

**Final Comprehensive  
Remedial Investigation Report  
Part I of IV  
Volume 5 of 7**

**For Philip Services Corporation's  
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**APPENDIX 5B**  
**MICROPURGE REPORT 2003**



**Appendix 5B**

**Evaluation of the Low-Flow  
Groundwater Sampling  
Technique (First Quarter  
2000–First Quarter 2003)**

**Philip Services Corporation  
Georgetown Facility  
Seattle, Washington**

Prepared for

Philip Services Corporation  
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## **Appendix 5B**

### **Evaluation of the Low-Flow Groundwater Sampling Technique (First Quarter 2000–First Quarter 2003)**

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## Acronyms and Abbreviations

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BTEX	benzene, toluene, ethylbenzene, and xylenes
EPA	U.S. Environmental Protection Agency
the facility	Philip Services Corporation's Georgetown facility
NTU	nephelometric turbidity units
PCE	tetrachloroethene
PSC	Philip Services Corporation
RCRA	Resource Conservation and Recovery Act
SOP	standard operating procedure
TCE	trichloroethene
VOC	volatile organic compound



## Executive Summary

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This report presents the results of Exponent's evaluation of the revised low-flow groundwater sampling procedure currently in use at Philip Services Corporation's Georgetown facility (the facility) in Seattle, Washington, and compares the revised low-flow groundwater sampling analytical data to the previous results collected with the Micropurge sampling technique. The revised low-flow groundwater sampling procedure (500 mL/min flow rate limit) was approved in March 2002 by the U.S. Environmental Protection Agency (EPA). This procedure is used at the facility to collect quarterly groundwater samples required by the existing Resource Conservation and Recovery Act permit (WAD 000 812 909) for the facility. This revised low-flow sampling procedure replaced the Micropurge groundwater sampling technique (300 mL/min flow rate limit) approved by EPA in May 1999 and used at the facility from the second quarter of 1999 to the first quarter of 2002. A 2001 evaluation of the Micropurge sampling technique showed that organics and metals data were comparable to previous results for samples collected with the previous groundwater sampling technique (1,000 mL/min flow rate limit), which was used at the site from the second quarter of 1994 through the first quarter of 1999.

Data from 21 wells were selected for this evaluation. These data characterize the shallow and intermediate groundwater quality both at the facility and downgradient of the facility. Time series plots were used to compare chemical and water quality data collected from these 21 wells. Evaluation of these time series plots showed no sudden and consistent low or high bias in concentrations of indicator analytes after the implementation of the revised low-flow technique in the second quarter of 2002. Historically high or low water quality data (i.e., data spikes) and deviations from the approved revised low-flow standard operating procedure (SOP) did not correlate with historically high or low volatile organic compounds or metals concentrations. From these observations, it can be concluded that the current revised low-flow sampling technique produced data that are comparable to previous results obtained with the Micropurge technique. In addition, it can also be concluded from these observations that occasional deviations from the revised low-flow sampling SOP that occurred at select wells during select sampling events did not correspond to high- or low-biased concentration data.

# 1 Introduction

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This report presents the results of Exponent's evaluation of the revised low-flow groundwater sampling procedure currently in use at Philip Services Corporation's (PSC's) Georgetown facility (the facility) in Seattle, Washington, and compares the revised low-flow groundwater sampling analytical data to the previous results collected with the Micropurge sampling technique. In March 2002, the U.S. Environmental Protection Agency (EPA) approved a revised low-flow groundwater sampling procedure (500 mL/min flow rate limit) for quarterly groundwater sample collection required by the Resource Conservation and Recovery Act (RCRA) permit (WAD 000 812 909) for the facility. The new procedure was implemented in the second quarter of 2002. This revised low-flow sampling procedure replaced the Micropurge groundwater sampling technique (300 mL/min flow rate limit) approved by EPA in May 1999 and used at the facility from the second quarter of 1999 to the first quarter of 2002.

