 | 45.4 | 91 | 65-135 | |
| 2-Methylnaphthalene | ug/L | 25 | 31.1 | 124 | 62-150 | |
| 4-Chlorotoluene | ug/L | 50 | 48.6 | 97 | 75-135 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 44.5 | 89 | 69-137 | |
| Acetone | ug/L | 125 | 136 | 108 | 52-141 | |
| Acrolein | ug/L | 500 | 657 | 131 | 50-150 | |
| Acrylonitrile | ug/L | 500 | 495 | 99 | 75-130 | |
| Allyl chloride | ug/L | 50 | 44.6 | 89 | 68-150 | |
| Benzene | ug/L | 50 | 47.6 | 95 | 75-125 | |
| Bromobenzene | ug/L | 50 | 51.7 | 103 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 51.5 | 103 | 75-129 | |
| Bromodichloromethane | ug/L | 50 | 48.2 | 96 | 75-142 | |
| Bromoform | ug/L | 50 | 48.2 | 96 | 66-135 | |
| Bromomethane | ug/L | 50 | 24.5 | 49 | 57-150 | CL,L0 |
| Carbon disulfide | ug/L | 50 | 39.8 | 80 | 65-132 | |
| Carbon tetrachloride | ug/L | 50 | 49.0 | 98 | 75-148 | |
| Chlorobenzene | ug/L | 50 | 50.0 | 100 | 75-125 | |
| Chloroethane | ug/L | 50 | 52.9 | 106 | 66-142 | |
| Chloroform | ug/L | 50 | 45.5 | 91 | 75-131 | |
| Chloromethane | ug/L | 50 | 45.8 | 92 | 52-147 | |
| Chloroprene | ug/L | 50 | 44.2 | 88 | 71-147 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 47.2 | 94 | 75-126 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 45.3 | 91 | 69-150 | |
| Dibromochloromethane | ug/L | 50 | 52.9 | 106 | 73-138 | |
| Dibromomethane | ug/L | 50 | 46.3 | 93 | 75-127 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10140998

LABORATORY CONTROL SAMPLE: 878506

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Dichlorodifluoromethane | ug/L | 50 | 51.2 | 102 | 50-150 | |
| Dichlorofluoromethane | ug/L | 50 | 47.0 | 94 | 75-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 45.7 | 91 | 75-126 | |
| Ethylbenzene | ug/L | 50 | 51.3 | 103 | 75-132 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 24.3 | 97 | 75-129 | |
| Iodomethane | ug/L | 50 | 38.2 | 76 | 73-150 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 53.2 | 106 | 75-142 | |
| m&p-Xylene | ug/L | 100 | 93.5 | 94 | 75-131 | |
| Methyl-tert-butyl ether | ug/L | 50 | 47.0 | 94 | 75-130 | |
| Methylene Chloride | ug/L | 50 | 43.7 | 87 | 71-125 | |
| n-Butylbenzene | ug/L | 50 | 44.1 | 88 | 70-148 | |
| n-Propylbenzene | ug/L | 50 | 50.2 | 100 | 75-136 | |
| Naphthalene | ug/L | 50 | 47.6 | 95 | 69-145 | |
| o-Xylene | ug/L | 50 | 50.2 | 100 | 75-129 | |
| p-Isopropyltoluene | ug/L | 50 | 51.2 | 102 | 75-132 | |
| sec-Butylbenzene | ug/L | 50 | 52.2 | 104 | 75-136 | |
| Styrene | ug/L | 50 | 43.4 | 87 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 52.0 | 104 | 75-135 | |
| Tetrachloroethene | ug/L | 50 | 46.9 | 94 | 75-125 | |
| Tetrahydrofuran | ug/L | 500 | 464 | 93 | 63-144 | |
| Toluene | ug/L | 50 | 47.3 | 95 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 44.9 | 90 | 72-135 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 48.2 | 96 | 62-150 | |
| Trichloroethene | ug/L | 50 | 49.7 | 99 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 53.3 | 107 | 67-150 | |
| Vinyl acetate | ug/L | 50 | 44.9 | 90 | 55-150 | |
| Vinyl chloride | ug/L | 50 | 53.5 | 107 | 63-147 | |
| Xylene (Total) | ug/L | 150 | 144 | 96 | 75-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 95 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | 89 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 99 | 75-125 | |
| Toluene-d8 (S) | % | | | 94 | 75-125 | |

MATRIX SPIKE SAMPLE: 878507

| Parameter | Units | 10141169001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 46.4 | 93 | 70-136 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 42.9 | 86 | 68-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 41.4 | 83 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 43.2 | 86 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 47.4 | 95 | 75-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 41.3 | 83 | 67-143 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 43.4 | 86 | 75-147 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 43.0 | 86 | 75-141 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 46.8 | 94 | 71-141 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 42.0 | 84 | 75-128 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 42.1 | 84 | 61-148 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10140998

| MATRIX SPIKE SAMPLE: | | 878507 | | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|--|
| Parameter | Units | 10141169001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 44.7 | 89 | 65-145 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 41.6 | 83 | 64-135 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 43.0 | 86 | 75-126 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 44.6 | 89 | 75-127 | | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 41.9 | 84 | 70-138 | | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 42.5 | 85 | 75-130 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 46.2 | 92 | 61-150 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 44.5 | 89 | 75-126 | | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 42.0 | 84 | 75-125 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 44.6 | 89 | 75-125 | | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 43.9 | 88 | 50-150 | | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 38.4 | 77 | 50-141 | | |
| 2-Chloroethylvinyl ether | ug/L | ND | 125 | 24.8 | 20 | 50-150 | M1 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 42.6 | 85 | 75-137 | | |
| 2-Hexanone | ug/L | ND | 50 | 38.0 | 76 | 66-135 | | |
| 2-Methylnaphthalene | ug/L | ND | 25 | 29.5 | 118 | 62-150 | | |
| 4-Chlorotoluene | ug/L | ND | 50 | 43.3 | 87 | 70-144 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 38.1 | 76 | 62-142 | | |
| Acetone | ug/L | ND | 125 | 96.5 | 77 | 50-150 | | |
| Acrolein | ug/L | ND | 500 | 723 | 145 | 50-150 | | |
| Acrylonitrile | ug/L | ND | 500 | 418 | 84 | 70-135 | | |
| Allyl chloride | ug/L | ND | 50 | 40.0 | 80 | 50-150 | | |
| Benzene | ug/L | ND | 50 | 42.3 | 85 | 75-125 | | |
| Bromobenzene | ug/L | ND | 50 | 45.6 | 91 | 75-125 | | |
| Bromochloromethane | ug/L | ND | 50 | 45.7 | 91 | 73-137 | | |
| Bromodichloromethane | ug/L | ND | 50 | 43.3 | 87 | 70-142 | | |
| Bromoform | ug/L | ND | 50 | 40.5 | 81 | 55-135 | | |
| Bromomethane | ug/L | ND | 50 | 19.4 | 39 | 50-150 | CL,M0 | |
| Carbon disulfide | ug/L | ND | 50 | 37.6 | 75 | 50-150 | | |
| Carbon tetrachloride | ug/L | ND | 50 | 46.7 | 93 | 64-150 | | |
| Chlorobenzene | ug/L | ND | 50 | 44.6 | 89 | 75-125 | | |
| Chloroethane | ug/L | ND | 50 | 36.5 | 73 | 59-150 | | |
| Chloroform | ug/L | ND | 50 | 40.9 | 82 | 75-132 | | |
| Chloroprene | ug/L | ND | 50 | 42.9 | 86 | 54-150 | | |
| cis-1,2-Dichloroethene | ug/L | 29.6 | 50 | 73.8 | 88 | 64-144 | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 38.8 | 78 | 56-150 | | |
| Dibromochloromethane | ug/L | ND | 50 | 46.3 | 93 | 60-138 | | |
| Dibromomethane | ug/L | ND | 50 | 40.1 | 80 | 75-127 | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 42.9 | 86 | 50-150 | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 42.7 | 85 | 74-142 | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 39.5 | 79 | 75-127 | | |
| Ethylbenzene | ug/L | ND | 50 | 45.7 | 91 | 75-134 | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 23.7 | 95 | 63-150 | | |
| Iodomethane | ug/L | ND | 50 | 29.9 | 60 | 50-150 | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 48.2 | 96 | 69-147 | | |
| m&p-Xylene | ug/L | ND | 100 | 83.5 | 84 | 75-133 | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 40.3 | 81 | 73-131 | | |

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QUALITY CONTROL DATA

Project: CRC City Of Rochester
Pace Project No.: 10140998

| MATRIX SPIKE SAMPLE: 878507 | | 10141169001 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Methylene Chloride | ug/L | ND | 50 | 38.6 | 77 | 68-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 41.6 | 83 | 59-150 | |
| n-Propylbenzene | ug/L | ND | 50 | 46.5 | 93 | 72-143 | |
| Naphthalene | ug/L | ND | 50 | 41.0 | 82 | 57-148 | |
| o-Xylene | ug/L | ND | 50 | 44.9 | 90 | 75-131 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 47.5 | 95 | 75-137 | |
| sec-Butylbenzene | ug/L | ND | 50 | 48.3 | 97 | 75-144 | |
| Styrene | ug/L | ND | 50 | 38.0 | 76 | 75-134 | |
| tert-Butylbenzene | ug/L | ND | 50 | 46.9 | 94 | 68-150 | |
| Tetrachloroethene | ug/L | ND | 50 | 44.3 | 89 | 75-130 | |
| Tetrahydrofuran | ug/L | ND | 500 | 393 | 79 | 60-148 | |
| Toluene | ug/L | ND | 50 | 43.0 | 86 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 41.8 | 82 | 75-145 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 43.0 | 86 | 50-150 | |
| Trichloroethene | ug/L | 14.5 | 50 | 61.9 | 95 | 73-132 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 41.2 | 82 | 67-150 | |
| Vinyl acetate | ug/L | ND | 50 | 39.5 | 79 | 50-150 | |
| Vinyl chloride | ug/L | 5.8 | 50 | 42.5 | 73 | 63-150 | |
| Xylene (Total) | ug/L | ND | 150 | 128 | 86 | 72-138 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 94 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | | 94 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 99 | 75-125 | |
| Toluene-d8 (S) | % | | | | 94 | 75-125 | |

SAMPLE DUPLICATE: 878508

| Parameter | Units | 10141169002 | Dup | RPD | Max | Qualifiers |
|--------------------------------|-------|-------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | |
| 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 | |

Date: 10/26/2010 03:51 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10140998

SAMPLE DUPLICATE: 878508

| Parameter | Units | 10141169002 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,4-Dichlorobenzene | ug/L | ND | ND | | 30 | |
| 2,2-Dichloropropane | ug/L | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/L | ND | ND | | 30 | |
| 2-Chloroethylvinyl ether | ug/L | ND | ND | | 30 | |
| 2-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 2-Hexanone | ug/L | ND | ND | | 30 | |
| 2-Methylnaphthalene | ug/L | ND | ND | | 30 | |
| 4-Chlorotoluene | ug/L | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | ND | | 30 | |
| Acetone | ug/L | ND | ND | | 30 | |
| Acrolein | ug/L | ND | ND | | 30 | |
| Acrylonitrile | ug/L | ND | ND | | 30 | |
| Allyl chloride | ug/L | ND | ND | | 30 | |
| Benzene | ug/L | ND | ND | | 30 | |
| Bromobenzene | ug/L | ND | ND | | 30 | |
| Bromochloromethane | ug/L | ND | ND | | 30 | |
| Bromodichloromethane | ug/L | ND | ND | | 30 | |
| Bromoform | ug/L | ND | ND | | 30 | |
| Bromomethane | ug/L | ND | ND | | 30 | CL |
| Carbon disulfide | ug/L | ND | 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 | 10.3 | 10.4 | .9 | 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 | |

Date: 10/26/2010 03:51 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City Of Rochester

Pace Project No.: 10140998

SAMPLE DUPLICATE: 878508

| Parameter | Units | 10141169002 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 | .44J | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | 9.9 | 9.9 | .03 | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | 0.47 | 0.53 | 11 | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 100 | 99 | .5 | | |
| 4-Bromofluorobenzene (S) | % | 95 | 92 | 3 | | |
| Dibromofluoromethane (S) | % | 101 | 101 | .8 | | |
| Toluene-d8 (S) | % | 98 | 94 | 4 | | |

QUALIFIERS

Project: CRC City Of Rochester

Pace Project No.: 10140998

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.

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|--|
| CL | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased low. |
| L0 | Analyte recovery in the laboratory control sample (LCS) was outside QC limits. |
| L2 | Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low. |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City Of Rochester

Pace Project No.: 10140998

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|-------------|-----------------|-----------|-------------------|------------------|
| 10140998001 | AS-Influent | EPA 624 | MSV/15615 | | |
| 10140998002 | AS-Effluent | EPA 624 | MSV/15615 | | |



Sample Condition Upon Receipt

Client Name: Landmark Project # 1040998

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Optional
P/O Date
P/O 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 1.4 Biological Tissue Is Frozen: Yes No Date and Initials of person examining contents: 10/19/10 SJ
Temp should be above freezing to 8°C Comments:

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

Client Notification/ Resolution: _____ Field Data Required? Y / N
Person Contacted: _____ Date/Time: _____
Comments/ Resolution: _____

Project Manager Review: C.D.M.S. Date: 10/20/10

October 05, 2010

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

RE: Project: City of Rochester
Pace Project No.: 10139146

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on September 28, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: City of Rochester

Pace Project No.: 10139146

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

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SAMPLE SUMMARY

Project: City of Rochester
Pace Project No.: 10139146

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|--------------|--------|----------------|----------------|
| 10139146001 | EXHAUST-0096 | Air | 09/27/10 15:56 | 09/28/10 14:30 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: City of Rochester
Pace Project No.: 10139146

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|--------------|--------|----------|-------------------|
| 10139146001 | EXHAUST-0096 | TO-15 | DR1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10139146

| Sample: EXHAUST-0096 | Lab ID: 10139146001 | Collected: 09/27/10 15:56 | Received: 09/28/10 14:30 | Matrix: Air | | | | |
|-----------------------------|---------------------|---------------------------|--------------------------|-------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Acetone | 53.9 | ug/m3 | 1.0 | 2.13 | | 10/01/10 20:07 | 67-64-1 | |
| Benzene | ND | ug/m3 | 1.4 | 2.13 | | 10/01/10 20:07 | 71-43-2 | |
| Benzyl chloride | ND | ug/m3 | 2.2 | 2.13 | | 10/01/10 20:07 | 100-44-7 | |
| Bromodichloromethane | ND | ug/m3 | 3.0 | 2.13 | | 10/01/10 20:07 | 75-27-4 | |
| Bromoform | ND | ug/m3 | 4.5 | 2.13 | | 10/01/10 20:07 | 75-25-2 | |
| Bromomethane | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 74-83-9 | |
| 1,3-Butadiene | ND | ug/m3 | 0.96 | 2.13 | | 10/01/10 20:07 | 106-99-0 | |
| 2-Butanone (MEK) | 12.1 | ug/m3 | 1.3 | 2.13 | | 10/01/10 20:07 | 78-93-3 | |
| Carbon disulfide | ND | ug/m3 | 1.3 | 2.13 | | 10/01/10 20:07 | 75-15-0 | |
| Carbon tetrachloride | ND | ug/m3 | 2.8 | 2.13 | | 10/01/10 20:07 | 56-23-5 | |
| Chlorobenzene | ND | ug/m3 | 2.0 | 2.13 | | 10/01/10 20:07 | 108-90-7 | |
| Chloroethane | ND | ug/m3 | 1.2 | 2.13 | | 10/01/10 20:07 | 75-00-3 | |
| Chloroform | ND | ug/m3 | 2.1 | 2.13 | | 10/01/10 20:07 | 67-66-3 | |
| Chloromethane | 1.2 | ug/m3 | 0.89 | 2.13 | | 10/01/10 20:07 | 74-87-3 | |
| Cyclohexane | ND | ug/m3 | 1.4 | 2.13 | | 10/01/10 20:07 | 110-82-7 | |
| Dibromochloromethane | ND | ug/m3 | 3.6 | 2.13 | | 10/01/10 20:07 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 3.4 | 2.13 | | 10/01/10 20:07 | 106-93-4 | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 2.6 | 2.13 | | 10/01/10 20:07 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 2.6 | 2.13 | | 10/01/10 20:07 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 2.6 | 2.13 | | 10/01/10 20:07 | 106-46-7 | |
| Dichlorodifluoromethane | 2.6 | ug/m3 | 2.1 | 2.13 | | 10/01/10 20:07 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 1.7 | 2.13 | | 10/01/10 20:07 | 156-60-5 | |
| 1,2-Dichloropropane | ND | ug/m3 | 2.0 | 2.13 | | 10/01/10 20:07 | 78-87-5 | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 2.0 | 2.13 | | 10/01/10 20:07 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 2.0 | 2.13 | | 10/01/10 20:07 | 10061-02-6 | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 3.0 | 2.13 | | 10/01/10 20:07 | 76-14-2 | |
| Ethanol | 48.3 | ug/m3 | 4.0 | 2.13 | | 10/01/10 20:07 | 64-17-5 | |
| Ethyl acetate | ND | ug/m3 | 1.6 | 2.13 | | 10/01/10 20:07 | 141-78-6 | |
| Ethylbenzene | ND | ug/m3 | 1.9 | 2.13 | | 10/01/10 20:07 | 100-41-4 | |
| 4-Ethyltoluene | ND | ug/m3 | 5.3 | 2.13 | | 10/01/10 20:07 | 622-96-8 | |
| n-Heptane | ND | ug/m3 | 1.8 | 2.13 | | 10/01/10 20:07 | 142-82-5 | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 4.7 | 2.13 | | 10/01/10 20:07 | 87-68-3 | |
| n-Hexane | 45.9 | ug/m3 | 1.5 | 2.13 | | 10/01/10 20:07 | 110-54-3 | |
| 2-Hexanone | ND | ug/m3 | 1.8 | 2.13 | | 10/01/10 20:07 | 591-78-6 | |
| Methylene Chloride | 294 | ug/m3 | 1.5 | 2.13 | | 10/01/10 20:07 | 75-09-2 | E |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 1.8 | 2.13 | | 10/01/10 20:07 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/m3 | 1.6 | 2.13 | | 10/01/10 20:07 | 1634-04-4 | |
| Naphthalene | ND | ug/m3 | 5.8 | 2.13 | | 10/01/10 20:07 | 91-20-3 | |
| 2-Propanol | 9.6 | ug/m3 | 5.3 | 2.13 | | 10/01/10 20:07 | 67-63-0 | |
| Propylene | 1.3 | ug/m3 | 0.75 | 2.13 | | 10/01/10 20:07 | 115-07-1 | |
| Styrene | ND | ug/m3 | 1.9 | 2.13 | | 10/01/10 20:07 | 100-42-5 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 3.0 | 2.13 | | 10/01/10 20:07 | 79-34-5 | |
| Tetrachloroethene | 6.5 | ug/m3 | 3.0 | 2.13 | | 10/01/10 20:07 | 127-18-4 | |

Date: 10/05/2010 04:43 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10139146

| Sample: EXHAUST-0096 | | Lab ID: 10139146001 | Collected: 09/27/10 15:56 | Received: 09/28/10 14:30 | Matrix: Air | | | |
|--------------------------------|---------|--------------------------|---------------------------|--------------------------|-------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | ND | ug/m3 | 1.3 | 2.13 | | 10/01/10 20:07 | 109-99-9 | SS |
| Toluene | 21.2 | ug/m3 | 1.6 | 2.13 | | 10/01/10 20:07 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 2.1 | 2.13 | | 10/01/10 20:07 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/m3 | 2.3 | 2.13 | | 10/01/10 20:07 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 2.3 | 2.13 | | 10/01/10 20:07 | 79-00-5 | |
| Trichloroethene | 42.3 | ug/m3 | 2.3 | 2.13 | | 10/01/10 20:07 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 2.3 | 2.13 | | 10/01/10 20:07 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 9.2 | ug/m3 | 3.4 | 2.13 | | 10/01/10 20:07 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 5.3 | 2.13 | | 10/01/10 20:07 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 5.3 | 2.13 | | 10/01/10 20:07 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 1.5 | 2.13 | | 10/01/10 20:07 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 1.1 | 2.13 | | 10/01/10 20:07 | 75-01-4 | |
| m&p-Xylene | ND | ug/m3 | 3.7 | 2.13 | | 10/01/10 20:07 | 1330-20-7 | |
| o-Xylene | ND | ug/m3 | 1.9 | 2.13 | | 10/01/10 20:07 | 95-47-6 | |

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10139146

QC Batch: AIR/10956 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10139146001

METHOD BLANK: 862445 Matrix: Air
Associated Lab Samples: 10139146001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 10/01/10 14:35 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 10/01/10 14:35 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 10/01/10 14:35 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 10/01/10 14:35 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 10/01/10 14:35 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 10/01/10 14:35 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 10/01/10 14:35 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 2.5 | 10/01/10 14:35 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 10/01/10 14:35 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/01/10 14:35 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 10/01/10 14:35 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 10/01/10 14:35 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 2.5 | 10/01/10 14:35 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 10/01/10 14:35 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/01/10 14:35 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 10/01/10 14:35 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 10/01/10 14:35 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 10/01/10 14:35 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 10/01/10 14:35 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 10/01/10 14:35 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 10/01/10 14:35 | |
| Acetone | ug/m3 | ND | 0.48 | 10/01/10 14:35 | |
| Benzene | ug/m3 | ND | 0.65 | 10/01/10 14:35 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 10/01/10 14:35 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 10/01/10 14:35 | |
| Bromoform | ug/m3 | ND | 2.1 | 10/01/10 14:35 | |
| Bromomethane | ug/m3 | ND | 0.79 | 10/01/10 14:35 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 10/01/10 14:35 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 10/01/10 14:35 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 10/01/10 14:35 | |
| Chloroethane | ug/m3 | ND | 0.54 | 10/01/10 14:35 | |
| Chloroform | ug/m3 | ND | 0.99 | 10/01/10 14:35 | |
| Chloromethane | ug/m3 | ND | 0.42 | 10/01/10 14:35 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 10/01/10 14:35 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 10/01/10 14:35 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 10/01/10 14:35 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 10/01/10 14:35 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 10/01/10 14:35 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 10/01/10 14:35 | |
| Ethanol | ug/m3 | ND | 1.9 | 10/01/10 14:35 | |
| Ethyl acetate | ug/m3 | ND | 0.73 | 10/01/10 14:35 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 10/01/10 14:35 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 10/01/10 14:35 | |

Date: 10/05/2010 04:43 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10139146

METHOD BLANK: 862445

Matrix: Air

Associated Lab Samples: 10139146001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 10/01/10 14:35 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 10/01/10 14:35 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 10/01/10 14:35 | |
| n-Heptane | ug/m3 | ND | 0.83 | 10/01/10 14:35 | |
| n-Hexane | ug/m3 | ND | 0.72 | 10/01/10 14:35 | |
| Naphthalene | ug/m3 | ND | 2.7 | 10/01/10 14:35 | |
| o-Xylene | ug/m3 | ND | 0.88 | 10/01/10 14:35 | |
| Propylene | ug/m3 | ND | 0.35 | 10/01/10 14:35 | |
| Styrene | ug/m3 | ND | 0.87 | 10/01/10 14:35 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 10/01/10 14:35 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 10/01/10 14:35 | SS |
| Toluene | ug/m3 | ND | 0.77 | 10/01/10 14:35 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 10/01/10 14:35 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 10/01/10 14:35 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 10/01/10 14:35 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 10/01/10 14:35 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 10/01/10 14:35 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 10/01/10 14:35 | |

LABORATORY CONTROL SAMPLE: 862446

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 46.5 | 84 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 52.1 | 75 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 45.2 | 81 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 58.3 | 75 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 32.1 | 78 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 32.5 | 80 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 101 | 134 | 30-150 | |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 49.3 | 99 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 62.8 | 80 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 56.0 | 92 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 33.5 | 81 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 38.5 | 82 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 42.9 | 86 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 19.5 | 87 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 46.5 | 76 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 46.6 | 76 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 26.9 | 90 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 43.1 | 103 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 20.9 | 88 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 46.0 | 92 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 38.4 | 92 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 18.4 | 76 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 27.2 | 84 | 71-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10139146

