



2019 Monitoring Progress Report and NR726 Closure Request

Hayward Landfill

Hayward, Wisconsin

BRRTS No. 02-58-000380/WDNR License No. 01751

HAYWA 153936 | February 24, 2020



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February 24, 2020

RE: Hayward Landfill
2019 Monitoring Progress Report and
NR726 Closure Request
Hayward, Wisconsin
BRRTS No. 02-58-000380/WDNR License
No. 01751
SEH No. HAYWA 153936 4.00

Mr. John Sager
Wisconsin Department of Natural Resources
1701 N 4th Street
Superior, WI 54880

Dear Mr. Sager:

On behalf of the City of Hayward, Short Elliott Hendrickson Inc. (SEH®) is submitting the enclosed document titled "2019 Monitoring Progress Report and NR726 Closure Request" for the Hayward Landfill.

This report has been prepared to formally request ch. NR726 Wisconsin Administrative Code Case closure of the Hayward Landfill (BRRTS #02-58-000380) from the Remediation & Redevelopment (R&R) program. It is our understanding that the site will be transferred back to long-term monitoring within the Waste and Materials Management program under WDNR License No. 01751.

This report also provides a summary of the sampling and monitoring activities conducted at the Hayward Landfill from January 2019 through December 2019, and summarizes groundwater quality monitoring data and remedial progress since 1994. This document has been prepared in general accordance with s. NR 726.09(2) and s. NR 724.13 Wisconsin Administrative Code.

If you or your staff has any comments or questions, please contact me at 1.608.498.4844.

Sincerely,

A handwritten signature in black ink, appearing to read "Brian Kent".

Brian Kent, CHMM
Project Manager

MFR/JEG/BLK

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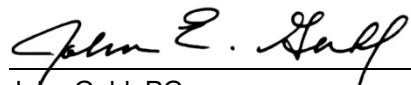
2019 Monitoring Progress Report and NR726 Closure Request

2019 Monitoring Progress Report and NR726 Closure Request
Hayward, Wisconsin

Prepared for:
City of Hayward
Hayward, Wisconsin

Prepared by:
Short Elliott Hendrickson Inc.
10 North Bridge Street
Chippewa Falls, WI 54729-2550
715.720.6200

I, John Guhl, PG, hereby certify that I am a Hydrogeologist as that term is defined in s. NR 712.03(1) Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



John Guhl, PG,
Hydrogeologist

120 February 24, 2020

PG Number Date

I, Mike Rohlik, hereby certify that I am a scientist as that term is defined in s. NR 712.03(3), Wis. Adm. Code, and that, to the best of my knowledge, all of the information contained in this document is correct and the document was prepared in compliance with all applicable requirements in chs. NR 700 to 726, Wis. Adm. Code.



Mike Rohlik
Project Manager

February 24, 2020

Date



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2019 Monitoring Progress Report and NR726 Closure Request

Hayward Landfill

Prepared for City of Hayward

1 Introduction

In early 2020, during preparation of the 2019 Annual Progress Report, it was discovered that the Hayward Landfill (BRRS #02-58-000380) project had been transferred from the Wisconsin Department of Natural Resources (WDNR) Remediation & Redevelopment (R&R) program to the WDNR Waste and Materials Management (WMM) program on March 5, 2018. No notification of the transfer was provided to the City of Hayward (City). SEH, on behalf of the City, subsequently contacted John Sager (WDNR R&R Project Manager) to confirm that the site had been transferred, and to determine the ongoing requirements regarding long-term monitoring, reporting, and compliance demonstration.

Upon consultation with other WDNR R&R and WMM staff, Mr. Sager confirmed that the site had been transferred; however, it had not been “accepted” by the WMM program. Mr. Sager also indicated that the ongoing long-term care and reporting requirements of the WMM had not been established or discussed between the two programs. To facilitate the transfer and establishment of on-going long-term care requirements, the WDNR requested the City issue a case closure request and propose long-term care requirements. In effort to stream line the process, the WDNR indicated that the closure request and proposed long-term care requirements could be addressed within the 2019 Annual Progress Report. Following is a summary of the current understanding between the WDNR and City:

- The City will prepare and issue the 2019 OMM Progress Report required under the R&R program. This will be used by the WDNR to review the current status of groundwater/gas probe monitoring results.
- The 2019 OMM Progress Report will be supplemented to include the City's recommendations relating to ongoing monitoring requirements in the WMM program. This will include a request to abandon several of the existing monitoring wells and request a reduction in sampling frequency from semi-annual to annual. Mr. Sager has indicated that the WDNR agrees that several of the existing wells can be abandoned, and schedule reduced to annual.
- The 2019 OMM Progress Report will also include a summary relating to private well sampling with a request to terminate ongoing monitoring. As part of the WDNR's response, the WDNR will clarify that the landfill does not appear to be impacting drinking water supplies down gradient of the landfill, and existing chloroform contamination is due to historical practices in the vicinity.

- The 2019 OMM Progress Report will include the provision that the LFG collection remain off, but will indicate that the City retain the infrastructure in place until such time down the road they determine it is okay to remove.
- A WDNR closure form (WDNR Form 4400-202) is not required to be prepared and issued to the WDNR.
- The WDNR will require the City issue payment for \$700 (Technical Assistance Fee) for review and response for the site transition. The closure review fee is not required.
- Assuming that there are no groundwater quality enforcement standard (ES) exceedances, which are attributable to the landfill, outside the design management zone (DMZ) the transition will not require a ch NR 727 Continuing Obligations or GIS registry listing.

1.1 Purpose

This report has been prepared to formally request ch. NR726 Wisconsin Administrative Code Case closure of the Hayward Landfill (BRRTS #02-58-000380) from the R&R program. It is our understanding that the site will be transferred back to long-term monitoring within the WMM program under WDNR License No. 01751.

This document also summarizes environmental monitoring data collected from and near the City of Hayward (Hayward) Landfill during calendar year 2019, and groundwater quality and remedial progress dating back to 1994.

1.2 Remedial Objective

Between 1998 and 2016 an active LFG extraction system was operated at the site as a source abatement measure to limit the migration of volatile organic compounds (VOCs) from the landfill waste to the underlying groundwater. Induced atmospheric intrusion of oxygenated air into the landfill was implemented to accelerate decomposition of waste, reduce the anaerobic biochemical generation of vinyl chloride (VC), and reduce methane production. Based on the groundwater and landfill gas data collected between 1998 and 2019 the LFG system appears to have been effective. In early 2016 the site's LFG system was shut down and an alternate monitoring schedule was implemented to assess possible rebounding groundwater contaminant trends.

1.3 General Facilities Information

A summary of general facilities information is presented below:

Project Title:

Hayward Landfill, City of Hayward, Wisconsin
(WDNR License No. 01751)

Property Owner:

City of Hayward
15889 West Third Street
P.O. Box 969
Hayward, WI 54843

Project Contacts:

Mr. John McCue, Director of Public Works
City of Hayward
15889 West Third Street
P.O. Box 969
Hayward, WI 54843
715.634.4612

Mr. John Sager, Hydrogeologist
Wisconsin Department of Natural Resources
1701 N. 4th Street
Superior, WI 54880
715.392.7822

Mr. Brian Kent, CHMM, Project Manager
Short Elliott Hendrickson Inc.
329 Jay Street, Ste. 301
La Crosse, WI 54601
608.498.4844

1.4 Site Location

The Hayward Landfill is located northeast of the intersection of STH 63 and Stress Road, Section 28, T41N, R9W, City of Hayward, Sawyer County, Wisconsin. The location of the Hayward Landfill and surrounding area is shown on Figure 1, "Title Sheet/Site Location."

1.5 Project History

The City of Hayward owns and formerly operated the solid waste landfill referred to in this document. The landfill was licensed by the Wisconsin Department of Natural Resources WDNR License No. 01751 for the disposal of solid waste.

The City operated the landfill for approximately 21 years and closed it in 1985. Municipal, commercial, and demolition waste were disposed in the waste containment area, which encompassed approximately 9.1 acres of the 20-acre site.

Post closure groundwater monitoring indicated the groundwater beneath and down gradient from the site was being impacted by contaminants migrating from the landfill. At the WDNR's request, the City investigated the groundwater contamination and subsequently installed a landfill gas extraction system (LFG) as a source abatement remedial action in 1998. As a condition to approving utilizing LFG extraction as a remedial option (versus constructing an impermeable cap on the landfill), the WDNR required the City to evaluate the effectiveness of the LFG system following five years of operation.

In February 2003 SEH submitted a system effectiveness evaluation to the WDNR, which suggested that the existing remediation system was effective in reducing groundwater contamination in the area. The WDNR concurred with this recommendation in a Plan Approval Modification dated March 25, 2003, which stated the "approval allows the City an additional four year time extension (to January 2007) to show the gas extraction system continues to effectively control contamination coming from the landfill". In February 2008 SEH submitted a second system effectiveness evaluation, detailing the progress of the LFG extraction system in restoring

groundwater quality. The WDNR did not provide a response to the February 2008 effectiveness evaluation

In early 2015, SEH issued the 2014 Operations, Maintenance and Monitoring (OMM) Progress Report. Included with the report was a detailed summary of the effectiveness of the remediation system in restoring groundwater quality and minimizing LFG migration associated with landfill. While the remediation system was very effective in restoring groundwater quality, the data collected during 2014, and recent previous years, suggested that the active system may warrant being shutdown to assess contaminant rebound. Accordingly, the 2014 OMM Progress Report requested authorization from the WDNR to indefinitely shut down the active LFG system, and modify the groundwater-monitoring network to more efficiently assess potential contaminant rebound. In a May 21, 2015 letter the WDNR approved shutdown of the active remediation system and issued a revised environmental monitoring schedule. As accounted for in the WDNR's May 21, 2015 letter, following one year of additional data collection the WDNR approved further modifications to the monitoring schedule via a June 15, 2016 electronic mail. The current monitoring schedule is attached as Table 1 "Site Monitoring Schedule".

The details of the historic investigation, design studies, construction documentation, effectiveness evaluations, and progress reports are provided in the following reports:

- Initial Phase of the Landfill Investigation Report (Highland EnviroCorp, August 1994)
- Environmental Contamination Assessment Report (SEH, August 1995)
- Additional Investigation and Remedial Design Report (SEH, May 1997)
- Construction Documentation Report - Landfill Gas Extraction System (SEH, June 1998)
- Operations, Maintenance and Monitoring Manual - Landfill Gas Extraction System (SEH, June 1998)
- Hayward LFG System Effectiveness Evaluation Report (SEH, February 2003)
- Hayward LFG System Effectiveness Evaluation Report (SEH, February 2008)
- Operations, Maintenance, and Monitoring Progress Report 2008 (SEH, April 2009)
- Operations, Maintenance, and Monitoring Progress Report 2009 (SEH, April 2010)
- Operations, Maintenance, and Monitoring Progress Report 2010 (SEH, March 2011)
- Operations, Maintenance, and Monitoring Progress Report 2011 (SEH, March 2012)
- Operations, Maintenance, and Monitoring Progress Report 2012 (SEH, February 2013)
- Operations, Maintenance, and Monitoring Progress Report 2013 (SEH, April 2014)
- Operations, Maintenance, and Monitoring Progress Report 2014 (SEH, March 2015)
- Operations, Maintenance, and Monitoring Progress Report 2015 (SEH, April 2016)
- Monitoring Progress Report-2016 (SEH, March 2017)
- Monitoring Progress Report-2017 (SEH, March 2018)
- Monitoring Progress Report-2018 (SEH, January 2019)

1.6 Site Conditions

The landfill cover continues to be well vegetated and is routinely mowed by the City. Settlement continues to occur in areas of the landfill, particularly in the northern portion of the site. This portion of the landfill was utilized in the final years of the landfill operation and contains the most recently deposited waste.

Due to historic practices of burying waste in a series of small pits and trenches, waste settlement is not consistent. The areas containing waste are clearly distinguishable as they have settled and the adjacent soils around the pit or trench have remained unchanged. Due to the uneven settlement, a few locations have developed narrow crevices due to shear movement. These areas have been filled with granular materials by the City when identified to address navigation hazards.

2 Monitoring

Environmental monitoring is utilized to evaluate remediation progress and to minimize the potential for the threat to public health and/or violations of environmental regulations. An outline of the current monitoring schedule is presented on Table 1.

OMM progress reports have historically been submitted on an annual basis to summarize data and track remedial progress. A list of the submitted progress reports and submittal date are provided in Section 1.5.

2.1 System Monitoring

Monitoring of the LFG extraction system has been discontinued as the system has been turned off. The extraction system has effectively removed landfill gas and minimized the migration of contaminants to the groundwater beneath the waste. Tabulated historical results of the LFG extraction system and LFG extraction well monitoring results are provided in the 2014 OMM Progress report.

2.2 Well Head Monitoring

The fourteen individual active LFG extraction wells were converted to passive vents during the December 2015 sampling event. Refer to the 2014 OMM Progress Report for historic extraction well head monitoring data (1998 through 2014). Locations of the extraction wells/passive vents are shown on Figure 2, "LFG Extraction Well and Gas Probe Locations."

2.3 Gas Probe Monitoring

Currently there are 17 gas probes across the site. Six of the gas probes are located outside the limits of waste and are utilized to monitor perimeter gas concentrations. Eleven gas probes exist within the limits of waste and have historically been utilized to determine the remediation system effectiveness in removing methane and to determine the system's radius of influence (ROI).

Methane was not measured in any of the perimeter gas probes during the March or September 2019 monitoring events. Gas Probe monitoring results measured and recorded during 2019 are included in Table 2, "Gas Probe Monitoring Results". Refer to the 2014 OMM Progress Report for historic gas probe monitoring data (1998 through 2014), including the interior gas probes. Gas probe monitoring data collected from the perimeter gas probes for each individual year since 2014 are summarized in each respective annual report. Please note interior gas probes have been utilized historically to measure radius of influence of the LFG extraction system.

Methane has not been measured above 25 percent of the lower explosive level at any of the perimeter gas probes since they were constructed in 1998.

2.4 Groundwater Monitoring

Groundwater monitoring is currently conducted at both on and off site monitoring wells, piezometers, and private wells on a semi-annual schedule in accordance with Table 1. Due to issues with arranging access to private wells, the March event was delayed until April. A figure showing the location of site monitoring wells and piezometers is shown on Figure 3, "Monitoring Well, Piezometer, and Private Well Locations." Analytical reports for the groundwater analyses conducted on the site monitoring wells, piezometers, and private wells are submitted to the WDNR's Groundwater and Environmental Monitoring System (GEMS) via electronic Turn Around Documents (TADs).

2.4.1 Site Hydrogeology

The existing groundwater monitoring well network consists of 27 monitoring wells. Included are 15 shallow water table observation wells, six shallow to intermediate piezometers, and six deep piezometers. Note that not all of the wells within the network are sampled; the current sampling schedule is shown in Table 1.

Groundwater flow across the monitoring area is south toward the Namekagon River at an average horizontal hydraulic gradient of 0.005 ft/ft. The variability of the groundwater flow direction across the landfill is likely due to influence of the wetland area located west of the landfill. Figure 4, "Groundwater Elevation Contours - 4/4/19" illustrates the groundwater elevation contours for the March 2019 monitoring event. Please note the March 2019 event was conducted during early April 2019 due to snow and access challenges. Table 3, "Groundwater Elevation Table" shows historic and current groundwater elevations at site monitoring wells and piezometers.

A general downward vertical gradient was noted across most of the site. Downward vertical gradient values were generally consistent with previously reported values. The vertical gradient data collected from the well nests collectively indicate that the majority of the monitoring area, including the wetland located west of the landfill, is a groundwater recharge area.

2.4.2 Monitoring Well Groundwater Analytical Results

As indicated on Table 4, "Groundwater Analytical Results - Volatile Organic Compounds VOC constituents were detected in groundwater samples collected from select monitoring wells during 2019. In all cases except as discussed below, detections of VOCs are intermittent and/or below applicable WDNR groundwater quality standards.

During the April 2019 sampling event methylene chloride was detected in groundwater samples collected from all of the sites' groundwater monitoring wells at similar concentrations above the groundwater quality preventive action limit (PAL) established. The trip blank associated with the April 2019 sampling event did not have a detection of methylene chloride, but did have a detection of toluene. Methylene chloride and VOC detections within the trip blank are indicative of VOC vial contamination or lab cross-contamination. Methylene chloride has not been historically detected at any of the monitoring well locations and was not detected in any of the wells sampled during October 2019. Due to the anomalous measurements in April 2019, the PAL exceedances for methylene chloride during the April 2019 event are not include in the groundwater quality status discussions below.

As expected, groundwater VOC levels have rebounded slightly in monitoring wells MW-1 and MW-4, and shallow-depth piezometer PZ-1S since shutdown of the LFG extraction system. These rebounds have been relatively low concentrations when compared to the historical high levels, and appear to be isolated to these adjacent or down gradient wells located within the DMZ.

Currently, no groundwater ES exceedances are found outside the landfill DMZ. Site groundwater monitoring results will continue to be closely tracked to determine if VOC concentrations warrant re-starting of the active LFG collection system.

Tabulated results of current and historic VOC groundwater monitoring data is shown on Table 4. Indicator parameter data measured from site monitoring wells during 2019 monitoring is summarized on Table 5, "Groundwater Analytical Results - Field Parameters."

2.4.2.1 Well Nest MW-1, PZ-1S, and PZ-1D

Monitoring well nest MW-1, PZ-1S, PZ-1D is located immediately down gradient of the landfill limits of waste and within the facility DMZ. The nest consists of a water table observation well (MW-1), shallow piezometer (PZ-1S) and deep piezometer (PZ-1D). Sample collection from PZ-1D was discontinued during 2015 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.

During the April 2019 sampling event, groundwater collected from observation well MW-1, indicated a concentration of vinyl chloride at 0.24 µg/l, which is an exceedance of the Enforcement Standard (ES) established at 0.20 µg/l. Vinyl chloride was not measured above the detection limit in the groundwater sample collected from MW-1 during the October 2019 sampling event. Review of historic groundwater quality data collected from MW-1 indicates that low level vinyl chloride detections were common prior to operation of the LFG extraction system, but had largely subsided except for sporadic low level detections during 2004 and 2005. Since 2005, low level detections of vinyl chloride have been measured during 2017 and 2019, likely correlating with minor rebound from shutting down the LFG extraction system.

During the April 2019 sampling event trichloroethene was measured in the sample collected from PZ-1S at a concentration of 0.18 µg/l, which is below the established PAL of 0.50 µg/l. Trichloroethene was not measured above the detection limit in the groundwater sample collected from MW-1S during the October 2019 sampling event, and prior to April 2019, had not been detected since June 1999. Prior to startup of the LFG extraction system, vinyl chloride was the primary contaminant of concern at PZ-1S, but has not been detected since December 2005.

Groundwater from PZ-1D has not been sampled since November 2014. Groundwater samples collected from PZ-1D between 1995 and 2014 have never indicated at groundwater quality exceedance for VOCs.