In November 2001, Exponent evaluated the effectiveness of the Micropurge technique in a report submitted to PSC (Exponent 2001; for a copy of this report, see Appendix 5A in the remedial investigation report [PSC 2003]). Evaluation of time series plots with select water quality data and chemical concentration data showed no sudden and consistent low or high bias in concentrations of indicator analytes after the implementation of Micropurge sampling. The report concluded that the Micropurge sampling technique produced analytical data that were comparable to previous results collected with the low-flow groundwater sampling technique (1,000 mL/min flow rate limit) that was used at the site from the second quarter of 1994 through the first quarter of 1999. The evaluation also showed that the deviations from the Micropurge technique that occurred at various wells during sampling events did not correspond to high- or low-biased concentration data.

This report assesses the revised low-flow technique and compares the revised low-flow groundwater sampling analytical data to the previous results collected with the Micropurge sampling technique. The following analyses used in the 2001 Micropurge evaluation (Exponent 2001) will be used in this report:

- Compare quarterly analytical data collected using the revised low-flow sampling technique (SOP-124, Revision 4) for wells to analytical data collected using the previous Micropurge sampling technique (SOP-124, Revision 3) to determine if there were significant differences between analytical data collected using the two techniques.
- Identify and evaluate analytical results from groundwater monitoring wells where one or more of the following occurred:
  - A significant temperature increase
  - Average well drawdown exceeding 0.33 ft
  - A steady, low-flow rate (less than 500 mL/min) not maintained during purging
  - Aquifer effervescence (i.e., the occurrence of air in the discharge tubing and a corresponding loss of pumped flow)
- Discuss potential correlation between variations from the approved revised low-flow standard operating procedure (SOP) and sample concentrations.

This report is organized into the following sections:

- **Compilation of Available Data (Section 2)**—Provides summaries of available information related to groundwater monitoring at the facility, including well completion data, groundwater sampling techniques, chemical analytical results, and field reports.
- **Evaluation Methods (Section 3)**—Provides a discussion of the methods used in this evaluation and includes time series plots and summary tables.
- **Evaluation (Section 4)**—Provides a detailed examination of groundwater data collected before (using Micropurge) and after the implementation of the revised low-flow sampling technique. Discussions are included on potential relationships among significant temperature increases during purging, well

drawdown greater than 0.33 ft, high flow rates during purging, and the occurrence of aquifer effervescence with the reported data.

- **Summary and Conclusions (Section 5)**—Presents conclusions of the revised low-flow sampling technique evaluation.
- **References (Section 6)**—Contains a list of the documents cited in this report.

All figures and tables are presented at the end of this report.

## **2      **Compilation of Existing Data****

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Data have been collected since investigative work at the facility began in 1982. The following is a summary of the available data and a discussion of the data compiled for use in the evaluation.

### **2.1      **Well Completion Details****

Selected quarterly groundwater monitoring data from 39 wells at the facility were used for the Micropurge evaluation performed in 2001 (Exponent 2001). During the first quarter of 2002, 54 additional wells were installed offsite and at the facility. In addition, in existing wells where effervescence had occurred repeatedly in the past, PSC replaced dedicated Grundfos pumps with bladder pumps during the first quarter of 2002. Twenty-one wells (12 historical wells and 9 newly installed wells) used to characterize shallow and intermediate groundwater quality at the facility and downgradient of the facility were selected for this evaluation. Completion details for these 21 wells are summarized in Table 1 (also see Section 2.3), including the installation date, total depth, screened interval, and type of dedicated pump in the well. Complete well construction details for all wells are provided in Chapter 4 of the remedial investigation report (PSC 2003).

### **2.2      **Groundwater Sampling Techniques****

Four groundwater sampling techniques (high-volume, low-flow, Micropurge, and revised low-flow) have been used at the facility since permit-required quarterly groundwater sampling began in 1992. High-volume and low-flow techniques have already been evaluated (Exponent 2001); therefore, those procedures are not included in this report. Micropurge and revised low-flow groundwater sampling procedures are described below.