LABORATORY CONTROL SAMPLE: 862446

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 47.9 | 91 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 55.9 | 82 | 66-136 | |
| Bromoform | ug/m3 | 105 | 89.9 | 85 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 30.7 | 78 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 25.7 | 81 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 52.9 | 83 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 35.6 | 76 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 21.3 | 79 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 38.8 | 78 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 17.7 | 84 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 34.7 | 86 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 43.9 | 95 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 32.2 | 92 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 73.4 | 85 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 38.7 | 77 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 57.9 | 81 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 16.4 | 85 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 34.2 | 93 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 40.7 | 92 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 164 | 152 | 30-150 L3 | |
| m&p-Xylene | ug/m3 | 44.2 | 41.3 | 94 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 30.3 | 83 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 28.4 | 80 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 38.4 | 92 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 33.1 | 92 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 81.8 | 153 | 30-150 L3 | |
| o-Xylene | ug/m3 | 44.2 | 38.8 | 88 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 17.2 | 98 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 43.8 | 101 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 51.5 | 75 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 31.0 | 103 | 51-125 SS | |
| Toluene | ug/m3 | 38.3 | 31.3 | 82 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 32.1 | 80 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 41.9 | 91 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 45.8 | 84 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 43.4 | 76 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 31.2 | 87 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 21.1 | 81 | 66-125 | |

SAMPLE DUPLICATE: 864896

| Parameter | Units | 10138764017 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 2.7 | 2.6 | 4 | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | ND | ND | | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10139146

SAMPLE DUPLICATE: 864896

| Parameter | Units | 10138764017 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,3-Butadiene | ug/m3 | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | 3.6 | 3.8 | 5 | 30 | |
| 2-Hexanone | ug/m3 | ND | ND | | 30 | |
| 2-Propanol | ug/m3 | 9.7 | 15.5 | 46 | 30 | R1 |
| 4-Ethyltoluene | ug/m3 | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 10.6 | 10.5 | 1 | 30 | |
| Acetone | ug/m3 | 11.0 | 13.9 | 23 | 30 | |
| Benzene | ug/m3 | ND | .71J | | 30 | |
| Benzyl chloride | ug/m3 | | ND | | | |
| Bromodichloromethane | ug/m3 | ND | ND | | 30 | |
| Bromoform | ug/m3 | ND | ND | | 30 | |
| Bromomethane | ug/m3 | ND | ND | | 30 | |
| Carbon disulfide | ug/m3 | ND | .6J | | 30 | |
| Carbon tetrachloride | ug/m3 | ND | ND | | 30 | |
| Chlorobenzene | ug/m3 | ND | ND | | 30 | |
| Chloroethane | ug/m3 | ND | ND | | 30 | |
| Chloroform | ug/m3 | ND | ND | | 30 | |
| Chloromethane | ug/m3 | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Cyclohexane | ug/m3 | 10.5 | 10.8 | 2 | 30 | |
| Dibromochloromethane | ug/m3 | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | 2.5 | 2.2 | 13 | 30 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | ND | | 30 | |
| Ethanol | ug/m3 | 8.0 | 12.4 | 44 | 30 | R1 |
| Ethyl acetate | ug/m3 | 3.5 | 3.7 | 5 | 30 | |
| Ethylbenzene | ug/m3 | ND | .87J | | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | ND | | 30 | |
| m&p-Xylene | ug/m3 | 4.2 | 4.3 | 2 | 30 | |
| Methyl-tert-butyl ether | ug/m3 | ND | ND | | 30 | |
| Methylene Chloride | ug/m3 | 4.9 | 5.0 | .9 | 30 | |
| n-Heptane | ug/m3 | 10.7 | 10.6 | .1 | 30 | |
| n-Hexane | ug/m3 | 1.5 | 1.5 | .2 | 30 | |
| Naphthalene | ug/m3 | ND | ND | | 30 | |
| o-Xylene | ug/m3 | 1.2 | 1.2 | | 30 | |
| Propylene | ug/m3 | ND | ND | | 30 | |
| Styrene | ug/m3 | ND | .66J | | 30 | |
| Tetrachloroethene | ug/m3 | 2.9 | 2.9 | 2 | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10139146

SAMPLE DUPLICATE: 864896

| Parameter | Units | 10138764017 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrahydrofuran | ug/m3 | 0.80 | 0.86 | | 30 | SS |
| Toluene | ug/m3 | 17.5 | 17.1 | 2 | 30 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Trichloroethene | ug/m3 | 3.6 | 3.5 | 3 | 30 | |
| Trichlorofluoromethane | ug/m3 | 2.3 | 2.3 | 3 | 30 | |
| Vinyl acetate | ug/m3 | ND | ND | | 30 | |
| Vinyl chloride | ug/m3 | ND | ND | | 30 | |

QUALIFIERS

Project: City of Rochester

Pace Project No.: 10139146

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.

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

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

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

SAMPLE QUALIFIERS

Sample: 10139146001

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

ANALYTE QUALIFIERS

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

R1 RPD value was outside control limits.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: City of Rochester
Pace Project No.: 10139146

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|--------------|-----------------|-----------|-------------------|------------------|
| 10139146001 | EXHAUST-0096 | TO-15 | AIR/10956 | | |



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

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

10139146

| | | | | | | | | | | | | | |
|--|--|---|--|---|--|--|--|---|--|--|--|---|--|
| Section A Required Client Information: Company: LANDMARK Address: 2042 W. 98th St Bloomington MN 55431 Email To: jskranstedt@landmark.com Phone: 952.882.7001 Fax: Requested Date/TAI: STD | | Section B Required Project Information: Report To: JASON SKANSTAD Copy To: Purchase Order No.: Project Name: CITY OF ROCHESTER Project Number: | | Section C Invoice Information: Attention: JASON SKANSTAD Company Name: LANDMARK Address: Pace Quote Reference: Pace Project Manager/Sales Rep. Carlyne Trout Pace Profile #: | | Program <input type="checkbox"/> UST <input type="checkbox"/> Superfund <input type="checkbox"/> Emissions <input type="checkbox"/> Clean Air Act <input type="checkbox"/> Voluntary Clean Up <input checked="" type="checkbox"/> Dry Clean <input type="checkbox"/> RCRA <input type="checkbox"/> Other Location of Sampling by State MN Reporting Units ug/m ³ <input type="checkbox"/> ng/m ³ <input type="checkbox"/> PPBV <input type="checkbox"/> PMV <input type="checkbox"/> Other <input type="checkbox"/> Report Level II. ___ III. ___ IV. ___ Other ___ | | Page: 1 of 1 02609 | | | | | |
| Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE EXHAUST - 0096 | | Valid Media Codes MEDIA CODE Tedlar Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Purif LVP High Volume Purif HVP Other PM10 | | COLLECTED PID Reading (Client only) MEDIA CODE 6LC 4009/23/10 1530 DATE TIME 1530 COMPOSITE - DATE TIME 1530 | | Summa Can Number 0096 Flow Control Number PA 142 | | Canister Pressure (Initial Field - psig) 27.55 Canister Pressure (Final Field - psig) inHg | | ACCEPTED BY / AFFILIATION Carlyne Trout DATE 9/28/10 TIME 1430 | | SAMPLE CONDITIONS Temp in °C Received on Ice Custody Sealed Cooler Samples Intact | |
| Comments: 6-HR FLOW CONTROLLER FAILED. WORKED LESS THAN 1/2 hr | | RELINQUISHED BY / AFFILIATION Jason Skanstad DATE 9/28/10 TIME 1430 | | SAMPPLER NAME AND SIGNATURE PRINT Name of SAMPLER: JASON SKANSTAD SIGNATURE OF SAMPLER: DATE Signed (MM/DD/YY) | | ORIGINAL | | 14 of 15 | | | | | |



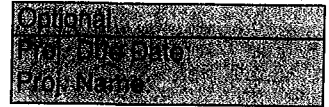
AIR Sample Condition Upon Receipt

Client Name: LANDMARK Project # 10139146

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 #: _____

Date and Initials of person examining contents: 9-28-10 JR

Comments:

- 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
- Media: AR (CAN)
- Sample Labels match COC: Yes No N/A

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Samples Received: 1 CAN, 1 FC

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|----------------|-------------|------------------|--------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>EXHAUST</u> | <u>0096</u> | | <u>PA142</u> | | | | |
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Client Notification/ Resolution: _____ Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CPM Date: 9/28/10

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)

August 26, 2010

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

RE: Project: City of Rochester
Pace Project No.: 10136159

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on August 19, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: City of Rochester

Pace Project No.: 10136159

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

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North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: City of Rochester

Pace Project No.: 10136159

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------|--------|----------------|----------------|
| 10136159001 | MW-17 | Water | 08/18/10 15:59 | 08/19/10 15:23 |
| 10136159002 | MW-18 | Water | 08/18/10 15:35 | 08/19/10 15:23 |
| 10136159003 | DPE-1 | Water | 08/18/10 18:00 | 08/19/10 15:23 |
| 10136159004 | DPE-2 | Water | 08/18/10 18:10 | 08/19/10 15:23 |
| 10136159005 | DPE-3 | Water | 08/18/10 18:20 | 08/19/10 15:23 |
| 10136159006 | DPE-4 | Water | 08/18/10 18:30 | 08/19/10 15:23 |
| 10136159007 | DPE-5 | Water | 08/18/10 18:40 | 08/19/10 15:23 |
| 10136159008 | DPE-6 | Water | 08/18/10 18:50 | 08/19/10 15:23 |
| 10136159009 | DPE-7 | Water | 08/18/10 19:00 | 08/19/10 15:23 |
| 10136159010 | DPE-8 | Water | 08/18/10 19:10 | 08/19/10 15:23 |
| 10136159011 | MW-15 | Water | 08/18/10 14:59 | 08/19/10 15:23 |
| 10136159012 | MW-16 | Water | 08/18/10 16:49 | 08/19/10 15:23 |
| 10136159013 | MW-14 | Water | 08/18/10 14:40 | 08/19/10 15:23 |
| 10136159014 | MW-19 | Water | 08/18/10 14:00 | 08/19/10 15:23 |
| 10136159015 | MW-20 | Water | 08/18/10 16:20 | 08/19/10 15:23 |
| 10136159016 | Trip Blank | Water | | 08/19/10 15:23 |

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SAMPLE ANALYTE COUNT

Project: City of Rochester

Pace Project No.: 10136159

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------|----------|----------|-------------------|
| 10136159001 | MW-17 | EPA 8260 | DRE | 73 |
| 10136159002 | MW-18 | EPA 8260 | ECB | 73 |
| 10136159003 | DPE-1 | EPA 8260 | ECB | 73 |
| 10136159004 | DPE-2 | EPA 8260 | DRE | 73 |
| 10136159005 | DPE-3 | EPA 8260 | DRE | 73 |
| 10136159006 | DPE-4 | EPA 8260 | DRE | 73 |
| 10136159007 | DPE-5 | EPA 8260 | DRE | 73 |
| 10136159008 | DPE-6 | EPA 8260 | DRE | 73 |
| 10136159009 | DPE-7 | EPA 8260 | DRE | 73 |
| 10136159010 | DPE-8 | EPA 8260 | DRE | 73 |
| 10136159011 | MW-15 | EPA 8260 | DRE | 73 |
| 10136159012 | MW-16 | EPA 8260 | DRE | 73 |
| 10136159013 | MW-14 | EPA 8260 | DRE | 73 |
| 10136159014 | MW-19 | EPA 8260 | DRE | 73 |
| 10136159015 | MW-20 | EPA 8260 | DRE | 73 |
| 10136159016 | Trip Blank | EPA 8260 | DRE | 73 |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-17 | Lab ID: 10136159001 | Collected: 08/18/10 15:59 | Received: 08/19/10 15:23 | 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 | | 08/25/10 17:59 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/25/10 17:59 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 78-93-3 | L3 |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-00-3 | |
| Chloroform | 2.5 ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-35-4 | |
| cis-1,2-Dichloroethene | 2.4 ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/25/10 17:59 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/25/10 17:59 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-17 | | Lab ID: 10136159001 | Collected: 08/18/10 15:59 | Received: 08/19/10 15:23 | 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 | | 08/25/10 17:59 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 79-34-5 | |
| Tetrachloroethene | 174 | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/25/10 17:59 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 25.4 | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/25/10 17:59 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/25/10 17:59 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/25/10 17:59 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/25/10 17:59 | 95-47-6 | |
| Dibromofluoromethane (S) | 116 | % | 75-130 | 1 | | 08/25/10 17:59 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 115 | % | 75-131 | 1 | | 08/25/10 17:59 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 1 | | 08/25/10 17:59 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 75-125 | 1 | | 08/25/10 17:59 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-18 | | Lab ID: 10136159002 | Collected: 08/18/10 15:35 | Received: 08/19/10 15:23 | 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 | | 08/20/10 17:51 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 08/20/10 17:51 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 08/20/10 17:51 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-18 | | Lab ID: 10136159002 | Collected: 08/18/10 15:35 | Received: 08/19/10 15:23 | 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 | | 08/20/10 17:51 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 79-34-5 | |
| Tetrachloroethene | 8.4 | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/20/10 17:51 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/20/10 17:51 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/20/10 17:51 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/20/10 17:51 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/20/10 17:51 | 95-47-6 | |
| Dibromofluoromethane (S) | 103 | % | 75-130 | 1 | | 08/20/10 17:51 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 75-131 | 1 | | 08/20/10 17:51 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 1 | | 08/20/10 17:51 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 75-125 | 1 | | 08/20/10 17:51 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-1 | | Lab ID: 10136159003 | Collected: 08/18/10 18:00 | Received: 08/19/10 15:23 | 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 | | 08/20/10 22:00 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 107-05-1 | |
| Benzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-27-4 | |
| Bromoform | ND | ug/L | 40.0 | 5 | | 08/20/10 22:00 | 75-25-2 | |
| Bromomethane | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 108-90-7 | |
| Chloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 67-66-3 | |
| Chloromethane | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 20.0 | 5 | | 08/20/10 22:00 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

Sample: DPE-1 **Lab ID: 10136159003** Collected: 08/18/10 18:00 Received: 08/19/10 15:23 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 | | 08/20/10 22:00 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 79-34-5 | |
| Tetrachloroethene | 965 | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 5 | | 08/20/10 22:00 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 66.4 | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 2.0 | 5 | | 08/20/10 22:00 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 15.0 | 5 | | 08/20/10 22:00 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 5 | | 08/20/10 22:00 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 5.0 | 5 | | 08/20/10 22:00 | 95-47-6 | |
| Dibromofluoromethane (S) | 105 | % | 75-130 | 5 | | 08/20/10 22:00 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 104 | % | 75-131 | 5 | | 08/20/10 22:00 | 17060-07-0 | |
| Toluene-d8 (S) | 93 | % | 75-125 | 5 | | 08/20/10 22:00 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 75-125 | 5 | | 08/20/10 22:00 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-2 | | Lab ID: 10136159004 | Collected: 08/18/10 18:10 | Received: 08/19/10 15:23 | Matrix: Water | | | |
|-----------------------------|---------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 500 | 50 | | 08/23/10 18:59 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 107-05-1 | |
| Benzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-27-4 | |
| Bromoform | ND | ug/L | 400 | 50 | | 08/23/10 18:59 | 75-25-2 | |
| Bromomethane | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 108-90-7 | |
| Chloroethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-00-3 | |
| Chloroform | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 67-66-3 | |
| Chloromethane | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 200 | 50 | | 08/23/10 18:59 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 50.0 | 50 | | 08/23/10 18:59 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-2 | Lab ID: 10136159004 | Collected: 08/18/10 18:10 | Received: 08/19/10 15:23 | Matrix: Water | | | | |
|--------------------------------|---------------------|-----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND ug/L | | 200 | 50 | | 08/23/10 18:59 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 103-65-1 | |
| Styrene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 79-34-5 | |
| Tetrachloroethene | 12100 ug/L | | 100 | 100 | | 08/25/10 21:20 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 500 | 50 | | 08/23/10 18:59 | 109-99-9 | |
| Toluene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 997 ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 108-67-8 | |
| Vinyl chloride | ND ug/L | | 20.0 | 50 | | 08/23/10 18:59 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 150 | 50 | | 08/23/10 18:59 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 100 | 50 | | 08/23/10 18:59 | 1330-20-7 | |
| o-Xylene | ND ug/L | | 50.0 | 50 | | 08/23/10 18:59 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 % | | 75-130 | 50 | | 08/23/10 18:59 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 100 % | | 75-131 | 50 | | 08/23/10 18:59 | 17060-07-0 | |
| Toluene-d8 (S) | 89 % | | 75-125 | 50 | | 08/23/10 18:59 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 95 % | | 75-125 | 50 | | 08/23/10 18:59 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-3 | | Lab ID: 10136159005 | Collected: 08/18/10 18:20 | Received: 08/19/10 15:23 | Matrix: Water | | | |
|-----------------------------|-------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Acetone | ND | ug/L | 200 | 20 | | 08/23/10 18:36 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 107-05-1 | |
| Benzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-27-4 | |
| Bromoform | ND | ug/L | 160 | 20 | | 08/23/10 18:36 | 75-25-2 | |
| Bromomethane | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 108-90-7 | |
| Chloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-00-3 | |
| Chloroform | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 67-66-3 | |
| Chloromethane | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-35-4 | |
| cis-1,2-Dichloroethene | 59.2 | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-3 | | Lab ID: 10136159005 | Collected: 08/18/10 18:20 | Received: 08/19/10 15:23 | Matrix: Water | | | |
|--------------------------------|--------------|-----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 8260 VOC | | Analytical Method: EPA 8260 | | | | | | |
| Naphthalene | ND | ug/L | 80.0 | 20 | | 08/23/10 18:36 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 103-65-1 | |
| Styrene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 79-34-5 | |
| Tetrachloroethene | 20400 | ug/L | 250 | 250 | | 08/25/10 21:42 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 200 | 20 | | 08/23/10 18:36 | 109-99-9 | |
| Toluene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 79-00-5 | |
| Trichloroethene | 22.8 | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 2260 | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 8.0 | 20 | | 08/23/10 18:36 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 60.0 | 20 | | 08/23/10 18:36 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 40.0 | 20 | | 08/23/10 18:36 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 20.0 | 20 | | 08/23/10 18:36 | 95-47-6 | |
| Dibromofluoromethane (S) | 110 | % | 75-130 | 20 | | 08/23/10 18:36 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 102 | % | 75-131 | 20 | | 08/23/10 18:36 | 17060-07-0 | |
| Toluene-d8 (S) | 88 | % | 75-125 | 20 | | 08/23/10 18:36 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 75-125 | 20 | | 08/23/10 18:36 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-4 | Lab ID: 10136159006 | Collected: 08/18/10 18:30 | Received: 08/19/10 15:23 | 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 | | 08/23/10 17:51 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 107-05-1 | |
| Benzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-27-4 | |
| Bromoform | ND | ug/L | 40.0 | 5 | | 08/23/10 17:51 | 75-25-2 | |
| Bromomethane | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 108-90-7 | |
| Chloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-00-3 | |
| Chloroform | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 67-66-3 | |
| Chloromethane | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-35-4 | |
| cis-1,2-Dichloroethene | 20.7 | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 20.0 | 5 | | 08/23/10 17:51 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

Sample: DPE-4 **Lab ID: 10136159006** Collected: 08/18/10 18:30 Received: 08/19/10 15:23 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 | | 08/23/10 17:51 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 79-34-5 | |
| Tetrachloroethene | 2600 | ug/L | 50.0 | 50 | | 08/25/10 20:58 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 5 | | 08/23/10 17:51 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 79-00-5 | |
| Trichloroethene | 7.1 | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 181 | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 2.0 | 5 | | 08/23/10 17:51 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 15.0 | 5 | | 08/23/10 17:51 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 5 | | 08/23/10 17:51 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 5.0 | 5 | | 08/23/10 17:51 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 5 | | 08/23/10 17:51 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 75-131 | 5 | | 08/23/10 17:51 | 17060-07-0 | |
| Toluene-d8 (S) | 90 | % | 75-125 | 5 | | 08/23/10 17:51 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 75-125 | 5 | | 08/23/10 17:51 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-5 | Lab ID: 10136159007 | Collected: 08/18/10 18:40 | Received: 08/19/10 15:23 | 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 | | 08/25/10 18:22 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/25/10 18:22 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 78-93-3 | L3 |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-35-4 | |
| cis-1,2-Dichloroethene | 1.3 ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:22 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/25/10 18:22 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-5 | | Lab ID: 10136159007 | Collected: 08/18/10 18:40 | Received: 08/19/10 15:23 | 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 | | 08/25/10 18:22 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 79-34-5 | |
| Tetrachloroethene | 124 | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/25/10 18:22 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 11.5 | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/25/10 18:22 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/25/10 18:22 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/25/10 18:22 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:22 | 95-47-6 | |
| Dibromofluoromethane (S) | 117 | % | 75-130 | 1 | | 08/25/10 18:22 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 116 | % | 75-131 | 1 | | 08/25/10 18:22 | 17060-07-0 | |
| Toluene-d8 (S) | 94 | % | 75-125 | 1 | | 08/25/10 18:22 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | % | 75-125 | 1 | | 08/25/10 18:22 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-6 | Lab ID: 10136159008 | Collected: 08/18/10 18:50 | Received: 08/19/10 15:23 | 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 | | 08/23/10 11:48 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/23/10 11:48 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-00-3 | |
| Chloroform | 1.0 ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 594-20-7 | M1 |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/23/10 11:48 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/23/10 11:48 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-6 | | Lab ID: 10136159008 | Collected: 08/18/10 18:50 | Received: 08/19/10 15:23 | 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 | | 08/23/10 11:48 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 79-34-5 | |
| Tetrachloroethene | 21.7 | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 11:48 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 11:48 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 11:48 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 11:48 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:48 | 95-47-6 | |
| Dibromofluoromethane (S) | 104 | % | 75-130 | 1 | | 08/23/10 11:48 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 98 | % | 75-131 | 1 | | 08/23/10 11:48 | 17060-07-0 | |
| Toluene-d8 (S) | 98 | % | 75-125 | 1 | | 08/23/10 11:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 75-125 | 1 | | 08/23/10 11:48 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-7 | | Lab ID: 10136159009 | Collected: 08/18/10 19:00 | Received: 08/19/10 15:23 | 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 | | 08/23/10 12:10 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 08/23/10 12:10 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-00-3 | |
| Chloroform | 1.3 | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 08/23/10 12:10 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-7 | | Lab ID: 10136159009 | Collected: 08/18/10 19:00 | Received: 08/19/10 15:23 | 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 | | 08/23/10 12:10 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 79-34-5 | |
| Tetrachloroethene | 189 | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 12:10 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 11.9 | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 12:10 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 12:10 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 12:10 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 12:10 | 95-47-6 | |
| Dibromofluoromethane (S) | 107 | % | 75-130 | 1 | | 08/23/10 12:10 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 97 | % | 75-131 | 1 | | 08/23/10 12:10 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 1 | | 08/23/10 12:10 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 100 | % | 75-125 | 1 | | 08/23/10 12:10 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-8 | | Lab ID: 10136159010 | Collected: 08/18/10 19:10 | Received: 08/19/10 15:23 | 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 | | 08/23/10 13:19 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 08/23/10 13:19 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 08/23/10 13:19 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: DPE-8 | | Lab ID: 10136159010 | Collected: 08/18/10 19:10 | Received: 08/19/10 15:23 | 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 | | 08/23/10 13:19 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 79-34-5 | |
| Tetrachloroethene | 131 | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 13:19 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 5.9 | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 13:19 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 13:19 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 13:19 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:19 | 95-47-6 | |
| Dibromofluoromethane (S) | 102 | % | 75-130 | 1 | | 08/23/10 13:19 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 93 | % | 75-131 | 1 | | 08/23/10 13:19 | 17060-07-0 | |
| Toluene-d8 (S) | 95 | % | 75-125 | 1 | | 08/23/10 13:19 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | % | 75-125 | 1 | | 08/23/10 13:19 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-15 | Lab ID: 10136159011 | Collected: 08/18/10 14:59 | Received: 08/19/10 15:23 | 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 | | 08/23/10 13:41 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/23/10 13:41 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/23/10 13:41 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/23/10 13:41 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-15 | | Lab ID: 10136159011 | Collected: 08/18/10 14:59 | Received: 08/19/10 15:23 | 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 | | 08/23/10 13:41 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 79-34-5 | |
| Tetrachloroethene | 1.3 | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 13:41 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 13:41 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 13:41 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 13:41 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 13:41 | 95-47-6 | |
| Dibromofluoromethane (S) | 106 | % | 75-130 | 1 | | 08/23/10 13:41 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 101 | % | 75-131 | 1 | | 08/23/10 13:41 | 17060-07-0 | |
| Toluene-d8 (S) | 90 | % | 75-125 | 1 | | 08/23/10 13:41 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 75-125 | 1 | | 08/23/10 13:41 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-16 | Lab ID: 10136159012 | Collected: 08/18/10 16:49 | Received: 08/19/10 15:23 | 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 | | 08/25/10 19:29 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 107-05-1 | |
| Benzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-27-4 | |
| Bromoform | ND ug/L | | 40.0 | 5 | | 08/25/10 19:29 | 75-25-2 | |
| Bromomethane | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 78-93-3 | L3 |
| n-Butylbenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 108-90-7 | |
| Chloroethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-00-3 | |
| Chloroform | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 67-66-3 | |
| Chloromethane | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 20.0 | 5 | | 08/25/10 19:29 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 5.0 | 5 | | 08/25/10 19:29 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-16 | | Lab ID: 10136159012 | Collected: 08/18/10 16:49 | Received: 08/19/10 15:23 | 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 | | 08/25/10 19:29 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 103-65-1 | |
| Styrene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 79-34-5 | |
| Tetrachloroethene | 696 | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 50.0 | 5 | | 08/25/10 19:29 | 109-99-9 | |
| Toluene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 63.8 | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 2.0 | 5 | | 08/25/10 19:29 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 15.0 | 5 | | 08/25/10 19:29 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 10.0 | 5 | | 08/25/10 19:29 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 5.0 | 5 | | 08/25/10 19:29 | 95-47-6 | |
| Dibromofluoromethane (S) | 118 | % | 75-130 | 5 | | 08/25/10 19:29 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 121 | % | 75-131 | 5 | | 08/25/10 19:29 | 17060-07-0 | |
| Toluene-d8 (S) | 92 | % | 75-125 | 5 | | 08/25/10 19:29 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 75-125 | 5 | | 08/25/10 19:29 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-14 | Lab ID: 10136159013 | Collected: 08/18/10 14:40 | Received: 08/19/10 15:23 | 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 | | 08/23/10 14:04 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/23/10 14:04 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-00-3 | |
| Chloroform | 3.0 ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:04 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/23/10 14:04 | 1634-04-4 | |