2.4.2.2 Monitoring Well MW-4

Monitoring well MW-4 is located within the DMZ and side gradient to the limits of waste. MW-4 has historically contained the highest concentration of VOC contamination of the sites' monitoring wells, especially vinyl chloride. The concentration of vinyl chloride measured in groundwater from MW-4 peaked in 1999 at 36µg/l, but decreased steadily with operation of the LFG collection system. Between September 2010 and September 2017, vinyl chloride was not measured above the laboratory detection limit during any semi-annual monitoring event. Following shut down of the LFG extraction system in 2015, low level detections of vinyl chloride were measured in the samples collected from MW-4 during 2017, 2018 and 2019.

During the April 2019 sampling event, vinyl chloride was detected in groundwater at a concentration of 0.31 µg/l and the duplicate sample at 0.26 µg/l, respectively. During the September 2019 sampling event, similar concentrations of vinyl chloride were detected at MW-4 at 0.28 µg/l and 0.27 µg/l, which are slight exceedances of the ES established for vinyl chloride at 0.2 µg/l. While groundwater contamination appears to have rebounded at MW-4, the rebound appears to be minor with consideration of historic concentrations, and appears to be stable.

2.4.2.3 Well Nest MW-7, PZ-7SR, and PZ-7D

Monitoring well nest MW-7, PZ-7SR, PZ-7D is located down gradient of the landfill limits of waste and outside the facility DMZ. The nest consists of a water table observation well (MW-7), shallow piezometer (PZ-7SR) and deep piezometer (PZ-7D). Sample collection from PZ-7D was discontinued during 2015 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.

Prior to operation of the LFG extraction system, groundwater collected from MW-7 contained ES exceedances for vinyl chloride ranging in concentration from non-detect to 2.1 µg/l. Periodic PAL exceedances for benzene were also intermittently noted in historic samples from MW-7. Semi-annual samples collected from MW-7 indicate vinyl chloride has not been detected since September 2007, and benzene has not been detected since September 2010. No contaminant rebound has been observed in samples collected from MW-7 since the 2015 shutdown of the LFG extraction system.

Groundwater collected from PZ-7SR, like MW-7, has historically contained concentrations of vinyl chloride above the ES and benzene above the PAL. However, vinyl chloride has not been measured in samples from PZ-7SR since September 2005, and benzene has not been detected since September 2008. No contaminant rebound has been observed in samples collected since the 2015 shutdown of the LFG extraction system.

Groundwater from PZ-7D has not been sampled since November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule. Groundwater samples collected from PZ-7D between 1995 and 2014 have not indicated a groundwater quality exceedance for VOCs since June 1999.

2.4.2.4 Remaining Site Monitoring Wells and Piezometers

Following is a summary of the status of site observation monitoring wells and piezometers not included above:

The shallow groundwater monitoring wells (B-4 through B-6) installed within and beneath the limits of waste continue to indicate low to non-detectable concentrations of VOCs. The

concentration of VOCs in B-2 through B-6 has not exceeded PAL concentration limits since 2005. Sample collection from B-2 and B-3R was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.

The remaining site observation monitoring wells include MW-2, MW-3, MW-5, MW-6, MW-8, MW-9 and MW-10. Please note that MW-6, MW-8, MW-9 and MW-10 are the observation wells for nested wells containing a shallow and deep piezometer, which are summarized in the applicable section below. Following is a summary of the above referenced observation wells:

- MW-2 is located located side gradient of the landfill footprint and has not indicated PAL or ES exceedance since 1997. Sporadic low-level VOC detections are well below any applicable groundwater quality standard.
- MW-3 is located located side gradient of the landfill footprint and has not indicated a VOC detection since 2008, and has never contained a PAL or ES exceedance for any VOC.
- MW-5 is located side gradient of the landfill footprint and has never contained a PAL or ES exceedance for any VOC. Sporadic low level VOC detections are well below any applicable groundwater quality standard.
- MW-6 is located side gradient and near the local groundwater recharge area. Several VOCs were detected during the September 2016 groundwater monitoring from monitoring well MW-6 including a PAL exceedance of benzene at a concentration of 3.8 µg/l. VOC detections were not observed from MW-6 during the April 2016 sampling event, nor from historical sampling and sampling conducted since.
- MW-8 is located down/side gradient of the site and outside the DMZ. MW-8 has not indicated a VOC detection since 2007 and no PAL exceedances since 1999. Sample collection from MW-8 was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.
- MW-9 is located down gradient and outside the DMZ. MW-9 has not indicated a VOC groundwater quality exceedance since 2004, or a confirmed VOC detection since 2005.
- MW-10 is the farthest down gradient monitoring well located outside the DMZ. MW-10 has never contained a VOC groundwater quality exceedance and a confirmed VOC detection has not been measured since 2000.

The corresponding shallow-depth piezometers for the above observation wells are PZ-6S, PZ-8S, PZ-9S and PZ-10S and are located next to their respective observation monitoring wells.

- Groundwater from PZ-6S has not contained a VOC detection since 2010 and has never demonstrated a groundwater quality standard exceedance.
- Groundwater from PZ-8S has not contained a VOC detection since 2003 and has not demonstrated a groundwater quality exceedance since 1996. Sample collection from PZ-8S was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.
- Groundwater from PZ-9S has not contained a VOC detection since 2011. Groundwater from PZ-9S has shown a reduction of vinyl chloride from a high of (1.66 µg/l) in March of 2005 to non-detectable levels from April 2011 thru September 2019.
- PZ-10S is located in the vicinity of private wells PW-6 and PW-18. As discussed in Section 2.4.3, private wells PW-6 and PW-18 contain varying concentrations of chloroform. Like private wells PW-6 and PW-18, PZ-10S has indicated intermittent detections of chloroform but never above a PAL concentration limits. Otherwise,

groundwater from PZ-10S has not indicated a VOC detection since 2011 nor a groundwater quality standard exceedance since 1998.

The corresponding deep piezometers for the above observation wells and shallow-depth piezometers are PZ-6D, PZ-8D, PZ-9D and PZ-10D and are located next to their respective observation monitoring wells.

- Groundwater from PZ-6D has not contained a VOC detection since 2000 and has never demonstrated a groundwater quality standard exceedance. Sample collection from PZ-6D was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.
- Groundwater from PZ-8D has not contained a VOC detection and has not demonstrated a groundwater quality exceedance since 1999. Sample collection from PZ-8D was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.
- Groundwater from PZ-9D has not contained a VOC detection since 2006 and has never demonstrated a groundwater quality standard exceedance. Sample collection from PZ-9D was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.
- Groundwater from PZ-10D has not contained a VOC detection and has not demonstrated a groundwater quality exceedance since 2010. Given its proximity to other potential contaminant sources, random VOC detections that do not appear to be associated with the landfill. Sample collection from PZ-10D was discontinued in November 2014 as part of the WDNR's approved shutdown of the active remediation system and revised environmental monitoring schedule.

As expected, groundwater VOC levels have rebounded slightly in monitoring wells MW-1 and MW-4. These rebounds have been relatively low concentrations when compared to the historical high levels. These VOC rebounds are isolated to the wells and have not impacted down or side gradient monitoring wells to date.

Currently, no groundwater ES exceedances are found outside the landfill DMZ. Site groundwater monitoring results will continue to be closely tracked to determine if VOC concentrations warrant re-starting of the active LFG collection system.

Tabulated results of current and historic VOC groundwater monitoring data is shown on Table 4. Indicator parameter data measured from site monitoring wells during 2019 monitoring is summarized on Table 5, "Groundwater Analytical Results - Field Parameters."

2.4.3 Private Well Groundwater Analytical Results

As part of the WDNR's May 21, 2016 letter approval, private well sample collection has been discontinued from all private wells with the exception of three locations. Groundwater analytical VOC data from the private wells where the sampling has been discontinued have historically been non-detect or well below applicable groundwater quality standards.

The three private wells that remain part of the sampling program include PW-6, PW-15, and PW-18. As part of the WDNR's May 21, 2016 letter approval, groundwater samples are currently collected on a semi-annual basis (typically March and September) from these wells. Locations of private wells are shown on Figure 3. Tabulated results of private well groundwater VOC analysis are also shown on Table 4.

During the April and September 2019 events, groundwater samples were not collected from PW-15 as the water was off and arrangements for sampling could not be made with the owner.

Chloroform continued to be detected in groundwater samples collected from private wells PW-6 and PW-18 during 2019. Please note that chloroform has never been detected in groundwater samples collected from the immediate vicinity of the Hayward Landfill. Private wells PW-6 and PW-18 are located near each other on Ogren Road and more than 2,000 feet down gradient of the landfill. Beehive Botanicals and a former WDNR tree nursery are located between the landfill and PW-6/PW-18.

The groundwater samples collected from PW-6 during the April 2019 monitoring event indicated a PAL exceedance for chloroform at a concentration of 3.3 µg/l. During the September 2019 event, groundwater samples collected from PW-6 indicated a PAL exceedance for chloroform at a concentration of 5.0 µg/l. Chloroform has a PAL exceedance of 0.6 µg/l and ES of 6.0 µg/l.

The groundwater samples collected from PW-18 during the April and September 2019 monitoring events indicated PAL exceedances for chloroform at concentrations of 2.7 µg/l and 2.0 µg/l, respectively. Methylene chloride was also detected during the April 2019 sampling event at a concentration of 0.11 µg/l. Methylene chloride was detected during the April 2019 event at most of the groundwater sampling locations and is attributed to lab or vial contamination.

PW-18 has an activated carbon point of use treatment system installed on the potable water supply (sink) due to historic chloroform detections. To confirm sufficient treatment of the point of use system, a post-treatment VOC sample is also collected semi-annually. The groundwater samples collected from PW-18 post-treatment during the April 2019 monitoring event indicated a PAL exceedance for chloroform at a concentration of 0.70 µg/l. During the September 2019 event, groundwater samples collected from PW-18 post-treatment indicated a concentration just below the PAL limit at a concentration of 0.57 µg/l. SEH has recommended to the residence to change the filter every three months to prevent any VOC detections.

3 NR726 Case Closure Request

Methane readings in perimeter gas probes remain at non-detectable concentrations, and concentrations of VOCs in groundwater wells and private wells remain low and consistent with historic results since the active system was shut down in 2015.

Based on the LFG monitoring and groundwater conditions both within and outside the DMZ, SEH recommends continuing to keep the LFG system off and continue with long-term monitoring. Since remaining groundwater contamination is limited to the area within the DMZ, it appears appropriate that the site be closed in the WDNR R&R Program and be transferred to long-term monitoring under the WDNR WMM program. Accordingly, the City requests the WDNR complete the WDNR R&R closure process with no continuing obligations. It is our understanding that the site is include on the Registry of Waste Disposal Sites and is listed in the Solid and Hazardous Waste Information System Database (FID 858011330).

3.1 Long-Term Monitoring Plan

Assuming the WDNR approves closing the project in the R&R program and transitions the project to long-term monitoring in the WMM Program, it is anticipated that much of the existing monitoring infrastructure can be abandoned and the required monitoring frequency and parameter list can be reduced. The WDNR has requested the City provide a proposed long-term

monitoring plan to the WDNR WMM program to guide long-term environmental monitoring. The following sections propose abandonment of select infrastructure and propose a long-term monitoring program. Table 6 “Proposed Site Monitoring Schedule” summarizes the proposed long-term monitoring plan.

3.1.1 Monitoring Infrastructure

With consideration of the current groundwater and LFG monitoring presented above and documented historically, and the requirements of s. NR507.13 Wisconsin Administrative Code, the City proposes to retain the monitoring network for long-term monitoring.

Observation Wells

MW-1	MW-2	MW-3	MW-4	MW-5	MW-7
------	------	------	------	------	------

Shallow-depth Piezometers

PZ-1S	PZ-7SR
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Perimeter Gas Probes

GP-10	GP-11	GP-12
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Passive LFG Vents (formerly LFG Extraction wells)

GE-1	GE-2	GE-3	GE-4	GE-5	GE-6	GE-7
GE-8	GE-9	GE-10	GE-11	GE-12	GE-13	GE-14

The City proposes to retain the LFG collection system and associated infrastructure until data supports abandonment.

The following monitoring points are proposed to be abandoned in accordance with ch. NR141 Wisconsin Administrative Code.

Observation Wells (ABANDON)

MW-6	MW-8	MW-9	MW-10	B-2	B-3R
B-4	B-5	B-6			

Shallow-depth Piezometers (ABANDON)

PZ-6S	PZ-8S	PZ-9S	PZ-10S
-------	-------	-------	--------

Deep Piezometers (ABANDON)

PZ-1D	PZ-6D	PZ-7D	PZ-8D	PZ-9D	PZ-10D
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Perimeter/Interior Gas Probes (ABANDON)

GP-1	GP-2	GP-3	GP-4	GP-5S	GP-5M
GP-5D	GP-6S	GP-6D	GP-7S	GP-7M	GP-7D
GP-8	GP-9				

Note that nested and interior gas probes GP-4, GP-5M, GP-5D, GP-6D, GP-7M, GP-7D, GP-8, and GP-9 are located within the limits of waste and have historically been utilized to determine the remediation system effectiveness. These points do not have DNR Id's and therefore no data was submitted to WIDNR GEMs database.

Lysimeters (ABANDON)

LY-1	LY-2
------	------

Onsite thermo-couple and associated wiring were disconnected early on in the remediation process after monitoring data insured that interior landfill temperatures would not significantly increase the possibility of combustion. Lightning strikes was also an ongoing issue with the thermo-couplers operation and proved to be the reason of their eventual disconnection. The City proposes to abandon all of the thermos couplers, wiring and protective tubes in place.

The City proposes that private well sampling be discontinued. WDNR approved modifications in 2014 to the sampling plan required semi-annual monitoring be performed at PW-6, PW-15 and PW-18. While chloroform continues to be detected in groundwater samples collected from PW-6 and PW-18 it does not appear to be related to contamination resulting from the landfill operations. Chloroform has not been detected at any of the sites groundwater monitoring wells or piezometers located down gradient of the landfill. Intermittent PAL groundwater quality exceedances for 1, 2-Dichloropropane at PW-15 (858) also continue, however levels appear stable and recently, access to the seasonal cottage has been a challenge to arrange.

3.1.2 Proposed Monitoring Schedule and Parameters

The City proposes to conduct environmental monitoring annually during the month of June at the proposed monitoring wells, piezometers and gas probes. Ongoing monitoring of the passive vents is not proposed and reference to the points above is to provide the WDNR a list of the vents in place.

The propose monitoring parameters for observation wells, piezometers and gas probes are summarized on Table 6.

3.1.3 Site Inspection

The landfill property will be inspected routinely by the City. Additionally, on an annual basis during site monitoring activities a formal inspection will be conducted to document any needed maintenance or repairs to the landfill surface or monitoring infrastructure.

3.1.4 Site Maintenance

The City will mow the landfill surface a minimum of twice per year, likely during the months of July and September. As needed, fill will be placed on the landfill surface to repair area of settlement and vegetated.

3.1.5 Reporting

Results of environmental monitoring will be retained and submitted to the WDNR's groundwater and environmental monitoring system (GEMS) database as specified in s. NR507.26 Wisconsin Administrative Code. It is our understanding that preparation and issuance of progress summary reports will no longer be required.

4 Conclusion

Based on site monitoring data, it appears that the historic operation of the remediation system has been effective in removing methane and VOCs from the landfill and limiting contaminant transport to the underlying groundwater. Therefore, the City of Hayward requests that the site be closed in the R&R program and transferred to the WMM program. Ongoing monitoring and reporting will be conducted as specified in Section 3, or as amended upon further discussion and WDNR approval.

5 Standard of Care

The conclusions and recommendations contained in this report were arrived at in accordance with generally accepted professional engineering practice at this time and location. Other than this, no warranty is implied or intended.

MFR/JEG/BLK

Tables

Table 1 – Site Monitoring Schedule

Table 2 – Groundwater Elevation Table

Table 3 – Gas Probe Monitoring Results

Table 4 – Groundwater Analytical Results-Volatile Organic Compounds

Table 5 – Groundwater Analytical Results-Field Parameters

Table 6 – Proposed Monitoring Schedule

**Table 1
Site and System Monitoring Schedule**

Sample Location / Id number	Parameter/Number	Method	Sample Interval	
			Long Term	
Gas Probes GP-1 (870), GP-2 (871), GP-3 (872), GP-10 (879), GP-11 (880), GP-12 (881)	Methane % Volume / 85547	GEM-2000 Meter	SA	March, September
	Carbon Dioxide % Volume / 85544	GEM-2000 Meter	SA	
	Oxygen % Volume/ 85550	GEM-2000 Meter	SA	
	Air Temperature/ 00021	Local Airport	SA	
	Barometric Pressure/ 00025	Local Airport	SA	
	Barometric Pressure trend/ 46381	Local Airport	SA	
Monitoring Wells MW-1 (801), PZ-1S (806), MW-2 (802), MW-4 (804), MW-5 (805), MW-6 (808), PZ-6S (809), MW-7 (811), PZ-7SR (902), PZ-7D (813), MW-9 (817), PZ-9S (818), PZ-10S (821), B-4 (826), B-5 (827), B-6 (828)	Water Elevation	Water Level Indicator	SA	March, September
	pH, Field/ 00400	pH/Temp/Conductance Meter	SA	
	Temperature, Field	pH/Temp/Conductance Meter	SA	
	Specific Conductance, Field/ 00094	pH/Temp/Conductance Meter	SA	
	Color/(2), Odor (1), Turbidity (3)	Visual Observation	SA	
	VOCs/ various numbers	EPA SW846 8260/8021	SA	
Private Wells PW-6 (853), PW-15 (858), PW-18 (PRE)(861), PW-18 (POST) (NO ID)			SA	March, September
	VOCs/ various numbers	VOC 524.2	SA	
Notes:		M = Monthly Q = Quarterly SA = Semi-Annual A = Annual		
Compiled by: MFR_ Checked by: BLK				