### 2.2.1 Micropurge

The Micropurge groundwater sampling technique was used at the facility to collect groundwater samples from the second quarter of 1999 to the first quarter of 2002. A copy of PSC's SOP (SOP-124, Revision 3) for Micropurge sampling is included in Attachment A. As described in the Micropurge SOP (PSC 1999), groundwater is purged at a maximum rate of 300 mL/min while maintaining a water level drawdown of less than 0.3 ft. Field parameters including temperature, oxidation reduction potential, pH, dissolved oxygen, turbidity, and conductivity are monitored at approximately 3- to 5-minute intervals. Purge rate, water level, and pump speed are also measured. Field parameters are considered stable when three consecutive readings are within  $\pm 0.1$  unit for pH,  $\pm 3$  percent for conductivity and temperature, and  $\pm 10$  percent for dissolved oxygen, oxidation reduction potential, and turbidity. Groundwater samples are collected after all field parameters have stabilized, or alternatively after either the well is purged dry twice, or after a minimum of one well volume is purged.

### 2.2.2 Revised Low-Flow

The revised low-flow groundwater sampling procedure has been used at the facility to collect groundwater samples since the second quarter of 2002. A copy of PSC's SOP for revised low-flow sampling is included in Attachment B. As described in the low-flow SOP (SOP-124, Revision 4) (PSC 2002), groundwater is purged at a maximum rate of 500 mL/min while maintaining a water level drawdown of less than 0.33 ft or a water level above the minimum value (i.e., the pump intake, or the top of the screen if the aquifer is confined). Field parameters including oxidation reduction potential, pH, dissolved oxygen, turbidity, and conductivity are monitored at approximately 3- to 5-minute intervals. Purge rate, water level, and pump speed are also measured. Field parameters are considered stable when three consecutive readings are within  $\pm 0.1$  unit for pH,  $\pm 3$  percent for conductivity,  $\pm 0.3$  mg/L dissolved oxygen,  $\pm 10$  mV oxidation reduction potential, and a turbidity value less than 5 nephelometric turbidity units (NTU) or  $\pm 10$  percent for turbidity values greater than 5 NTU. Groundwater samples are collected after all field parameters have stabilized, or alternatively, if the water level drops below the minimum value, then a minimum of two tubing volumes (including the tubing and the pump) is purged.

## 2.3 Field Parameters

As discussed in Section 2.1, each of the groundwater sampling techniques used by PSC requires that certain field parameters stabilize during well purging to ensure that groundwater from the formation, rather than stagnant casing water, is sampled. The stabilization criteria for each procedure are outlined below.

### 2.3.1 Micropurge

Field parameters monitored during Micropurge groundwater sampling (and associated stabilization requirements) were pH ( $\pm 0.01$  pH unit), conductivity ( $\pm 3$  percent), temperature ( $\pm 3$  percent), dissolved oxygen ( $\pm 10$  percent), oxidation reduction potential ( $\pm 10$  percent), and turbidity ( $\pm 10$  percent), in addition to purge rate, purge volume, and drawdown (PSC 1999). For this evaluation, Exponent calculated these stability parameters as well as the total change in groundwater temperature during purging. Methods of calculation are discussed in the 2001 Micropurge evaluation (Exponent 2001).

### 2.3.2 Revised Low-Flow

Field parameters monitored during revised low-flow groundwater sampling were considered stable when three consecutive readings were within  $\pm 0.1$  unit for pH,  $\pm 3$  percent for conductivity,  $\pm 0.3$  mg/L dissolved oxygen,  $\pm 10$  mV oxidation reduction potential, and when turbidity values were less than 5 NTU or  $\pm 10$  percent for turbidity values greater than 5 NTU (PSC 2002). In addition, the purge rate, purge volume, and drawdown were also monitored. Methods of calculation outlined in the revised low-flow SOP (PSC 2002) are given below (where X equals the last three water quality readings).