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

Sample: MW-14 **Lab ID: 10136159013** Collected: 08/18/10 14:40 Received: 08/19/10 15:23 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 | | 08/23/10 14:04 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 79-34-5 | |
| Tetrachloroethene | 1.8 | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 14:04 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 14:04 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 14:04 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 14:04 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 14:04 | 95-47-6 | |
| Dibromofluoromethane (S) | 106 | % | 75-130 | 1 | | 08/23/10 14:04 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 100 | % | 75-131 | 1 | | 08/23/10 14:04 | 17060-07-0 | |
| Toluene-d8 (S) | 91 | % | 75-125 | 1 | | 08/23/10 14:04 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 96 | % | 75-125 | 1 | | 08/23/10 14:04 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-19 | Lab ID: 10136159014 | Collected: 08/18/10 14:00 | Received: 08/19/10 15:23 | 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 | | 08/23/10 14:27 | 67-64-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/23/10 14:27 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/23/10 14:27 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-19 | Lab ID: 10136159014 | Collected: 08/18/10 14:00 | Received: 08/19/10 15:23 | 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 | | 08/23/10 14:27 | 91-20-3 | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 103-65-1 | |
| Styrene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 79-34-5 | |
| Tetrachloroethene | 4.2 ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 127-18-4 | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 08/23/10 14:27 | 109-99-9 | |
| Toluene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 79-00-5 | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 79-01-6 | |
| Trichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 108-67-8 | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 08/23/10 14:27 | 75-01-4 | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 08/23/10 14:27 | 1330-20-7 | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 08/23/10 14:27 | 1330-20-7 | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 08/23/10 14:27 | 95-47-6 | |
| Dibromofluoromethane (S) | 108 % | | 75-130 | 1 | | 08/23/10 14:27 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 96 % | | 75-131 | 1 | | 08/23/10 14:27 | 17060-07-0 | |
| Toluene-d8 (S) | 94 % | | 75-125 | 1 | | 08/23/10 14:27 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 % | | 75-125 | 1 | | 08/23/10 14:27 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester
Pace Project No.: 10136159

| Sample: MW-20 | Lab ID: 10136159015 | Collected: 08/18/10 16:20 | Received: 08/19/10 15:23 | 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 | | 08/25/10 18:44 | 67-64-1 | L3 |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 08/25/10 18:44 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 78-93-3 | L3 |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 98-06-6 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-00-3 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 74-87-3 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 4.0 | 1 | | 08/25/10 18:44 | 108-10-1 | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 08/25/10 18:44 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: MW-20 | Lab ID: 10136159015 | Collected: 08/18/10 16:20 | Received: 08/19/10 15:23 | 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 | | 08/25/10 18:44 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 79-34-5 | |
| Tetrachloroethene | 74.7 | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/25/10 18:44 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | 2.8 | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/25/10 18:44 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/25/10 18:44 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/25/10 18:44 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/25/10 18:44 | 95-47-6 | |
| Dibromofluoromethane (S) | 119 | % | 75-130 | 1 | | 08/25/10 18:44 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 124 | % | 75-131 | 1 | | 08/25/10 18:44 | 17060-07-0 | |
| Toluene-d8 (S) | 91 | % | 75-125 | 1 | | 08/25/10 18:44 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | % | 75-125 | 1 | | 08/25/10 18:44 | 460-00-4 | |

ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: Trip Blank | | Lab ID: 10136159016 | Collected: | Received: 08/19/10 15:23 | 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 | | 08/23/10 11:25 | 67-64-1 | |
| Allyl chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 107-05-1 | |
| Benzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 71-43-2 | |
| Bromobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 108-86-1 | |
| Bromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 74-97-5 | |
| Bromodichloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-27-4 | |
| Bromoform | ND | ug/L | 8.0 | 1 | | 08/23/10 11:25 | 75-25-2 | |
| Bromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 74-83-9 | |
| 2-Butanone (MEK) | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 78-93-3 | |
| n-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 104-51-8 | |
| sec-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 135-98-8 | |
| tert-Butylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 98-06-6 | |
| Carbon tetrachloride | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 56-23-5 | |
| Chlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 108-90-7 | |
| Chloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-00-3 | |
| Chloroform | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 67-66-3 | |
| Chloromethane | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 74-87-3 | |
| 2-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 95-49-8 | |
| 4-Chlorotoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 96-12-8 | |
| Dibromochloromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 106-93-4 | |
| Dibromomethane | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 106-46-7 | |
| Dichlorodifluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-71-8 | |
| 1,1-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-34-3 | |
| 1,2-Dichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 107-06-2 | |
| 1,1-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 156-60-5 | |
| Dichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-43-4 | |
| 1,2-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 78-87-5 | |
| 1,3-Dichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 142-28-9 | |
| 2,2-Dichloropropane | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 594-20-7 | |
| 1,1-Dichloropropene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 60-29-7 | |
| Ethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 87-68-3 | |
| Isopropylbenzene (Cumene) | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 98-82-8 | |
| p-Isopropyltoluene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 99-87-6 | |
| Methylene Chloride | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 75-09-2 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 4.0 | 1 | | 08/23/10 11:25 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 1634-04-4 | |

Date: 08/26/2010 05:08 PM

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ANALYTICAL RESULTS

Project: City of Rochester

Pace Project No.: 10136159

| Sample: Trip Blank | | Lab ID: 10136159016 | Collected: | Received: 08/19/10 15:23 | 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 | | 08/23/10 11:25 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 79-34-5 | |
| Tetrachloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 08/23/10 11:25 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 108-67-8 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 08/23/10 11:25 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 08/23/10 11:25 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 08/23/10 11:25 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 08/23/10 11:25 | 95-47-6 | |
| Dibromofluoromethane (S) | 101 | % | 75-130 | 1 | | 08/23/10 11:25 | 1868-53-7 | |
| 1,2-Dichloroethane-d4 (S) | 91 | % | 75-131 | 1 | | 08/23/10 11:25 | 17060-07-0 | |
| Toluene-d8 (S) | 95 | % | 75-125 | 1 | | 08/23/10 11:25 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 75-125 | 1 | | 08/23/10 11:25 | 460-00-4 | |

QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

QC Batch: MSV/15182

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV 465 W

Associated Lab Samples: 10136159002, 10136159003

METHOD BLANK: 840796

Matrix: Water

Associated Lab Samples: 10136159002, 10136159003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Acetone | ug/L | ND | 10.0 | 08/20/10 14:26 | |
| Allyl chloride | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Benzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Bromobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Bromochloromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Bromoform | ug/L | ND | 8.0 | 08/20/10 14:26 | |
| Bromomethane | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Chlorobenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Chloroethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Chloroform | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Chloromethane | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Dibromomethane | ug/L | ND | 4.0 | 08/20/10 14:26 | |

Date: 08/26/2010 05:08 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

METHOD BLANK: 840796

Matrix: Water

Associated Lab Samples: 10136159002, 10136159003

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Ethylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| m&p-Xylene | ug/L | ND | 2.0 | 08/20/10 14:26 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Methylene Chloride | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Naphthalene | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| o-Xylene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Styrene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 08/20/10 14:26 | |
| Toluene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/20/10 14:26 | |
| Trichloroethene | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 08/20/10 14:26 | |
| Vinyl chloride | ug/L | ND | 0.40 | 08/20/10 14:26 | |
| Xylene (Total) | ug/L | ND | 3.0 | 08/20/10 14:26 | |
| 1,2-Dichloroethane-d4 (S) | % | 94 | 75-131 | 08/20/10 14:26 | |
| 4-Bromofluorobenzene (S) | % | 104 | 75-125 | 08/20/10 14:26 | |
| Dibromofluoromethane (S) | % | 107 | 75-130 | 08/20/10 14:26 | |
| Toluene-d8 (S) | % | 98 | 75-125 | 08/20/10 14:26 | |

LABORATORY CONTROL SAMPLE: 840797

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 50.0 | 100 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 48.9 | 98 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 48.1 | 96 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 52.0 | 104 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 49.5 | 99 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 51.3 | 103 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 54.4 | 109 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 55.2 | 110 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 55.3 | 111 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 45.3 | 91 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 53.9 | 108 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 840797

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 55.5 | 111 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 46.1 | 92 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 51.2 | 102 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.2 | 94 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 52.2 | 104 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 57.3 | 115 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.9 | 104 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 52.6 | 105 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.5 | 99 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 51.6 | 103 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 50.9 | 102 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 54.1 | 108 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 54.5 | 109 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 48.5 | 97 | 65-132 | |
| Acetone | ug/L | 125 | 102 | 81 | 36-126 | |
| Allyl chloride | ug/L | 50 | 57.2 | 114 | 64-137 | |
| Benzene | ug/L | 50 | 55.1 | 110 | 75-125 | |
| Bromobenzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 51.9 | 104 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 47.1 | 94 | 75-125 | |
| Bromoform | ug/L | 50 | 50.0 | 100 | 72-131 | |
| Bromomethane | ug/L | 50 | 44.1 | 88 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 48.4 | 97 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 52.6 | 105 | 75-125 | |
| Chloroethane | ug/L | 50 | 52.9 | 106 | 56-137 | |
| Chloroform | ug/L | 50 | 50.9 | 102 | 75-125 | |
| Chloromethane | ug/L | 50 | 51.8 | 104 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 56.5 | 113 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 53.1 | 106 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 51.1 | 102 | 75-125 | |
| Dibromomethane | ug/L | 50 | 48.6 | 97 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 45.6 | 91 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 50.7 | 101 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 50.0 | 100 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 55.1 | 110 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 26.4 | 106 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 58.4 | 117 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 117 | 117 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 48.3 | 97 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 53.5 | 107 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 51.8 | 104 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 55.3 | 111 | 75-125 | |
| Naphthalene | ug/L | 50 | 46.6 | 93 | 69-130 | |
| o-Xylene | ug/L | 50 | 57.3 | 115 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 52.0 | 104 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 56.2 | 112 | 75-125 | |
| Styrene | ug/L | 50 | 52.7 | 105 | 75-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 840797

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 56.4 | 113 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 54.6 | 109 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 513 | 103 | 64-135 | |
| Toluene | ug/L | 50 | 55.5 | 111 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 54.3 | 109 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 54.0 | 108 | 75-125 | |
| Trichloroethene | ug/L | 50 | 56.5 | 113 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 46.8 | 94 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 56.4 | 113 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 174 | 116 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 85 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 93 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 93 | 75-130 | |
| Toluene-d8 (S) | % | | | 103 | 75-125 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 840798 840799

| Parameter | Units | 10136132003 | | MS | MSD | MS | | MSD | | % Rec Limits | RPD | Max RPD | Qual |
|--------------------------------|-------|-------------|-------------|-------------|--------|--------|-------|-------|--------|--------------|-----|---------|------|
| | | Result | Spike Conc. | Spike Conc. | Result | Result | % Rec | % Rec | | | | | |
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 48.4 | 50.1 | 97 | 100 | 72-133 | 3 | 30 | | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 50 | 49.8 | 51.1 | 100 | 102 | 65-150 | 3 | 30 | | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 50 | 47.7 | 49.3 | 95 | 99 | 63-138 | 3 | 30 | | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 50 | 51.0 | 52.0 | 102 | 104 | 68-131 | 2 | 30 | | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 50 | 58.4 | 58.6 | 117 | 117 | 47-150 | .2 | 30 | | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 50 | 49.9 | 52.0 | 100 | 104 | 71-131 | 4 | 30 | | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 50 | 56.6 | 57.7 | 113 | 115 | 66-145 | 2 | 30 | | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 50 | 56.9 | 59.8 | 114 | 120 | 62-144 | 5 | 30 | | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 50 | 54.6 | 58.3 | 109 | 117 | 66-139 | 7 | 30 | | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 50 | 45.0 | 45.0 | 90 | 90 | 61-139 | .004 | 30 | | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 50 | 53.3 | 57.4 | 107 | 115 | 68-139 | 7 | 30 | | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 50 | 56.1 | 59.3 | 112 | 119 | 69-130 | 6 | 30 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 50 | 46.1 | 48.3 | 92 | 97 | 53-150 | 5 | 30 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 50 | 48.9 | 50.1 | 98 | 100 | 69-133 | 2 | 30 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 50 | 51.9 | 54.3 | 104 | 109 | 72-131 | 5 | 30 | | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 50 | 45.6 | 46.4 | 91 | 93 | 62-148 | 2 | 30 | | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 50 | 53.0 | 53.2 | 106 | 106 | 74-128 | .4 | 30 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 50 | 57.5 | 61.1 | 115 | 122 | 65-134 | 6 | 30 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 50 | 51.3 | 53.9 | 103 | 108 | 73-130 | 5 | 30 | | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 50 | 50.0 | 52.2 | 100 | 104 | 71-130 | 4 | 30 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 50 | 49.2 | 52.4 | 98 | 105 | 71-132 | 6 | 30 | | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 50 | 53.6 | 53.9 | 107 | 108 | 50-150 | .6 | 30 | | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 50 | 40.3 | 42.2 | 81 | 84 | 46-140 | 5 | 30 | | |
| 2-Chlorotoluene | ug/L | ND | 50 | 50 | 53.2 | 56.8 | 106 | 114 | 74-131 | 6 | 30 | | |
| 4-Chlorotoluene | ug/L | ND | 50 | 50 | 54.8 | 57.2 | 110 | 114 | 70-139 | 4 | 30 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 50 | 46.9 | 48.7 | 94 | 97 | 59-145 | 4 | 30 | | |
| Acetone | ug/L | ND | 125 | 125 | 70.1 | 83.9 | 56 | 67 | 36-126 | 18 | 30 | | |
| Allyl chloride | ug/L | ND | 50 | 50 | 57.5 | 58.2 | 115 | 116 | 50-148 | 1 | 30 | | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

| Parameter | 10136132003 | | MS | | MSD | | MS | | MSD | | MS | | MSD | | % Rec | | Max | |
|-----------------------------|-------------|--------|-------------|-----------------|-----------|------------|----------|-----------|----------|-----------|----------|-----------|--------|-----|-------|-----|-----|------|
| | Units | Result | Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | MS % Rec | MSD % Rec | MS % Rec | MSD % Rec | Limits | RPD | RPD | RPD | RPD | Qual |
| Benzene | ug/L | ND | 50 | 50 | 54.3 | 56.7 | 109 | 113 | 70-133 | 4 | 30 | | | | | | | |
| Bromobenzene | ug/L | ND | 50 | 50 | 52.1 | 53.9 | 104 | 108 | 72-129 | 4 | 30 | | | | | | | |
| Bromochloromethane | ug/L | ND | 50 | 50 | 49.6 | 51.5 | 99 | 103 | 69-137 | 4 | 30 | | | | | | | |
| Bromodichloromethane | ug/L | ND | 50 | 50 | 47.6 | 47.9 | 95 | 96 | 73-134 | .6 | 30 | | | | | | | |
| Bromoform | ug/L | ND | 50 | 50 | 48.4 | 50.2 | 97 | 100 | 56-144 | 4 | 30 | | | | | | | |
| Bromomethane | ug/L | ND | 50 | 50 | 45.9 | 48.6 | 92 | 97 | 30-150 | 6 | 30 | | | | | | | |
| Carbon tetrachloride | ug/L | ND | 50 | 50 | 48.4 | 49.7 | 97 | 99 | 55-150 | 3 | 30 | | | | | | | |
| Chlorobenzene | ug/L | ND | 50 | 50 | 51.4 | 54.0 | 103 | 108 | 71-132 | 5 | 30 | | | | | | | |
| Chloroethane | ug/L | ND | 50 | 50 | 56.6 | 52.6 | 113 | 105 | 50-150 | 7 | 30 | | | | | | | |
| Chloroform | ug/L | ND | 50 | 50 | 50.3 | 50.7 | 101 | 101 | 68-138 | .7 | 30 | | | | | | | |
| Chloromethane | ug/L | ND | 50 | 50 | 55.0 | 54.2 | 110 | 108 | 61-148 | 1 | 30 | | | | | | | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 55.7 | 57.3 | 111 | 115 | 68-135 | 3 | 30 | | | | | | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 49.8 | 50.2 | 100 | 100 | 70-134 | .7 | 30 | | | | | | | |
| Dibromochloromethane | ug/L | ND | 50 | 50 | 48.4 | 51.0 | 97 | 102 | 67-135 | 5 | 30 | | | | | | | |
| Dibromomethane | ug/L | ND | 50 | 50 | 48.2 | 49.3 | 96 | 99 | 74-130 | 2 | 30 | | | | | | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 50 | 55.3 | 52.5 | 111 | 105 | 44-150 | 5 | 30 | | | | | | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 50 | 51.1 | 51.3 | 102 | 103 | 67-145 | .4 | 30 | | | | | | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50 | 49.0 | 51.3 | 98 | 103 | 69-132 | 5 | 30 | | | | | | | |
| Ethylbenzene | ug/L | ND | 50 | 50 | 56.4 | 57.9 | 113 | 116 | 66-133 | 3 | 30 | | | | | | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 25 | 28.5 | 28.9 | 114 | 116 | 59-150 | 2 | 30 | | | | | | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 50 | 58.0 | 60.0 | 116 | 120 | 71-140 | 3 | 30 | | | | | | | |
| m&p-Xylene | ug/L | ND | 100 | 100 | 114 | 117 | 114 | 117 | 63-130 | 3 | 30 | | | | | | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 50 | 45.7 | 47.8 | 91 | 96 | 62-143 | 4 | 30 | | | | | | | |
| Methylene Chloride | ug/L | ND | 50 | 50 | 53.2 | 51.6 | 106 | 103 | 69-126 | 3 | 30 | | | | | | | |
| n-Butylbenzene | ug/L | ND | 50 | 50 | 53.4 | 56.6 | 107 | 113 | 73-140 | 6 | 30 | | | | | | | |
| n-Propylbenzene | ug/L | ND | 50 | 50 | 57.4 | 60.1 | 115 | 120 | 71-136 | 5 | 30 | | | | | | | |
| Naphthalene | ug/L | ND | 50 | 50 | 46.4 | 49.0 | 93 | 98 | 55-147 | 5 | 30 | | | | | | | |
| o-Xylene | ug/L | ND | 50 | 50 | 56.9 | 59.1 | 114 | 118 | 66-132 | 4 | 30 | | | | | | | |
| p-Isopropyltoluene | ug/L | ND | 50 | 50 | 53.4 | 57.4 | 107 | 115 | 69-138 | 7 | 30 | | | | | | | |
| sec-Butylbenzene | ug/L | ND | 50 | 50 | 58.5 | 62.0 | 117 | 124 | 73-140 | 6 | 30 | | | | | | | |
| Styrene | ug/L | ND | 50 | 50 | 52.0 | 54.6 | 104 | 109 | 68-138 | 5 | 30 | | | | | | | |
| tert-Butylbenzene | ug/L | ND | 50 | 50 | 56.9 | 60.7 | 114 | 121 | 70-138 | 7 | 30 | | | | | | | |
| Tetrachloroethene | ug/L | ND | 50 | 50 | 54.1 | 54.2 | 108 | 108 | 70-138 | .3 | 30 | | | | | | | |
| Tetrahydrofuran | ug/L | ND | 500 | 500 | 479 | 510 | 96 | 102 | 54-148 | 6 | 30 | | | | | | | |
| Toluene | ug/L | ND | 50 | 50 | 55.6 | 56.6 | 111 | 113 | 65-127 | 2 | 30 | | | | | | | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 50 | 52.1 | 55.3 | 104 | 111 | 67-131 | 6 | 30 | | | | | | | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 50 | 52.4 | 53.1 | 105 | 106 | 64-138 | 1 | 30 | | | | | | | |
| Trichloroethene | ug/L | ND | 50 | 50 | 57.4 | 57.6 | 115 | 115 | 70-133 | .3 | 30 | | | | | | | |
| Trichlorofluoromethane | ug/L | ND | 50 | 50 | 52.9 | 50.6 | 106 | 101 | 59-150 | 4 | 30 | | | | | | | |
| Vinyl chloride | ug/L | ND | 50 | 50 | 61.4 | 58.1 | 123 | 116 | 59-150 | 6 | 30 | | | | | | | |
| Xylene (Total) | ug/L | ND | 150 | 150 | 171 | 176 | 114 | 118 | 65-130 | 3 | 30 | | | | | | | |
| 1,2-Dichloroethane-d4 (S) | % | | | | | | | 82 | 83 | 75-131 | | | | | | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | | 100 | 97 | 75-125 | | | | | | | | |
| Dibromofluoromethane (S) | % | | | | | | | 88 | 91 | 75-130 | | | | | | | | |
| Toluene-d8 (S) | % | | | | | | | 99 | 98 | 75-125 | | | | | | | | |

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10136159

QC Batch: MSV/15187 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10136159004, 10136159005, 10136159006, 10136159008, 10136159009, 10136159010, 10136159011, 10136159013, 10136159014, 10136159016

METHOD BLANK: 840914 Matrix: Water
Associated Lab Samples: 10136159004, 10136159005, 10136159006, 10136159008, 10136159009, 10136159010, 10136159011, 10136159013, 10136159014, 10136159016

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Acetone | ug/L | ND | 10.0 | 08/23/10 11:02 | |
| Allyl chloride | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Benzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Bromobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Bromochloromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Bromoform | ug/L | ND | 8.0 | 08/23/10 11:02 | |
| Bromomethane | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Chlorobenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Chloroethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Chloroform | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Chloromethane | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/23/10 11:02 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

METHOD BLANK: 840914

Matrix: Water

Associated Lab Samples: 10136159004, 10136159005, 10136159006, 10136159008, 10136159009, 10136159010, 10136159011, 10136159013, 10136159014, 10136159016

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dibromochloromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Dibromomethane | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Ethylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| m&p-Xylene | ug/L | ND | 2.0 | 08/23/10 11:02 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Methylene Chloride | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Naphthalene | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| o-Xylene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Styrene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 08/23/10 11:02 | |
| Toluene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/23/10 11:02 | |
| Trichloroethene | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 08/23/10 11:02 | |
| Vinyl chloride | ug/L | ND | 0.40 | 08/23/10 11:02 | |
| Xylene (Total) | ug/L | ND | 3.0 | 08/23/10 11:02 | |
| 1,2-Dichloroethane-d4 (S) | % | 94 | 75-131 | 08/23/10 11:02 | |
| 4-Bromofluorobenzene (S) | % | 110 | 75-125 | 08/23/10 11:02 | |
| Dibromofluoromethane (S) | % | 105 | 75-130 | 08/23/10 11:02 | |
| Toluene-d8 (S) | % | 99 | 75-125 | 08/23/10 11:02 | |

LABORATORY CONTROL SAMPLE: 840915

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 47.6 | 95 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 47.6 | 95 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 45.7 | 91 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 49.1 | 98 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 51.1 | 102 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 51.7 | 103 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 56.3 | 113 | 69-125 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 840915