**Table 2
Groundwater Elevation Table**

Well Number	Ground Surface Elevation (ft.)	Top of Casing Elevation (ft.)	Top of Screen Elevation (ft.)	Length of Screen (ft.)	Water Table Elevation (ft.)															
					3/13	10/13	4/14	11/14	5/15	10/15	12/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
MW-1	1185.55	1187.91	1172.21	15	1187.91	1187.91	1166.22	1169.67	1167.72	1168.03	--	1168.49	1169.66	1167.87	1168.05	1167.96	1169.23	1168.42	1169.12	
PZ-1S	1185.42	1187.85	1139.85	5	1187.85	1187.85	1165.03	1167.99	1166.25	1166.51	--	1167.01	1164.79	1166.40	1167.15	1166.40	1167.69	1166.86	1167.47	
PZ-1D	1185.41	1187.93	1089.93	5	--	1187.93	--	1168.21	--	--	--	--	--	--	--	--	--	--	--	
MW-2	1197.53	1199.20	1163.4	15	1199.20	1199.20	1165.83	1169.24	1167.32	1167.46	--	1164.68	1170.06	1167.55	1170.03	1167.38	1168.92	1167.99	1183.68	
MW-3	1198.45	1200.20	1179.7	15	1200.20	1200.20	1173.03	1178.38	--	--	--	--	--	--	--	--	--	--	--	
MW-4	1187.14	1188.88	1172.78	15	1188.88	1188.88	1169.30	1174.18	1171.52	1171.45	--	--	1174.06	1173.45	1173.04	1172.14	1173.26	1172.28	1173.21	
MW-5	1178.46	1181.03	1174.03	15	1181.03	1181.03	1166.16	1172.06	1169.94	1169.62	--	1170.82	1172.03	1168.58	1171.19	1170.66	1171.36	1170.46	1171.20	
MW-6	1183.00	1185.11	1173.01	10	1185.11	1185.11	1168.19	1173.34	1170.32	1170.24	--	1171.39	1173.28	1170.60	1171.81	1170.82	1172.41	1171.18	1172.42	
PZ-6S	1182.00	1184.70	1136.4	5	1184.70	1184.70	1168.13	1172.92	1170.27	1170.18	--	1171.25	1172.91	1170.54	1171.66	1170.72	1172.11	1170.98	1172.01	
PZ-6D	1182.00	1184.65	1087.05	5	--	1184.65	--	1172.05	--	--	--	--	--	--	--	--	--	--	--	
MW-7	1197.00	1199.70	1166.6	10	1199.70	1199.70	1163.56	1166.13	1164.69	1164.90	--	1165.49	1166.26	1165.25	1165.89	1164.75	1165.97	1165.26	1165.75	
PZ-7S*	1197.00	1199.67	1141.17	5	--	--	--	1166.30	--	1165.04	--	--	--	--	--	--	--	--	--	
PZ-7SR*	1197.00	1199.65	1143	5	1199.65	1199.65	1163.83	1165.90	1164.72	1164.69	--	1165.58	1166.45	1164.93	1165.70	1164.84	1162.77	1165.39	1165.88	
PZ-7D	1197.00	1199.48	1101.48	5	--	1199.48	--	1166.03	--	--	--	1163.68	1164.87	1163.72	1164.38	1163.23	1162.77	1165.04	1165.51	
MW-8	1187.00	1189.34	1166.19	10	1189.34	1189.34	1163.20	1165.99	--	--	--	--	--	--	--	--	--	--	--	
PZ-8S	1187.00	1189.27	1140.77	5	1189.27	1189.27	1160.57	1165.51	--	--	--	--	--	--	--	--	--	--	--	
PZ-8D	1187.00	1189.30	1090.8	5	--	1189.30	--	1163.08	--	1162.11	--	--	--	--	--	--	--	--	--	
MW-9	1187.00	1189.06	1165.06	10	1189.06	1189.06	1160.97	1162.21	1161.94	1161.33	--	1162.72	1163.19	1162.92	1162.85	1161.87	1162.96	1162.48	1162.83	
PZ-9S	1187.00	1189.25	1169.06	5	1189.25	1189.25	1161.15	1162.05	1161.17	--	--	1161.95	1162.36	1161.35	1162.08	1161.31	1162.12	1161.69	1162.00	
PZ-9D	1187.00	1189.48	1140.75	5	--	1189.48	--	1162.05	--	1158.63	--	--	--	--	--	--	--	--	--	
MW-10	1177.00	1180.05	1090.98	10	1180.05	1180.05	1157.34	1158.37	--	--	--	--	--	--	--	--	--	--	--	
PZ-10S	1177.00	1179.92	1161.25	5	1179.92	1179.92	1157.88	1159.14	1157.43	--	--	1159.07	1154.28	1158.65	1159.21	1158.81	1159.22	1158.83	1159.08	
PZ-10D	1177.00	1179.41	1081.61	5	--	1179.41	--	1158.25	--	--	--	--	--	--	--	--	--	--	--	
B-1	1198.30	1200.63	1178.13	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B-2	1200.18	1203.03	1179.03	4	--	1203.03	--	--	--	--	--	--	--	--	--	--	--	--	--	
B-3*	1197.49	1200.19	1175.69	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
B-3R*	1197.4	1199.9	1174.5	10	1199.90	1199.90	1170.29	1174.70	--	--	--	--	--	--	--	--	--	--	--	
B-4	1189.26	1192.74	1172.24	4	1192.74	1192.74	1168.35	1172.24	--	1169.80	1169.93	1170.49	1172.34	1169.79	1190.94	1170.02	1171.45	1170.35	1171.34	
B-5	1192.99	1195.98	1171.98	4	1195.98	1195.98	1167.61	1171.52	--	1169.49	1169.61	1170.36	1171.56	1169.48	1170.75	1169.39	1170.95	1169.95	1170.78	
B-6	1189.22	1192.46	1171.56	4	1192.46	1192.46	1166.99	1171.14	--	1169.10	1169.18	1169.80	1171.06	1169.15	1170.26	1169.46	1170.51	1169.60	1170.42	
Average Monitoring Well Elevation					1190.05	1190.05	1165.38	1168.96	--	1167.58	--	1167.27	1169.79	1168.03	1168.98	1167.94	1169.16	1168.30	1171.17	

Note: Elevations are in reference to site data

*= PZ-7S was abandoned on September 22, 2002. Replacement well PZ-7SR was constructed on October 10, 2003. B-1 and B-3 was abandoned on May 27, 2005. Replacement well B-3R was constructed on May 27, 2005.

-- = Not available

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[SEH\X\Projects\F\J\H\Haywa\149241\OMM Report 2018 Table2-GW Elevation.xlsx](#)

**Table 3
Gas Probe Monitoring Results**

		Gas Probe Monitoring Parameters				
		Well Head Pressure (H2O)	Barometric pressure	% Methane	% Carbon Dioxide	% Oxygen
GP-1	4/19	0.00	30.2	0.0	2.1	19.0
	9/19	-0.02	28.32	0.0	2.2	18.4
GP-2	4/19	0.01	30.2	0.0	4.6	16.2
	9/19	-0.01	28.32	0.0	4.9	16
GP-3	4/19	0.00	30.2	0.0	3.9	17.6
	9/19	-0.01	28.32	0.0	3.2	17
GP-10	4/19	0.01	30.2	0.0	2.1	19.1
	9/19	0.00	28.32	0.0	4.1	18.7
GP-11	4/19	0.02	30.2	0.0	2.6	18.2
	9/19	0.00	28.32	0.0	3.9	16
GP-12	4/19	0.01	30.2	0.0	3.3	16.4
	9/19	0.00	28.32	0.0	2.2	17.4

--= not sampled

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**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	MW-1																		
			6/94	5/95	7/95	6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	BDL	0.27	0.18	0.38	BDL	0.31	0.35	0.35	0.33	<u>0.69</u>	0.35	0.23	<u>0.78</u>	0.28	BDL	0.16	0.33	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	0.048	BDL	0.076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	0.075	0.041	0.15	BDL	BDL	0.51	0.19	BDL	BDL	BDL	BDL	0.66	0.73	0.24	BDL	0.39	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	0.038	BDL	0.043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.42	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	0.051	BDL	0.1	BDL	BDL	BDL	0.25	0.25	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	1.3	BDL	BDL	0.8	0.63	0.58	0.8	BDL	BDL	0.64	0.47	BDL	0.25	BDL	0.152	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.07	0.068	BDL	BDL	1.9	<u>3.7</u>	<u>3.3</u>	<u>3.4</u>	<u>3.1</u>	<u>3.6</u>	BDL	<u>4.3</u>	2.9	BDL	BDL	BDL	BDL	2.12
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	0.047	BDL	0.062	BDL	BDL	BDL	0.67	BDL	BDL	BDL	BDL	0.52	0.75	0.56	0.44	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	0.96	1.0	1.8	2.1	1.6	1.3	1.3	1.3	1.3	BDL	1.4	1.3	1.5	1.2	1.4	1.3	0.595	0.665
Dichlorodifluoromethane	1000	200	BDL	0.33	0.74	0.85	35.2	10	6.0	7.8	11	10	BDL	0.18	2.1	BDL	0.42	0.69	BDL	1.33	5.33
1,1-Dichloroethane	850	85	BDL	0.16	0.092	0.16	BDL	0.35	0.29	BDL	0.32	0.34	BDL	BDL	BDL	0.21	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	5.0	4.7	3.6	5.8	<u>8.0</u>	3.8	3.3	3.6	3.8	3.3	3.9	2.4	2.9	3.1	2.5	2.2	1.7	0.921	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	0.027	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	0.084	0.076	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	0.18	0.14	0.28	BDL	0.23	0.43	0.4	0.34	0.2	BDL	0.17	0.21	0.54	0.28	0.24	0.33	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	0.082	0.055	0.067	BDL	BDL	BDL	BDL	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	1.0	BDL	BDL	0.11	BDL	BDL	0.47	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22	0.30	BDL	BDL	0.32	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	0.27	<u>0.78</u>	0.13	BDL	BDL	0.24	0.38	BDL	BDL	0.33	BDL	BDL	0.13	0.26	0.42	<u>0.52</u>	BDL	0.267
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	0.043	0.092	0.096	BDL	BDL	BDL	BDL	BDL	0.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	0.036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.35	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	0.081	0.06	0.078	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<u>1.2</u>	BDL
Trichlorofluoromethane	3490	698	BDL	0.19	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.229
Vinyl Chloride	0.2	0.02	BDL	0.41	0.35	0.64	BDL	0.93	0.32	0.28	0.78	0.43	BDL	BDL	0.66	0.5	BDL	<u>0.19</u>	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	0.07	0.143	0.39	BDL	BDL	BDL	BDL	BDL	0.32	BDL	BDL	BDL	0.29	BDL	BDL	0.42	BDL	BDL
Total VOCs	NSE	NSE	7.0	8.159	7.687	12.7	45.3	19.12	18.05	19.15	22.54	20.86	8.18	4.38	15.21	12.4	5.8	5.99	6.51	3.227	8.382

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	MW-1																			
			4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	3.21	2.82	1.12	1.6	BDL	0.607	0.41	BDL	BDL	BDL	BDL	BDL	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	0.751	0.352	BDL	0.398	BDL	BDL	BDL	BDL	0.67	0.45	0.46	0.49	0.53	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	1.66	5.2	4.58	2.81	1.13	1.56	2.54	0.997	BDL	BDL	0.58	BDL	1.4	0.59	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.575	1.5	1.34	3.56	2.35	1.31	1.5	BDL	0.92	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.3*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	0.323	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	0.524	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	0.278	BDL	0.205	0.419	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	6.196	9.872	7.887	8.646	3.480	3.682	4.869	0.997	1.590	0.450	1.040	0.490	2.480	0.590	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																
	ES	PAL	MW-1																
			5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																			
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.16	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.4	1.5	<0.36	<0.36	<0.36	<0.36	2.5	4.4	3.0	3.6
Dichlorodifluoromethane	1000	200	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.5	<1.6
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	0.57
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	5.0	0.5	0.69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	0.54	0.26	<0.20	<0.20	0.24	<0.20	<0.20
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs	NSE	NSE	1.890	BDL	BDL	BDL	BDL	BDL	BDL	2.400	1.500	BDL	0.540	0.260	2.500	4.400	5.900	4.170	

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PZ-1S																			
			5/95	7/95	6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01	4/02	9/02
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	0.064	0.13	0.78	0.9	0.64	0.94	0.92	0.87	1.4	1.1	0.91	1.5	0.98	0.53	0.92	1.1	0.851	0.895	1.02	0.75
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.51	0.25	0.23	0.46	BDL	BDL	0.8	0.65	0.28	BDL	BDL	BDL	BDL	--
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.13	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	2.7	1.8	0.84	1.6	1.3	1.8	1.7	BDL	BDL	1.6	1.4	1.3	1.2	0.85	0.573	0.848	BDL	0.668
Chloroform	6.0	0.6	0.037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.12	0.12	BDL	BDL	2.7	3.2	2.5	2.8	3.0	3.3	BDL	4.8	3.3	BDL	BDL	1.8	BDL	6.25	7.41	5.46
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38	BDL	0.30	0.20	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.4	0.31	0.21	0.24	0.34	BDL	BDL	0.45	0.39	0.29	0.21	0.42	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	20.6	11	6.4	7.2	13	15	BDL	BDL	2.8	BDL	BDL	BDL	BDL	BDL	11	7.34	12
1,1-Dichloroethane	850	85	0.093	0.29	0.57	BDL	BDL	0.22	BDL	0.64	0.54	BDL	0.4	0.31	0.43	BDL	0.36	0.24	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	0.033	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.23	0.83	1.9	3.7	2.6	1.8	1.3	1.9	1.7	1.8	0.71	0.89	0.88	1.5	1.0	0.73	BDL	0.982	0.441	0.753
trans-1,2-Dichloroethylene	100	20	BDL	BDL	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	0.046	0.074	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	0.027	0.034	0.27	BDL	BDL	0.31	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.047	0.06	0.083	BDL	BDL	BDL	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.076	0.075	0.1	BDL	BDL	0.5	1.2	1.2	1.2	BDL	0.32	0.83	0.42	0.39	BDL	0.71	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37	BDL	BDL	--	--
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.067	0.1	0.05	BDL	BDL	BDL	0.26	BDL	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.15	BDL	BDL	BDL	BDL	BDL	--
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.053	0.035	0.11	BDL	0.45	0.54	0.4	0.36	0.49	BDL	BDL	0.64	0.52	0.2	BDL	BDL	BDL	BDL	--	--
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.29	0.35	0.28	0.24	BDL	BDL	BDL	0.24	0.27	BDL	BDL	BDL	BDL	BDL	--	--
Trichloroethene	5.0	0.5	0.027	0.061	0.13	BDL	BDL	0.35	0.18	0.2	0.59	BDL	BDL	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	0.048	0.13	0.38	BDL	1.5	0.3	0.24	0.79	0.51	0.39	BDL	0.59	0.44	BDL	0.35	BDL	BDL	BDL	2.0	1.42
Total Xylenes	10000	1000	0.164	0.172	1.0	BDL	1.46	1.81	1.84	1.77	2.43	1.5	BDL	1.5	1.28	0.82	0.44	0.80	0.439	0.658	BDL	BDL
Total VOCs	NSE	NSE	1.053	2.116	8.176	27.0	21.88	19.14	18.33	26.38	29.76	8.09	2.34	18.16	10.96	5.89	4.68	7.02	1.863	20.63	18.221	21.051

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PZ-1S																			
			4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	0.644	0.497	0.403	0.41	0.353	0.326	0.37	BDL	0.24	0.43	0.31	0.24	0.23	0.27	0.20	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	0.548	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	2.66	2.96	2.25	0.926	0.624	0.57	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	0.22	0.22	BDL	0.35	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	9.95	2.08	2.05	1.3	1.77	1.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	0.411	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.375	0.483	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	--	--	--	--	--	--	--	3.2*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	1.0	0.688	BDL	0.505	0.326	0.451	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	14.620	7.667	4.703	3.141	3.073	2.687	0.590	0.220	0.24	1.49	1.07	0.24	0.23	0.27	0.20	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date														
	ES	PAL	PZ-1S														
			3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (ug/l)																	
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.16	<0.15
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.5	<1.6
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	0.18	<0.16
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.84	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PZ-1D																				
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	11/14
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	0.16	0.023	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	0.043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.089	0.086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	0.049	0.033	0.028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.027	0.025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.072	0.077	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.069	0.11	0.055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.35	0.082	0.15	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.035	0.041	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.141	0.07	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	1.035	0.547	0.375	BDL	0.25	0.25	0.31	BDL	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	MW-2																		
			6/94	5/95	7/95	6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	BDL	0.027	0.074	0.024	BDL	0.24	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38	0.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.42	0.21	0.22	0.2	BDL	BDL	BDL	0.25	0.27	0.12	BDL	0.26	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	0.23	0.24	0.31	10.1	BDL	BDL	BDL	0.34	0.64	BDL	BDL	0.59	0.44	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	0.05	0.15	0.062	BDL	BDL	0.41	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	0.045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	2.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.3	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	0.046	0.058	0.064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	0.065	0.052	0.04	BDL	BDL	BDL	BDL	BDL	0.41	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.34	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.27	BDL	BDL	BDL	BDL	BDL	0.24	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	0.026	0.032	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	0.092	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	0.11	BDL	BDL	BDL	0.52	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	0.093	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	2.0	0.797	0.651	0.54	10.1	1.18	1.07	0.22	0.54	2.05	0.35	BDL	1.08	1.05	0.45	BDL	1.56	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	MW-2																			
			4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.66	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	0.547	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.547	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.320	BDL	0.55	0.66	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	MW-2															
			5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCS¹ (µg/l)																		
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	2.3	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	BDL	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	BDL	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.8	0.75	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	0.17	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.65	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.65	BDL	0.80	0.75	BDL	BDL	BDL	2.47	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	MW-3																			
			6/94	5/95	7/95	6/96	6/97	6/98	6/99	6/00	3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	0.23	0.024	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8*
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26	BDL	BDL	--	--	--	--	--	--	--	--	--	--
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	0.31	0.028	0.04	BDL	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.4	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	0.62	0.074	0.04	BDL	BDL	BDL	1.34	0.89	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	MW-3															
			4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14
VOCS¹ (µg/l)																		
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	BDL	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	MW-4																		
			6/94	5/95	7/95	6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	<u>3.0</u>	0.2	<u>1.9</u>	<u>1.8</u>	BDL	<u>2.7</u>	<u>2.7</u>	<u>2.5</u>	<u>2.0</u>	<u>2.5</u>	<u>2.3</u>	<u>2.4</u>	<u>2.6</u>	<u>1.1</u>	<u>0.82</u>	<u>1.3</u>	<u>1.4</u>	<u>1.16</u>	<u>0.968</u>
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<u>4.2</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	1.5	1.4	1.2	0.95	0.95	BDL	BDL	0.84	0.22	BDL	0.33	0.72	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	0.058	0.051	BDL	1.3	1.6	1.1	0.68	1.0	BDL	BDL	1.3	0.78	0.50	BDL	0.43	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	0.076	BDL	BDL	0.64	BDL	0.6	BDL	BDL	BDL	0.63	0.29	BDL	BDL	0.39	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	0.18	0.21	BDL	BDL	0.78	0.69	0.59	0.74	BDL	BDL	1.2	0.56	0.66	0.61	0.77	0.386	0.45
Chloroethane	400	80	BDL	BDL	2.0	1.5	BDL	2.3	3.4	2.6	2.4	2.4	BDL	3.1	2.5	1.1	0.80	1.0	0.84	0.846	0.309
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.091	0.05	BDL	BDL	2.0	<u>4.5</u>	<u>3.0</u>	<u>3.0</u>	0.67	<u>3.3</u>	BDL	<u>6.1</u>	1.6	BDL	BDL	1.7	BDL	2.24
2-Chlorotoluene	NSE	NSE	BDL	BDL	0.27	0.38	BDL	0.44	0.44	0.35	0.25	1.7	BDL	BDL	0.24	0.26	0.14	BDL	1.1	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	0.035	0.34	0.3	BDL	2.3	2.2	1.9	1.5	1.7	BDL	BDL	2.0	0.85	1.1	1.3	1.4	0.164	BDL
1,4-Dichlorobenzene	75	15	BDL	0.39	2.8	2.4	BDL	5.5	5.3	4.7	3.9	5.1	BDL	4.6	4.6	1.9	2.8	3.7	3.6	1.81	2.58
Dichlorodifluoromethane	1000	200	BDL	0.22	0.48	0.55	BDL	13	8.9	9.8	15	14	BDL	1.2	2.5	BDL	BDL	BDL	BDL	BDL	5.8
1,1-Dichloroethane	850	85	BDL	0.12	0.53	0.4	BDL	0.64	1.1	0.6	1.1	1.0	BDL	BDL	1.1	BDL	0.27	0.88	0.87	0.814	0.724
1,2-Dichloroethane	5.0	0.5	BDL	BDL	0.045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	<u>46</u>	4.2	<u>23</u>	<u>12</u>	BDL	2.2	5.4	<u>8.8</u>	<u>11</u>	<u>7.0</u>	<u>9.2</u>	<u>8.6</u>	<u>7.8</u>	2.4	4.5	3.8	4.4	<u>8.9</u>	4.86
trans-1,2-Dichloroethylene	100	20	BDL	BDL	0.047	0.03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	0.091	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	16	0.38	5.1	8.0	BDL	12	8.5	3.2	3.8	6.9	BDL	7.1	8.3	2.8	2.1	1.4	2.9	1.04	0.547
Isopropylbenzene	NSE	NSE	3.0	0.19	1.8	1.5	BDL	1.9	2.1	1.5	1.1	1.3	BDL	1.2	1.4	0.57	0.58	0.48	0.71	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	0.072	0.1	BDL	1.0	2.7	BDL	BDL	0.97	BDL	BDL	0.82	0.29	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	0.98	0.59	BDL	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	0.053	0.35	0.14	BDL	BDL	BDL	BDL	<u>0.55</u>	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	3.0	0.13	1.5	1.4	BDL	4.4	3.5	3.5	2.5	3.0	BDL	2.5	2.9	1.7	2.0	1.7	1.4	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	0.18	0.23	BDL	0.74	0.7	0.37	0.28	0.6	BDL	BDL	0.69	0.37	BDL	BDL	0.38	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.89	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	0.18	BDL	0.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	34	0.084	1.1	1.5	BDL	4.7	5.3	3.1	1.7	3.4	BDL	4.1	4.7	2.0	BDL	0.88	1.6	1.0	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	3.0	0.062	1.3	1.8	BDL	3.3	3.0	1.8	1.7	2.6	BDL	BDL	BDL	BDL	0.15	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.0	4.3	2.0	2.0	1.1	1.8	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	0.41	0.69	BDL	1.6	1.5	1.0	0.81	0.93	BDL	1.5	1.9	0.92	0.83	0.58	0.86	BDL	BDL
Trichloroethene	5.0	0.5	BDL	0.062	0.38	0.15	BDL	BDL	BDL	0.21	0.19	<u>0.67</u>	BDL	BDL	BDL	BDL	BDL	0.24	<u>0.59</u>	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	6.0	1.2	18	19	29.3	35	31	30	27	31	BDL	36	34	17	20	19	19	16.7	18.6
Total Xylenes	10000	1000	31	0.366	6.3	15.6	BDL	21.9	19.7	10.9	7.5	19.2	BDL	30	34	15.3	14.7	5.8	10.8	1.961	0.293
Total VOCs	NSE	NSE	145.00	7.963	68.283	70.047	29.3	120.42	116.85	92.82	95.28	110.29	14.80	107.19	126.64	54.01	53.95	44.10	57.96	34.78	37.37