- To calculate the stability of pH:

$$\text{pH Change} = \text{Maximum X} - \text{Minimum X.}$$

- To calculate the stability of conductivity:

$$\text{Conductivity Change} = \text{Maximum X} - \text{Minimum X}$$

$$\text{Conductivity Mean} = (\text{Maximum X} + \text{Minimum X})/2$$

$$\text{Relative Percent Difference} = (\text{Conductivity Change}/\text{Conductivity Mean}) \times 100.$$

- To calculate the stability of dissolved oxygen and oxidation reduction potential:

$$\text{Parameter Change} = \text{Maximum X} - \text{Minimum X.}$$

- To calculate the stability turbidity if  $X > 5$  NTU:

$$\text{Turbidity Change} = \text{Maximum X} - \text{Minimum X}$$

$$\text{Turbidity Mean} = (\text{Maximum X} + \text{Minimum X})/2$$

$$\text{Relative Percent Difference} = (\text{Turbidity Change}/\text{Turbidity Mean}) \times 100.$$

For this evaluation, Exponent also calculated the total change in groundwater temperature during purging. In order to avoid using outlier values attributed to equipment startup during initiation of sample collection procedures, the first two purge rate and temperature readings (typically the first 6 minutes of purging) were not used in the determination of the maximum purge rate and the total change in groundwater temperature during purging. An exception to this was made if there were only four readings for a sample. In these cases, only the last three readings were used; the initial reading was not used.



## 2.4 Groundwater Quality Data

Groundwater monitoring data have been collected as part of various facility investigations since 1982. Collection of quarterly groundwater data required by the RCRA permit for the facility began in the third quarter of 1992. The monitoring program included analyses for volatile organic compound (VOCs), semivolatile organic compounds, pesticides and polychlorinated biphenyls, and metals. Groundwater monitoring data used for the 2001 Micropurge evaluation (Exponent 2001) and the current revised low-flow evaluation are discussed below.

### 2.4.1 Micropurge

The 2001 Micropurge evaluation (Exponent 2001) was performed using data from the fourth quarter of 1997 through the first quarter of 2001. This time period was chosen because naturally occurring chemical migration and degradation complicates the comparison of more recent monitoring results to older monitoring results (e.g., comparing data collected in 1992 to data collected in 2000). Indicator chemicals were selected from the data set for initial identification of differences that might be attributable to the sampling methods used. These indicator chemicals included the following VOCs: benzene, toluene, ethylbenzene, xylenes (BTEX), tetrachloroethene (PCE), trichloroethene (TCE), and 2,4-dimethylphenol; and the following unfiltered (total) metals: arsenic, chromium, lead, and zinc. A discussion of the criteria used to select indicator chemicals is included in the 2001 Micropurge evaluation (Exponent 2001; see Appendix 5A in the remedial investigation report [PSC 2003]).

### 2.4.2 Revised Low-Flow

For the current evaluation of the revised low-flow sampling procedure, data from the first quarter of 2000 through the first quarter of 2003 are used because they include both Micropurge and revised low-flow sampling techniques. (This data set, the first quarter of 2000 through the first quarter of 2003, is also being evaluated in the remedial investigation report and risk assessment [PSC 2003 and PIONEER 2003, respectively]). The data do not include event-related changes (i.e., data spikes) that were observed in some wells during the third and fourth

quarters of 1999 (Exponent 2001). These data spikes are likely due to laboratory error. The same indicator chemicals were used in this evaluation as in the 2001 Micropurge evaluation to ensure comparability and consistency between the two evaluations. Groundwater data from a total of 21 wells were analyzed for this evaluation (see Table 1 for list of wells), instead of all wells sampled as part of the facility's RCRA permit. The 21 wells included 12 of the 39 wells included in the 2001 Micropurge evaluation and 9 of the 54 new wells installed at the facility during the first quarter of 2002 and sampled beginning in the second quarter of 2002.