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,3-Trichlorobenzene | ug/L | 50 | 52.4 | 105 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 44.7 | 89 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 51.9 | 104 | 75-125 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 54.6 | 109 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 42.5 | 85 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 47.2 | 94 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 50.7 | 101 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 44.2 | 88 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 53.8 | 108 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 56.1 | 112 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 51.0 | 102 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 48.9 | 98 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 49.4 | 99 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 50.8 | 102 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 48.7 | 97 | 55-140 | |
| 2-Chlorotoluene | ug/L | 50 | 53.0 | 106 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 55.3 | 111 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 44.7 | 89 | 65-132 | |
| Acetone | ug/L | 125 | 110 | 88 | 36-126 | |
| Allyl chloride | ug/L | 50 | 57.7 | 115 | 64-137 | |
| Benzene | ug/L | 50 | 56.4 | 113 | 75-125 | |
| Bromobenzene | ug/L | 50 | 50.6 | 101 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 49.4 | 99 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 46.6 | 93 | 75-125 | |
| Bromoform | ug/L | 50 | 46.0 | 92 | 72-131 | |
| Bromomethane | ug/L | 50 | 40.8 | 82 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 45.2 | 90 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 51.4 | 103 | 75-125 | |
| Chloroethane | ug/L | 50 | 52.0 | 104 | 56-137 | |
| Chloroform | ug/L | 50 | 49.6 | 99 | 75-125 | |
| Chloromethane | ug/L | 50 | 47.6 | 95 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 56.0 | 112 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 54.5 | 109 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 47.0 | 94 | 75-125 | |
| Dibromomethane | ug/L | 50 | 47.9 | 96 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 40.6 | 81 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 48.9 | 98 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 51.2 | 102 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 54.9 | 110 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 26.8 | 107 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 57.0 | 114 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 112 | 112 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 44.9 | 90 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 53.4 | 107 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 52.4 | 105 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 55.8 | 112 | 75-125 | |
| Naphthalene | ug/L | 50 | 45.0 | 90 | 69-130 | |
| o-Xylene | ug/L | 50 | 57.8 | 116 | 75-125 | |

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 840915

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| p-Isopropyltoluene | ug/L | 50 | 53.4 | 107 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 58.4 | 117 | 75-125 | |
| Styrene | ug/L | 50 | 51.9 | 104 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 56.6 | 113 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 53.6 | 107 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 481 | 96 | 64-135 | |
| Toluene | ug/L | 50 | 55.1 | 110 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 49.1 | 98 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 50.9 | 102 | 75-125 | |
| Trichloroethene | ug/L | 50 | 54.4 | 109 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 44.2 | 88 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 53.9 | 108 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 170 | 113 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 80 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 91 | 75-130 | |
| Toluene-d8 (S) | % | | | 100 | 75-125 | |

MATRIX SPIKE SAMPLE: 841032

| Parameter | Units | 10136159008 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 46.4 | 93 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 47.1 | 94 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 47.9 | 96 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 49.8 | 100 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 49.8 | 100 | 47-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 49.5 | 99 | 71-131 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 50.9 | 102 | 66-145 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 55.4 | 111 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 52.1 | 104 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 43.7 | 87 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 49.6 | 99 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 53.8 | 108 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 44.4 | 89 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 46.4 | 93 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 50.5 | 101 | 72-131 | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 42.4 | 85 | 62-148 | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 52.6 | 105 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 53.9 | 108 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 49.2 | 98 | 73-130 | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 48.8 | 98 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 48.2 | 96 | 71-132 | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 12.2 | 24 | 50-150 M1 | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 41.6 | 83 | 46-140 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 52.2 | 104 | 74-131 | |
| 4-Chlorotoluene | ug/L | ND | 50 | 52.0 | 104 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 44.6 | 89 | 59-145 | |

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QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10136159

| MATRIX SPIKE SAMPLE: | | 841032 | | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|--|
| Parameter | Units | 10136159008 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers | |
| Acetone | ug/L | ND | 125 | 85.7 | 69 | 36-126 | | |
| Allyl chloride | ug/L | ND | 50 | 47.8 | 96 | 50-148 | | |
| Benzene | ug/L | ND | 50 | 55.3 | 111 | 70-133 | | |
| Bromobenzene | ug/L | ND | 50 | 51.2 | 102 | 72-129 | | |
| Bromochloromethane | ug/L | ND | 50 | 47.5 | 95 | 69-137 | | |
| Bromodichloromethane | ug/L | ND | 50 | 47.5 | 95 | 73-134 | | |
| Bromoform | ug/L | ND | 50 | 47.6 | 95 | 56-144 | | |
| Bromomethane | ug/L | ND | 50 | 39.7 | 79 | 30-150 | | |
| Carbon tetrachloride | ug/L | ND | 50 | 44.6 | 89 | 55-150 | | |
| Chlorobenzene | ug/L | ND | 50 | 50.4 | 101 | 71-132 | | |
| Chloroethane | ug/L | ND | 50 | 54.1 | 108 | 50-150 | | |
| Chloroform | ug/L | 1.0 | 50 | 49.1 | 96 | 68-138 | | |
| Chloromethane | ug/L | ND | 50 | 51.6 | 103 | 61-148 | | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 55.2 | 109 | 68-135 | | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 39.4 | 79 | 70-134 | | |
| Dibromochloromethane | ug/L | ND | 50 | 46.6 | 93 | 67-135 | | |
| Dibromomethane | ug/L | ND | 50 | 48.3 | 97 | 74-130 | | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 49.2 | 98 | 44-150 | | |
| Dichlorofluoromethane | ug/L | ND | 50 | 48.2 | 96 | 67-145 | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 50.7 | 101 | 69-132 | | |
| Ethylbenzene | ug/L | ND | 50 | 52.5 | 105 | 66-133 | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 26.2 | 105 | 59-150 | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 55.3 | 111 | 71-140 | | |
| m&p-Xylene | ug/L | ND | 100 | 107 | 107 | 63-130 | | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 45.2 | 90 | 62-143 | | |
| Methylene Chloride | ug/L | ND | 50 | 50.3 | 101 | 69-126 | | |
| n-Butylbenzene | ug/L | ND | 50 | 46.3 | 93 | 73-140 | | |
| n-Propylbenzene | ug/L | ND | 50 | 53.5 | 107 | 71-136 | | |
| Naphthalene | ug/L | ND | 50 | 47.1 | 94 | 55-147 | | |
| o-Xylene | ug/L | ND | 50 | 55.1 | 110 | 66-132 | | |
| p-Isopropyltoluene | ug/L | ND | 50 | 50.3 | 101 | 69-138 | | |
| sec-Butylbenzene | ug/L | ND | 50 | 55.8 | 112 | 73-140 | | |
| Styrene | ug/L | ND | 50 | 46.2 | 92 | 68-138 | | |
| tert-Butylbenzene | ug/L | ND | 50 | 56.0 | 112 | 70-138 | | |
| Tetrachloroethene | ug/L | 21.7 | 50 | 74.0 | 105 | 70-138 | | |
| Tetrahydrofuran | ug/L | ND | 500 | 476 | 95 | 54-148 | | |
| Toluene | ug/L | ND | 50 | 54.2 | 108 | 65-127 | | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 49.5 | 99 | 67-131 | | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 39.8 | 80 | 64-138 | | |
| Trichloroethene | ug/L | ND | 50 | 57.5 | 115 | 70-133 | | |
| Trichlorofluoromethane | ug/L | ND | 50 | 48.0 | 96 | 59-150 | | |
| Vinyl chloride | ug/L | ND | 50 | 59.2 | 118 | 59-150 | | |
| Xylene (Total) | ug/L | ND | 150 | 162 | 108 | 65-130 | | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 79 | 75-131 | | |
| 4-Bromofluorobenzene (S) | % | | | | 105 | 75-125 | | |
| Dibromofluoromethane (S) | % | | | | 91 | 75-130 | | |
| Toluene-d8 (S) | % | | | | 103 | 75-125 | | |

QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

SAMPLE DUPLICATE: 841033

| Parameter | Units | 10136159009 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 | 11.9 | 11.9 | .5 | 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 | .36J | | 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 | 1.3 | 1.3 | 5 | 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: City of Rochester

Pace Project No.: 10136159

SAMPLE DUPLICATE: 841033

| Parameter | Units | 10136159009 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 | 189 | 191 | .9 | 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) | % | 97 | 100 | 4 | | |
| 4-Bromofluorobenzene (S) | % | 100 | 100 | .7 | | |
| Dibromofluoromethane (S) | % | 107 | 108 | 1 | | |
| Toluene-d8 (S) | % | 92 | 93 | .7 | | |

QUALITY CONTROL DATA

Project: City of Rochester
Pace Project No.: 10136159

QC Batch: MSV/15210 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 465 W
Associated Lab Samples: 10136159001, 10136159007, 10136159012, 10136159015

METHOD BLANK: 842770 Matrix: Water
Associated Lab Samples: 10136159001, 10136159007, 10136159012, 10136159015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1,2-Trichloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Acetone | ug/L | ND | 10.0 | 08/25/10 13:09 | |
| Allyl chloride | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Benzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Bromobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Bromochloromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Bromodichloromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Bromoform | ug/L | ND | 8.0 | 08/25/10 13:09 | |
| Bromomethane | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Chlorobenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Chloroethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Chloroform | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Chloromethane | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Dibromomethane | ug/L | ND | 4.0 | 08/25/10 13:09 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

METHOD BLANK: 842770

Matrix: Water

Associated Lab Samples: 10136159001, 10136159007, 10136159012, 10136159015

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Ethylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| m&p-Xylene | ug/L | ND | 2.0 | 08/25/10 13:09 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Methylene Chloride | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Naphthalene | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| o-Xylene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Styrene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 08/25/10 13:09 | |
| Toluene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 08/25/10 13:09 | |
| Trichloroethene | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Trichlorofluoromethane | ug/L | ND | 1.0 | 08/25/10 13:09 | |
| Vinyl chloride | ug/L | ND | 0.40 | 08/25/10 13:09 | |
| Xylene (Total) | ug/L | ND | 3.0 | 08/25/10 13:09 | |
| 1,2-Dichloroethane-d4 (S) | % | 104 | 75-131 | 08/25/10 13:09 | |
| 4-Bromofluorobenzene (S) | % | 97 | 75-125 | 08/25/10 13:09 | |
| Dibromofluoromethane (S) | % | 108 | 75-130 | 08/25/10 13:09 | |
| Toluene-d8 (S) | % | 96 | 75-125 | 08/25/10 13:09 | |

LABORATORY CONTROL SAMPLE: 842771

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 55.8 | 112 | 75-125 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 60.7 | 121 | 68-130 | |
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 55.9 | 112 | 71-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 57.3 | 115 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 63.3 | 127 | 60-141 | |
| 1,1-Dichloroethane | ug/L | 50 | 61.0 | 122 | 75-125 | |
| 1,1-Dichloroethene | ug/L | 50 | 61.4 | 123 | 69-125 | |
| 1,1-Dichloropropene | ug/L | 50 | 60.9 | 122 | 69-125 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 54.6 | 109 | 72-129 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 56.8 | 114 | 69-127 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 54.4 | 109 | 75-125 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 842771

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,2,4-Trimethylbenzene | ug/L | 50 | 58.0 | 116 | 75-125 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 54.2 | 108 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 57.5 | 115 | 75-126 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 55.9 | 112 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 59.9 | 120 | 75-125 | |
| 1,2-Dichloropropane | ug/L | 50 | 58.7 | 117 | 75-125 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 57.8 | 116 | 75-125 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 55.8 | 112 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 57.2 | 114 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 55.9 | 112 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 61.1 | 122 | 54-149 | |
| 2-Butanone (MEK) | ug/L | 50 | 76.4 | 153 | 55-140 | L3 |
| 2-Chlorotoluene | ug/L | 50 | 55.9 | 112 | 75-125 | |
| 4-Chlorotoluene | ug/L | 50 | 57.5 | 115 | 75-125 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 55.5 | 111 | 65-132 | |
| Acetone | ug/L | 125 | 266 | 213 | 36-126 | CH,L3 |
| Allyl chloride | ug/L | 50 | 62.6 | 125 | 64-137 | |
| Benzene | ug/L | 50 | 60.0 | 120 | 75-125 | |
| Bromobenzene | ug/L | 50 | 57.0 | 114 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 59.3 | 119 | 75-125 | |
| Bromodichloromethane | ug/L | 50 | 59.2 | 118 | 75-125 | |
| Bromoform | ug/L | 50 | 56.2 | 112 | 72-131 | |
| Bromomethane | ug/L | 50 | 59.6 | 119 | 30-150 | |
| Carbon tetrachloride | ug/L | 50 | 61.0 | 122 | 61-140 | |
| Chlorobenzene | ug/L | 50 | 54.9 | 110 | 75-125 | |
| Chloroethane | ug/L | 50 | 62.0 | 124 | 56-137 | |
| Chloroform | ug/L | 50 | 60.1 | 120 | 75-125 | |
| Chloromethane | ug/L | 50 | 52.4 | 105 | 62-128 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 60.7 | 121 | 75-125 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 58.4 | 117 | 75-125 | |
| Dibromochloromethane | ug/L | 50 | 55.3 | 111 | 75-125 | |
| Dibromomethane | ug/L | 50 | 60.4 | 121 | 75-125 | |
| Dichlorodifluoromethane | ug/L | 50 | 67.6 | 135 | 54-141 | |
| Dichlorofluoromethane | ug/L | 50 | 61.7 | 123 | 70-128 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 60.3 | 121 | 75-125 | |
| Ethylbenzene | ug/L | 50 | 57.5 | 115 | 75-125 | |
| Hexachloro-1,3-butadiene | ug/L | 25 | 28.1 | 112 | 68-133 | |
| Isopropylbenzene (Cumene) | ug/L | 50 | 58.6 | 117 | 75-125 | |
| m&p-Xylene | ug/L | 100 | 115 | 115 | 75-125 | |
| Methyl-tert-butyl ether | ug/L | 50 | 58.8 | 118 | 73-132 | |
| Methylene Chloride | ug/L | 50 | 55.8 | 112 | 74-125 | |
| n-Butylbenzene | ug/L | 50 | 59.6 | 119 | 75-125 | |
| n-Propylbenzene | ug/L | 50 | 58.3 | 117 | 75-125 | |
| Naphthalene | ug/L | 50 | 56.0 | 112 | 69-130 | |
| o-Xylene | ug/L | 50 | 56.7 | 113 | 75-125 | |
| p-Isopropyltoluene | ug/L | 50 | 57.8 | 116 | 75-125 | |
| sec-Butylbenzene | ug/L | 50 | 58.2 | 116 | 75-125 | |
| Styrene | ug/L | 50 | 58.6 | 117 | 75-125 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

LABORATORY CONTROL SAMPLE: 842771

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| tert-Butylbenzene | ug/L | 50 | 56.3 | 113 | 73-125 | |
| Tetrachloroethene | ug/L | 50 | 56.1 | 112 | 72-125 | |
| Tetrahydrofuran | ug/L | 500 | 602 | 120 | 64-135 | |
| Toluene | ug/L | 50 | 56.1 | 112 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 59.8 | 120 | 70-125 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 57.7 | 115 | 75-125 | |
| Trichloroethene | ug/L | 50 | 57.7 | 115 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 63.8 | 128 | 68-132 | |
| Vinyl chloride | ug/L | 50 | 62.6 | 125 | 62-132 | |
| Xylene (Total) | ug/L | 150 | 172 | 114 | 75-125 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 105 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | 99 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 104 | 75-130 | |
| Toluene-d8 (S) | % | | | 99 | 75-125 | |

MATRIX SPIKE SAMPLE: 842798

| Parameter | Units | 10136422001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 50 | 47.4 | 95 | 72-133 | |
| 1,1,1-Trichloroethane | ug/L | ND | 50 | 53.3 | 107 | 65-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 50 | 46.8 | 94 | 63-138 | |
| 1,1,2-Trichloroethane | ug/L | ND | 50 | 47.2 | 94 | 68-131 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 50 | 60.5 | 121 | 47-150 | |
| 1,1-Dichloroethane | ug/L | ND | 50 | 52.0 | 104 | 71-131 | |
| 1,1-Dichloroethene | ug/L | ND | 50 | 55.0 | 110 | 66-145 | |
| 1,1-Dichloropropene | ug/L | ND | 50 | 53.7 | 107 | 62-144 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 50 | 43.6 | 87 | 66-139 | |
| 1,2,3-Trichloropropane | ug/L | ND | 50 | 46.3 | 93 | 61-139 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 50 | 44.9 | 90 | 68-139 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 50 | 49.4 | 99 | 69-130 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 50 | 44.1 | 88 | 53-150 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 50 | 46.4 | 93 | 69-133 | |
| 1,2-Dichlorobenzene | ug/L | ND | 50 | 46.8 | 94 | 72-131 | |
| 1,2-Dichloroethane | ug/L | ND | 50 | 49.9 | 100 | 62-148 | |
| 1,2-Dichloropropane | ug/L | ND | 50 | 49.1 | 98 | 74-128 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 50 | 49.2 | 98 | 65-134 | |
| 1,3-Dichlorobenzene | ug/L | ND | 50 | 46.7 | 93 | 73-130 | |
| 1,3-Dichloropropane | ug/L | ND | 50 | 46.9 | 94 | 71-130 | |
| 1,4-Dichlorobenzene | ug/L | ND | 50 | 47.0 | 94 | 71-132 | |
| 2,2-Dichloropropane | ug/L | ND | 50 | 54.6 | 109 | 50-150 | |
| 2-Butanone (MEK) | ug/L | ND | 50 | 47.6 | 95 | 46-140 | |
| 2-Chlorotoluene | ug/L | ND | 50 | 48.5 | 97 | 74-131 | |
| 4-Chlorotoluene | ug/L | ND | 50 | 48.9 | 98 | 70-139 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 50 | 45.5 | 91 | 59-145 | |
| Acetone | ug/L | ND | 125 | 119 | 95 | 36-126 | CH |
| Allyl chloride | ug/L | ND | 50 | 50.3 | 101 | 50-148 | |
| Benzene | ug/L | ND | 50 | 52.5 | 105 | 70-133 | |

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

| MATRIX SPIKE SAMPLE: | | 842798 | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|
| Parameter | Units | 10136422001 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
| Bromobenzene | ug/L | ND | 50 | 47.8 | 96 | 72-129 | |
| Bromochloromethane | ug/L | ND | 50 | 49.9 | 100 | 69-137 | |
| Bromodichloromethane | ug/L | ND | 50 | 49.6 | 99 | 73-134 | |
| Bromoform | ug/L | ND | 50 | 45.1 | 90 | 56-144 | |
| Bromomethane | ug/L | ND | 50 | 54.0 | 108 | 30-150 | |
| Carbon tetrachloride | ug/L | ND | 50 | 54.2 | 108 | 55-150 | |
| Chlorobenzene | ug/L | ND | 50 | 45.9 | 92 | 71-132 | |
| Chloroethane | ug/L | ND | 50 | 54.7 | 109 | 50-150 | |
| Chloroform | ug/L | ND | 50 | 51.0 | 102 | 68-138 | |
| Chloromethane | ug/L | ND | 50 | 44.8 | 90 | 61-148 | |
| cis-1,2-Dichloroethene | ug/L | ND | 50 | 50.5 | 101 | 68-135 | |
| cis-1,3-Dichloropropene | ug/L | ND | 50 | 47.6 | 95 | 70-134 | |
| Dibromochloromethane | ug/L | ND | 50 | 46.1 | 92 | 67-135 | |
| Dibromomethane | ug/L | ND | 50 | 49.0 | 98 | 74-130 | |
| Dichlorodifluoromethane | ug/L | ND | 50 | 62.5 | 125 | 44-150 | |
| Dichlorofluoromethane | ug/L | ND | 50 | 54.5 | 109 | 67-145 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 50 | 51.6 | 103 | 69-132 | |
| Ethylbenzene | ug/L | ND | 50 | 49.0 | 98 | 66-133 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 25 | 24.2 | 97 | 59-150 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 50 | 49.4 | 99 | 71-140 | |
| m&p-Xylene | ug/L | ND | 100 | 97.6 | 98 | 63-130 | |
| Methyl-tert-butyl ether | ug/L | ND | 50 | 48.8 | 98 | 62-143 | |
| Methylene Chloride | ug/L | ND | 50 | 47.2 | 94 | 69-126 | |
| n-Butylbenzene | ug/L | ND | 50 | 51.3 | 103 | 73-140 | |
| n-Propylbenzene | ug/L | ND | 50 | 51.0 | 102 | 71-136 | |
| Naphthalene | ug/L | ND | 50 | 46.1 | 92 | 55-147 | |
| o-Xylene | ug/L | ND | 50 | 48.0 | 96 | 66-132 | |
| p-Isopropyltoluene | ug/L | ND | 50 | 50.2 | 100 | 69-138 | |
| sec-Butylbenzene | ug/L | ND | 50 | 51.2 | 102 | 73-140 | |
| Styrene | ug/L | ND | 50 | 48.2 | 96 | 68-138 | |
| tert-Butylbenzene | ug/L | ND | 50 | 48.4 | 97 | 70-138 | |
| Tetrachloroethene | ug/L | ND | 50 | 47.9 | 96 | 70-138 | |
| Tetrahydrofuran | ug/L | ND | 500 | 490 | 98 | 54-148 | |
| Toluene | ug/L | ND | 50 | 47.5 | 95 | 65-127 | |
| trans-1,2-Dichloroethene | ug/L | ND | 50 | 53.7 | 107 | 67-131 | |
| trans-1,3-Dichloropropene | ug/L | ND | 50 | 46.6 | 93 | 64-138 | |
| Trichloroethene | ug/L | ND | 50 | 49.2 | 98 | 70-133 | |
| Trichlorofluoromethane | ug/L | ND | 50 | 58.7 | 117 | 59-150 | |
| Vinyl chloride | ug/L | ND | 50 | 56.7 | 113 | 59-150 | |
| Xylene (Total) | ug/L | ND | 150 | 146 | 97 | 65-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 104 | 75-131 | |
| 4-Bromofluorobenzene (S) | % | | | | 98 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 103 | 75-130 | |
| Toluene-d8 (S) | % | | | | 98 | 75-125 | |

QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

SAMPLE DUPLICATE: 842799

| Parameter | Units | 10136422002 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 | 141 | 138 | 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 | |

Date: 08/26/2010 05:08 PM

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester

Pace Project No.: 10136159

SAMPLE DUPLICATE: 842799

| Parameter | Units | 10136422002 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 | 34.2 | 32.8 | 4 | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | 2.0 | 2.0 | .2 | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 112 | 118 | 5 | | |
| 4-Bromofluorobenzene (S) | % | 100 | 98 | 2 | | |
| Dibromofluoromethane (S) | % | 113 | 119 | 5 | | |
| Toluene-d8 (S) | % | 98 | 96 | 2 | | |

QUALIFIERS

Project: City of Rochester

Pace Project No.: 10136159

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.