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																					
			MW-4																					
	ES	PAL	4/02	9/02	4/03	9/03	4/04	9/04	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	9/12
VOCs ¹ (µg/l)																						Duplicate		
Benzene	5.0	0.5	0.942	0.699	0.318	BDL	0.41	0.346	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	0.462	0.447	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	2.67	2.59	0.408	0.521	0.968	0.662	0.512	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	2.65	2.58	0.62	1.01	1.06	1.12	0.853	1.2	1.1	0.98	0.89	1.0	1.0	1.0	0.9	0.76	0.68	0.75	0.68	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	5.68	5.85	2.06	0.483	3.54	0.94	1.88	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.848	0.654	0.527	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	5.66	8.74	0.683	1.16	6.8	2.64	2.61	1.8	1.0	0.72	0.76	0.74	0.55	0.62	0.65	0.55	BDL	BDL	BDL	BDL	0.58	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	0.772	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.507	BDL	0.718	BDL	0.327	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	8.13	11	2.02	1.68	6.01	3.4	2.35	2.3	0.99	0.8	0.58	0.82	0.55	BDL	0.43	0.34	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.577	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	28.898	32.560	7.354	4.854	19.115	9.108	8.205	5.520	3.090	2.50	2.48	2.56	2.35	1.59	1.97	1.65	0.68	0.75	0.68	0.61	0.58	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	MW-4																	
			3/13	3/13	10/13	4/14	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	4/19	9/19	9/19
VOCs ¹ (µg/l)				Duplicate			Duplicate										Duplicate		Duplicate	
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.38	0.35	0.33
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	0.6	<0.39	0.81	1.2	1.1	1.3	1.3
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	2.9	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	1.8	<0.36	2.1	2.2	2.2	2.5	2.5
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	0.56	0.55	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	1.4	0.71	2.1	<0.41	2.2	2.2	2.2	2.4	2.3
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	9.0	<1.6	<1.6	<u>2.4</u>	<u>2.4</u>	<1.6	<1.6
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	0.43	<0.15	<0.15	0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	0.51	<0.20	0.61	0.31	0.28	0.26	0.27
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs	NSE	NSE	0.56	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.400	0.710	16.910	0.430	5.720	8.310	8.710	6.810	6.700

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																							
			MW-6																							
	ES	PAL	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19		
VOCs¹ (µg/l)																										
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	3.8	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	7.0	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	4.6	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	0.52 (J)	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	5.9	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	1.9	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.5	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	2.2	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	0.75	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	2.5	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	0.74 (J)	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	31	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	8.00	BDL	BDL	BDL	59.65	BDL	BDL	BDL	BDL	BDL	BDL	2.50	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PZ-6D																				
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	11/14
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.17	0.062	0.036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.4*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.3
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.38	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.073	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.14	0.022	0.025	BDL	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.383	0.124	0.061	BDL	BDL	0.21	1.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.300

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	MW-7																		
			5/95	7/95	2/96	3/96	6/96	9/96	12/96	3/97	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	0.26	0.15	BDL	BDL	0.28	0.23	<u>1.0</u>	BDL	BDL	0.34	0.35	0.39	0.39	<u>0.73</u>	0.43	0.29	<u>0.87</u>	0.28	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<u>4.2</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.59	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	0.041	BDL	BDL	BDL	0.065	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19
Chloroethane	400	80	BDL	BDL	1.7	1.4	BDL	BDL	0.89	0.86	BDL	0.14	0.88	0.99	0.96	1.0	BDL	1.2	1.1	0.84	0.61
Chloroform	6.0	0.6	0.049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.095	0.075	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.61	1.2	1.8	2.3	0.86	2.8	BDL	<u>4.5</u>	2.5	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.12	0.11	BDL	BDL	BDL	0.38	0.22	0.18	0.24	0.24	BDL	BDL	0.31	0.30	0.21
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	15.6	9.4	4.6	7.2	12	9.8	BDL	0.36	2.8	BDL	BDL
1,1-Dichloroethane	850	85	0.41	0.24	BDL	BDL	0.39	0.34	0.54	BDL	BDL	BDL	BDL	BDL	0.54	0.42	BDL	BDL	0.31	0.44	BDL
1,2-Dichloroethane	5.0	0.5	0.039	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	3.2	2.2	4.6	4.9	4.1	3.6	3.1	3.6	5.0	4.4	3.4	4.0	4.6	3.3	4.0	2.9	3.5	3.1	3.4
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	0.045	BDL	BDL	BDL	0.053	0.058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.61	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.072	0.078	BDL	BDL	0.064	0.058	BDL	BDL	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.51	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.063	0.064	BDL	BDL	0.065	0.055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.094	0.071	BDL	BDL	0.064	0.031	BDL	BDL	BDL	BDL	0.31	BDL	0.27	0.4	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.35
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.088	0.062	BDL	BDL	0.087	0.088	BDL	BDL	BDL	BDL	0.31	0.24	0.2	BDL	0.24	0.12	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	<u>0.19</u>	BDL	BDL	BDL	0.24	0.23	0.65	0.59	1.1	1.6	0.31	0.67	1.1	BDL	0.48	BDL	0.92	0.71	<u>0.17</u>
Total Xylenes	10000	1000	0.063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	0.3	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	5.019	2.94	6.3	6.3	5.578	4.85	20.18	5.05	21.7	21.07	15.04	15.47	22.93	17.05	7.95	4.87	14.9	8.52	4.72

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	MW-7																			
			3/00	6/00	9/01	4/02	9/02	4/03	9/03	4/04	9/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	0.28	0.37	0.328	0.492	BDL	BDL	BDL	BDL	BDL	BDL	0.338	BDL	0.26	0.27	BDL	BDL	0.22	0.25	0.22	0.21
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	0.91	0.90	BDL	BDL	BDL	BDL	0.496	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.12	2.98	<u>5.41</u>	2.98	2.35	1.97	1.09	0.999	0.999	0.721	0.573	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	0.24	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	0.25	0.28	6.49	12.1	7.45	10.3	1.16	3.85	1.32	1.32	3.15	2.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.37	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	3.1	3.1	2.2	1.73	1.74	1.39	1.34	0.886	1.01	1.01	0.746	0.74	0.75	BDL	0.65	0.72	BDL	0.6	0.55	0.63
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1*	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	0.522	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	0.66	0.61	0.513	1.2	1.14	2.10	1.04	1.30	0.885	0.885	1.51	0.695	BDL	0.29	BDL	0.21	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	5.81	5.91	12.51	20.932	13.310	16.662	6.006	7.126	4.214	4.214	6.465	4.058	1.010	0.560	0.65	0.93	0.22	0.85	0.77	0.84

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
			MW-7																			
			4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19
VOCs¹ (µg/l)	ES	PAL																				
Benzene	5.0	0.5	BDL	0.21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	0.50	0.52	BDL	BDL	0.78 (J)	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.6	BDL	<1.6	12	<1.6	<1.6	<1.6	<1.6	2.3	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	0.50	0.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.60	BDL	BDL	12.000	BDL	BDL	BDL	BDL	2.300	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PZ-7S (Abandoned 9/02)																	
			5/95	7/95	2/96	3/96	6/96	9/96	12/96	3/97	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	3/01
VOCs¹ (µg/l)																				
Benzene	5.0	0.5	0.44	0.48	0.9	0.9	0.7	0.58	1.4	0.6	0.7	0.51	0.75	0.79	0.74	1.3	1.0	0.97	1.5	0.539
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.176
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.77
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	0.28	0.26	0.41	BDL	BDL	BDL	0.73
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.66
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	2.1	2.0	BDL	BDL	BDL	1.2	1.4	0.36	1.5	1.4	1.7	1.8	BDL	2.0	1.9	0.3
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.063	0.11	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.68	2.6	2.6	3.2	3.3	4.2	BDL	7.5	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.42
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18	0.2	0.17	0.23	BDL	BDL	BDL	0.41
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	13	BDL	12.2	8.7	6.8	8.2	14	16	BDL	0.3	3.1	BDL
1,1-Dichloroethane	850	85	0.38	0.48	BDL	BDL	0.53	0.42	0.68	BDL	BDL	BDL	0.15	BDL	0.52	0.45	BDL	BDL	0.19	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	1.4	1.7	2.8	2.9	2.5	1.9	2.2	2.0	2.4	1.4	2.2	1.9	2.2	2.4	2.5	1.7	1.8	0.969
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	0.051	0.055	BDL	BDL	0.073	0.072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	0.054	0.04	BDL	BDL	0.029	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	0.21	0.25	BDL	BDL	0.43	0.35	1.4	0.41	BDL	0.42	0.61	0.62	0.5	0.48	BDL	0.43	0.39	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.073	0.099	BDL	BDL	0.082	0.057	BDL	BDL	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.097	0.084	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.1	BDL	0.26	0.71	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL	0.26	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.21	0.13	BDL	BDL	0.041	0.023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.086	0.068	BDL	BDL	0.039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	0.49	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL
Trichloroethene	5.0	0.5	0.08	0.086	BDL	BDL	0.12	0.1	BDL	BDL	BDL	BDL	BDL	0.18	BDL	BDL	0.28	0.15	0.21	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	0.17	0.26	BDL	BDL	0.23	0.22	0.82	0.37	1.0	1.1	BDL	0.35	0.8	0.59	0.52	BDL	0.76	0.16
Total Xylenes	10000	1000	0.48	0.42	BDL	BDL	0.36	0.31	3.3	0.75	BDL	0.66	BDL	0.58	0.64	1.05	0.48	0.66	0.59	BDL
Total VOCs	NSE	NSE	3.794	4.262	5.8	5.8	5.134	4.032	22.8	5.33	17.7	13.83	15.29	17.1	25.06	30.26	8.98	6.47	22.60	2.11

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																
	ES	PAL	PZ-7SR																
			11/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11
VOCs¹ (µg/l)																			
Benzene	5.0	0.5	0.415	0.328	0.37	BDL	BDL	0.29	0.28	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	1.26	0.776	0.724	0.396	0.795	BDL	BDL	BDL	BDL	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	3.8	2.58	0.989	1.33	1.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.821	0.426	0.713	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	3.5*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	0.309	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	1.22	0.993	0.694	0.399	0.614	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	8.06	5.10	3.49	2.13	2.97	0.29	0.49	BDL	0.27	0.540	0.25	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																
	ES	PAL	PZ-7SR																
			5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	4/16	9/16	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																			
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	12	<1.6	<1.6	<1.6	<1.6	<u>2.6</u>	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.000	BDL	BDL	BDL	BDL	BDL	2.600	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	PZ-7D															
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09
VOCs¹ (µg/l)																		
Benzene	5.0	0.5	0.027	0.29	0.34	BDL	0.31	<u>0.86</u>	0.26	0.217	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	<u>1.2</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	1.3	1.6	2.2	2.5	1.7	2.1	1.3	0.796	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.068	0.058	BDL	BDL	2.5	<u>6.2</u>	BDL	<u>6.1</u>	2.77	BDL	0.767	0.427	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	23	12	2.9	BDL	8.82	4.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.018	0.21	0.22	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	0.042	0.061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.085	0.73	0.68	BDL	0.59	0.48	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	0.036	0.041	0.041	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	0.033	0.024	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.11	0.14	0.12	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.9*	BDL	BDL	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.24	0.21	0.091	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	--	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	--	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.039	0.04	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	--	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	--	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	0.52	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.061	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	2.026	3.413	3.716	25.5	17.78	14.44	1.8	15.9	6.970	BDL	0.767	0.427	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	PZ-7D															
			10/09	9/10	9/11	9/12	10/13	11/14	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																		
Benzene	5.0	0.5	BDL	0.36	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	12	<1.6	<1.6	<1.6	<u>1.8</u>	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.000	BDL	BDL	BDL	BDL	1.800	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																						
	ES	PAL	MW-8																						
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08
VOCs¹ (µg/l)																									
Benzene	5.0	0.5	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.065	0.085	0.061	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	0.068	0.037	BDL	BDL	BDL	0.58	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.51	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.046	0.026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.3*	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.026	0.024	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.641	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.39	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	0.39	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.205	0.172	0.341	BDL	BDL	3.19	BDL	BDL	BDL	BDL	BDL	0.641	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date													
	ES	PAL	MW-8													
			4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14		
VOCs¹ (µg/l)																
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PZ-8S																	
			5/95	7/95	2/96	3/96	6/96	9/96	12/96	3/97	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	0.033	BDL	BDL	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	4.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.58	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.092	0.1	BDL	BDL	0.044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.24	0.25
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.28	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.54	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.042	0.055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.06	0.072	BDL	BDL	0.057	0.021	BDL	BDL	BDL	BDL	BDL	0.25	BDL	0.35	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	0.055	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.194	0.315	BDL	BDL	4.323	0.021	BDL	BDL	BDL	BDL	BDL	0.25	1.16	0.56	BDL	BDL	0.78	0.61

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PZ-8S																	
			12/99	3/00	6/00	3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	0.13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4.1*	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.502	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	--	--	--	--	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	--	--	--	--	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	--	--	--	--	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	BDL	--	--	--	--	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	BDL	0.13	BDL	BDL	BDL	BDL	BDL	0.502	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date													
	ES	PAL	PZ-8S													
			9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	
VOCs¹ (µg/l)																
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																					
	ES	PAL	PZ-8D																					
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	4/10	9/10	9/11	9/12	10/13	11/14
VOCs¹ (µg/l)																								
Benzene	5.0	0.5	0.026	0.024	0.029	BDL	BDL	0.59	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.36	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.08	0.046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	0.69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.048	0.044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	0.73	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.092	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	0.027	0.1	BDL	BDL	0.46	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.45	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	0.081	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.246	0.141	0.21	BDL	BDL	4.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
			MW-9																	
	ES	PAL	5/95	7/95	6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	0.052	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.058	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2	0.6	BDL	1.1	BDL	BDL	BDL	BDL	0.12	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	0.24	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	1.2	BDL	0.93	1.7	2.1	BDL	BDL	0.97	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.021	BDL	0.042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	0.051	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	0.034	0.04	BDL	BDL	BDL	0.3	BDL	0.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	0.097	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.131	0.074	0.23	BDL	1.2	BDL	1.23	1.7	3.67	0.6	0.26	2.74	0.57	BDL	BDL	0.12	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	MW-9															
			4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09
VOCs¹ (µg/l)																		
Benzene	5.0	0.5	<u>0.568</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	<u>5.52</u>	0.675	BDL	BDL	0.932	BDL	BDL	0.522	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	14.1	0.603	0.608	BDL	3.26	BDL	0.738	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	2.08	BDL	BDL	BDL	0.911	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.7*	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	0.366	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	1.19	BDL	BDL	BDL	1.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	23.458	1.278	0.608	BDL	6.143	BDL	1.104	0.522	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	MW-9																				
			4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	13	<1.6	<1.6	<1.6	<1.6	<u>1.9</u>	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.000	BDL	BDL	BDL	BDL	BDL	1.900	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PZ-9S																				
			5/95	7/95	2/96	3/96	6/96	9/96	12/96	3/97	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	0.079	0.4	BDL	BDL	0.48	0.38	<u>1.2</u>	0.37	BDL	0.41	<u>0.5</u>	0.46	0.44	<u>0.91</u>	<u>0.51</u>	0.42	<u>0.93</u>	0.49	BDL	0.46	<u>0.5</u>
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	<u>4.2</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.59	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.12	BDL
Chloroethane	400	80	BDL	1.4	1.5	1.3	BDL	1.4	1.2	0.9	BDL	0.15	1.1	0.8	0.85	1.0	BDL	BDL	1.1	0.86	0.5	0.92	1.0
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.12	0.088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.0	0.82	1.4	0.32	2.0	BDL	<u>3.7</u>	2.3	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	0.22	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	14	BDL	BDL	5.6	3.1	3.7	6.8	7.9	BDL	BDL	2.8	BDL	BDL	0.22	BDL
1,1-Dichloroethane	850	85	0.37	0.52	BDL	BDL	0.53	0.47	0.68	BDL	BDL	BDL	BDL	BDL	0.47	0.47	BDL	0.31	0.21	0.36	BDL	0.32	0.34
1,2-Dichloroethane	5.0	0.5	0.036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	1.5	2.6	2.9	2.9	2.6	2.5	2.5	2.4	BDL	1.9	2.0	1.4	2.0	2.2	2.2	1.6	1.7	2.0	2.1	2.1	2.1
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	0.042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	0.043	BDL	BDL	BDL	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.088	0.085	BDL	BDL	0.058	0.059	0.28	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.69	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.083	0.05	BDL	BDL	0.036	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.44	BDL	BDL	0.43	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.054	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.45	0.35	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.03	0.039	BDL	BDL	0.037	0.034	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	<u>0.18</u>	0.24	BDL	BDL	0.22	0.24	0.53	0.36	BDL	BDL	BDL	BDL	0.59	0.42	0.29	BDL	0.79	0.57	BDL	0.43	0.32
Total Xylenes	10000	1000	0.069	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.35	BDL	BDL	BDL	0.24	BDL	BDL	BDL
Total VOCs	NSE	NSE	6.809	5.465	4.4	4.2	4.003	5.143	20.39	4.03	BDL	8.06	7.70	7.18	12.85	14.2	5.0	2.33	13.56	7.39	2.72	4.45	4.26