## 3 Evaluation Methods

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Changes in analyte concentrations or trends could be attributable to changes in the source, natural attenuation, fluctuations in water levels or flow directions, or other unmeasured variables. Therefore, standard statistical methods would not provide meaningful analysis regarding the cause of such changes. Exponent used the data sets established in the previous section to perform the evaluations outlined in Section 1 using the following methods: analysis of time series plots of indicator chemicals and select field parameters, and analysis of a summary table of variations from SOP protocols. Each assessment method is discussed below.

### 3.1 Time Series Plots

Time series plots comparing concentration data collected using both Micropurge and revised low-flow techniques were created to detect patterns that could be attributable to any changes in sampling technique. Time series plots could show trends indicative of program-related changes such as a sudden and consistent low or high bias in concentrations of indicator analytes corresponding to the implementation of the revised low-flow sampling technique. Such a change would indicate that the revised low-flow technique had an effect on sample concentrations, either positively or negatively. For example, a decrease in VOC concentrations might be expected with the increased allowable purge rate limit (from 300 mL/min to 500 mL/min) because slightly higher purge rates may increase the possibility of aeration and volatilization. One might also expect an increase in metals concentrations with the increased allowable purge rate limit (from 300 mL/min to 500 mL/min) because of possible increased turbidity and suspended particulate matter. Exponent also reviewed data for other possible program-related changes such as sudden and constant changes in field parameter values. For example, well drawdown and turbidity may increase with the implementation of the revised low-flow sampling technique due to the slightly higher purge rate limit (from 300 mL/min to 500 mL/min).

The time series plots were also evaluated for event-related changes (i.e., data spikes). Data spikes in concentrations (either high or low) are likely due to laboratory error (which is beyond

the scope of this evaluation) or to variations from the approved Micropurge and revised low-flow SOPs (e.g., field parameters not stabilized before collecting sample, high purge rate). If VOC compounds and metals concentrations were related to field parameter spikes, then each field parameter spike should have a corresponding concentration spike.

Time series plots showing concentrations of organic indicator analytes (i.e., BTEX, PCE, TCE, and 2,4-dimethylphenol), along with values for well drawdown, turbidity, temperature, change in temperature during purging, maximum flow (i.e., purge rate limit), and observed aquifer effervescence, are presented for selected wells from the first quarter of 2000 through the first quarter of 2003 in Figures 1a–21a. (Revised low-flow sampling began in the second quarter of 2002.) Indicator metals (i.e., arsenic, chromium, lead, and zinc) were measured inconsistently in the selected wells, but to assure comparability between the two evaluations, they are presented along with the field parameters listed above in corresponding Figures 1b–21b.

### **3.2 Summary Tables of Variations from SOPs**

Field data from the individual sampling events were reviewed and compared to the applicable sampling protocols to evaluate compliance with the sampling requirements outlined in the respective SOPs for Micropurge and revised low-flow procedures (PSC 1999 and PSC 2002, respectively). Table 2 lists variations from the Micropurge and revised low-flow sampling requirements by well and by quarter. Variations from the SOPs were determined per the procedures outlined in Section 2.3.1 and Section 2.3.2.

## 4 Evaluation

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In this section, program and event observations are discussed in detail with respect to the revised low-flow technique. In addition, the relation, if any, is evaluated between significant temperature increases, well drawdown, high flow rate, field parameter stabilization, variations from the approved Micropurge SOP, and concentration spikes, either high or low.

### 4.1 Groundwater Sampling Program Changes

Groundwater data were evaluated using time series plots to compare data collected using the revised low-flow technique to the Micropurge technique to determine if there were significant differences between analytical data collected using the different techniques. The primary program change that occurs is the increase of the purge rate limit from 300 mL/min under the Micropurge technique to a purge rate limit of 500 mL/min under the revised low-flow sampling procedure. While several wells have event changes (i.e., data spikes), which are discussed in Section 4.2, there is no sudden and consistent low or high bias in concentrations of indicator analytes corresponding to the implementation of the revised low-flow sampling technique.