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

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

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

ANALYTE QUALIFIERS

- | | |
|----|---|
| CH | The continuing calibration for this compound is outside of Pace Analytical acceptance limits. The results may be biased high. |
| L3 | Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias. |
| M1 | Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: City of Rochester

Pace Project No.: 10136159

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------|-----------------|-----------|-------------------|------------------|
| 10136159001 | MW-17 | EPA 8260 | MSV/15210 | | |
| 10136159002 | MW-18 | EPA 8260 | MSV/15182 | | |
| 10136159003 | DPE-1 | EPA 8260 | MSV/15182 | | |
| 10136159004 | DPE-2 | EPA 8260 | MSV/15187 | | |
| 10136159005 | DPE-3 | EPA 8260 | MSV/15187 | | |
| 10136159006 | DPE-4 | EPA 8260 | MSV/15187 | | |
| 10136159007 | DPE-5 | EPA 8260 | MSV/15210 | | |
| 10136159008 | DPE-6 | EPA 8260 | MSV/15187 | | |
| 10136159009 | DPE-7 | EPA 8260 | MSV/15187 | | |
| 10136159010 | DPE-8 | EPA 8260 | MSV/15187 | | |
| 10136159011 | MW-15 | EPA 8260 | MSV/15187 | | |
| 10136159012 | MW-16 | EPA 8260 | MSV/15210 | | |
| 10136159013 | MW-14 | EPA 8260 | MSV/15187 | | |
| 10136159014 | MW-19 | EPA 8260 | MSV/15187 | | |
| 10136159015 | MW-20 | EPA 8260 | MSV/15210 | | |
| 10136159016 | Trip Blank | EPA 8260 | MSV/15187 | | |



1123

CHAIN-OF-CUSTODY / Analytical Request Document

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

1013659

Section A
 Required Client Information:
 Company: Landmark Environmental
 Address: 2042 W. 98th Street
 Bloomington, MN 55431
 Email To: jskramstad@landmarkenv.com
 Phone: 952-887-9801, Fax: 952-887-9605
 ext 205

Section B
 Required Project Information:
 Report To: Jason Skramstad
 Copy To: Eric Gabrielson
 Purchase Order No.:
 Project Name: City of Rochester
 Requested Due Date/TAT: Normal

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

REGULATORY AGENCY
 NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
SITE GA IL IN MI NC
LOCATION OH SC WI OTHER

Page: 1 of 2

| ITEM # | Section D Required Client Information | | Valid Matrix Codes | | COLLECTED | | # OF CONTAINERS | PRESERVATIVES | | | | | | | Filtered (Y/N) | Requested Analysis | EPA 8260 VOCs | Pace Project Number Lab ID. |
|--------|---------------------------------------|------|--------------------|------|-----------|---------|-----------------|---------------|--------------------------------|------------------|-----|------|---|----------|----------------|--------------------|---------------|-----------------------------|
| | MATRIX | CODE | DATE | TIME | DATE | TIME | | UNPRESERVED | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | Na ₂ S ₂ O ₅ | Methanol | | | | |
| 1 | M | W | - | 1 | 7 | 8/18/10 | 15:59 | 3 | | | | | | | | | 001 | |
| 2 | M | W | - | 1 | 8 | 8/18/10 | 15:35 | 3 | | | | | | | | | 002 | |
| 3 | D | P | E | - | 1 | 8/18/10 | 18:00 | 3 | | | | | | | | | 003 | |
| 4 | D | P | E | - | 2 | 8/18/10 | 18:10 | 3 | | | | | | | | | 004 | |
| 5 | D | P | E | - | 3 | 8/18/10 | 18:20 | 3 | | | | | | | | | 005 | |
| 6 | D | P | E | - | 4 | 8/18/10 | 18:30 | 3 | | | | | | | | | 006 | |
| 7 | D | P | E | - | 5 | 8/18/10 | 18:40 | 3 | | | | | | | | | 007 | |
| 8 | D | P | E | - | 6 | 8/18/10 | 18:50 | 3 | | | | | | | | | 008 | |
| 5 | D | P | E | - | 7 | 8/18/10 | 19:00 | 3 | | | | | | | | | 009 | |
| 6 | D | P | E | - | 8 | 8/18/10 | 19:10 | 3 | | | | | | | | | 010 | |
| 7 | M | W | - | 1 | 5 | 8/18/10 | 14:59 | 3 | | | | | | | | | 011 | |
| 8 | M | W | - | 1 | 6 | 8/18/10 | 16:49 | 3 | | | | | | | | | 012 | |

Additional Comments:

RELINQUISHED BY / AFFILIATION: [Signature] DATE: 8/19/10 TIME: 15:23

ACCEPTED BY / AFFILIATION: [Signature] DATE: 8/19/10 TIME: 15:23

Temp in °C

Received on Ice

Custody Sealed Cooler

Samples Intact

SAMPLER NAME AND SIGNATURE: [Signature] DATE Signed (MM/DD/YY): 8/19/10



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

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

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

Section D Required Client Information

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

Samples IDs MUST BE UNIQUE

| | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| # | ITEM | 1 | M | W | - | 1 | 4 | 2 | M | W | - | 1 | 9 | 3 | M | W | - | 2 | 0 | 4 | 5 | 6 | 7 | 8 |
|---|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Valid Matrix Codes

| MATRIX | CODE |
|----------------|------|
| DRINKING WATER | DW |
| WASTE WATER | WW |
| PRODUCT | P |
| SUBSOIL | SL |
| WPE | WVP |
| AR | OT |
| OTHER | TS |
| TISSUE | |

COLLECTED

| MATRIX CODE | SAMPLE TYPE | G-RAB C-COMP | COMPOSITE START | | COMPOSITE END/GRAB | | DATE | TIME | DATE | TIME | SAMPLER TEMP AT COLLECTION | # OF CONTAINERS | PRESERVATIVES | | | | | | Other | | | | | | | | | | | |
|-------------|-------------|--------------|--------------------------------|------------------|--------------------|------|---------|-------|------|------|----------------------------|-----------------|---|----------|--|--|--|--|-------|--|--|--|--|--|--|--|--|--|--|--|
| | | | H ₂ SO ₄ | HNO ₃ | HCl | NaOH | | | | | | | Na ₂ S ₂ O ₃ | Methanol | | | | | | | | | | | | | | | | |
| W | G | | 8/18/10 | 14:40 | | | 8/18/10 | 14:40 | | | | 3 | | | | | | | | | | | | | | | | | | |
| W | G | | 8/18/10 | 14:00 | | | 8/18/10 | 14:00 | | | | 3 | | | | | | | | | | | | | | | | | | |
| W | G | | 8/18/10 | 16:20 | | | 8/18/10 | 16:20 | | | | 3 | | | | | | | | | | | | | | | | | | |

Requested Analysis

| | |
|--------------------|---|
| Filtered (Y/N) | |
| Requested Analysis | |
| EPA 8260 VOCs | X |
| | X |
| | X |

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER

UST RCRA OTHER

SITE GA IL IN MI VC

LOCATION OH SC WI OTHER

RELINQUISHED BY / AFFILIATION

| DATE | TIME | ACCEPTED BY / AFFILIATION | DATE | TIME | SAMPLE CONDITIONS |
|---------|-------|---------------------------|------|------|--|
| 8/19/10 | 15:23 | 5.3 | | | Received on Y/N Ice Y/N Custody Y/N Sealed Cooler Y/N Samples Intact Y/N |

SAMPLER NAME AND SIGNATURE

PRINT NAME OF SAMPLER: _____ DATE: 8/19/10

SIGNATURE OF SAMPLER: _____

Sample Condition Upon Receipt



Client Name: Landmark Environmental Project # 10136159

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

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

Optional
 Proj. Dir. 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 5.3

Biological Tissue Is Frozen: Yes No

Date and initials of person examining contents: 8/19/10 MSP

Temp should be above freezing to 6°C

Comments:

| | | |
|---|--|---|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers intact: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. TB not on the COC |
| -Includes date/time/ID/Analysis Matrix: | <u>WT</u> | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> HCl |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | Samp # |
| Exceptions: <u>VOA</u> , Coliform, TOC, Oil and Grease, WI-DRO (water) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | initial when completed <u>MSP</u> Lot # of added preservative |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 14. |
| Headpace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | <u>DB0510</u> | |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: C. [Signature]

Date: 8/20/10

August 05, 2010

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

RE: Project: CRC City of Rochester
Pace Project No.: 10134490

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 13

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CERTIFICATIONS

Project: CRC City of Rochester

Pace Project No.: 10134490

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nebraska Certification #: Pace

Nevada Certification #: MN_00064

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

Page 2 of 13

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SAMPLE SUMMARY

Project: CRC City of Rochester

Pace Project No.: 10134490

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|------------------|--------|----------------|----------------|
| 10134490001 | DPE-EXHAUST-0103 | Air | 07/26/10 15:31 | 07/27/10 12:43 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: CRC City of Rochester

Pace Project No.: 10134490

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|------------------|--------|----------|-------------------|
| 10134490001 | DPE-EXHAUST-0103 | TO-15 | DB1 | 61 |

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10134490

| Sample: DPE-EXHAUST-0103 | | Lab ID: 10134490001 | Collected: 07/26/10 15:31 | Received: 07/27/10 12:43 | Matrix: Air | | | | |
|-----------------------------|---------|--------------------------|---------------------------|--------------------------|-------------|----------------|------------|------|--|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual | |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | | |
| Acetone | 74.8 | ug/m3 | 34.6 | 72 | | 08/02/10 20:31 | 67-64-1 | | |
| Benzene | ND | ug/m3 | 46.8 | 72 | | 08/02/10 20:31 | 71-43-2 | | |
| Benzyl chloride | ND | ug/m3 | 1210 | 1152 | | 08/04/10 08:56 | 100-44-7 | | |
| Bromodichloromethane | ND | ug/m3 | 101 | 72 | | 08/02/10 20:31 | 75-27-4 | | |
| Bromoform | ND | ug/m3 | 151 | 72 | | 08/02/10 20:31 | 75-25-2 | | |
| Bromomethane | ND | ug/m3 | 56.9 | 72 | | 08/02/10 20:31 | 74-83-9 | | |
| 1,3-Butadiene | ND | ug/m3 | 32.4 | 72 | | 08/02/10 20:31 | 106-99-0 | | |
| 2-Butanone (MEK) | ND | ug/m3 | 43.2 | 72 | | 08/02/10 20:31 | 78-93-3 | | |
| Carbon disulfide | ND | ug/m3 | 45.4 | 72 | | 08/02/10 20:31 | 75-15-0 | | |
| Carbon tetrachloride | ND | ug/m3 | 93.6 | 72 | | 08/02/10 20:31 | 56-23-5 | | |
| Chlorobenzene | ND | ug/m3 | 67.7 | 72 | | 08/02/10 20:31 | 108-90-7 | | |
| Chloroethane | ND | ug/m3 | 38.9 | 72 | | 08/02/10 20:31 | 75-00-3 | | |
| Chloroform | ND | ug/m3 | 71.3 | 72 | | 08/02/10 20:31 | 67-66-3 | | |
| Chloromethane | ND | ug/m3 | 30.2 | 72 | | 08/02/10 20:31 | 74-87-3 | | |
| Cyclohexane | ND | ug/m3 | 49.0 | 72 | | 08/02/10 20:31 | 110-82-7 | | |
| Dibromochloromethane | ND | ug/m3 | 122 | 72 | | 08/02/10 20:31 | 124-48-1 | | |
| 1,2-Dibromoethane (EDB) | ND | ug/m3 | 115 | 72 | | 08/02/10 20:31 | 106-93-4 | | |
| 1,2-Dichlorobenzene | ND | ug/m3 | 86.4 | 72 | | 08/02/10 20:31 | 95-50-1 | | |
| 1,3-Dichlorobenzene | ND | ug/m3 | 86.4 | 72 | | 08/02/10 20:31 | 541-73-1 | | |
| 1,4-Dichlorobenzene | ND | ug/m3 | 86.4 | 72 | | 08/02/10 20:31 | 106-46-7 | | |
| Dichlorodifluoromethane | ND | ug/m3 | 72.0 | 72 | | 08/02/10 20:31 | 75-71-8 | | |
| 1,1-Dichloroethane | ND | ug/m3 | 59.0 | 72 | | 08/02/10 20:31 | 75-34-3 | | |
| 1,2-Dichloroethane | ND | ug/m3 | 59.0 | 72 | | 08/02/10 20:31 | 107-06-2 | | |
| 1,1-Dichloroethene | ND | ug/m3 | 58.3 | 72 | | 08/02/10 20:31 | 75-35-4 | | |
| cis-1,2-Dichloroethene | 272 | ug/m3 | 58.3 | 72 | | 08/02/10 20:31 | 156-59-2 | | |
| trans-1,2-Dichloroethene | ND | ug/m3 | 58.3 | 72 | | 08/02/10 20:31 | 156-60-5 | | |
| 1,2-Dichloropropane | ND | ug/m3 | 67.7 | 72 | | 08/02/10 20:31 | 78-87-5 | | |
| cis-1,3-Dichloropropene | ND | ug/m3 | 66.2 | 72 | | 08/02/10 20:31 | 10061-01-5 | | |
| trans-1,3-Dichloropropene | ND | ug/m3 | 66.2 | 72 | | 08/02/10 20:31 | 10061-02-6 | | |
| Dichlorotetrafluoroethane | ND | ug/m3 | 101 | 72 | | 08/02/10 20:31 | 76-14-2 | | |
| Ethanol | ND | ug/m3 | 2190 | 1152 | | 08/04/10 08:56 | 64-17-5 | | |
| Ethyl acetate | ND | ug/m3 | 52.6 | 72 | | 08/02/10 20:31 | 141-78-6 | | |
| Ethylbenzene | ND | ug/m3 | 63.4 | 72 | | 08/02/10 20:31 | 100-41-4 | | |
| 4-Ethyltoluene | ND | ug/m3 | 180 | 72 | | 08/02/10 20:31 | 622-96-8 | | |
| n-Heptane | ND | ug/m3 | 59.8 | 72 | | 08/02/10 20:31 | 142-82-5 | | |
| Hexachloro-1,3-butadiene | ND | ug/m3 | 158 | 72 | | 08/02/10 20:31 | 87-68-3 | | |
| n-Hexane | ND | ug/m3 | 51.8 | 72 | | 08/02/10 20:31 | 110-54-3 | | |
| 2-Hexanone | ND | ug/m3 | 59.8 | 72 | | 08/02/10 20:31 | 591-78-6 | | |
| Methylene Chloride | ND | ug/m3 | 51.1 | 72 | | 08/02/10 20:31 | 75-09-2 | | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/m3 | 59.8 | 72 | | 08/02/10 20:31 | 108-10-1 | | |
| Methyl-tert-butyl ether | ND | ug/m3 | 52.6 | 72 | | 08/02/10 20:31 | 1634-04-4 | | |
| Naphthalene | ND | ug/m3 | 194 | 72 | | 08/02/10 20:31 | 91-20-3 | | |
| 2-Propanol | ND | ug/m3 | 180 | 72 | | 08/02/10 20:31 | 67-63-0 | | |
| Propylene | ND | ug/m3 | 25.2 | 72 | | 08/02/10 20:31 | 115-07-1 | | |
| Styrene | ND | ug/m3 | 62.6 | 72 | | 08/02/10 20:31 | 100-42-5 | | |
| 1,1,2,2-Tetrachloroethane | ND | ug/m3 | 101 | 72 | | 08/02/10 20:31 | 79-34-5 | | |
| Tetrachloroethene | 489000 | ug/m3 | 1610 | 1152 | | 08/04/10 08:56 | 127-18-4 | E | |

Date: 08/05/2010 09:29 AM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: CRC City of Rochester

Pace Project No.: 10134490

| Sample: DPE-EXHAUST-0103 | | Lab ID: 10134490001 | Collected: 07/26/10 15:31 | Received: 07/27/10 12:43 | Matrix: Air | | | |
|---------------------------------|-------------|----------------------------|---------------------------|--------------------------|-------------|----------------|-----------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| TO15 MSV AIR | | Analytical Method: TO-15 | | | | | | |
| Tetrahydrofuran | 45.3 | ug/m3 | 43.2 | 72 | | 08/02/10 20:31 | 109-99-9 | SS |
| Toluene | ND | ug/m3 | 55.4 | 72 | | 08/02/10 20:31 | 108-88-3 | |
| 1,2,4-Trichlorobenzene | ND | ug/m3 | 71.3 | 72 | | 08/02/10 20:31 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/m3 | 79.2 | 72 | | 08/02/10 20:31 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/m3 | 79.2 | 72 | | 08/02/10 20:31 | 79-00-5 | |
| Trichloroethene | 101 | ug/m3 | 79.2 | 72 | | 08/02/10 20:31 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/m3 | 79.2 | 72 | | 08/02/10 20:31 | 75-69-4 | |
| 1,1,2-Trichlorotrifluoroethane | 3720 | ug/m3 | 1840 | 1152 | | 08/04/10 08:56 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/m3 | 180 | 72 | | 08/02/10 20:31 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/m3 | 180 | 72 | | 08/02/10 20:31 | 108-67-8 | |
| Vinyl acetate | ND | ug/m3 | 51.1 | 72 | | 08/02/10 20:31 | 108-05-4 | |
| Vinyl chloride | ND | ug/m3 | 37.4 | 72 | | 08/02/10 20:31 | 75-01-4 | |
| m&p-Xylene | ND | ug/m3 | 127 | 72 | | 08/02/10 20:31 | 1330-20-7 | |
| o-Xylene | ND | ug/m3 | 63.4 | 72 | | 08/02/10 20:31 | 95-47-6 | |

QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10134490

QC Batch: AIR/10631 Analysis Method: TO-15
QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
Associated Lab Samples: 10134490001

METHOD BLANK: 831934 Matrix: Air
Associated Lab Samples: 10134490001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | 1.1 | 08/02/10 19:04 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | 1.4 | 08/02/10 19:04 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | 1.1 | 08/02/10 19:04 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | 1.6 | 08/02/10 19:04 | |
| 1,1-Dichloroethane | ug/m3 | ND | 0.82 | 08/02/10 19:04 | |
| 1,1-Dichloroethene | ug/m3 | ND | 0.81 | 08/02/10 19:04 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | 0.99 | 08/02/10 19:04 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | 2.5 | 08/02/10 19:04 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | 1.6 | 08/02/10 19:04 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | 1.2 | 08/02/10 19:04 | |
| 1,2-Dichloroethane | ug/m3 | ND | 0.82 | 08/02/10 19:04 | |
| 1,2-Dichloropropane | ug/m3 | ND | 0.94 | 08/02/10 19:04 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | 2.5 | 08/02/10 19:04 | |
| 1,3-Butadiene | ug/m3 | ND | 0.45 | 08/02/10 19:04 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | 1.2 | 08/02/10 19:04 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | 1.2 | 08/02/10 19:04 | |
| 2-Butanone (MEK) | ug/m3 | ND | 0.60 | 08/02/10 19:04 | |
| 2-Hexanone | ug/m3 | ND | 0.83 | 08/02/10 19:04 | |
| 2-Propanol | ug/m3 | ND | 2.5 | 08/02/10 19:04 | |
| 4-Ethyltoluene | ug/m3 | ND | 2.5 | 08/02/10 19:04 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | ND | 0.83 | 08/02/10 19:04 | |
| Acetone | ug/m3 | ND | 0.48 | 08/02/10 19:04 | |
| Benzene | ug/m3 | ND | 0.65 | 08/02/10 19:04 | |
| Benzyl chloride | ug/m3 | ND | 1.0 | 08/03/10 19:10 | |
| Bromodichloromethane | ug/m3 | ND | 1.4 | 08/02/10 19:04 | |
| Bromoform | ug/m3 | ND | 2.1 | 08/02/10 19:04 | |
| Bromomethane | ug/m3 | ND | 0.79 | 08/02/10 19:04 | |
| Carbon disulfide | ug/m3 | ND | 0.63 | 08/02/10 19:04 | |
| Carbon tetrachloride | ug/m3 | ND | 1.3 | 08/02/10 19:04 | |
| Chlorobenzene | ug/m3 | ND | 0.94 | 08/02/10 19:04 | |
| Chloroethane | ug/m3 | ND | 0.54 | 08/02/10 19:04 | |
| Chloroform | ug/m3 | ND | 0.99 | 08/02/10 19:04 | |
| Chloromethane | ug/m3 | ND | 0.42 | 08/02/10 19:04 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 08/02/10 19:04 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 08/02/10 19:04 | |
| Cyclohexane | ug/m3 | ND | 0.68 | 08/02/10 19:04 | |
| Dibromochloromethane | ug/m3 | ND | 1.7 | 08/02/10 19:04 | |
| Dichlorodifluoromethane | ug/m3 | ND | 1.0 | 08/02/10 19:04 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | 1.4 | 08/02/10 19:04 | |
| Ethanol | ug/m3 | 2.2 | 1.9 | 08/03/10 19:10 | B- |
| Ethyl acetate | ug/m3 | ND | 0.73 | 08/02/10 19:04 | |
| Ethylbenzene | ug/m3 | ND | 0.88 | 08/02/10 19:04 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | 2.2 | 08/02/10 19:04 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10134490

METHOD BLANK: 831934 Matrix: Air

Associated Lab Samples: 10134490001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| m&p-Xylene | ug/m3 | ND | 1.8 | 08/02/10 19:04 | |
| Methyl-tert-butyl ether | ug/m3 | ND | 0.73 | 08/02/10 19:04 | |
| Methylene Chloride | ug/m3 | ND | 0.71 | 08/02/10 19:04 | |
| n-Heptane | ug/m3 | ND | 0.83 | 08/02/10 19:04 | |
| n-Hexane | ug/m3 | ND | 0.72 | 08/02/10 19:04 | |
| Naphthalene | ug/m3 | ND | 2.7 | 08/02/10 19:04 | |
| o-Xylene | ug/m3 | ND | 0.88 | 08/02/10 19:04 | |
| Propylene | ug/m3 | ND | 0.35 | 08/02/10 19:04 | |
| Styrene | ug/m3 | ND | 0.87 | 08/02/10 19:04 | |
| Tetrachloroethene | ug/m3 | ND | 1.4 | 08/02/10 19:04 | |
| Tetrahydrofuran | ug/m3 | ND | 0.60 | 08/02/10 19:04 | |
| Toluene | ug/m3 | ND | 0.77 | 08/02/10 19:04 | |
| trans-1,2-Dichloroethene | ug/m3 | ND | 0.81 | 08/02/10 19:04 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | 0.92 | 08/02/10 19:04 | |
| Trichloroethene | ug/m3 | ND | 1.1 | 08/02/10 19:04 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.1 | 08/02/10 19:04 | |
| Vinyl acetate | ug/m3 | ND | 0.71 | 08/02/10 19:04 | |
| Vinyl chloride | ug/m3 | ND | 0.52 | 08/02/10 19:04 | |

LABORATORY CONTROL SAMPLE: 831935

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1-Trichloroethane | ug/m3 | 55.5 | 45.5 | 82 | 75-135 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | 69.8 | 58.9 | 84 | 69-131 | |
| 1,1,2-Trichloroethane | ug/m3 | 55.5 | 46.3 | 83 | 64-127 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | 77.9 | 65.5 | 84 | 53-125 | |
| 1,1-Dichloroethane | ug/m3 | 41.2 | 37.1 | 90 | 60-125 | |
| 1,1-Dichloroethene | ug/m3 | 40.3 | 34.5 | 86 | 69-128 | |
| 1,2,4-Trichlorobenzene | ug/m3 | 75.5 | 67.3 | 89 | 30-150 | SS |
| 1,2,4-Trimethylbenzene | ug/m3 | 50 | 48.3 | 97 | 61-150 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | 78.1 | 66.1 | 85 | 68-136 | |
| 1,2-Dichlorobenzene | ug/m3 | 61.2 | 50.5 | 83 | 59-150 | |
| 1,2-Dichloroethane | ug/m3 | 41.2 | 34.1 | 83 | 66-127 | |
| 1,2-Dichloropropane | ug/m3 | 47 | 41.3 | 88 | 75-134 | |
| 1,3,5-Trimethylbenzene | ug/m3 | 50 | 39.1 | 78 | 71-150 | |
| 1,3-Butadiene | ug/m3 | 22.5 | 19.2 | 85 | 67-126 | |
| 1,3-Dichlorobenzene | ug/m3 | 61.2 | 60.4 | 99 | 58-147 | |
| 1,4-Dichlorobenzene | ug/m3 | 61.2 | 49.4 | 81 | 62-143 | |
| 2-Butanone (MEK) | ug/m3 | 30 | 29.2 | 97 | 52-139 | |
| 2-Hexanone | ug/m3 | 41.7 | 40.3 | 97 | 61-138 | |
| 2-Propanol | ug/m3 | 23.8 | 27.9 | 117 | 30-146 | |
| 4-Ethyltoluene | ug/m3 | 50 | 40.0 | 80 | 55-134 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 41.7 | 32.7 | 78 | 60-135 | |
| Acetone | ug/m3 | 24.2 | 22.6 | 94 | 61-135 | |
| Benzene | ug/m3 | 32.5 | 26.2 | 81 | 71-125 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester
Pace Project No.: 10134490