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PZ-9S																			
			3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	0.411	0.43	BDL	0.352	0.413	0.315	BDL	0.325	0.419	BDL	0.33	0.34	BDL	0.31	BDL	0.32	0.23	0.29	0.24	0.26
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	0.5	BDL	BDL	BDL	BDL	0.627	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	0.76	1.06	2.13	2.23	1.81	BDL	0.903	0.956	0.992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	3.67	2.35	5.26	10.6	2.92	BDL	1.55	4.81	3.45	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	1.43	BDL	1.77	1.55	1.35	BDL	1.35	1.24	1.11	1.2	1.0	0.96	0.94	0.84	0.9	0.73	0.88	0.66	0.76
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	1.02	BDL	BDL	BDL	0.337	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	<u>0.197</u>	0.33	BDL	0.495	0.956	0.714	BDL	1.38	1.66	1.55	1.3	0.81	0.65	0.63	BDL	0.56	0.28	BDL	0.29	0.31
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	1.08	6.62	3.410	10.007	16.769	7.736	BDL	5.508	9.422	7.102	2.830	2.150	1.61	1.88	0.84	1.78	1.24	1.17	1.19	1.33

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PZ-9S																			
			4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	5/15	10/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19		
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	0.21	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
cis-1,2-Dichloroethylene	70	7.0	0.62	0.60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	<u>2.0</u>	<1.6	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	0.83	0.82	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.000	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																						
	ES	PAL	PZ-9D																						
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	4/08	9/08	10/09	9/10	9/11	9/12	10/13	11/14	
VOCs¹ (µg/l)																									
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.078	0.059	BDL	BDL	BDL	BDL	0.15	BDL	BDL	BDL	BDL	0.538	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	1.1	0.65	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	0.041	0.043	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.034	0.078	0.038	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.054	0.037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	0.088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.25	BDL	0.035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.416	0.303	0.116	BDL	1.1	1.39	0.15	BDL	BDL	BDL	BDL	0.538	0.250	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	MW-10																				
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	BDL	0.023	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL
Chloromethane	30	3.0	0.079	0.054	BDL	BDL	BDL	1.2	0.42	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.486	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	2.3	2.1	0.88	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	0.021	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.042	0.035	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1*	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL
Tetrachloroethene	5.0	0.5	0.1	0.083	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.027	0.038	0.025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.307	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	--	--	--	--	--	--	--	--	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.248	0.233	0.166	2.3	2.1	2.31	0.42	BDL	BDL	BDL	BDL	BDL	BDL	0.307	BDL	BDL	0.486	0.220	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date														
	ES	PAL	MW-10														
			4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	10/15
VOCs¹ (µg/l)																	
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.7	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.26	BDL	BDL	BDL	BDL	BDL	7.70	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																					
	ES	PAL	PZ-10S																					
			5/95	7/95	2/96	3/96	6/96	9/96	12/96	3/97	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	
VOCs¹ (µg/l)																								
Benzene	5.0	0.5	0.02	0.044	BDL	BDL	0.028	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.35	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.011	0.1	BDL	BDL	0.063	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.38	0.34	BDL	BDL	BDL	BDL	BDL	BDL	0.2
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	0.032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.18	0.21	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	0.051	0.051	BDL	BDL	0.041	BDL	0.41	BDL	BDL	BDL	BDL	0.35	0.97	0.67	BDL	BDL	0.57	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	0.032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.044	0.049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.066	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.66	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.13	0.12	BDL	BDL	0.16	0.17	BDL	BDL	BDL	BDL	0.39	0.38	<u>0.55</u>	0.38	BDL	BDL	0.14	0.22	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.072	0.095	BDL	BDL	0.13	0.04	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	0.43	0.22	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.039	0.035	BDL	BDL	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.42	0.39	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.055	0.058	BDL	BDL	0.076	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.488	0.616	BDL	BDL	0.538	0.21	0.41	BDL	BDL	BDL	0.22	0.99	1.35	1.97	0.72	BDL	2.61	1.68	0.22	BDL	0.20	

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																							
	ES	PAL	PZ-10S																							
			3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11		
VOCs¹ (µg/l)																										
Benzene	5.0	0.5	0.198	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
n-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
sec-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
tert-Butylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36	0.28	0.35
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2-Chlorotoluene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Isopropylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
p-Isopropyltoluene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
n-Propylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	0.444	BDL	BDL	0.725	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total VOCs	NSE	NSE	0.642	BDL	BDL	0.725	BDL	BDL	BDL	BDL	BDL	BDL	0.310	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36	0.28	0.35

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date														
	ES	PAL	PZ-10S														
			5/12	9/12	3/13	10/13	4/14	11/14	5/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19
VOCS¹ (µg/l)																	
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	0.57	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	7.9	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	1.8
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	8.47	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.800

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PZ-10D																				
			5/95	7/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	11/14
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	0.025	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	<u>1.0</u>	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.46	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.088	0.052	0.033	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	0.53	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.5	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.034	0.03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.6*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.6
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.076	BDL	BDL	BDL	BDL	0.63	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.072	BDL	0.022	BDL	BDL	0.49	BDL	BDL	BDL	BDL	BDL	BDL	0.39	0.58	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.044	BDL	BDL	BDL	BDL	0.41	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.064	BDL	BDL	BDL	BDL	BDL	0.43	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.403	0.082	0.055	BDL	0.46	2.78	0.62	BDL	BDL	BDL	BDL	BDL	0.390	0.79	BDL	BDL	1.000	BDL	BDL	BDL	7.600

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date							
	ES	PAL	B-1 (Abandoned 5/05)							
			6/96	6/97	9/97	6/98	6/99	9/99	12/99	
VOCs¹ (µg/l)										
Benzene	5.0	0.5	<u>3.6</u>	BDL	<u>1.4</u>	<u>2.6</u>	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	0.35	1.2	0.58	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.37	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	2.0	7.2	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	1.6	<u>5</u>	1.5	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	1.4	BDL	0.48	0.9	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	2.1	BDL	2.0	3.3	0.34	0.24	0.21	0.21
Dichlorodifluoromethane	1000	200	BDL	BDL	0.74	17	0.67	BDL	BDL	BDL
1,1-Dichloroethane	850	85	1.5	BDL	2.2	3.5	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	250	104	98	180	0.53	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	52	8.3	8.2	11	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	3.1	BDL	BDL	2.5	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	28	BDL	1.3	2.3	0.48	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	<u>0.65</u>	BDL	BDL	<u>1.8</u>	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	<u>14</u>	BDL	1.2	6.7	BDL	0.21	0.26	0.26
n-Propylbenzene	NSE	NSE	1.2	BDL	0.51	1.3	0.22	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--
Toluene	1000	200	16	5.4	2.5	4.9	BDL	BDL	0.29	0.29
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.13	0.13
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	0.14	0.14
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	7.9	BDL	1.6	3.4	0.43	0.34	0.20	0.20
1,3,5-Trimethylbenzene	NSE	NSE	2.3	BDL	0.89	2.0	0.2	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	0.35	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	2.5	BDL	2.9	3.6	0.39	BDL	BDL	BDL
Total Xylenes	10000	1000	131	19	16.6	24	BDL	0.53	0.45	0.45
Total VOCs	NSE	NSE	517.65	136.7	146.02	284.2	5.71	1.32	1.68	1.68

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	B-2																				
			6/96	6/97	9/97	12/97	3/98	6/98	9/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01	4/02	9/02	4/03	9/03	4/04	9/04
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	<u>1.1</u>	BDL	0.26	<u>0.64</u>	<u>0.69</u>	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	0.94	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	0.49	BDL	1.2	0.97	0.89	0.73	0.49	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
sec-Butylbenzene	NSE	NSE	0.49	BDL	BDL	0.5	0.51	0.2	0.27	BDL	0.64	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
tert-Butylbenzene	NSE	NSE	0.056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
Chlorobenzene	NSE	NSE	0.037	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	1.1	0.28	0.16	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	2.4	<u>5.2</u>	0.45	0.44	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	2.0	BDL	0.47	0.35	0.47	0.25	0.21	BDL	0.27	0.22	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	0.87	10.1	0.3	1.4	11	0.61	0.87	BDL	0.61	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	<u>9.3</u>	BDL	1.8	5.8	5.4	1.4	1.0	0.21	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.21	BDL	BDL	--	--	--	--	--	--
Ethylbenzene	700	140	17	1.0	2.0	4.9	7.2	1.4	0.65	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	1.7	BDL	0.25	0.62	1.0	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
p-Isopropyltoluene	NSE	NSE	17	BDL	1.9	1.2	1.5	0.68	0.45	BDL	0.61	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.29	BDL	BDL	BDL	BDL	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	2.5	BDL	BDL	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	1.3	BDL	0.37	0.47	0.66	0.19	0.35	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
Tetrachloroethene	5.0	0.5	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	7.3	BDL	0.41	0.64	0.5	0.25	0.5	0.36	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.742	BDL	2.23
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	1.6	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	8.6	BDL	1.4	1.3	0.88	0.53	0.37	0.28	0.47	0.35	5.0	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
1,3,5-Trimethylbenzene	NSE	NSE	2.6	BDL	0.58	0.74	BDL	0.35	BDL	BDL	0.22	0.25	5.0	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--
Trichloroethene	5.0	0.5	0.19	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	1.3	2.2	0.72	0.22	0.78	0.4	BDL	BDL	0.38	BDL	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	37	1.0	4.7	7.8	7.89	1.27	1.55	1.02	BDL	0.23	5.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	111.673	14.3	16.36	31.05	47.86	9.72	8.53	2.23	4.99	1.05	50.12	BDL	0.21	BDL	BDL	BDL	BDL	BDL	0.742	BDL	2.230

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
			B-2																	
			9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14
VOCs¹ (µg/l)	ES	PAL																		
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
n-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
sec-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
tert-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Chloromethane	30	3.0	BDL	BDL	BDL	0.59	BDL	BDL	BDL	BDL	BDL			BDL						
2-Chlorotoluene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
2,2-Dichloropropane	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Isopropylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
p-Isopropyltoluene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Methylene Chloride	5.0	0.5	BDL	BDL	2.9*	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--			--						
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
n-Propylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--			--						
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL						
Total VOCs	NSE	NSE	BDL	BDL	BDL	0.59	BDL	BDL	BDL	BDL	BDL			BDL						

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																						
	ES	PAL	B-3 (Abandoned 5/05)																						
			6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01	4/02	4/03	9/03	4/04	9/04		
VOCs¹ (µg/l)																									
Benzene	5.0	0.5	0.86	0.6	0.5	1.0	0.67	0.88	1.5	BDL	0.36	0.99	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
n-Butylbenzene	NSE	NSE	0.22	BDL	1.0	0.86	BDL	0.69	BDL	BDL	BDL	0.87	0.76	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	
sec-Butylbenzene	NSE	NSE	0.23	BDL	0.25	0.68	BDL	0.47	0.61	BDL	BDL	0.77	0.6	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	
Chlorobenzene	NSE	NSE	0.042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chloroethane	400	80	1.9	BDL	BDL	1.1	0.88	0.79	0.96	BDL	BDL	0.72	BDL	BDL	0.27	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Chloromethane	30	3.0	BDL	BDL	BDL	3.3	2.3	2.7	3.2	0.44	BDL	1.7	0.75	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.03	1.37	3.21	0.627
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.29	0.29	BDL	BDL	0.69	0.45	BDL	BDL	--	--	--	--	--	--	
1,2-Dichlorobenzene	600	60	0.062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.41	BDL	0.17	0.21	0.47	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,4-Dichlorobenzene	75	15	3.6	BDL	2.9	2.0	1.3	2.8	2.7	BDL	1.4	2.7	1.4	1.3	2.3	2.4	BDL	BDL	0.461	BDL	1.15	0.672	1.27		
Dichlorodifluoromethane	1000	200	0.68	1.7	0.21	1.9	8.7	11	15	BDL	0.6	0.79	1.1	BDL	0.39	BDL	BDL	BDL	BDL	BDL	1.92	0.613	1.16	BDL	
1,1-Dichloroethane	850	85	0.14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.95	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
cis-1,2-Dichloroethylene	70	7.0	6.7	4.6	8.7	8.9	9.3	13	9.9	1.6	3.3	3.6	0.43	1.1	1.5	1.2	BDL	0.522	BDL	0.386	0.977	1.84	1.6		
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL	--	--	--	--	--	--	
Ethylbenzene	700	140	12	7.3	3.1	2.2	BDL	0.83	2.8	BDL	0.62	0.46	0.23	0.2	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Isopropylbenzene	NSE	NSE	0.99	0.6	0.38	0.62	BDL	0.51	0.67	BDL	0.29	0.39	0.34	0.24	0.26	0.37	BDL	BDL	--	--	--	--	--	--	
p-Isopropyltoluene	NSE	NSE	0.12	BDL	0.72	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methylene Chloride	5.0	0.5	0.1	BDL	BDL	BDL	BDL	0.5	0.35	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Naphthalene	40	8.0	3.1	BDL	1.5	1.3	BDL	1.7	1.7	BDL	0.68	1.2	1.5	0.55	BDL	0.67	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
n-Propylbenzene	NSE	NSE	0.51	BDL	0.37	0.26	BDL	BDL	0.23	BDL	BDL	0.31	0.36	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.29	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	1.7	0.7	0.26	0.3	BDL	0.5	1.2	BDL	BDL	BDL	BDL	0.13	BDL	87	BDL	BDL	1.41	0.486	0.229	BDL	BDL	BDL	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	NSE	NSE	4.8	1.5	0.72	0.31	BDL	BDL	0.72	BDL	BDL	0.49	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
1,3,5-Trimethylbenzene	NSE	NSE	0.12	BDL	0.51	0.63	BDL	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	--	
Trichloroethene	5.0	0.5	0.064	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	0.2	0.02	2.8	1.5	3	2.2	2.7	2.8	1.1	BDL	BDL	0.51	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.215	
Total Xylenes	10000	1000	19	4.3	1.21	0.32	2.58	0.34	3.3	BDL	BDL	0.31	BDL	BDL	0.81	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total VOCs	NSE	NSE	59.738	23.4	25.33	27.88	28.93	39.77	73.94	2.04	7.54	17.05	7.47	3.69	6.57	95.26	BDL	0.522	1.871	3.822	4.339	6.882	3.712		

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	B-3R																		
			9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.29					BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	1.55	BDL	BDL	BDL	BDL	BDL	0.37	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	1.4	1.1	0.63	0.45	1.1	1.3	BDL	0.59					BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	5.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	1.55	2.0	1.9	0.55	0.96	0.77	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL			BDL		BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	0.21	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	3.1*	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	8.0
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--					--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--					--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	0.23	BDL	BDL	0.87					BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	0.24					BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL					BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.88					BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	8.420	3.610	3.000	1.180	1.410	2.470	1.300	BDL	2.870					BDL	BDL	BDL	BDL	BDL	8.000

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																
	ES	PAL	B-4																
			6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01	
VOCs¹ (µg/l)																			
Benzene	5.0	0.5	0.11	BDL	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.168
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	0.81	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	0.89	BDL	BDL	BDL	0.79	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.59	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	0.14	0.44	BDL	BDL	0.44	0.36	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.055	BDL	BDL	BDL	BDL	BDL	BDL	0.25	0.49	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.23	0.27	BDL	BDL	0.32	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	0.39	0.75	0.7	BDL	BDL	0.86	0.64	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.16	BDL	BDL	BDL	BDL	0.25	0.29	BDL	BDL	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	1.3	0.7	0.22	BDL	0.44	1.0	0.9	0.71	0.44	0.76	0.7	1.4	0.74	0.89	BDL	0.729	
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL
Ethylbenzene	700	140	0.072	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.022	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.55	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16	BDL	0.42	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.31	BDL	0.28	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.047	BDL	BDL	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.093	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	0.23	BDL	BDL	BDL	BDL	BDL	0.35	<u>0.17</u>	BDL	0.42	0.69	BDL	1.7	0.55	0.24	0.244	0.607
Total Xylenes	10000	1000	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.41	BDL	BDL
Total VOCs	NSE	NSE	2.747	0.7	0.50	2.3	1.14	2.49	3.87	1.20	1.01	4.28	2.76	3.26	1.29	3.24	0.244	1.5	