LABORATORY CONTROL SAMPLE: 831935

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzyl chloride | ug/m3 | 52.5 | 66.6 | 127 | 70-130 | |
| Bromodichloromethane | ug/m3 | 68.2 | 57.7 | 85 | 66-136 | |
| Bromoform | ug/m3 | 105 | 89.8 | 85 | 62-132 | |
| Bromomethane | ug/m3 | 39.5 | 36.5 | 92 | 69-125 | |
| Carbon disulfide | ug/m3 | 31.7 | 28.3 | 89 | 75-150 | |
| Carbon tetrachloride | ug/m3 | 64 | 51.1 | 80 | 60-145 | |
| Chlorobenzene | ug/m3 | 46.8 | 38.5 | 82 | 73-143 | |
| Chloroethane | ug/m3 | 26.8 | 24.8 | 92 | 71-128 | |
| Chloroform | ug/m3 | 49.7 | 42.1 | 85 | 73-137 | |
| Chloromethane | ug/m3 | 21 | 19.2 | 92 | 64-125 | |
| cis-1,2-Dichloroethene | ug/m3 | 40.3 | 35.2 | 87 | 67-131 | |
| cis-1,3-Dichloropropene | ug/m3 | 46.2 | 40.6 | 88 | 75-150 | |
| Cyclohexane | ug/m3 | 35 | 30.5 | 87 | 75-141 | |
| Dibromochloromethane | ug/m3 | 86.6 | 73.8 | 85 | 64-127 | |
| Dichlorodifluoromethane | ug/m3 | 50.3 | 40.2 | 80 | 69-124 | |
| Dichlorotetrafluoroethane | ug/m3 | 71.1 | 57.6 | 81 | 59-125 | |
| Ethanol | ug/m3 | 19.2 | 24.1 | 126 | 30-150 | |
| Ethyl acetate | ug/m3 | 36.6 | 33.7 | 92 | 75-150 | |
| Ethylbenzene | ug/m3 | 44.2 | 35.2 | 80 | 75-150 | |
| Hexachloro-1,3-butadiene | ug/m3 | 108 | 112 | 103 | 30-150 SS | |
| m&p-Xylene | ug/m3 | 88.3 | 85.0 | 96 | 68-138 | |
| Methyl-tert-butyl ether | ug/m3 | 36.7 | 33.9 | 92 | 75-134 | |
| Methylene Chloride | ug/m3 | 35.3 | 32.7 | 93 | 45-125 | |
| n-Heptane | ug/m3 | 41.7 | 32.7 | 79 | 65-125 | |
| n-Hexane | ug/m3 | 35.8 | 29.6 | 83 | 67-141 | |
| Naphthalene | ug/m3 | 53.3 | 49.0 | 92 | 30-150 SS | |
| o-Xylene | ug/m3 | 44.2 | 35.9 | 81 | 69-143 | |
| Propylene | ug/m3 | 17.5 | 14.6 | 83 | 65-140 | |
| Styrene | ug/m3 | 43.3 | 36.4 | 84 | 62-137 | |
| Tetrachloroethene | ug/m3 | 69 | 66.5 | 96 | 68-136 | |
| Tetrahydrofuran | ug/m3 | 30 | 19.6 | 65 | 51-125 SS | |
| Toluene | ug/m3 | 38.3 | 35.8 | 93 | 70-128 | |
| trans-1,2-Dichloroethene | ug/m3 | 40.3 | 36.8 | 91 | 69-131 | |
| trans-1,3-Dichloropropene | ug/m3 | 46.2 | 42.5 | 92 | 65-135 | |
| Trichloroethene | ug/m3 | 54.6 | 44.1 | 81 | 75-147 | |
| Trichlorofluoromethane | ug/m3 | 57.1 | 46.5 | 81 | 63-127 | |
| Vinyl acetate | ug/m3 | 35.8 | 32.9 | 92 | 68-136 | |
| Vinyl chloride | ug/m3 | 26 | 23.5 | 91 | 66-125 | |

SAMPLE DUPLICATE: 832848

| Parameter | Units | 10134525001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|--------------------------------|-------|--------------------|------------|-----|---------|------------|
| 1,1,1-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2,2-Tetrachloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,1,2-Trichlorotrifluoroethane | ug/m3 | ND | ND | | 30 | |
| 1,1-Dichloroethane | ug/m3 | ND | ND | | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10134490

SAMPLE DUPLICATE: 832848

| Parameter | Units | 10134525001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|-----------------------------|-------|-----------------------|---------------|-----|------------|------------|
| 1,1-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2,4-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dibromoethane (EDB) | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloroethane | ug/m3 | ND | ND | | 30 | |
| 1,2-Dichloropropane | ug/m3 | ND | ND | | 30 | |
| 1,3,5-Trimethylbenzene | ug/m3 | ND | ND | | 30 | |
| 1,3-Butadiene | ug/m3 | ND | ND | | 30 | |
| 1,3-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 1,4-Dichlorobenzene | ug/m3 | ND | ND | | 30 | |
| 2-Butanone (MEK) | ug/m3 | 23.7 | 23.1 | 2 | 30 | |
| 2-Hexanone | ug/m3 | 1.2 | 1.2 | | 30 | |
| 2-Propanol | ug/m3 | ND | ND | | 30 | |
| 4-Ethyltoluene | ug/m3 | ND | ND | | 30 | |
| 4-Methyl-2-pentanone (MIBK) | ug/m3 | 2.1 | 2.2 | 1 | 30 | |
| Acetone | ug/m3 | 70.5 | 69.4 | 2 | 30 | |
| Benzene | ug/m3 | 5.1 | 5.0 | 1 | 30 | |
| Bromodichloromethane | ug/m3 | ND | ND | | 30 | |
| Bromoform | ug/m3 | ND | ND | | 30 | |
| Bromomethane | ug/m3 | ND | ND | | 30 | |
| Carbon disulfide | ug/m3 | 6.5 | 6.5 | .8 | 30 | |
| Carbon tetrachloride | ug/m3 | ND | ND | | 30 | |
| Chlorobenzene | ug/m3 | ND | ND | | 30 | |
| Chloroethane | ug/m3 | ND | ND | | 30 | |
| Chloroform | ug/m3 | ND | ND | | 30 | |
| Chloromethane | ug/m3 | ND | ND | | 30 | |
| cis-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Cyclohexane | ug/m3 | 1.5 | 1.5 | .6 | 30 | |
| Dibromochloromethane | ug/m3 | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/m3 | 58.2 | 57.1 | 2 | 30 | |
| Dichlorotetrafluoroethane | ug/m3 | ND | ND | | 30 | |
| Ethyl acetate | ug/m3 | ND | ND | | 30 | |
| Ethylbenzene | ug/m3 | ND | 1J | | 30 | |
| Hexachloro-1,3-butadiene | ug/m3 | ND | ND | | 30 | |
| m&p-Xylene | ug/m3 | ND | 1.7J | | 30 | |
| Methyl-tert-butyl ether | ug/m3 | ND | ND | | 30 | |
| Methylene Chloride | ug/m3 | ND | ND | | 30 | |
| n-Heptane | ug/m3 | 2.2 | 2.1 | 4 | 30 | |
| n-Hexane | ug/m3 | 3.3 | 3.1 | 6 | 30 | |
| Naphthalene | ug/m3 | ND | 3.1J | | 30 | SS |
| o-Xylene | ug/m3 | ND | 1.1J | | 30 | |
| Propylene | ug/m3 | 62.6 | 61.0 | 3 | 30 | |
| Styrene | ug/m3 | ND | .88J | | 30 | |
| Tetrachloroethene | ug/m3 | ND | ND | | 30 | |
| Tetrahydrofuran | ug/m3 | ND | ND | | 30 | |
| Toluene | ug/m3 | 3.7 | 3.8 | 2 | 30 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: CRC City of Rochester

Pace Project No.: 10134490

SAMPLE DUPLICATE: 832848

| Parameter | Units | 10134525001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| trans-1,2-Dichloroethene | ug/m3 | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/m3 | ND | ND | | 30 | |
| Trichloroethene | ug/m3 | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/m3 | ND | 1.2J | | 30 | |
| Vinyl acetate | ug/m3 | ND | ND | | 30 | |
| Vinyl chloride | ug/m3 | ND | ND | | 30 | |

QUALIFIERS

Project: CRC City of Rochester

Pace Project No.: 10134490

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.

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

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

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

SAMPLE QUALIFIERS

Sample: 10134490001

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

[2] This result is reported from a serial dilution

ANALYTE QUALIFIERS

B- Analyte detected in method blank but was not detected in the associated samples.

E Analyte concentration exceeded the calibration range. The reported result is estimated.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CRC City of Rochester

Pace Project No.: 10134490

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|-------------|------------------|-----------------|-----------|-------------------|------------------|
| 10134490001 | DPE-EXHAUST-0103 | TO-15 | AIR/10631 | | |



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:

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

Section B
Required Project Information:

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

Section C
Invoice Information:

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

Page: 1 of 1

10134490

REGULATORY AGENCY

NPDES GROUND WATER DRINKING WATER
 UST RCRA OTHER
 SITE GA IL IN MI NC
 LOCATION OH SC WI OTHER

| ITEM # | Section D Required Client Information | Valid Matrix Codes | COLLECTED | | SAMPLE TEMP AT COLLECTION | # OF CONTAINERS | PRESERVATIVES | | | | | | | Filtered (Y/N) | Requested | Ant: | Pace Project Number Lab ID: |
|--------|---------------------------------------|--|-------------|-------------|---------------------------|-----------------|---------------|-------|------|------|------|------|------|----------------|-----------|------|-----------------------------|
| | | | MATRIX CODE | SAMPLE TYPE | | | DATE | TIME | DATE | TIME | DATE | TIME | DATE | | | | |
| 1 | D P E - E X H A U S T - 0 1 0 3 | MATRIX: DRINKING WATER, WASTE WATER, PRODUCT, OIL, LIQUID, WIFE, AIR, OTHER, TISSUE CODE: FW, WT, WW, P, OL, WP, AR, OT, TS | A | C | 7/26/10 | 11:29 | 7/26/10 | 15:31 | | | | | | | | | 10134490001 |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |

Additional Comments:

RELINQUISHED BY / AFFILIATION: *Matthew Pace* DATE: 7/26/10 TIME: 12:43

ACCEPTED BY / AFFILIATION: _____ DATE: _____ TIME: _____

SAMPLER NAME AND SIGNATURE: _____
 PRINT Name of SAMPLER: _____
 SIGNATURE of SAMPLER: _____
 DATE Signed (MM/DD/YYYY): _____

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

AIR Sample Condition Upon Receipt

Face Analytical

Client Name: LANDMARK Project # 10134490

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 _____

| |
|-----------------|
| Optional |
| Proj. Due Date: |
| Proj. Name: |

Tracking #: _____

Date and initials of person examining contents: 7-28-10 JK

Comments:

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

Samples Received: 1 CAN, 1 FC

| Canisters | | Flow Controllers | | Stand Alone G | | Tedlar Bags | |
|--------------------|-------------|------------------|--------------|---------------|--------|---------------|--------|
| Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID | Sample Number | Can ID |
| <u>DPE-EXHAUST</u> | <u>0103</u> | | <u>PA247</u> | | | | |
| | | | | | | | |
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| | | | | | | | |

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

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CTM Date: 7/28/10

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)

August 05, 2010

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

RE: Project: City of Rochester CRC
Pace Project No.: 10134429

Dear Mr. Skramstad:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 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@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: City of Rochester CRC

Pace Project No.: 10134429

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414

Alaska Certification #: UST-078

Alaska Certification #MN00064

Arizona Certification #: AZ-0014

Arkansas Certification #: 88-0680

California Certification #: 01155CA

EPA Region 8 Certification #: Pace

Florida/NELAP Certification #: E87605

Georgia Certification #: 959

Idaho Certification #: MN00064

Illinois Certification #: 200011

Iowa Certification #: 368

Kansas Certification #: E-10167

Louisiana Certification #: 03086

Louisiana Certification #: LA080009

Maine Certification #: 2007029

Maryland Certification #: 322

Michigan DEQ Certification #: 9909

Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace

Montana Certification #: MT CERT0092

Nevada Certification #: MN_00064

Nebraska Certification #: Pace

New Jersey Certification #: MN-002

New Mexico Certification #: Pace

New York Certification #: 11647

North Carolina Certification #: 530

North Dakota Certification #: R-036

North Dakota Certification #: R-036A

Ohio VAP Certification #: CL101

Oklahoma Certification #: D9921

Oklahoma Certification #: 9507

Oregon Certification #: MN200001

Pennsylvania Certification #: 68-00563

Puerto Rico Certification

Tennessee Certification #: 02818

Texas Certification #: T104704192

Washington Certification #: C754

Wisconsin Certification #: 999407970

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: City of Rochester CRC

Pace Project No.: 10134429

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|-------------|-------------|--------|----------------|----------------|
| 10134429001 | AS-Influent | Water | 07/26/10 12:00 | 07/27/10 12:43 |
| 10134429002 | AS-Effluent | Water | 07/26/10 12:05 | 07/27/10 12:43 |

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: City of Rochester CRC

Pace Project No.: 10134429

| Lab ID | Sample ID | Method | Analysts | Analytes Reported |
|-------------|-------------|---------|----------|-------------------|
| 10134429001 | AS-Influent | EPA 624 | DRE | 82 |
| 10134429002 | AS-Effluent | EPA 624 | DRE | 82 |

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: City of Rochester CRC
Pace Project No.: 10134429

Method: EPA 624
Description: 624 MSV
Client: Landmark Environmental
Date: August 05, 2010

General Information:

2 samples were analyzed for EPA 624. All samples were received in acceptable condition with any exceptions noted below.

L2: Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

- AS-Effluent (Lab ID: 10134429002)
- AS-Influent (Lab ID: 10134429001)

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):

All criteria were within method requirements with any exceptions noted below.

Continuing Calibration:

All criteria were within method requirements with any exceptions noted below.

QC Batch: MSV/15043

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

- LCS (Lab ID: 829846)
 - Acetone
 - Acrolein
- MS (Lab ID: 830216)
 - Acetone
 - Acrolein

Internal Standards:

All internal standards were within QC limits with any exceptions noted below.

Surrogates:

All surrogates were within QC limits with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

QC Batch: MSV/15043

L0: Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

- LCS (Lab ID: 829846)
 - Iodomethane

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

- LCS (Lab ID: 829846)
 - Acetone

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project: City of Rochester CRC

Pace Project No.: 10134429

Method: EPA 624

Description: 624 MSV

Client: Landmark Environmental

Date: August 05, 2010

QC Batch: MSV/15043

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

- Acrolein

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: MSV/15043

A matrix spike and matrix spike duplicate (MS/MSD) were performed on the following sample(s): 10134441032

M0: Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

- MS (Lab ID: 830216)
 - Acrolein

P5: The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.

- MS (Lab ID: 830216)
 - 2-Chloroethylvinyl ether

Duplicate Sample:

All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

Sample Comments:

Results were confirmed by re-analysis.

- AS-Influent (Lab ID: 10134429001)
- AS-Effluent (Lab ID: 10134429002)

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester CRC

Pace Project No.: 10134429

| Sample: AS-Influent | Lab ID: 10134429001 | Collected: 07/26/10 12:00 | Received: 07/27/10 12:43 | 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 | | 07/28/10 22:06 | 67-64-1 | L1 |
| Acrolein | ND ug/L | | 40.0 | 1 | | 07/28/10 22:06 | 107-02-8 | L1 |
| Acrylonitrile | ND ug/L | | 10.0 | 1 | | 07/28/10 22:06 | 107-13-1 | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 107-05-1 | |
| Benzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 71-43-2 | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 07/28/10 22:06 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 98-06-6 | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-15-0 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 07/28/10 22:06 | 110-75-8 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 74-87-3 | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 126-99-8 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 87-68-3 | |

Date: 08/05/2010 12:25 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester CRC

Pace Project No.: 10134429

| Sample: AS-Influent | | Lab ID: 10134429001 | Collected: 07/26/10 12:00 | Received: 07/27/10 12:43 | 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 | | 07/28/10 22:06 | 591-78-6 | | |
| Iodomethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 74-88-4 | L2 | |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 98-82-8 | | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 99-87-6 | | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 75-09-2 | | |
| 2-Methylnaphthalene | ND ug/L | | 5.0 | 1 | | 07/28/10 22:06 | 91-57-6 | | |
| 4-Methyl-2-pentanone (MIBK) | ND ug/L | | 5.0 | 1 | | 07/28/10 22:06 | 108-10-1 | | |
| Methyl-tert-butyl ether | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 1634-04-4 | | |
| Naphthalene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 91-20-3 | | |
| n-Propylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 103-65-1 | | |
| Styrene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 100-42-5 | | |
| 1,1,1,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 630-20-6 | | |
| 1,1,2,2-Tetrachloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 79-34-5 | | |
| Tetrachloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 127-18-4 | | |
| Tetrahydrofuran | ND ug/L | | 10.0 | 1 | | 07/28/10 22:06 | 109-99-9 | | |
| Toluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 108-88-3 | | |
| 1,2,3-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 87-61-6 | | |
| 1,2,4-Trichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 120-82-1 | | |
| 1,1,1-Trichloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 71-55-6 | | |
| 1,1,2-Trichloroethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 79-00-5 | | |
| Trichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 79-01-6 | | |
| Trichlorofluoromethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:06 | 75-69-4 | | |
| 1,2,3-Trichloropropane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 96-18-4 | | |
| 1,1,2-Trichlorotrifluoroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 76-13-1 | | |
| 1,2,4-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 95-63-6 | | |
| 1,3,5-Trimethylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 108-67-8 | | |
| Vinyl acetate | ND ug/L | | 20.0 | 1 | | 07/28/10 22:06 | 108-05-4 | | |
| Vinyl chloride | ND ug/L | | 0.40 | 1 | | 07/28/10 22:06 | 75-01-4 | | |
| Xylene (Total) | ND ug/L | | 3.0 | 1 | | 07/28/10 22:06 | 1330-20-7 | | |
| m&p-Xylene | ND ug/L | | 2.0 | 1 | | 07/28/10 22:06 | 1330-20-7 | | |
| o-Xylene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:06 | 95-47-6 | | |
| Dibromofluoromethane (S) | 110 % | | 75-125 | 1 | | 07/28/10 22:06 | 1868-53-7 | | |
| 4-Bromofluorobenzene (S) | 89 % | | 75-125 | 1 | | 07/28/10 22:06 | 460-00-4 | | |
| Toluene-d8 (S) | 90 % | | 75-125 | 1 | | 07/28/10 22:06 | 2037-26-5 | | |
| 1,2-Dichloroethane-d4 (S) | 109 % | | 75-125 | 1 | | 07/28/10 22:06 | 17060-07-0 | | |

| Sample: AS-Effluent | | Lab ID: 10134429002 | Collected: 07/26/10 12:05 | Received: 07/27/10 12:43 | 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 | | 07/28/10 22:29 | 67-64-1 | L1 | |
| Acrolein | ND ug/L | | 40.0 | 1 | | 07/28/10 22:29 | 107-02-8 | L1 | |
| Acrylonitrile | ND ug/L | | 10.0 | 1 | | 07/28/10 22:29 | 107-13-1 | | |
| Allyl chloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 107-05-1 | | |
| Benzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 71-43-2 | | |

Date: 08/05/2010 12:25 PM

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: City of Rochester CRC

Pace Project No.: 10134429

| Sample: AS-Effluent | Lab ID: 10134429002 | Collected: 07/26/10 12:05 | Received: 07/27/10 12:43 | Matrix: Water | | | | |
|-----------------------------|---------------------|----------------------------|--------------------------|---------------|----------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| Bromobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 108-86-1 | |
| Bromochloromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 74-97-5 | |
| Bromodichloromethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 75-27-4 | |
| Bromoform | ND ug/L | | 8.0 | 1 | | 07/28/10 22:29 | 75-25-2 | |
| Bromomethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 74-83-9 | |
| 2-Butanone (MEK) | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 78-93-3 | |
| n-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 104-51-8 | |
| sec-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 135-98-8 | |
| tert-Butylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 98-06-6 | |
| Carbon disulfide | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-15-0 | |
| Carbon tetrachloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 56-23-5 | |
| Chlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 108-90-7 | |
| Chloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-00-3 | |
| 2-Chloroethylvinyl ether | ND ug/L | | 10.0 | 1 | | 07/28/10 22:29 | 110-75-8 | |
| Chloroform | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 67-66-3 | |
| Chloromethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 74-87-3 | |
| Chloroprene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 126-99-8 | |
| 2-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 95-49-8 | |
| 4-Chlorotoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 106-43-4 | |
| 1,2-Dibromo-3-chloropropane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 96-12-8 | |
| Dibromochloromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 124-48-1 | |
| 1,2-Dibromoethane (EDB) | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 106-93-4 | |
| Dibromomethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 74-95-3 | |
| 1,2-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 95-50-1 | |
| 1,3-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 541-73-1 | |
| 1,4-Dichlorobenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 106-46-7 | |
| Dichlorodifluoromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-71-8 | |
| 1,1-Dichloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-34-3 | |
| 1,2-Dichloroethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 107-06-2 | |
| 1,1-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-35-4 | |
| cis-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 156-59-2 | |
| trans-1,2-Dichloroethene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 156-60-5 | |
| Dichlorofluoromethane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 75-43-4 | |
| 1,2-Dichloropropane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 78-87-5 | |
| 1,3-Dichloropropane | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 142-28-9 | |
| 2,2-Dichloropropane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 594-20-7 | |
| 1,1-Dichloropropene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 563-58-6 | |
| cis-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 10061-01-5 | |
| trans-1,3-Dichloropropene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 10061-02-6 | |
| Diethyl ether (Ethyl ether) | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 60-29-7 | |
| Ethylbenzene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 100-41-4 | |
| Hexachloro-1,3-butadiene | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 87-68-3 | |
| 2-Hexanone | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 591-78-6 | |
| Iodomethane | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 74-88-4 | L2 |
| Isopropylbenzene (Cumene) | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 98-82-8 | |
| p-Isopropyltoluene | ND ug/L | | 1.0 | 1 | | 07/28/10 22:29 | 99-87-6 | |
| Methylene Chloride | ND ug/L | | 4.0 | 1 | | 07/28/10 22:29 | 75-09-2 | |

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ANALYTICAL RESULTS

Project: City of Rochester CRC

Pace Project No.: 10134429

| Sample: AS-Effluent | | Lab ID: 10134429002 | Collected: 07/26/10 12:05 | Received: 07/27/10 12:43 | Matrix: Water | | | |
|--------------------------------|-------------|----------------------------|---------------------------|--------------------------|---------------|----------------|------------|------|
| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
| 624 MSV | | Analytical Method: EPA 624 | | | | | | |
| 2-Methylnaphthalene | ND | ug/L | 5.0 | 1 | | 07/28/10 22:29 | 91-57-6 | |
| 4-Methyl-2-pentanone (MIBK) | ND | ug/L | 5.0 | 1 | | 07/28/10 22:29 | 108-10-1 | |
| Methyl-tert-butyl ether | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 1634-04-4 | |
| Naphthalene | ND | ug/L | 4.0 | 1 | | 07/28/10 22:29 | 91-20-3 | |
| n-Propylbenzene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 103-65-1 | |
| Styrene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 100-42-5 | |
| 1,1,1,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 630-20-6 | |
| 1,1,2,2-Tetrachloroethane | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 79-34-5 | |
| Tetrachloroethene | 40.6 | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 127-18-4 | |
| Tetrahydrofuran | ND | ug/L | 10.0 | 1 | | 07/28/10 22:29 | 109-99-9 | |
| Toluene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 108-88-3 | |
| 1,2,3-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 87-61-6 | |
| 1,2,4-Trichlorobenzene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 120-82-1 | |
| 1,1,1-Trichloroethane | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 71-55-6 | |
| 1,1,2-Trichloroethane | ND | ug/L | 4.0 | 1 | | 07/28/10 22:29 | 79-00-5 | |
| Trichloroethene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 79-01-6 | |
| Trichlorofluoromethane | ND | ug/L | 4.0 | 1 | | 07/28/10 22:29 | 75-69-4 | |
| 1,2,3-Trichloropropane | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 96-18-4 | |
| 1,1,2-Trichlorotrifluoroethane | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 76-13-1 | |
| 1,2,4-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 95-63-6 | |
| 1,3,5-Trimethylbenzene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 108-67-8 | |
| Vinyl acetate | ND | ug/L | 20.0 | 1 | | 07/28/10 22:29 | 108-05-4 | |
| Vinyl chloride | ND | ug/L | 0.40 | 1 | | 07/28/10 22:29 | 75-01-4 | |
| Xylene (Total) | ND | ug/L | 3.0 | 1 | | 07/28/10 22:29 | 1330-20-7 | |
| m&p-Xylene | ND | ug/L | 2.0 | 1 | | 07/28/10 22:29 | 1330-20-7 | |
| o-Xylene | ND | ug/L | 1.0 | 1 | | 07/28/10 22:29 | 95-47-6 | |
| Dibromofluoromethane (S) | 113 | % | 75-125 | 1 | | 07/28/10 22:29 | 1868-53-7 | |
| 4-Bromofluorobenzene (S) | 93 | % | 75-125 | 1 | | 07/28/10 22:29 | 460-00-4 | |
| Toluene-d8 (S) | 87 | % | 75-125 | 1 | | 07/28/10 22:29 | 2037-26-5 | |
| 1,2-Dichloroethane-d4 (S) | 114 | % | 75-125 | 1 | | 07/28/10 22:29 | 17060-07-0 | |

QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

QC Batch: MSV/15043 Analysis Method: EPA 624
 QC Batch Method: EPA 624 Analysis Description: 624 MSV
 Associated Lab Samples: 10134429001, 10134429002