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																
	ES	PAL	B-4																
			4/02	9/02	9/03	4/04	9/04	9/05	4/06	9/06	4/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11
VOCs¹ (µg/l)																			
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	0.767	0.387	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	0.767	0.387	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	B-4																	
			5/12	9/12	3/13	10/13	4/14	11/14	6/15	10/15	12/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs ¹ (µg/l)																				
Benzene	5.0	0.5	BDL	Purged Dry NoSample	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
Bromodichloromethane	0.6	0.06	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	1000	200	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL		BDL	BDL	BDL	7.7	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	1.7	<1.6
Methyl Ethyl Ketone	460	90	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	7.700	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.700	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	B-5															
			6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCs¹ (µg/l)																		
Benzene	5.0	0.5	<u>2.6</u>	<u>1.6</u>	<u>2.0</u>	<u>2.1</u>	<u>1.5</u>	<u>1.9</u>	<u>1.9</u>	BDL	BDL	<u>2.2</u>	<u>1.1</u>	BDL	<u>0.80</u>	BDL	0.158	0.193
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	0.13	BDL	2.0	1.2	1.2	1.3	0.8	BDL	BDL	0.72	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	0.3	BDL	1.1	1.4	0.96	0.99	0.83	BDL	BDL	0.95	0.64	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	0.054	BDL	BDL	0.45	0.35	0.37	BDL	BDL	BDL	0.42	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	0.25	BDL	BDL	0.24	0.29	0.33	BDL	BDL	BDL	BDL	BDL	0.14	BDL	0.28	BDL	BDL
Chloroethane	400	80	6.7	6.2	4.0	3.8	3.0	3.1	1.9	BDL	BDL	2.4	1.4	0.56	0.96	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	<u>13</u>	<u>9.4</u>	<u>13</u>	BDL	<u>3.6</u>	<u>18</u>	BDL	<u>8.7</u>	<u>3.4</u>	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	0.4	BDL	2.2	1.9	1.4	1.5	BDL	BDL	BDL	1.1	0.56	0.36	0.44	0.58	BDL	BDL
1,4-Dichlorobenzene	75	15	4.3	BDL	4.9	4.4	3.8	4.2	3.3	BDL	0.9	3.0	1.7	1.9	2.5	2.4	0.217	0.512
Dichlorodifluoromethane	1000	200	1.1	BDL	4.8	10	23	37	11	BDL	BDL	4.3	3.3	0.58	1.3	BDL	BDL	0.707
1,1-Dichloroethane	850	85	0.51	BDL	BDL	BDL	BDL	0.48	0.38	BDL	BDL	0.24	0.38	0.16	0.74	0.44	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.91	0.8	0.85	0.57	BDL	0.9	0.75	BDL	BDL	0.39	BDL	0.41	BDL	0.18	BDL	BDL
trans-1,2-Dichloroethylene	100	20	0.067	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL	BDL
Ethylbenzene	700	140	3.6	6.0	5.7	3.4	2.4	2.0	1.8	BDL	BDL	0.69	0.13	0.12	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	0.9	0.7	0.75	0.93	0.7	0.76	0.5	BDL	BDL	0.38	0.31	0.14	BDL	0.31	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	1.1	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	0.55	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.19	BDL	BDL	BDL	BDL	0.41	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	3.2	3.4	4.5	5.4	3.4	0.46	3.5	BDL	BDL	2.8	1.6	1.0	1.2	0.69	BDL	BDL
n-Propylbenzene	NSE	NSE	0.27	BDL	0.44	0.38	0.39	0.34	0.24	BDL	BDL	0.3	BDL	BDL	0.40	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.32	0.31	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.56	0.7	0.28	0.17	0.37	0.27	0.54	BDL	BDL	0.2	BDL	0.13	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.75	BDL	BDL	BDL	0.264
1,2,4-Trimethylbenzene	NSE	NSE	3.7	BDL	3.8	3.6	2.1	2.1	2.2	BDL	BDL	0.88	BDL	0.15	BDL	0.35	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	1.1	1.1	1.5	1.5	0.95	0.86	0.69	BDL	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.19	BDL	0.34	BDL	0.17	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	1.0	0.8	2.5	0.26	0.71	1.1	0.24	BDL	BDL	0.53	BDL	BDL	<u>0.10</u>	BDL	BDL	BDL
Total Xylenes	10000	1000	9.6	14.6	9.5	5.02	3.08	2.83	3.29	BDL	BDL	0.58	BDL	BDL	BDL	0.47	BDL	BDL
Total VOCs	NSE	NSE	41.631	35.9	65.26	58.62	62.77	63.4	38.01	31	0.9	31.12	14.52	6.88	8.75	5.89	0.375	1.676

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	B-5																	
			4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	4/07	9/07	4/08	9/08	4/09	10/09	4/10	9/10
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2	BDL	0.29	0.29	0.29
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	1.29	0.438	0.639	BDL	0.481	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	0.653	BDL	0.938	BDL	0.857	BDL	0.634	0.48	0.92	0.73	0.85	0.87	0.9	0.64	0.92	0.75	0.55
Dichlorodifluoromethane	1000	200	BDL	1.71	0.992	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.1*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.64	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	0.251	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	BDL	3.653	1.430	1.577	BDL	1.589	BDL	0.634	0.480	0.920	0.730	0.850	0.870	1.100	0.640	1.850	1.040	0.840

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	B-5																			
			4/11	9/11	5/12	9/12	3/13	10/13	4/14	11/14	6/15	10/15	12/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	Purged Dry NoSample	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	0.15	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	1.5
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	1.0	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL		BDL	BDL	BDL	BDL	7.7	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	<1.6	2.0	<1.6
Methyl Ethyl Ketone	460	90	--	--	--		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL		BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	7.700	BDL	BDL	BDL	BDL	BDL	BDL	1.000	BDL	BDL	2.000	1.650	

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date															
	ES	PAL	B-6															
			6/96	6/97	9/97	12/97	3/98	6/98	9/98	12/98	3/99	6/99	9/99	12/99	3/00	6/00	3/01	9/01
VOCs¹ (µg/l)																		
Benzene	5.0	0.5	0.11	BDL	BDL	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	0.052	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	0.56	BDL	0.17	0.45	BDL	BDL	0.42	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	0.42	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.04	BDL	BDL	BDL	BDL	0.34	0.24	0.35	BDL	2	0.65	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	5.6	BDL	0.37	0.51	0.41	0.41	0.35	BDL	0.37	0.56	0.44	0.38	BDL	0.33	0.599	BDL
Dichlorodifluoromethane	1000	200	0.066	BDL	0.26	0.39	1.9	3.6	1.6	BDL	BDL	1.1	0.63	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	1.1	BDL	BDL	0.53	BDL	0.78	0.89	BDL	0.53	0.58	BDL	0.3	BDL	BDL	0.259	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.19	BDL
Ethylbenzene	700	140	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	0.039	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.52	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.044	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	0.12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.28	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	0.23	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.039	BDL	BDL	BDL	BDL	BDL	0.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	0.69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.088	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.076	BDL	BDL	0.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	0.1	BDL	BDL	BDL	BDL	BDL	BDL	0.086	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	0.138	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	7.884	BDL	0.63	4.21	2.31	5.3	4.746	0.35	0.9	9.42	1.72	0.68	BDL	0.52	0.858	BDL

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	B-6																		
			4/02	9/02	4/03	9/03	4/04	9/04	3/05	9/05	4/06	9/06	9/07	4/08	9/08	4/09	10/09	4/10	9/10	4/11	9/11
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.2	0.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	2.8*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.952	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.952	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.20	0.620	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Purged Dry NoSample

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	B-6																	
			5/12	9/12	3/13	10/13	4/14	11/14	6/15	10/15	12/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<1.6	13	<1.6	<1.6	<1.6	<1.6	<u>1.8</u>	<1.6	<1.6
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22
Total VOCs	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	13.000	BDL	BDL	BDL	BDL	BDL	1.800	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PW-1																			
			10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/08	10/09	9/10	9/11	9/12	10/13	6/14	
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.37	0.089	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	1.2	0.67	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.043	0.046	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.097	0.083	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.039	0.032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.4*	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.13
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.244	0.161	BDL	1.2	0.67	BDL	BDL	BDL	BDL	BDL	BDL	0.37	0.09	BDL	BDL	BDL	BDL	BDL	BDL	0.13

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PW-2																				
			10/95	6/96	6/97	6/98	6/99	7/99	8/99*	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/08	10/09	9/10	9/11	9/12	10/13	6/14
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Chloroethane	400	80	BDL	BDL	BDL	0.19	0.36	BDL	0.27	BDL	BDL	BDL	BDL	BDL	BDL	0.08	BDL						
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Chloromethane	30	3.0	0.052	BDL	BDL	BDL	1.4	0.57	BDL	BDL	BDL	BDL	BDL	BDL	0.276	0.11	BDL						
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL						
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.16	0.57	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16						
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	2.7	1.0	1.8	BDL	--	BDL	BDL	BDL	BDL	BDL	0.098	BDL						
1,1-Dichloroethane	850	85	0.064	0.056	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.074	BDL						
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
cis-1,2-Dichloroethylene	70	7.0	0.089	0.064	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL						
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL						
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	--	BDL	BDL	BDL	BDL	BDL	BDL						
Methylene Chloride	5.0	0.5	0.15	0.14	BDL	0.38	BDL	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL	3.8*	BDL						
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL						
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	<u>1.26</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL						
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--						
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.057	0.1						
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL						
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL						
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	0.38	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	0.84	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL						
Total VOCs	NSE	NSE	0.355	0.26	BDL	3.27	3.3	3.78	0.64	1.26	BDL	BDL	BDL	BDL	0.28	0.48	0.26						

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
			PW-3																			
	ES	PAL	10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	6/14
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.59	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	0.35	BDL	BDL	BDL	BDL	BDL	BDL	0.1	0.06	BDL	BDL	BDL	BDL		
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Chloromethane	30	3.0	0.046	0.16	BDL	BDL	BDL	BDL	BDL	BDL	0.29	BDL	BDL	0.242	0.12	0.1	BDL	BDL	BDL	BDL		
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Dichlorodifluoromethane	1000	200	0.22	0.22	0.6	0.69	2.2	--	1.53	1.77	1.75	1.8	1.28	0.92	0.61	1.3	2.0	1.8	1.3			
1,1-Dichloroethane	850	85	0.11	0.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.084	0.06	BDL	BDL	BDL	BDL		
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	<u>0.518</u>	BDL	BDL	BDL	BDL	BDL	3.7*	BDL	BDL	BDL	BDL	BDL		
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Tetrahydrofuran	50	10	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--		
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
Total VOCs	NSE	NSE	0.376	0.46	0.6	0.69	3.29	0.518	1.530	2.06	1.75	1.80	1.52	1.22	0.83	1.30	2.00	1.80	1.30			

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	PW-6																		
			10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	10/06	9/07	9/08	10/09	9/10	9/11	9/12
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	0.58	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.57	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.33	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.171	0.127	0.47	0.33	BDL	0.29	BDL	0.17	0.92	0.83
Chloromethane	30	3.0	0.094	BDL	BDL	BDL	1.2	BDL	BDL	BDL	0.34	BDL	BDL	0.12	0.12	0.05	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	0.042	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	0.56	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	0.55	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	6.4*	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.7	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	BDL	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	0.53	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.45	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.2	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	0.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.094	0.042	BDL	0.31	6.17	BDL	BDL	BDL	0.34	0.17	0.13	0.59	0.45	0.05	0.29	BDL	0.17	0.92	0.83

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date														
	ES	PAL	PW-6														
			10/13	6/14	4/15	6/15	10/15	12/15	4/16	9/16	3/17	9/17	4/18	9/18	4/19	9/19	
VOCs¹ (µg/l)																	
Benzene	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.18	<0.082
Bromodichloromethane	0.6	0.06	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.060	<0.079
Bromoform	4.4	0.44	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.48	<0.48	<0.48	<0.48	<0.48	<0.48	<0.11	<0.17
Bromomethane	10	1.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.25	<0.20
n-Butylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.13	<0.17
sec-Butylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.070	<0.070
tert-Butylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.20	<0.20
Chlorobenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.21	<0.21
Chloroethane	400	80	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.51	<0.51	<0.51	<0.51	<0.51	<0.51	<0.19	<0.19
Chloroform	6.0	0.6	0.53	<u>2.2</u>	NoSample	<u>0.96</u>	<u>1.1</u>	<u>0.72</u>	0.40 (J)	<u>1.6</u>	<u>1.6</u>	<u>1.5</u>	<0.37	<u>1.8</u>	<u>3.3</u>	<u>5.0</u>	
Chloromethane	30	3.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.32	<0.32	<0.32	<0.32	<0.32	<0.32	<0.17	<0.17
2-Chlorotoluene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.31	<0.31	<0.31	<0.31	<0.31	<0.31	<0.23	<0.23
1,2-Dichlorobenzene	600	60	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.33	<0.33	<0.33	<0.33	<0.33	<0.33	<0.070	<0.070
1,4-Dichlorobenzene	75	15	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.11	<0.11
Dichlorodifluoromethane	1000	200	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.23	<0.23
1,1-Dichloroethane	850	85	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.070	<0.070
1,2-Dichloroethane	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.070	<0.070
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.17	<0.17
trans-1,2-Dichloroethylene	100	20	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.35	<0.35	<0.35	<0.35	<0.35	<0.35	<0.070	<0.070
1,2-Dichloropropane	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.10	<0.10
2,2-Dichloropropane	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.44	<0.44	<0.44	<0.44	<0.44	<0.44	<0.050	<0.050
Ethylbenzene	700	140	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.18	<0.18	<0.18	<0.18	<0.18	<0.18	<0.25	<0.25
Isopropylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.18	<0.18
p-Isopropyltoluene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.20	<0.20
Methyl tert Butyl Ether	60	12	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.12	<0.12
Methylene Chloride	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<1.6	<1.6	<1.6	<1.6	<1.6	0.24	<0.050	<0.050
Methyl Ethyl Ketone	460	90	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.50	<0.50
n-Propylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.41	<0.41	<0.41	<0.41	<0.41	<0.41	<0.22	<0.22
Styrene	10	1.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.39	<0.39	<0.39	<0.39	<0.39	<0.39	<0.15	<0.089
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.050	<0.24
Tetrachloroethene	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.37	<0.37	<0.37	<0.37	<0.37	<0.37	<0.12	<0.18
Tetrahydrofuran	50	10	--	--	NoSample	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.060	<0.086
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.46	<0.46	<0.46	<0.46	<0.46	<0.46	<0.16	<0.16
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.34	<0.34	<0.34	<0.34	<0.34	<0.34	<0.16	<0.16
1,1,1-Trichloroethane	200	40	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.20	<0.15
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.36	<0.36	<0.36	<0.36	<0.36	<0.36	<0.070	<0.17
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	--	--
Trichloroethene	5.0	0.5	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.060	<0.13
Trichlorofluoromethane	3490	698	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.43	<0.43	<0.43	<0.43	<0.43	<0.43	<0.080	<0.23
Vinyl Chloride	0.2	0.02	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.070	<0.16
Total Xylenes	10000	1000	BDL	BDL	NoSample	BDL	BDL	BDL	BDL	<0.22	<0.22	<0.22	<0.22	<0.22	<0.22	<0.31	<0.086
Total VOCs	NSE	NSE	0.53	2.20	NoSample	0.96	1.20	0.72	0.400	1.600	1.600	1.500	BDL	2.040	3.300	5.000	

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																			
	ES	PAL	PW-8																			
			10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	6/14
VOCs¹ (µg/l)																						
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.045	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.35	BDL	0.16	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	0.52	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.09	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	0.32	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.045	BDL	BDL	0.32	0.69	BDL	BDL	BDL	BDL	BDL	BDL	0.35	BDL	0.50	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PW-9																	
			10/95	6/96	6/97	6/98	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	10/09	9/10	9/11	9/12	10/13	6/14
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.044	0.032	BDL	BDL	BDL	BDL	0.196	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.029	BDL	<u>1.2</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	4*	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	4.65	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.073	0.032	1.2	BDL	BDL	BDL	0.196	4.65	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PW-10																	
			10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/06	9/07	9/08	9/12	10/13	6/14		
VOCs¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	No Sample (Closed)	BDL	BDL	
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Chloromethane	30	3.0	0.037	0.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.096	0.25	0.22		BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.16	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.51	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.022	0.025	BDL	0.34	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.6*	BDL	BDL		BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.21	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	0.49	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--		--	--	--
Toluene	1000	200	0.044	0.032	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.09	BDL	BDL	BDL	BDL	
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.4	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
Total VOCs	NSE	NSE	0.103	0.357	BDL	0.83	1.28	BDL	BDL	BDL	BDL	BDL	BDL	0.10	0.34	0.22		BDL	BDL	

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date														
	ES	PAL	PW-14														
			10/95	6/97	6/99	6/00	9/01	9/02	9/04	10/06	9/07	10/09	9/10	9/11	9/12	10/13	6/14
VOCs¹ (µg/l)																	
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.039	BDL	BDL	BDL	BDL	0.23	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	0.19	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	BDL	BDL	BDL	BDL	--	--	--	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	BDL	BDL	--	--	--	--	--	--	--	--	--
Toluene	1000	200	0.026	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.065	1.1	0.19	BDL	0.23	BDL	BDL	BDL	0.14	BDL	BDL	BDL	BDL	BDL	BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PW-15																				
			10/95	6/96	6/97	6/98	11/98	6/99	7/99	8/99	6/00	6/00	9/01	9/02	12/02	4/03	7/03	9/03	12/03	4/04	7/04	9/04	12/04
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	0.04	0.031	BDL	BDL	BDL	<u>0.59</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.127	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	<u>1.1</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	0.26	BDL	0.54	0.33	0.63	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	0.085	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.068	0.038	BDL	1.1	0.18	2.4	1.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	0.24	0.58	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	6.6	4.9	1.2	4.1	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	0.19	0.2	BDL	0.31	BDL	BDL	BDL	0.22	BDL	BDL	BDL	0.155	0.129	0.115	0.104	0.134	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.54	0.74	BDL	1.0	1.0	1.0	1.3	1.3	0.562	0.564	0.475	0.505	0.377	0.398	0.387	0.556	0.414	0.437	0.407	0.412	0.306
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	0.027	BDL	BDL	BDL	<u>3.8</u>	BDL	BDL	BDL	BDL	BDL	<u>3.02</u>	<u>0.973</u>	<u>1.53</u>	0.404	<u>2.06</u>	0.137	BDL	0.736	0.791	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.51	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	NA	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.043	0.031	BDL	0.36	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.28	BDL	BDL	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	0.37	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.11	0.094	BDL	BDL	0.24	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.22	BDL	BDL	--	--	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	0.055	0.049	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	<u>0.42</u>	<u>0.11</u>	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	0.83	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	1.131	1.21	BDL	9.63	6.32	12.67	8.75	2.15	0.562	0.564	0.475	3.68	1.48	2.17	0.895	2.75	0.55	0.437	1.143	1.203	0.306

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																				
	ES	PAL	PW-15																				
			3/05	6/05	9/05	12/05	4/06	6/06	9/06	12/06	4/07	9/07	12/07	4/08	6/08	9/08	1/09	4/09	10/09	7/10	4/10	9/10	12/10
VOCs¹ (µg/l)																							
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.1	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	0.089	0.086	0.066	BDL	0.072	0.072	0.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.17	BDL	BDL	BDL
Chloromethane	30	3.0	BDL	BDL	0.293	0.16	BDL	0.21	0.21	0.18	0.094	0.09	BDL	0.26	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	0.11	0.11	0.091	0.098	0.11	0.089	0.1	0.09	0.07	BDL	0.06	0.07	0.07	0.8	0.06	BDL	0.80	0.8
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	0.332	0.352	0.359	0.28	0.35	0.28	0.16	0.25	0.059	0.21	0.24	0.2	BDL	0.14	0.13	0.12	0.11	0.07	0.10	0.15	0.12
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	1.02	0.211	0.469	0.22	BDL	BDL	0.37	0.074	BDL	0.36	0.2	0.26	BDL	0.83	0.06	0.31	0.54	BDL	BDL	1.3	0.11
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	0.41	0.56	BDL	BDL	BDL	0.43	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	0.058	0.078	0.057	0.063	0.068	0.061	0.07	0.06	0.06	BDL	BDL	0.06	0.05	0.05	0.05	BDL	0.05	0.06
Tetrahydrofuran	50	10	--	--	--	--	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.055	BDL	BDL	BDL	0.25	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	0.054	0.052	0.044	BDL	0.042	BDL	0.05	0.04	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.28	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	1.352	0.563	1.121	1.381	1.236	0.748	0.901	0.796	0.860	1.010	0.630	0.850	0.590	1.030	0.320	0.550	1.500	0.450	0.100	2.300	1.090