METHOD BLANK: 829845 Matrix: Water

Associated Lab Samples: 10134429001, 10134429002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|--------------------------------|-------|--------------|-----------------|----------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1,1-Trichloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1,2-Trichloroethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1-Dichloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1-Dichloroethene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,1-Dichloropropene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2,3-Trichloropropane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2-Dichlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2-Dichloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,2-Dichloropropane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,3-Dichlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,3-Dichloropropane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 1,4-Dichlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 2,2-Dichloropropane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| 2-Butanone (MEK) | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| 2-Chloroethylvinyl ether | ug/L | ND | 10.0 | 07/28/10 15:41 | |
| 2-Chlorotoluene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 2-Hexanone | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| 2-Methylnaphthalene | ug/L | ND | 5.0 | 07/28/10 15:41 | |
| 4-Chlorotoluene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 5.0 | 07/28/10 15:41 | |
| Acetone | ug/L | ND | 10.0 | 07/28/10 15:41 | |
| Acrolein | ug/L | ND | 40.0 | 07/28/10 15:41 | |
| Acrylonitrile | ug/L | ND | 10.0 | 07/28/10 15:41 | |
| Allyl chloride | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Benzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Bromobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Bromochloromethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Bromodichloromethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Bromoform | ug/L | ND | 8.0 | 07/28/10 15:41 | |
| Bromomethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Carbon disulfide | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Carbon tetrachloride | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Chlorobenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Chloroethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

METHOD BLANK: 829845

Matrix: Water

Associated Lab Samples: 10134429001, 10134429002

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|-----------------------------|-------|--------------|-----------------|----------------|------------|
| Chloroform | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Chloromethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Chloroprene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| cis-1,2-Dichloroethene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| cis-1,3-Dichloropropene | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Dibromochloromethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Dibromomethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Dichlorodifluoromethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Dichlorofluoromethane | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Ethylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Hexachloro-1,3-butadiene | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Iodomethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Isopropylbenzene (Cumene) | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| m&p-Xylene | ug/L | ND | 2.0 | 07/28/10 15:41 | |
| Methyl-tert-butyl ether | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Methylene Chloride | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| n-Butylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| n-Propylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Naphthalene | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| o-Xylene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| p-Isopropyltoluene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| sec-Butylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Styrene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| tert-Butylbenzene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Tetrachloroethene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Tetrahydrofuran | ug/L | ND | 10.0 | 07/28/10 15:41 | |
| Toluene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| trans-1,2-Dichloroethene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| trans-1,3-Dichloropropene | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Trichloroethene | ug/L | ND | 1.0 | 07/28/10 15:41 | |
| Trichlorofluoromethane | ug/L | ND | 4.0 | 07/28/10 15:41 | |
| Vinyl acetate | ug/L | ND | 20.0 | 07/28/10 15:41 | |
| Vinyl chloride | ug/L | ND | 0.40 | 07/28/10 15:41 | |
| Xylene (Total) | ug/L | ND | 3.0 | 07/28/10 15:41 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 75-125 | 07/28/10 15:41 | |
| 4-Bromofluorobenzene (S) | % | 97 | 75-125 | 07/28/10 15:41 | |
| Dibromofluoromethane (S) | % | 115 | 75-125 | 07/28/10 15:41 | |
| Toluene-d8 (S) | % | 95 | 75-125 | 07/28/10 15:41 | |

LABORATORY CONTROL SAMPLE: 829846

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | 50 | 46.4 | 93 | 75-129 | |
| 1,1,1-Trichloroethane | ug/L | 50 | 48.7 | 97 | 73-144 | |

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

LABORATORY CONTROL SAMPLE: 829846

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|-------------|------------|-----------|--------------|------------|
| 1,1,2,2-Tetrachloroethane | ug/L | 50 | 42.8 | 86 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | 50 | 45.6 | 91 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | 50 | 52.9 | 106 | 75-143 | |
| 1,1-Dichloroethane | ug/L | 50 | 44.7 | 89 | 75-135 | |
| 1,1-Dichloroethene | ug/L | 50 | 49.2 | 98 | 75-133 | |
| 1,1-Dichloropropene | ug/L | 50 | 44.9 | 90 | 75-131 | |
| 1,2,3-Trichlorobenzene | ug/L | 50 | 47.3 | 95 | 73-141 | |
| 1,2,3-Trichloropropane | ug/L | 50 | 47.1 | 94 | 75-126 | |
| 1,2,4-Trichlorobenzene | ug/L | 50 | 48.2 | 96 | 70-148 | |
| 1,2,4-Trimethylbenzene | ug/L | 50 | 48.4 | 97 | 75-141 | |
| 1,2-Dibromo-3-chloropropane | ug/L | 50 | 45.7 | 91 | 64-135 | |
| 1,2-Dibromoethane (EDB) | ug/L | 50 | 48.3 | 97 | 75-125 | |
| 1,2-Dichlorobenzene | ug/L | 50 | 46.7 | 93 | 75-125 | |
| 1,2-Dichloroethane | ug/L | 50 | 47.2 | 94 | 75-136 | |
| 1,2-Dichloropropane | ug/L | 50 | 46.1 | 92 | 75-130 | |
| 1,3,5-Trimethylbenzene | ug/L | 50 | 48.0 | 96 | 75-141 | |
| 1,3-Dichlorobenzene | ug/L | 50 | 47.4 | 95 | 75-125 | |
| 1,3-Dichloropropane | ug/L | 50 | 48.7 | 97 | 75-125 | |
| 1,4-Dichlorobenzene | ug/L | 50 | 45.9 | 92 | 75-125 | |
| 2,2-Dichloropropane | ug/L | 50 | 47.0 | 94 | 50-150 | |
| 2-Butanone (MEK) | ug/L | 50 | 57.0 | 114 | 58-138 | |
| 2-Chloroethylvinyl ether | ug/L | 125 | 118 | 94 | 50-150 | |
| 2-Chlorotoluene | ug/L | 50 | 46.5 | 93 | 75-132 | |
| 2-Hexanone | ug/L | 50 | 54.3 | 109 | 65-135 | |
| 2-Methylnaphthalene | ug/L | 50 | 52.9 | 106 | 62-150 | |
| 4-Chlorotoluene | ug/L | 50 | 47.1 | 94 | 75-135 | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | 50 | 43.9 | 88 | 69-137 | |
| Acetone | ug/L | 125 | 184 | 147 | 52-141 | CH,L3 |
| Acrolein | ug/L | 500 | 1550 | 309 | 50-150 | CH,L3 |
| Acrylonitrile | ug/L | 500 | 457 | 91 | 75-130 | |
| Allyl chloride | ug/L | 50 | 46.8 | 94 | 68-150 | |
| Benzene | ug/L | 50 | 45.4 | 91 | 75-125 | |
| Bromobenzene | ug/L | 50 | 47.3 | 95 | 75-125 | |
| Bromochloromethane | ug/L | 50 | 48.8 | 98 | 75-129 | |
| Bromodichloromethane | ug/L | 50 | 47.5 | 95 | 75-142 | |
| Bromoform | ug/L | 100 | 97.2 | 97 | 66-135 | |
| Bromomethane | ug/L | 50 | 52.7 | 105 | 57-150 | |
| Carbon disulfide | ug/L | 50 | 41.6 | 83 | 65-132 | |
| Carbon tetrachloride | ug/L | 50 | 47.4 | 95 | 75-148 | |
| Chlorobenzene | ug/L | 50 | 47.6 | 95 | 75-125 | |
| Chloroethane | ug/L | 50 | 49.6 | 99 | 66-142 | |
| Chloroform | ug/L | 50 | 48.0 | 96 | 75-131 | |
| Chloromethane | ug/L | 50 | 45.5 | 91 | 52-147 | |
| Chloroprene | ug/L | 50 | 45.4 | 91 | 71-147 | |
| cis-1,2-Dichloroethene | ug/L | 50 | 47.0 | 94 | 75-126 | |
| cis-1,3-Dichloropropene | ug/L | 50 | 47.7 | 95 | 69-150 | |
| Dibromochloromethane | ug/L | 50 | 46.2 | 92 | 73-138 | |
| Dibromomethane | ug/L | 50 | 44.9 | 90 | 75-127 | |

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

LABORATORY CONTROL SAMPLE: 829846

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------------------------|-------|-------------|------------|-----------|--------------|------------|
| Dichlorodifluoromethane | ug/L | 50 | 53.5 | 107 | 50-150 | |
| Dichlorofluoromethane | ug/L | 50 | 48.9 | 98 | 75-129 | |
| Diethyl ether (Ethyl ether) | ug/L | 50 | 45.8 | 92 | 75-126 | |
| Ethylbenzene | ug/L | 50 | 47.4 | 95 | 75-132 | |
| Hexachloro-1,3-butadiene | ug/L | 50 | 44.2 | 88 | 75-129 | |
| Iodomethane | ug/L | 50 | 35.5 | 71 | 73-150 | L0 |
| Isopropylbenzene (Cumene) | ug/L | 50 | 49.3 | 99 | 75-142 | |
| m&p-Xylene | ug/L | 100 | 98.9 | 99 | 75-131 | |
| Methyl-tert-butyl ether | ug/L | 50 | 46.4 | 93 | 75-130 | |
| Methylene Chloride | ug/L | 50 | 49.9 | 100 | 71-125 | |
| n-Butylbenzene | ug/L | 50 | 46.9 | 94 | 70-148 | |
| n-Propylbenzene | ug/L | 50 | 46.4 | 93 | 75-136 | |
| Naphthalene | ug/L | 50 | 43.8 | 88 | 69-145 | |
| o-Xylene | ug/L | 50 | 50.4 | 101 | 75-129 | |
| p-Isopropyltoluene | ug/L | 50 | 45.8 | 92 | 75-132 | |
| sec-Butylbenzene | ug/L | 50 | 48.2 | 96 | 75-136 | |
| Styrene | ug/L | 50 | 49.3 | 99 | 75-125 | |
| tert-Butylbenzene | ug/L | 50 | 48.5 | 97 | 75-135 | |
| Tetrachloroethene | ug/L | 50 | 47.4 | 95 | 75-125 | |
| Tetrahydrofuran | ug/L | 500 | 497 | 99 | 63-144 | |
| Toluene | ug/L | 50 | 45.5 | 91 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | 50 | 46.4 | 93 | 72-135 | |
| trans-1,3-Dichloropropene | ug/L | 50 | 48.4 | 97 | 62-150 | |
| Trichloroethene | ug/L | 50 | 49.2 | 98 | 75-125 | |
| Trichlorofluoromethane | ug/L | 50 | 51.5 | 103 | 67-150 | |
| Vinyl acetate | ug/L | 50 | 44.3 | 89 | 55-150 | |
| Vinyl chloride | ug/L | 50 | 50.5 | 101 | 63-147 | |
| Xylene (Total) | ug/L | 150 | 149 | 100 | 75-130 | |
| 1,2-Dichloroethane-d4 (S) | % | | | 94 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | 93 | 75-125 | |
| Dibromofluoromethane (S) | % | | | 98 | 75-125 | |
| Toluene-d8 (S) | % | | | 96 | 75-125 | |

MATRIX SPIKE SAMPLE: 830216

| Parameter | Units | 10134441032 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|--------------------------------|-------|--------------------|-------------|-----------|----------|--------------|------------|
| 1,1,1,2-Tetrachloroethane | ug/L | ND | 20 | 19.9 | 100 | 70-136 | |
| 1,1,1-Trichloroethane | ug/L | ND | 20 | 21.8 | 109 | 68-150 | |
| 1,1,2,2-Tetrachloroethane | ug/L | ND | 20 | 16.7 | 84 | 75-125 | |
| 1,1,2-Trichloroethane | ug/L | ND | 20 | 18.6 | 93 | 75-125 | |
| 1,1,2-Trichlorotrifluoroethane | ug/L | ND | 20 | 24.7 | 123 | 75-150 | |
| 1,1-Dichloroethane | ug/L | ND | 20 | 19.1 | 96 | 67-143 | |
| 1,1-Dichloroethene | ug/L | ND | 20 | 22.2 | 111 | 75-147 | |
| 1,1-Dichloropropene | ug/L | ND | 20 | 20.3 | 101 | 75-141 | |
| 1,2,3-Trichlorobenzene | ug/L | ND | 20 | 20.7 | 103 | 71-141 | |
| 1,2,3-Trichloropropane | ug/L | ND | 20 | 19.0 | 95 | 75-128 | |
| 1,2,4-Trichlorobenzene | ug/L | ND | 20 | 19.3 | 97 | 61-148 | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

| MATRIX SPIKE SAMPLE: | | 830216 | | | | | | |
|-----------------------------|-------|-----------------------|----------------|--------------|-------------|-----------------|------------|--|
| Parameter | Units | 10134441032 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers | |
| 1,2,4-Trimethylbenzene | ug/L | ND | 20 | 20.9 | 104 | 65-145 | | |
| 1,2-Dibromo-3-chloropropane | ug/L | ND | 20 | 20.4 | 102 | 64-135 | | |
| 1,2-Dibromoethane (EDB) | ug/L | ND | 20 | 19.6 | 98 | 75-126 | | |
| 1,2-Dichlorobenzene | ug/L | ND | 20 | 21.0 | 105 | 75-127 | | |
| 1,2-Dichloroethane | ug/L | ND | 20 | 20.0 | 100 | 70-138 | | |
| 1,2-Dichloropropane | ug/L | ND | 20 | 20.1 | 101 | 75-130 | | |
| 1,3,5-Trimethylbenzene | ug/L | ND | 20 | 20.2 | 101 | 61-150 | | |
| 1,3-Dichlorobenzene | ug/L | ND | 20 | 20.2 | 101 | 75-126 | | |
| 1,3-Dichloropropane | ug/L | ND | 20 | 19.4 | 97 | 75-125 | | |
| 1,4-Dichlorobenzene | ug/L | ND | 20 | 21.0 | 105 | 75-125 | | |
| 2,2-Dichloropropane | ug/L | ND | 20 | 21.3 | 106 | 50-150 | | |
| 2-Butanone (MEK) | ug/L | ND | 20 | 16.6 | 83 | 50-141 | | |
| 2-Chloroethylvinyl ether | ug/L | ND | 50 | 8.1J | 16 | 50-150 | P5 | |
| 2-Chlorotoluene | ug/L | ND | 20 | 20.2 | 101 | 75-137 | | |
| 2-Hexanone | ug/L | ND | 20 | 15.4 | 77 | 66-135 | | |
| 2-Methylnaphthalene | ug/L | ND | 20 | 26.7 | 134 | 62-150 | | |
| 4-Chlorotoluene | ug/L | ND | 20 | 20.5 | 102 | 70-144 | | |
| 4-Methyl-2-pentanone (MIBK) | ug/L | ND | 20 | 16.7 | 84 | 62-142 | | |
| Acetone | ug/L | ND | 50 | 41.5 | 83 | 50-150 | CH | |
| Acrolein | ug/L | ND | 200 | 1010 | 507 | 50-150 | CH,M0 | |
| Acrylonitrile | ug/L | ND | 200 | 192 | 96 | 70-135 | | |
| Allyl chloride | ug/L | ND | 20 | 22.7 | 113 | 50-150 | | |
| Benzene | ug/L | ND | 20 | 19.8 | 99 | 75-125 | | |
| Bromobenzene | ug/L | ND | 20 | 20.0 | 100 | 75-125 | | |
| Bromochloromethane | ug/L | ND | 20 | 19.4 | 97 | 73-137 | | |
| Bromodichloromethane | ug/L | ND | 20 | 20.0 | 100 | 70-142 | | |
| Bromoform | ug/L | ND | 40 | 38.9 | 97 | 55-135 | | |
| Bromomethane | ug/L | ND | 20 | 22.1 | 110 | 50-150 | | |
| Carbon disulfide | ug/L | ND | 20 | 20.4 | 102 | 50-150 | | |
| Carbon tetrachloride | ug/L | ND | 20 | 21.5 | 108 | 64-150 | | |
| Chlorobenzene | ug/L | ND | 20 | 20.4 | 102 | 75-125 | | |
| Chloroethane | ug/L | ND | 20 | 23.0 | 115 | 59-150 | | |
| Chloroform | ug/L | ND | 20 | 21.1 | 106 | 75-132 | | |
| Chloromethane | ug/L | ND | 20 | 19.6 | 98 | 52-150 | | |
| Chloroprene | ug/L | ND | 20 | 19.9 | 99 | 54-150 | | |
| cis-1,2-Dichloroethene | ug/L | ND | 20 | 21.4 | 107 | 64-144 | | |
| cis-1,3-Dichloropropene | ug/L | ND | 20 | 19.8 | 99 | 56-150 | | |
| Dibromochloromethane | ug/L | ND | 20 | 19.3 | 96 | 60-138 | | |
| Dibromomethane | ug/L | ND | 20 | 19.4 | 97 | 75-127 | | |
| Dichlorodifluoromethane | ug/L | ND | 20 | 24.8 | 124 | 50-150 | | |
| Dichlorofluoromethane | ug/L | ND | 20 | 22.1 | 110 | 74-142 | | |
| Diethyl ether (Ethyl ether) | ug/L | ND | 20 | 21.3 | 106 | 75-127 | | |
| Ethylbenzene | ug/L | ND | 20 | 20.1 | 101 | 75-134 | | |
| Hexachloro-1,3-butadiene | ug/L | ND | 20 | 24.4 | 122 | 63-150 | | |
| Iodomethane | ug/L | ND | 20 | 14.7 | 74 | 50-150 | | |
| Isopropylbenzene (Cumene) | ug/L | ND | 20 | 21.3 | 106 | 69-147 | | |
| m&p-Xylene | ug/L | ND | 40 | 43.6 | 109 | 75-133 | | |
| Methyl-tert-butyl ether | ug/L | ND | 20 | 19.7 | 98 | 73-131 | | |

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

| MATRIX SPIKE SAMPLE: 830216 | | 10134441032 | Spike | MS | MS | % Rec | |
|-----------------------------|-------|-------------|-------|--------|-------|--------|------------|
| Parameter | Units | Result | Conc. | Result | % Rec | Limits | Qualifiers |
| Methylene Chloride | ug/L | ND | 20 | 21.5 | 108 | 68-126 | |
| n-Butylbenzene | ug/L | ND | 20 | 20.9 | 104 | 59-150 | |
| n-Propylbenzene | ug/L | ND | 20 | 20.6 | 103 | 72-143 | |
| Naphthalene | ug/L | ND | 20 | 17.7 | 88 | 57-148 | |
| o-Xylene | ug/L | ND | 20 | 20.4 | 102 | 75-131 | |
| p-Isopropyltoluene | ug/L | ND | 20 | 19.3 | 97 | 75-137 | |
| sec-Butylbenzene | ug/L | ND | 20 | 21.4 | 107 | 75-144 | |
| Styrene | ug/L | ND | 20 | 20.9 | 104 | 75-134 | |
| tert-Butylbenzene | ug/L | ND | 20 | 20.5 | 103 | 68-150 | |
| Tetrachloroethene | ug/L | ND | 20 | 21.3 | 107 | 75-130 | |
| Tetrahydrofuran | ug/L | ND | 200 | 183 | 91 | 60-148 | |
| Toluene | ug/L | ND | 20 | 19.6 | 98 | 75-125 | |
| trans-1,2-Dichloroethene | ug/L | ND | 20 | 21.2 | 106 | 75-145 | |
| trans-1,3-Dichloropropene | ug/L | ND | 20 | 19.8 | 99 | 50-150 | |
| Trichloroethene | ug/L | ND | 20 | 21.9 | 109 | 73-132 | |
| Trichlorofluoromethane | ug/L | ND | 20 | 23.0 | 115 | 67-150 | |
| Vinyl acetate | ug/L | ND | 20 | 19J | 95 | 50-150 | |
| Vinyl chloride | ug/L | ND | 20 | 21.8 | 109 | 63-150 | |
| Xylene (Total) | ug/L | ND | 60 | 63.9 | 107 | 72-138 | |
| 1,2-Dichloroethane-d4 (S) | % | | | | 93 | 75-125 | |
| 4-Bromofluorobenzene (S) | % | | | | 92 | 75-125 | |
| Dibromofluoromethane (S) | % | | | | 97 | 75-125 | |
| Toluene-d8 (S) | % | | | | 93 | 75-125 | |

SAMPLE DUPLICATE: 830217

| Parameter | Units | 10134441035 | Dup | RPD | Max | Qualifiers |
|--------------------------------|-------|-------------|--------|-----|-----|------------|
| | | Result | Result | | RPD | |
| 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: City of Rochester CRC

Pace Project No.: 10134429

SAMPLE DUPLICATE: 830217

| Parameter | Units | 10134441035 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 | ND | ND | | 30 | |
| cis-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Dibromochloromethane | ug/L | ND | ND | | 30 | |
| Dibromomethane | ug/L | ND | ND | | 30 | |
| Dichlorodifluoromethane | ug/L | ND | ND | | 30 | |
| Dichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Diethyl ether (Ethyl ether) | ug/L | ND | ND | | 30 | |
| Ethylbenzene | ug/L | ND | ND | | 30 | |
| Hexachloro-1,3-butadiene | ug/L | ND | ND | | 30 | |
| Iodomethane | ug/L | ND | ND | | 30 | |
| Isopropylbenzene (Cumene) | ug/L | ND | ND | | 30 | |
| m&p-Xylene | ug/L | ND | ND | | 30 | |
| Methyl-tert-butyl ether | ug/L | ND | ND | | 30 | |
| Methylene Chloride | ug/L | ND | ND | | 30 | |
| n-Butylbenzene | ug/L | ND | ND | | 30 | |
| n-Propylbenzene | ug/L | ND | ND | | 30 | |
| Naphthalene | ug/L | ND | ND | | 30 | |
| o-Xylene | ug/L | ND | ND | | 30 | |
| p-Isopropyltoluene | ug/L | ND | ND | | 30 | |
| sec-Butylbenzene | ug/L | ND | ND | | 30 | |
| Styrene | ug/L | ND | ND | | 30 | |
| tert-Butylbenzene | ug/L | ND | ND | | 30 | |

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QUALITY CONTROL DATA

Project: City of Rochester CRC

Pace Project No.: 10134429

SAMPLE DUPLICATE: 830217

| Parameter | Units | 10134441035 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---------------------------|-------|-----------------------|---------------|-----|------------|------------|
| Tetrachloroethene | ug/L | ND | ND | | 30 | |
| Tetrahydrofuran | ug/L | ND | ND | | 30 | |
| Toluene | ug/L | ND | ND | | 30 | |
| trans-1,2-Dichloroethene | ug/L | ND | ND | | 30 | |
| trans-1,3-Dichloropropene | ug/L | ND | ND | | 30 | |
| Trichloroethene | ug/L | ND | ND | | 30 | |
| Trichlorofluoromethane | ug/L | ND | ND | | 30 | |
| Vinyl acetate | ug/L | ND | ND | | 30 | |
| Vinyl chloride | ug/L | ND | ND | | 30 | |
| Xylene (Total) | ug/L | ND | ND | | 30 | |
| 1,2-Dichloroethane-d4 (S) | % | 109 | 111 | 2 | | |
| 4-Bromofluorobenzene (S) | % | 95 | 87 | 9 | | |
| Dibromofluoromethane (S) | % | 114 | 109 | 5 | | |
| Toluene-d8 (S) | % | 98 | 89 | 9 | | |

QUALIFIERS

Project: City of Rochester CRC

Pace Project No.: 10134429

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.

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

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

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

SAMPLE QUALIFIERS

Sample: 10134429001

[1] Results were confirmed by re-analysis.

Sample: 10134429002

[1] Results were confirmed by re-analysis.

ANALYTE QUALIFIERS

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

L0 Analyte recovery in the laboratory control sample (LCS) was outside QC limits.

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

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

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

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

P5 The EPA or method required sample preservation degrades this compound, therefore acceptable recoveries may not be achieved in sample matrix spikes.