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																								
			PW-15																								
	ES	PAL	9/11	12/11	4/12	9/12	12/12	3/13	6/13	10/13	12/13	6/14	1/15	4/15	6/15	10/15	12/15	10/16	3/17	9/17	4/18	9/18	4/19	9/19			
VOCs¹ (µg/l)																											
Benzene	5.0	0.5	BDL	BDL	BDL	NoSample	BDL	BDL	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	NoSample	NoSample	<0.13	<0.13	<0.13	<0.15	<0.15	NoSample	NoSample			
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL		BDL	BDL	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.37	<0.37
Bromoform	4.4	0.44	BDL	BDL	BDL		BDL	BDL	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.48	<0.48
Bromomethane	10	1.0	BDL	BDL	BDL		BDL	BDL	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051	<0.051			<0.051	<0.23	<0.23	<0.23	<0.23			<0.23	<0.80	<0.80
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.081	<0.081	<0.081	<0.081	<0.081	<0.081	<0.081			<0.081	<0.081	<0.081	<0.081	<0.081			<0.081	<0.39	<0.39
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068	<0.068			<0.068	<0.068	<0.068	<0.068	<0.068			<0.068	<0.40	<0.40
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060			<0.060	<0.060	<0.060	<0.060	<0.060			<0.060	<0.40	<0.40
Chlorobenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.39	<0.39
Chloroethane	400	80	BDL	BDL	BDL		BDL	BDL	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070			<0.070	<0.20	<0.20	<0.20	<0.20			<0.20	<0.51	<0.51
Chloroform	6.0	0.6	BDL	BDL	BDL		BDL	BDL	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.37	<0.37
Chloromethane	30	3.0	BDL	BDL	BDL		BDL	0.12 (J)	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063			<0.063	<0.17	<0.17	<0.17	<0.17			<0.17	<0.32	<0.32
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050			<0.050	<0.12	<0.12	<0.12	<0.12			<0.12	<0.31	<0.31
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL		BDL	BDL	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16	<0.16			<0.16	<0.16	<0.16	<0.16	<0.16			<0.16	<0.33	<0.33
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL		BDL	BDL	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.36	<0.36
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL		BDL	BDL	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070	<0.070			<0.070	<0.15	<0.15	<0.15	<0.15			<0.15	<0.67	<0.67
1,1-Dichloroethane	850	85	0.05	BDL	BDL		BDL	BDL	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074	<0.074			<0.074	<0.18	<0.18	<0.18	<0.18			<0.18	<0.41	<0.41
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL		BDL	BDL	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.14	<0.14	<0.14	<0.14			<0.14	<0.39	<0.39
cis-1,2-Dichloroethylene	70	7.0	0.07	0.068	BDL		BDL	BDL	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.41	<0.41
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL		BDL	BDL	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.13	<0.13	<0.13	<0.13			<0.13	<0.35	<0.35
1,2-Dichloropropane	5.0	0.5	0.28	BDL	0.47 (J)		BDL	BDL	<u>1.1</u>	0.14	0.2	0.12	0.28	0.39	<u>1.2</u>			<u>0.61</u>	<0.11	<u>0.76</u>	<0.11	<u>0.76</u>			<0.11	<0.43	0.26
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048	<0.048			<0.048	<0.35	<0.35	<0.35	<0.35			<0.35	<0.44	<0.44
Ethylbenzene	700	140	BDL	BDL	BDL		BDL	BDL	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11			<0.11	<0.11	<0.11	<0.11	<0.11			<0.11	<0.18	<0.18
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053			<0.053	<0.16	<0.16	<0.16	<0.16			<0.16	<0.39	<0.39
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL		BDL	BDL	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063			<0.063	<0.063	<0.063	<0.063	<0.063			<0.063	<0.36	<0.36
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL		BDL	BDL	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.12	<0.12	<0.12	<0.12			<0.12	<0.39	<0.39
Methylene Chloride	5.0	0.5	BDL	BDL	BDL		BDL	BDL	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25	<0.25			<0.25	<0.99	<0.99	<0.99	<0.99			<0.99	<1.6	0.24
Methyl Ethyl Ketone	460	90	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.15	<0.15	<0.15	<0.15	<0.15	<0.34	<0.34					
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.13	<0.13	<0.13	<0.13	<0.13	<0.41	<0.41					
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.13	<0.13	<0.13	<0.13	<0.13	<0.39	<0.39					
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14	<0.46	<0.46					
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.067	<0.20	<0.20	<0.20	<0.20	<0.20	<0.37	<0.37					
Tetrahydrofuran	50	10	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.15	<0.15					
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.057	<0.16	<0.16	<0.16	<0.16	<0.16	<0.46	<0.46					
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	<0.34	<0.34					
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.063	<0.21	<0.21	<0.21	<0.21	<0.21	<0.38	<0.38					
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.090	<0.34	<0.34					
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.043	<0.13	<0.13	<0.13	<0.13	<0.13	<0.25	<0.25					
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.18	<0.18	<0.18	<0.18	<0.18	<0.16	<0.16					
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.044	<0.19	<0.19	<0.19	<0.19	<0.19	<0.43	<0.43					
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	<0.059	<0.059	<0.059	<0.059	<0.059	<0.059	<0.059	<0.059	<0.18	<0.18	<0.18	<0.18	<0.18	<0.20	<0.20					
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.12	<0.12	<0.12	<0.12	<0.12	<0.22	<0.22					
Total VOCs	NSE	NSE	0.400	0.068	BDL		BDL	BDL	1.1	0.14	0.2	0.12	0.28	0.39	1.2			0.61	0	0.76	0	0.5					

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																		
	ES	PAL	PW-16																		
			10/95	6/96	6/97	6/99	6/00	9/01	12/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	6/14
VOCs¹ (µg/l)																					
Benzene	5.0	0.5	0.03	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL		BDL				BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	1.5	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.14	0.38	0.24	0.06		BDL				0.14
Chloromethane	30	3.0	0.05	0.066	BDL	1.1	BDL	BDL	BDL	BDL	BDL	0.308	0.11	0.13	BDL		BDL				BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	0.62	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.338	BDL	BDL	BDL		BDL				BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	0.5	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.6*	BDL	BDL		BDL				BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Tetrachloroethene	5.0	0.5	0.099	0.14	BDL	BDL	BDL	BDL	0.135	BDL	BDL	BDL	0.096	0.1	0.07		BDL				BDL
Tetrahydrofuran	50	10	--	--	--	--	--	0.541	BDL	0.127	--	--	--	--	--		BDL				--
Toluene	1000	200	0.062	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,2,4-Trimethylbenzene	NSE	NSE	0.32	BDL	BDL	0.38	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
1,3,5-Trimethylbenzene	NSE	NSE	0.089	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		BDL				BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	1.325	BDL	BDL	BDL		BDL				BDL
Total VOCs	NSE	NSE	0.65	0.206	0.6	4.28	BDL	0.541	0.135	0.127	BDL	2.111	0.586	0.470	0.130		BDL				0.140

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																					
	ES	PAL	PW-17																					
			10/95	6/96	6/97	6/98	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	6/14	3/17	
VOCS¹ (µg/l)																								
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL							BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	0.59	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL							BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.05	BDL							BDL
Chloroform	6.0	0.6	0.065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Chloromethane	30	3.0	0.065	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.203	0.084	0.13	BDL							BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	0.18	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Dichlorodifluoromethane	1000	200	BDL	0.048	BDL	1.9	0.96	--	BDL	BDL	BDL	BDL	BDL	0.05	BDL	BDL	BDL							BDL
1,1-Dichloroethane	850	85	0.031	0.048	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.063	BDL	BDL	BDL							BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.36	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	0.31	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.8*	BDL	BDL	BDL							BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Tetrahydrofuran	50	10	--	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--							--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.06	BDL	BDL							BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL							BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.16	BDL							BDL
Total VOCs	NSE	NSE	0.161	0.1	BDL	2.21	2.09	BDL	BDL	BDL	BDL	BDL	BDL	0.20	0.20	0.40	BDL							BDL

**Table 4
Groundwater Analytical Results - Volatile Organic Compounds**

Compounds Detected	NR 140 Standards		Well No./Sampling Date																					
	ES	PAL	PW-18																					
			10/95	6/96	6/97	6/99	6/00	9/01	9/02	9/03	9/04	9/05	9/06	9/07	11/07	4/08	9/08	10/09	9/10	11/10	9/11	9/12	12/12	
VOCs¹ (µg/l)																								
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	0.9	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.181	1.48	3.24	5.5	6.1	3.3	1.8	1.6	5.8	6.0	5.8	5.0	7.3	7.2
Chloromethane	30	3.0	0.047	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	0.355	0.065	0.07	0.09	0.22	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	0.11	0.058	BDL	BDL	BDL	BDL	BDL	0.116	BDL	BDL	0.059	0.08	0.06	0.06	0.05	0.06	0.07	0.07	0.065	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	--	--	BDL	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	BDL	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	0.157	0.058	BDL	0.90	BDL	BDL	BDL	0.297	1.48	3.60	5.62	6.25	3.45	2.08	1.65	5.86	6.07	5.87	5.07	7.30	7.20	

Table 4
Groundwater Analytical Results - Volatile Organic Compounds

Compounds Detected	NR 140 Standards		Well No./Sampling Date																	
	ES	PAL	PW-19																	
			6/98	12/98	6/99	12/02	9/03	9/04	9/05	9/06	9/07	9/08	10/09	9/10	9/11	9/12	10/13	6/14	3/17	
VOCS¹ (µg/l)																				
Benzene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromodichloromethane	0.6	0.06	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromoform	4.4	0.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Bromomethane	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
sec-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
tert-Butylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chlorobenzene	NSE	NSE	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroethane	400	80	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloroform	6.0	0.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Chloromethane	30	3.0	0.69	BDL	BDL	BDL	BDL	BDL	BDL	0.281	0.08	0.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2-Chlorotoluene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	600	60	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	75	15	BDL	BDL	0.69	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Dichlorodifluoromethane	1000	200	1.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1-Dichloroethane	850	85	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloroethane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
cis-1,2-Dichloroethylene	70	7.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
trans-1,2-Dichloroethylene	100	20	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2-Dichloropropane	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
2,2-Dichloropropane	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Ethylbenzene	700	140	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Isopropylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
p-Isopropyltoluene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl tert Butyl Ether	60	12	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methylene Chloride	5.0	0.5	0.35	BDL	BDL	BDL	BDL	BDL	BDL	2.9*	2.9*	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Methyl Ethyl Ketone	460	90	--	--	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	--	--	--	--
Naphthalene	40	8.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
n-Propylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Styrene	10	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1,2-Tetrachloroethane	70	7.0	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrachloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Tetrahydrofuran	50	10	--	--	--	BDL	BDL	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	1000	200	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,3-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trichlorobenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,1,1-Trichloroethane	200	40	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,2,4-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
1,3,5-Trimethylbenzene	NSE	NSE	BDL	BDL	BDL	--	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichloroethene	5.0	0.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Trichlorofluoromethane	3490	698	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Vinyl Chloride	0.2	0.02	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total Xylenes	10000	1000	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Total VOCs	NSE	NSE	2.84	BDL	0.69	BDL	BDL	BDL	BDL	0.28	0.08	0.08	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

¹ = VOC list is not complete; VOCs not listed are BDL

BDL = Below laboratory detection limit

0.69 = Exceeds ch. NR 140 Preventive Action Limit (PAL)

* = Anomalous detection of Methylene Chloride; similar concentration found in the trip blank and, therefore, not reported in total

NSE = No standard established

3.7 = Exceeds. Ch. NR 140 Enforcement Standard (ES)

PALs (Preventive Action Limits) and ESs (Enforcement Standards) published in s. NR 140.10, Wis. Adm. Code

Compiled by: MFR Checked by: BLK

**Table 5
Groundwater Analytical Results - Field Parameters**

		pH (Field)	Temperature (Field)	Specific Conductance	Color	Odor	Turbidity
MW-1 (801)	4/19	6.37	9.2	345	none	none	none
	9/19	6.42	11.3	386	none	none	none
PZ-1S (806)	4/19	6.83	9.6	492	none	none	none
	9/19	6.79	11.1	493	none	none	none
MW-2 (802)	4/19	6.42	8.6	251	none	none	none
	9/19	6.4	11.3	247	none	none	none
MW-4 (804)	4/19	6.21	7.6	734	Lt Brown	none	Slight
	9/19	6.22	11.5	739	none	Slight	Slight
MW-5 (805)	4/19	6.47	6.2	112	Lt Yellow	none	Slight
	9/19	6.44	11.6	115	Lt Brown	none	Moderate
MW-6 (808)	4/19	6.72	7.4	104	none	none	none
	9/19	6.84	11.3	115	none	none	none
PZ-6S (809)	4/19	6.76	8.6	140	none	none	none
	9/19	6.77	11.2	142	none	none	none
MW-7 (811)	4/19	6.61	8.9	492	none	none	none
	9/19	6.57	11.1	481	none	none	none
PZ-7SR (902)	4/19	7.14	9.7	274	none	none	none
	9/19	7.16	11.4	334	none	none	none
PZ-7D (813)	4/19	7.33	9.3	274	none	none	none
	9/19	7.36	11	270	none	none	none
MW-9 (817)	4/19	6.86	8.3	514	none	none	none
	9/19	6.84	10.8	512	none	none	none
PZ-9S (818)	4/19	7.13	9.1	280	none	none	none
	9/19	7.14	10.9	296	none	none	none
PZ-10S	4/19	7.91	8.9	332	none	none	none
	9/19	7.41	9.3	360	none	none	none
B-4 (826)	4/19	7.14	9.2	209	none	none	none
	9/19	7.16	11.1	215	none	none	none
B-5 (827)	4/19	6.67	8.7	433	Lt Brown	none	Slight
	9/19	6.69	11	402	Lt Brown	Slight	Slight
B-6 (828)	4/19	6.91	8.9	276	Lt Brown	Slight	Slight
	9/19	6.84	11.3	286	Lt Brown	Moderate	Slight

--= not sampled
 Compiled by: MFR Checked by: BLK

**Table 6
Proposed Site Monitoring Schedule**

Sample Location / Id number	Parameter/Number	Method	Sample Interval	
			Long Term	
Gas Probes GP-10 (879), GP-11 (880), GP-12 (881)	Methane % Volume / 85547	GEM-2000 Meter	A	June
	Carbon Dioxide % Volume / 85544	GEM-2000 Meter	A	
	Oxygen % Volume/ 85550	GEM-2000 Meter	A	
	Air Temperature/ 00021	Local Airport	A	
	Barometric Pressure/ 00025	Local Airport	A	
	Barometric Pressure trend/ 46381	Local Airport	A	
Monitoring Wells/Piezometers MW-1 (801), PZ-1S (806), MW-2 (802), MW-3 (803), MW-4 (804), MW-5 (805), MW-7 (811), PZ-7SR (902),	Water Elevation	Water Level Indicator	A	June
	pH, Field/ 00400	pH/Temp/Conductance Meter	A	
	Temperature, Field	pH/Temp/Conductance Meter	A	
	Specific Conductance, Field/ 00094	pH/Temp/Conductance Meter	A	
	Color/(2), Odor (1), Turbidity (3)	Visual Observation	A	
	VOCs/ various numbers	EPA SW846 8260/8021	A	
Notes:		M = Monthly		
		Q = Quarterly		
		SA = Semi-Annual		
Compiled by:MFR Checked by:BLK		A = Annual		

Figures

Figure 1 – Title Sheet/Site Location

Figure 2 – LFG Extraction Well Locations and Gas Probe Locations

Figure 3 – Monitoring Well, Piezometer, and Private Well Locations

Figure 4 – Groundwater Elevation Contours - 4/4/19

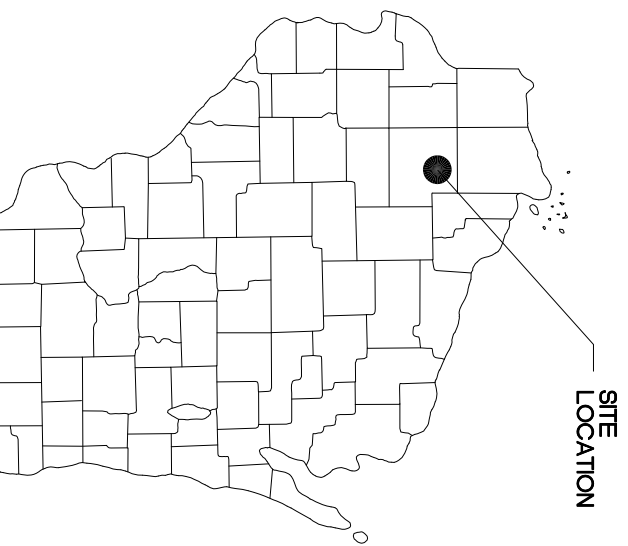
HAYWARD LANDFILL

OMM PROGRESS REPORT 2019

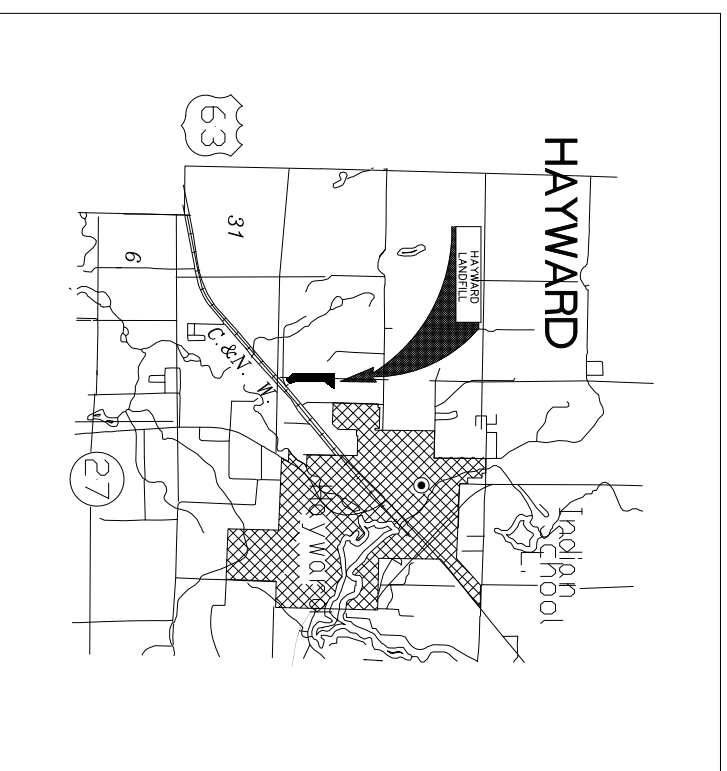
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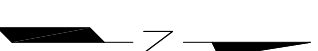
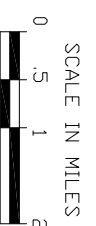
1/4	TITLE SHEET/ SITE LOCATION
2/4	LFG EXTRACTION WELL AND GAS PROBE LOCATIONS
3/4	MONITORING WELL, PIEZOMETER, AND PRIVATE WELL LOCATIONS
4/4	GROUNDWATER ELEVATION CONTOURS- 09/26/19