Sample Condition Upon Receipt

Client Name: Landmark

Project # 1034429

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals Intact: yes no

Optional
Proj Dir 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 4.0

Biological Tissue is Frozen: Yes No

Date and Initials of person examining contents: 7/27/10 SH

Temp should be above freezing to 6°C

Comments:

| | | |
|---|--|-----|
| Chain of Custody Present: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 1. |
| Chain of Custody Filled Out: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 2. |
| Chain of Custody Relinquished: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 3. |
| Sampler Name & Signature on COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 4. |
| Samples Arrived within Hold Time: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 5. |
| Short Hold Time Analysis (<72hr): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 6. |
| Rush Turn Around Time Requested: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 7. |
| Sufficient Volume: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 8. |
| Correct Containers Used: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 9. |
| -Pace Containers Used: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Containers Intact: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 10. |
| Filtered volume received for Dissolved tests | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 11. |
| Sample Labels match COC: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 12. |
| -Includes date/time/ID/Analysis Matrix: | <u>WT</u> | |
| All containers needing acid/base preservation have been checked. Noncompliance are noted in 13. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A | 13. |
| All containers needing preservation are found to be in compliance with EPA recommendation. | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | |
| Exceptions: VOA, Coliform, TOC, Oil and Grease, WI-DRO (water) | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | |
| Samples checked for dechlorination: | <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A | 14. |
| Headpace in VOA Vials (>6mm): | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 15. |
| Trip Blank Present: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | 16. |
| Trip Blank Custody Seals Present | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A | |
| Pace Trip Blank Lot # (if purchased): | _____ | |

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: CPM

Date: 7/27/10

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:

MN Bio Business Center

Date of Emission Test:

10/18/10

| | | |
|-----------------------------------|---|--|
| 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): |
| 8 | 10 | 0.06 |
| STACK 1 | | |

| ENTER EMISSION CONCENTRATIONS FOR STACK#1 in Column C | | | | | | | | |
|--|--------------|--------------------------------|------------------------------------|-----------------------|-----------------------|-----------------------|------------------------------------|-----------------------------------|
| Chemical Name | CAS or MPCA# | Emission concentration stack#1 | Gas flow rate through vent stack#1 | Emission rate stack#1 | Emission rate stack#1 | Emission rate stack#1 | Total Annual Emissions (tons/year) | Cumulative Emission Rate (ug/sec) |
| | | ug/m ³ | m ³ /sec | ug/sec | lb/hr | tons/year | | |
| Acetone | 67-64-1 | 227 | 6.1000E-02 | 1.3847E+01 | 1.0990E-04 | 4.8136E-04 | 4.8136E-04 | 1.3847E+01 |
| Isopropyl alcohol | 67-63-0 | 484 | 6.1000E-02 | 2.9524E+01 | 2.3432E-04 | 1.0263E-03 | 1.0263E-03 | 2.9524E+01 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 1120 | 6.1000E-02 | 6.8320E+01 | 5.4223E-04 | 2.3750E-03 | 2.3750E-03 | 6.8320E+01 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1300 | 6.1000E-02 | 7.9300E+01 | 6.2938E-04 | 2.7567E-03 | 2.7567E-03 | 7.9300E+01 |
| Toluene | 108-88-3 | 102 | 6.1000E-02 | 6.2220E+00 | 4.9382E-05 | 2.1629E-04 | 2.1629E-04 | 6.2220E+00 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 16300 | 6.1000E-02 | 9.9430E+02 | 7.8914E-03 | 3.4564E-02 | 3.4564E-02 | 9.9430E+02 |
| Trimethylbenzene, 1,2,4- | 95-63-6 | 153 | 6.1000E-02 | 9.3330E+00 | 7.4073E-05 | 3.2444E-04 | 3.2444E-04 | 9.3330E+00 |
| | | | | | | | 4.1744E-02 | |

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: **10/18/2010**

| | | |
|---------------------------------|---|---|
| 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 | 0.03 |

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 | 2.04E+02 | | 1.00 | 6.53E+00 | 5.18E-05 | 2.27E-04 | 6.53E+00 | 5.18E-05 | 2.27E-04 |

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: 10/18/2010

| 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 | 1.38E+01 | 1.70E-02 | 0.0 | |
| Isopropyl alcohol | 67-63-0 | 7.00E+03 | | 1230 | 5.69E+06 | 2.95E+01 | 3.63E-02 | 0.0 | |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 5.00E+03 | | 1230 | 4.07E+06 | 6.83E+01 | 8.40E-02 | 0.0 | |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.00E+02 | 2.00E+01 | 1230 | 1.63E+04 | 8.58E+01 | 1.06E-01 | 0.0 | 5.3E-08 |
| Toluene | 108-88-3 | 5.00E+03 | | 1230 | 4.07E+06 | 6.22E+00 | 7.65E-03 | 0.0 | |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | | 1230 | | 9.94E+02 | 1.22E+00 | | |
| Trimethylbenzene, 1,2,4- | 95-63-6 | 7.00E+00 | | 1230 | 5.69E+03 | 9.33E+00 | 1.15E-02 | 0.0 | |
| Additive Risk: | | | | | | | | 0.0 | 5.3E-08 |

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:

10/18/2010

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

| Chemical Name | CAS # or MPCA # | Acute toxicity 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 | | 1.38E+01 | 2.03E-01 | |
| Isopropyl alcohol | 67-63-0 | 3200 | 3343 | 9.57E+05 | 2.95E+01 | 4.32E-01 | 0.0 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 10000 | 3343 | 2.99E+06 | 6.83E+01 | 1.00E+00 | 0.0 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 20000 | 3343 | 5.98E+06 | 8.58E+01 | 1.26E+00 | 0.0 |
| Toluene | 108-88-3 | 37000 | 3343 | 1.11E+07 | 6.22E+00 | 9.11E-02 | 0.0 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | 3343 | | 9.94E+02 | 1.46E+01 | |
| Trimethylbenzene, 1,2,4- | 95-63-6 | | 85665 | | 9.33E+00 | 1.37E-01 | |
| 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): | 5.3E-08 |

| 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 |

Site Data Entry Worksheet for Soil Vapor Extraction Systems
 Enter site data for up to 5 SVE stacks in yellow cells.

Project Name:

MN Bio Business Center

Date of Emission Test:

12/23/10

| | |
|---|--|
| 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): |
| 8 | 0.02 |

STACK 1

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 | 78 | 2.4000E-02 | 1.8720E+00 | 1.4857E-05 | 6.5075E-05 | 6.5075E-05 | 1.8720E+00 |
| Ethanol | 64-17-5 | 726 | 2.4000E-02 | 1.7424E+01 | 1.3829E-04 | 6.0570E-04 | 6.0570E-04 | 1.7424E+01 |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 45.6 | 2.4000E-02 | 1.0944E+00 | 8.6859E-06 | 3.8044E-05 | 3.8044E-05 | 1.0944E+00 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 26.9 | 2.4000E-02 | 6.4560E-01 | 5.1239E-06 | 2.2443E-05 | 2.2443E-05 | 6.4560E-01 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 2680 | 2.4000E-02 | 6.4320E+01 | 5.1048E-04 | 2.2359E-03 | 2.2359E-03 | 6.4320E+01 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 42700 | 2.4000E-02 | 1.0248E+03 | 8.1335E-03 | 3.5625E-02 | 3.5625E-02 | 1.0248E+03 |
| | | | | | | | 3.8592E-02 | |

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: **12/23/2010**

| | | |
|---------------------------------|---|---|
| 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 | 0.02 |

Air Stripper #1

| Chemical Name | CAS or MPCA# | Influent Groundwater Concentration [IGC] (ug/L) | Effluent Groundwater Concentration [EGC] (ug/L) | Removal Factor [RF] (dimensionless) | 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 | 1.68E+02 | | 1.00 | 3.19E+00 | 2.53E-05 | 1.11E-04 | 3.19E+00 | 2.53E-05 | 1.11E-04 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 3.00E+00 | | 1.00 | 5.70E-02 | 4.52E-07 | 1.98E-06 | 5.70E-02 | 4.52E-07 | 1.98E-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: 12/22/10/2010

| 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 | 1.87E+00 | 2.30E-03 | 0.0 | |
| Ethanol | 64-17-5 | 1.50E+04 | | 1230 | 1.22E+07 | 1.74E+01 | 2.14E-02 | 0.0 | |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 5.00E+03 | | 1230 | 4.07E+06 | 1.09E+00 | 1.35E-03 | 0.0 | |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 5.00E+03 | | 1230 | 4.07E+06 | 6.46E-01 | 7.94E-04 | 0.0 | |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.00E+02 | 2.00E+01 | 1230 | 1.63E+04 | 6.75E+01 | 8.30E-02 | 0.0 | 4.2E-08 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 76-13-1 | | | 1230 | | 1.02E+03 | 1.26E+00 | | |
| Additive Risk: | | | | | | | | 0.0 | 4.2E-08 |

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:

12/22/2010

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

| Chemical Name | CAS # or MPCA # | Acute toxicity 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 | | 1.87E+00 | 2.74E-02 | |
| Ethanol | 64-17-5 | 180000 | 3343 | 5.38E+07 | 1.74E+01 | 2.55E-01 | 0.0 |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 140000 | 3343 | 4.19E+07 | 1.09E+00 | 1.60E-02 | 0.0 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 10000 | 3343 | 2.99E+06 | 6.46E-01 | 9.45E-03 | 0.0 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 20000 | 3343 | 5.98E+06 | 6.75E+01 | 9.89E-01 | 0.0 |
| Toluene | 108-88-3 | 37000 | 85665 | 4.32E+05 | | | |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | 3343 | | 1.02E+03 | 1.50E+01 | |
| 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): | 4.2E-08 |

| 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 |

Site Data Entry Worksheet for Soil Vapor Extraction Systems

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

Project Name:

MN Bio Business Center

Date of Emission Test:

01/20/11

| | | |
|-----------------------------------|---|--|
| 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): |
| 8 | 10 | 0.06 |

STACK 1

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 | 29 | 5.6000E-02 | 1.6240E+00 | 1.2889E-05 | 5.6454E-05 | 5.6454E-05 | 1.6240E+00 |
| Chloroform | 67-66-3 | 4.9 | 5.6000E-02 | 2.7440E-01 | 2.1778E-06 | 9.5388E-06 | 9.5388E-06 | 2.7440E-01 |
| Ethanol | 64-17-5 | 286 | 5.6000E-02 | 1.6016E+01 | 1.2711E-04 | 5.5676E-04 | 5.5676E-04 | 1.6016E+01 |
| Ethyl acetate | 141-78-6 | 3.4 | 5.6000E-02 | 1.9040E-01 | 1.5111E-06 | 6.6188E-06 | 6.6188E-06 | 1.9040E-01 |
| Ethyl benzene | 100-41-4 | 2 | 5.6000E-02 | 1.1200E-01 | 8.8890E-07 | 3.8934E-06 | 3.8934E-06 | 1.1200E-01 |
| Isopropyl alcohol | 67-63-0 | 21.9 | 5.6000E-02 | 1.2264E+00 | 9.7335E-06 | 4.2633E-05 | 4.2633E-05 | 1.2264E+00 |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 20.8 | 5.6000E-02 | 1.1648E+00 | 9.2446E-06 | 4.0491E-05 | 4.0491E-05 | 1.1648E+00 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 41.4 | 5.6000E-02 | 2.3184E+00 | 1.8400E-05 | 8.0593E-05 | 8.0593E-05 | 2.3184E+00 |
| Methyl isobutyl ketone (Hexone) | 108-10-1 | 8.3 | 5.6000E-02 | 4.6480E-01 | 3.6890E-06 | 1.6158E-05 | 1.6158E-05 | 4.6480E-01 |
| Methylene chloride (Dichloromethane) | 75-09-2 | 101 | 5.6000E-02 | 5.6560E+00 | 4.4890E-05 | 1.9662E-04 | 1.9662E-04 | 5.6560E+00 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 5040 | 5.6000E-02 | 2.8224E+02 | 2.2400E-03 | 9.8114E-03 | 9.8114E-03 | 2.8224E+02 |
| Toluene | 108-88-3 | 12.3 | 5.6000E-02 | 6.8880E-01 | 5.4668E-06 | 2.3944E-05 | 2.3944E-05 | 6.8880E-01 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 56200 | 5.6000E-02 | 3.1472E+03 | 2.4978E-02 | 1.0940E-01 | 1.0940E-01 | 3.1472E+03 |
| Trichloroethylene | 79-01-6 | 14.8 | 5.6000E-02 | 8.2880E-01 | 6.5779E-06 | 2.8811E-05 | 2.8811E-05 | 8.2880E-01 |
| Trimethylbenzene, 1,2,4- | 95-63-6 | 3.3 | 5.6000E-02 | 1.8480E-01 | 1.4667E-06 | 6.4241E-06 | 6.4241E-06 | 1.8480E-01 |
| Xylenes, m- | 108-38-3 | 6.9 | 5.6000E-02 | 3.8640E-01 | 3.0667E-06 | 1.3432E-05 | 1.3432E-05 | 3.8640E-01 |
| Xylenes, o- | 95-47-6 | 5.8 | 5.6000E-02 | 3.2480E-01 | 2.5778E-06 | 1.1291E-05 | 1.1291E-05 | 3.2480E-01 |
| | | | | | | | 1.2031E-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: | 1/20/2011 |

| | | |
|---------------------------------|---|--|
| 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 | 0.07 |

Air Stripper #1

| Chemical Name | CAS or MPCA# | Influent Groundwater Concentration [IGC] (ug/L) | Effluent Groundwater Concentration [EGC] (ug/L) | Removal Factor [RF] (dimensionless) | 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 | 5.18E+01 | | 1.00 | 3.52E+00 | 2.80E-05 | 1.22E-04 | 3.52E+00 | 2.80E-05 | 1.22E-04 |

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

MN Bio Business Center

Site/Project Name:

Emission Test Date:
1/20/2011

| 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 | 1.62E+00 | 2.00E-03 | 0.0 | |
| Chloroform | 67-66-3 | 1.00E+02 | | 1230 | 8.13E+04 | 2.74E-01 | 3.38E-04 | 0.0 | |
| Ethanol | 64-17-5 | 1.50E+04 | | 1230 | 1.22E+07 | 1.60E+01 | 1.97E-02 | 0.0 | |
| Ethyl acetate | 141-78-6 | 3.30E+03 | | 1230 | 2.68E+06 | 1.90E-01 | 2.34E-04 | 0.0 | |
| Ethyl benzene | 100-41-4 | 1.00E+03 | | 1230 | 8.13E+05 | 1.12E-01 | 1.38E-04 | 0.0 | |
| Isopropyl alcohol | 67-63-0 | 7.00E+03 | | 1230 | 5.69E+06 | 1.23E+00 | 1.51E-03 | 0.0 | |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 5.00E+03 | | 1230 | 4.07E+06 | 1.16E+00 | 1.43E-03 | 0.0 | |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 5.00E+03 | | 1230 | 4.07E+06 | 2.32E+00 | 2.85E-03 | 0.0 | |
| Methyl isobutyl ketone (Hexone) | 108-10-1 | 3.00E+03 | | 1230 | 2.44E+06 | 4.65E-01 | 5.72E-04 | 0.0 | |
| Methylene chloride (Dichloromethane) | 75-09-2 | 4.00E+02 | 2.13E+01 | 1230 | 1.73E+04 | 5.66E+00 | 6.96E-03 | 0.0 | 3.3E-09 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.00E+02 | 2.00E+01 | 1230 | 1.63E+04 | 2.86E+02 | 3.51E-01 | 0.0 | 1.8E-07 |
| Toluene | 108-88-3 | 5.00E+03 | | 1230 | 4.07E+06 | 6.89E-01 | 8.47E-04 | 0.0 | |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | | 1230 | | 3.15E+03 | 3.87E+00 | | |
| Trichloroethylene | 79-01-6 | 6.00E+02 | 3.03E+00 | 1230 | 2.46E+03 | 8.29E-01 | 1.02E-03 | 0.0 | 3.4E-09 |
| Trimethylbenzene, 1,2,4- | 95-63-6 | 7.00E+00 | | 1230 | 5.69E+03 | 1.85E-01 | 2.27E-04 | 0.0 | |
| Xylenes, m- | 108-38-3 | 1.00E+02 | | 1230 | 8.13E+04 | 3.86E-01 | 4.75E-04 | 0.0 | |
| Xylenes, o- | 95-47-6 | 1.00E+02 | | 1230 | 8.13E+04 | 3.25E-01 | 4.00E-04 | 0.0 | |
| Additive Risk: | | | | | | | | 0.0 | 1.8E-07 |

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:

1/20/2011

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

| Chemical Name | CAS # or MPCA # | Acute toxicity 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 | | 1.62E+00 | 2.38E-02 | |
| Chloroform | 67-66-3 | 150 | 3343 | 4.49E+04 | 2.74E-01 | 4.02E-03 | 0.0 |
| Ethanol | 64-17-5 | 180000 | 3343 | 5.38E+07 | 1.60E+01 | 2.35E-01 | 0.0 |
| Ethyl acetate | 141-78-6 | 40000 | 3343 | 1.20E+07 | 1.90E-01 | 2.79E-03 | 0.0 |
| Ethyl benzene | 100-41-4 | 10000 | 3343 | 2.99E+06 | 1.12E-01 | 1.64E-03 | 0.0 |
| Isopropyl alcohol | 67-63-0 | 3200 | 3343 | 9.57E+05 | 1.23E+00 | 1.80E-02 | 0.0 |
| Methyl chloroform (1,1,1-Trichloroethane) | 71-55-6 | 140000 | 3343 | 4.19E+07 | 1.16E+00 | 1.71E-02 | 0.0 |
| Methyl ethyl ketone (2-Butanone) | 78-93-3 | 10000 | 3343 | 2.99E+06 | 2.32E+00 | 3.39E-02 | 0.0 |
| Methyl isobutyl ketone (Hexone) | 108-10-1 | | 3343 | | 4.65E-01 | 6.81E-03 | |
| Methylene chloride (Dichloromethane) | 75-09-2 | 10000 | 3343 | 2.99E+06 | 5.66E+00 | 8.28E-02 | 0.0 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 20000 | 3343 | 5.98E+06 | 2.86E+02 | 4.18E+00 | 0.0 |
| Toluene | 108-88-3 | 37000 | 3343 | 1.11E+07 | 6.89E-01 | 1.01E-02 | 0.0 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | 3343 | | 3.15E+03 | 4.61E+01 | |
| Trichloroethylene | 79-01-6 | 2000 | 3343 | 5.98E+05 | 8.29E-01 | 1.21E-02 | 0.0 |
| Trimethylbenzene, 1,2,4- | 95-63-6 | | 85665 | | 1.85E-01 | 2.71E-03 | |
| Xylenes, m- | 108-38-3 | 43000 | 3343 | 1.29E+07 | 3.86E-01 | 5.66E-03 | 0.0 |
| Xylenes, o- | 95-47-6 | 43000 | 3343 | 1.29E+07 | 3.25E-01 | 4.76E-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): | 1.8E-07 |

| 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 |

Site Data Entry Worksheet for Soil Vapor Extraction Systems

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

Project Name:

MN Bio Business Center

Date of Emission Test:

02/28/11

| | | |
|-----------------------------------|---|--|
| 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): |
| 8 | 10 | 0.05 |

STACK 1

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) |
|---|--------------|--|--|------------------------------|-----------------------------|---------------------------------|------------------------------------|-----------------------------------|
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 4590 | 4.9000E-02 | 2.2491E+02 | 1.7850E-03 | 7.8184E-03 | 7.8184E-03 | 2.2491E+02 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 17100 | 4.9000E-02 | 8.3790E+02 | 6.6501E-03 | 2.9127E-02 | 2.9127E-02 | 8.3790E+02 |
| | | | | | | | 3.6946E-02 | |

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: **2/28/2011**

| | | |
|---------------------------------|---|---|
| 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 | 0.03 |

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 | 1.27E+02 | | 1.00 | 4.06E+00 | 3.23E-05 | 1.41E-04 | 4.06E+00 | 3.23E-05 | 1.41E-04 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 2.30E+00 | | 1.00 | 7.36E-02 | 5.84E-07 | 2.56E-06 | 7.36E-02 | 5.84E-07 | 2.56E-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:
 2/28/2011

| 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) |
|---|-----------------|-------------------------------------|----------------------------------|-----------------------------------|-----------------------------|------------------------------------|--|---------------------|----------------|
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.00E+02 | 2.00E+01 | 1230 | 1.63E+04 | 2.29E+02 | 2.82E-01 | 0.0 | 1.4E-07 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- | 76-13-1 | | | 1230 | | 8.38E+02 | 1.03E+00 | | |
| Additive Risk: | | | | | | | | 0.0 | 1.4E-07 |

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:

2/28/2011

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

| Chemical Name | CAS # or MPCA # | Acute toxicity 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 |
|---|-----------------|------------------------------|---------------------------------|-------------------------|---------------------------|--|------------------------------------|
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 20000 | 3343 | 5.98E+06 | 2.29E+02 | 3.35E+00 | 0.0 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | 3343 | | 8.38E+02 | 1.23E+01 | |
| 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): | 1.4E-07 |

| 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 |

Site Data Entry Worksheet for Soil Vapor Extraction Systems
 Enter site data for up to 5 SVE stacks in yellow cells.

Project Name:

MN Bio Business Center

Date of Emission Test:

03/23/11

| | | |
|-----------------------------------|---|--|
| 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): |
| 8 | 10 | 0.03 |
| STACK 1 | | |

| 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 | 25.4 | 3.4000E-02 | 8.6360E-01 | 6.8541E-06 | 3.0021E-05 | 3.0021E-05 | 8.6360E-01 |
| Ethanol | 64-17-5 | 139 | 3.4000E-02 | 4.7260E+00 | 3.7509E-05 | 1.6429E-04 | 1.6429E-04 | 4.7260E+00 |
| Hexane | 110-54-3 | 40.9 | 3.4000E-02 | 1.3906E+00 | 1.1037E-05 | 4.8341E-05 | 4.8341E-05 | 1.3906E+00 |
| Methylene chloride (Dichloromethane) | 75-09-2 | 310 | 3.4000E-02 | 1.0540E+01 | 8.3652E-05 | 3.6640E-04 | 3.6640E-04 | 1.0540E+01 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 7340 | 3.4000E-02 | 2.4956E+02 | 1.9807E-03 | 8.6753E-03 | 8.6753E-03 | 2.4956E+02 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | 49100 | 3.4000E-02 | 1.6694E+03 | 1.3249E-02 | 5.8032E-02 | 5.8032E-02 | 1.6694E+03 |
| | | | | | | | 6.7317E-02 | |

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: **3/23/2011**

| | | |
|---------------------------------|---|---|
| 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 | 0.02 |

Air Stripper #1

| Chemical Name | CAS or MPCA# | Influent Groundwater Concentration [IGC] (ug/L) | Effluent Groundwater Concentration [EGC] (ug/L) | Removal Factor [RF] (dimensionless) | 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) |
|---|--------------|---|---|-------------------------------------|--|------------------------|--------------------------|-----------------------------------|---------------------------------|------------------------------------|
| Methyl chloride (Chloromethane) | 74-87-3 | 3.50E+01 | | 1.00 | 8.40E-01 | 6.67E-06 | 2.92E-05 | 8.40E-01 | 6.67E-06 | 2.92E-05 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 7.60E+00 | | 1.00 | 1.82E-01 | 1.45E-06 | 6.34E-06 | 1.82E-01 | 1.45E-06 | 6.34E-06 |

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

MN Bio Business Center

Site/Project Name:

Emission Test Date:
3/23/2011

| 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 | 8.64E-01 | 1.06E-03 | 0.0 | |
| Ethanol | 64-17-5 | 1.50E+04 | | 1230 | 1.22E+07 | 4.73E+00 | 5.81E-03 | 0.0 | |
| Hexane | 110-54-3 | 2.00E+03 | | 1230 | 1.63E+06 | 1.39E+00 | 1.71E-03 | 0.0 | |
| Methyl chloride (Chloromethane) | 74-87-3 | 9.00E+01 | 5.56E+00 | 1230 | 4.52E+03 | 8.40E-01 | 1.03E-03 | 0.0 | 1.9E-09 |
| Methylene chloride (Dichloromethane) | 75-09-2 | 4.00E+02 | 2.13E+01 | 1230 | 1.73E+04 | 1.05E+01 | 1.30E-02 | 0.0 | 6.1E-09 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 1.00E+02 | 2.00E+01 | 1230 | 1.63E+04 | 2.50E+02 | 3.07E-01 | 0.0 | 1.5E-07 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | | 1230 | | 1.67E+03 | 2.05E+00 | | |
| Additive Risk: | | | | | | | | 0.0 | 1.6E-07 |

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:

3/23/2011

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

| Chemical Name | CAS # or MPCA # | Acute toxicity 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 | | 8.64E-01 | 1.26E-02 | |
| Ethanol | 64-17-5 | 180000 | 3343 | 5.38E+07 | 4.73E+00 | 6.92E-02 | 0.0 |
| Hexane | 110-54-3 | | 3343 | | 1.39E+00 | 2.04E-02 | |
| Methyl chloride (Chloromethane) | 74-87-3 | | 3343 | | 8.40E-01 | 1.23E-02 | |
| Methylene chloride (Dichloromethane) | 75-09-2 | 10000 | 3343 | 2.99E+06 | 1.05E+01 | 1.54E-01 | 0.0 |
| Tetrachloroethylene (Perchloroethylene) | 127-18-4 | 20000 | 3343 | 5.98E+06 | 2.50E+02 | 3.66E+00 | 0.0 |
| Trichloro-1,2,2-trifluoroethane, 1,1,2- (Freon 113) | 76-13-1 | | 3343 | | 1.67E+03 | 2.44E+01 | |
| 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): | 1.6E-07 |

| 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 |