COUNTY LOCATION MAP



SITE LOCATION MAP



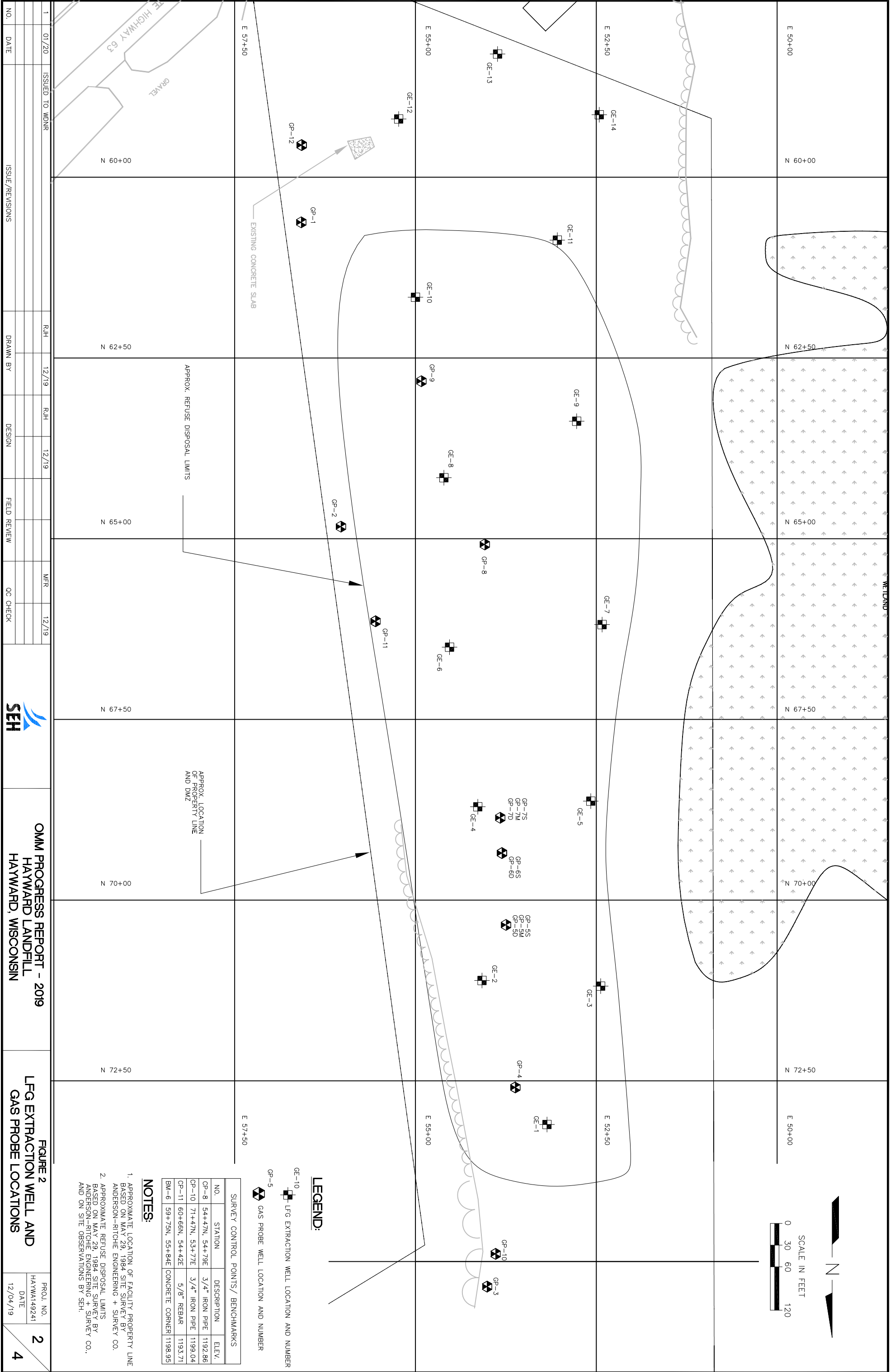
PREPARED FOR:

CITY OF HAYWARD
P.O. BOX 593
HAYWARD, WISCONSIN

PREPARED BY:

SHORT ELLIOTT HENDRICKSON, INC.
ENVIRONMENTAL SERVICE AREA
421 FRENETTE DRIVE
CHIPPEWA FALLS, WISCONSIN

1	01/20	ISSUED TO WDNR	RJH	12/19	RJH	12/19	MFR	12/19	OMM PROGRESS REPORT - 2019 HAYWARD LANDFILL HAYWARD, WISCONSIN	FIGURE 1 TITLE SHEET/ SITE LOCATION	PROJ. NO. HAYMA149241	1
											DATE 12/3/19	4
NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK						



NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK
1	01/20	ISSUED TO OWNER	RJH	RJH		

DATE	BY
12/19	RJH
12/19	RJH
12/19	MFR

SEH

OMM PROGRESS REPORT - 2019
HAYWARD LANDFILL
HAYWARD, WISCONSIN

FIGURE 2
LFG EXTRACTION WELL AND
GAS PROBE LOCATIONS

PROJ. NO.	HAWM149241
DATE	12/04/19
2	4

LEGEND:

GE-10 LFG EXTRACTION WELL LOCATION AND NUMBER

GP-5 GAS PROBE WELL LOCATION AND NUMBER

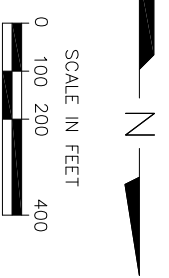
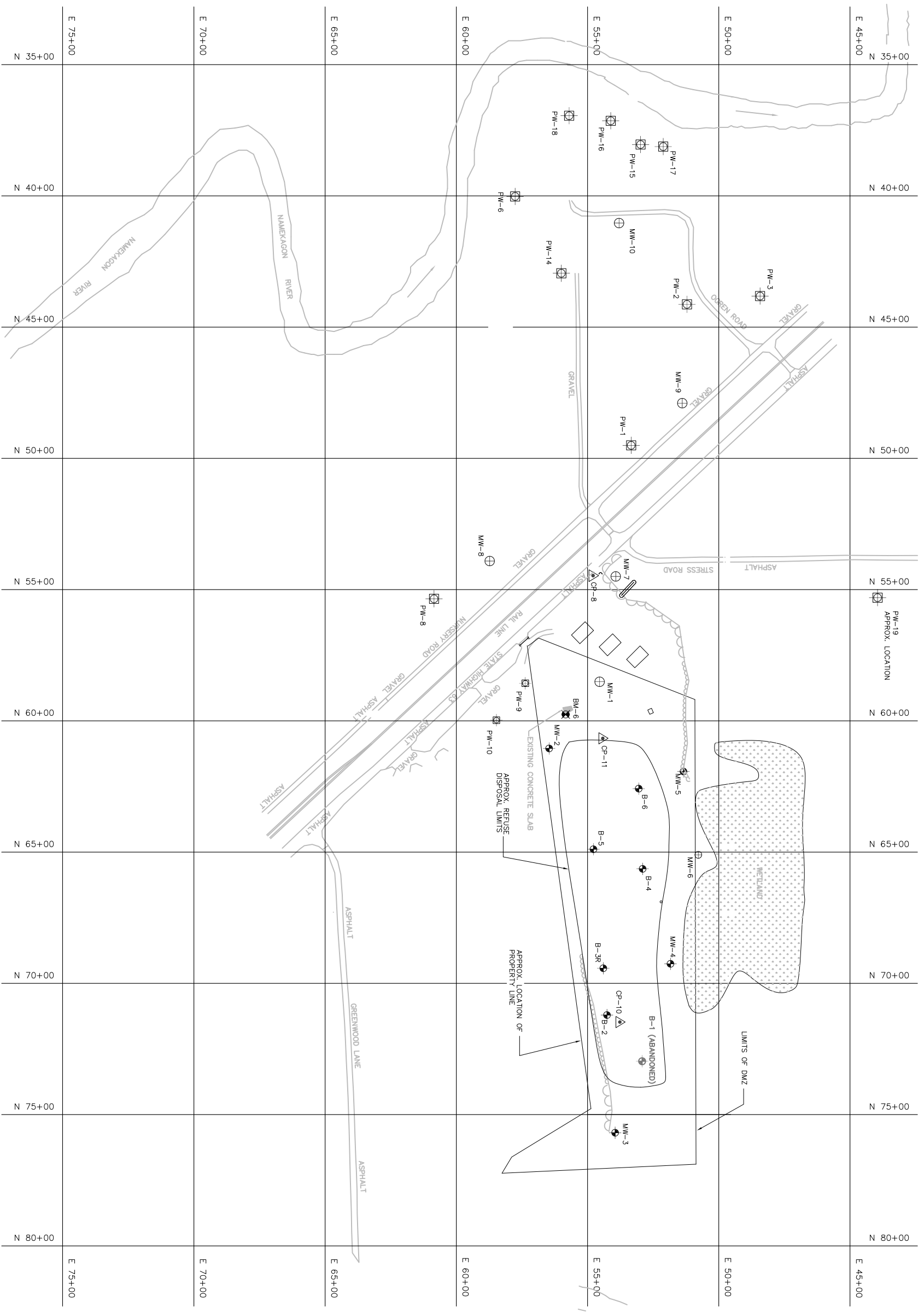
LEGEND:

□ SURVEY CONTROL POINTS/ BENCHMARKS

NO.	STATION	DESCRIPTION	ELEV.
GP-8	54+47N, 54+79E	3/4" IRON PIPE	1192.86
GP-10	71+47N, 53+77E	3/4" IRON PIPE	1199.04
CP-11	60+66N, 54+42E	5/8" REBAR	1193.71
BM-6	59+75N, 55+84E	CONCRETE CORNER	1198.95

NOTES:

- APPROXIMATE LOCATION OF FACILITY PROPERTY LINE BASED ON MAY 29, 1984 SITE SURVEY BY ANDERSON-RITTOHLE ENGINEERING + SURVEY CO.
- APPROXIMATE REFUSE DISPOSAL LIMITS BASED ON MAY 29, 1984 SITE SURVEY BY ANDERSON-RITTOHLE ENGINEERING + SURVEY CO. AND ON SITE OBSERVATIONS BY SEH.



LEGEND:

- MW-2 MONITORING WELL LOCATION AND NUMBER
- MW-1 MONITORING WELL - PIEZOMETER NEST LOCATION AND NUMBER
- PW-9 PRIVATE WELL LOCATION AND NUMBER
- B-6 TEMPORARY MONITORING WELL LOCATION AND NUMBER
- BM-6 BENCHMARK LOCATION AND NUMBER
- CP-11 SURVEY CONTROL POINT LOCATION AND NUMBER

NOTES:

1. APPROXIMATE LOCATION OF FACILITY PROPERTY LINE BASED ON MAY 29, 1984, SITE SURVEY BY ANDERSON-RITCHEE ENGINEERING + SURVEY CO.
2. APPROXIMATE REFUSE DISPOSAL LIMITS BASED ON MAY 29, 1984, SITE SURVEY BY ANDERSON-RITCHEE ENGINEERING + SURVEY CO. AND ON-SITE OBSERVATIONS BY SEH.
3. PIEZOMETERS ARE LOCATED IN GENERAL LOCATION OF CORRESPONDING NUMBERED MONITORING WELLS.

SURVEY CONTROL POINTS/ BENCHMARKS			
NO.	STATION	DESCRIPTION	ELEV.
CP-8	54+47N, 54+79E	3/4" IRON PIPE	1192.86
CP-10	71+47N, 53+77E	3/4" IRON PIPE	1199.04
CP-11	60+66N, 54+42E	5/8" REBAR	1193.71
BM-6	59+75N, 55+84E	CONCRETE CORNER	1198.95

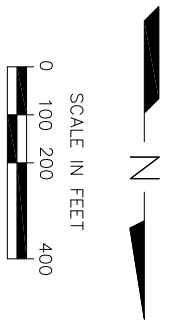
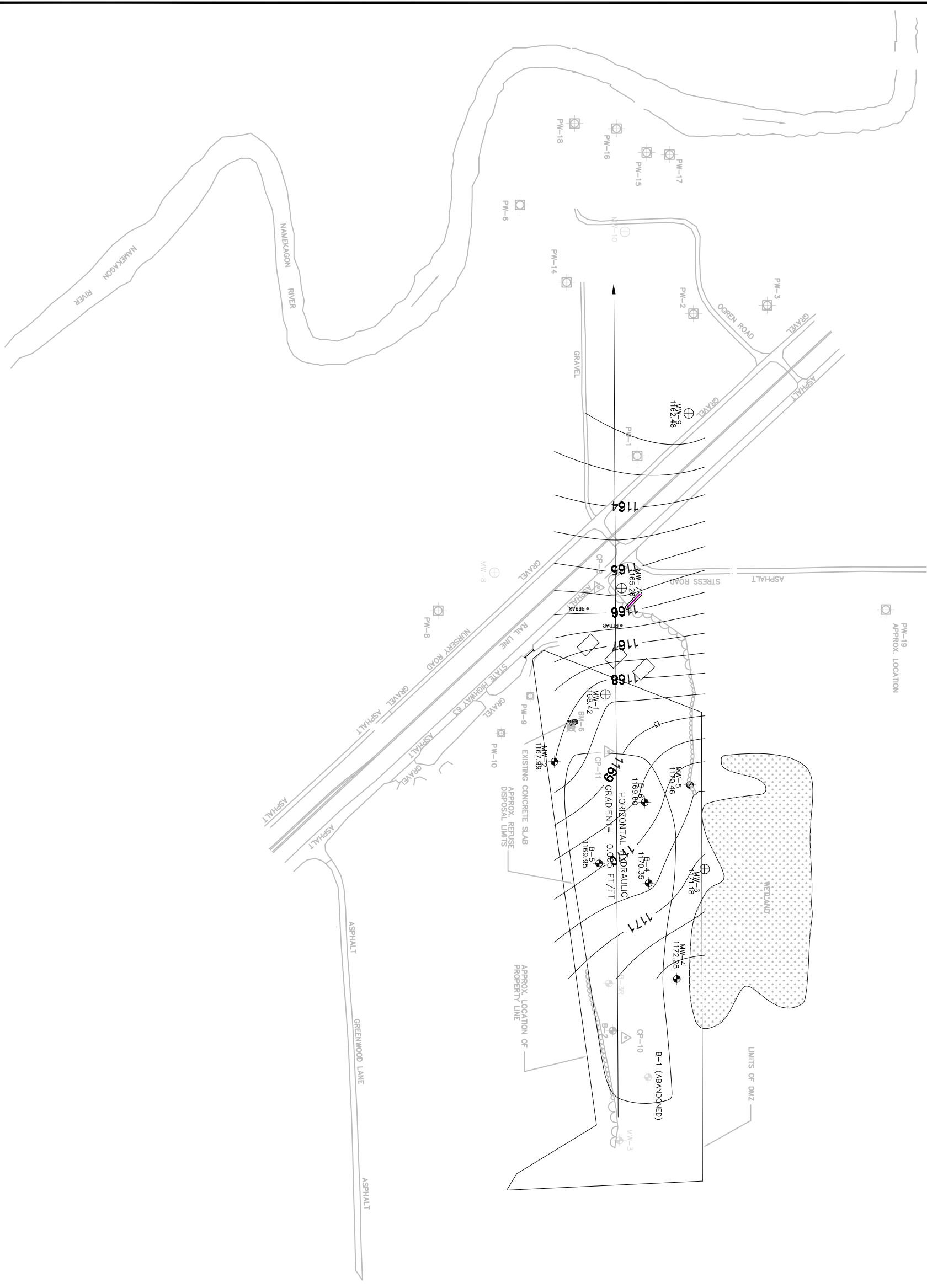
NO.	DATE	ISSUE/REVISIONS	ISSUED TO WDNR	DATE	DESIGN	FIELD REVIEW	QC CHECK
1	01/20		ISSUED TO WDNR	12/19	DESIGN		

NO.	DATE	ISSUE/REVISIONS	ISSUED TO WDNR	DATE	DESIGN	FIELD REVIEW	QC CHECK
				12/19			

OMM PROGRESS REPORT - 2019
HAYWARD LANDFILL
HAYWARD, WISCONSIN

FIGURE 3
MONITORING WELL, PIEZOMETER,
AND PRIVATE WELL LOCATIONS

PROJ. NO.	DATE	NO.
HAYMA149241	12/04/19	3
		4



LEGEND:

- MW-2 MONITORING WELL LOCATION AND NUMBER WITH WATER ELEVATION AS OF 04/19
- MW-1 MONITORING WELL - PEZOMETER NEST LOCATION AND NUMBER WITH MONITORING WELL WATER ELEVATION AS OF 04/19
- B-6 TEMPORARY MONITORING WELL LOCATION AND NUMBER WITH WATER ELEVATION AS OF 04/19
- BM-6 BENCHMARK LOCATION AND NUMBER
- CP-11 SURVEY CONTROL POINT LOCATION AND NUMBER
- PW-9 PRIVATE WELL LOCATION AND NUMBER
- 171 GROUNDWATER ELEVATION CONTOUR CONTOUR INTERVAL= 1 FT

- NOTES:**
1. APPROXIMATE LOCATION OF FACILITY PROPERTY LINE BASED ON MAY 29, 1984 SITE SURVEY BY ANDERSON-RITCHE ENGINEERING + SURVEY CO.
 2. APPROXIMATE REFUSE DISPOSAL LIMITS BASED ON MAY 29, 1984 SITE SURVEY BY ANDERSON-RITCHE ENGINEERING + SURVEY CO., AND ON SITE OBSERVATIONS BY SEH.

SURVEY CONTROL POINTS/ BENCHMARKS		
NO.	STATION	ELEV.
CP-8	54+47N, 54+79E	3/4" IRON PIPE 1192.86
CP-10	71+47N, 53+77E	3/4" IRON PIPE 1199.04
CP-11	60+66N, 54+42E	5/8" REBAR 1193.71
BM-6	59+75N, 55+84E	CONCRETE CORNER 1198.95

NO.	DATE	ISSUE/REVISIONS	DRAWN BY	DESIGN	FIELD REVIEW	QC CHECK	PROJ. NO.	DATE
1	01/20	ISSUED TO WDNR	RJH	12/19	RJH	12/19	4	12/06/19
							4	



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