Potential program-related temperature changes were observed for well CG-103-S1. The time series plots for this well (Figures 4a and 4b) show a consistent decrease in the water temperature change during sampling, which coincides with the implementation of the revised low-flow sampling procedure. However, other facility wells had no similar consistent change. Aquifer effervescence was observed during many of the sampling periods associated with the higher change in water temperature. Increased pump motor stress under these conditions is believed to be the cause of these temperature increases. The potential relationship between these observed decreases in water temperature changes and sample concentrations is further evaluated in Section 4.3.1.

## 4.2 Groundwater Sampling Event Changes

Event changes (i.e., data spikes) are observed on some of the time series plots of organic analytes during use of the Micropurge and revised low-flow sampling procedures. A summary of these observations is provided in Table 3. Of the wells used for this evaluation, only one data spike was observed after the implementation of the revised low-flow sampling procedure (well CG-105-S2). The other event changes observed on the time series plots of organic analytes occurred when PSC was using the Micropurge technique. A review of the trend graphs for these wells showed that field parameter spikes did not correspond to concentration spikes and that data collected using the Micropurge and the revised low-flow sampling procedures were comparable. Selected examples are discussed below.

- In well CG-105-S2, a relatively high concentration of toluene was observed in the second quarter of 2002 (Figure 11a). There were no corresponding spikes in water quality data and the associated water quality parameters were similar to those observed historically in that well.
- In well CG-105-S1, a relatively low concentration of 2,4-dimethylphenol was observed in the first quarter of 2001 (Figure 10a). The change in temperature for that quarter appears to be high compared to some other quarters, but not out of the range of temperature changes observed historically. In addition, other relatively high temperature changes did not have similar low concentrations of compounds.
- In well CG-104-S1, relatively low concentrations of benzene and ethylbenzene were observed in the second quarter of 2000 (Figure 7a). There were no corresponding spikes in water quality data and the associated water quality parameters were similar to those observed historically in that well.
- In well CG-2-S1, relatively high concentrations of ethylbenzene, PCE, and TCE were observed in the first quarter of 2002 (Figure 1a). There were no corresponding spikes in water quality data and the associated water quality parameters were similar to those observed historically in that well.

- In well CG-103-S1, relatively high concentrations of ethylbenzene, toluene, and xylenes were observed in the first quarter of 2002 (Figure 4a). The only field parameter spike observed in the first quarter of 2002 was in turbidity. A similar spike in turbidity was observed in the third quarter of 2002, yet there was not a corresponding spike in VOC concentrations in the same third quarter.

Few event changes (i.e., data spikes) are observed on the time series plots for metals. A summary of these observations is provided in Table 4. Field parameters were evaluated to determine if field parameter spikes were related to a change in metals concentrations observed in a well. A review of the trend graphs for these wells showed that spikes in water quality data were not consistently related to spikes (either high or low) in metals concentrations. Selected examples are discussed below.

- In well CG-104-S1, arsenic was not detected in the first and second quarters of 2001 (Figure 7b). Water quality parameters for those quarters were similar to those observed historically in that well. Flow rates for those quarters were below the 300 mL/min limit of the Micropurge technique and equivalent to flow rates observed in the second and fourth quarters of 2000, when arsenic was detected in the well.
- In wells CG-114-75 and CG-122-60, elevated concentrations of arsenic were observed in the second quarter of 2002 (Figures 13b and 16b, respectively). High turbidity measurements were also observed in both wells that quarter (stabilized per SOP at 162 NTU in CG-114-75 and not stabilized per SOP at 351 NTU in CG-122-60). These wells were installed and developed in the first quarter of 2002; therefore, the high turbidity seen in the second quarter of 2002 could be the result of sediment suspended during well installation activities. This does not appear to be a consistent pattern in the wells installed and developed in the first quarter of 2002 given that 1) well CG-124-70 had relatively high turbidity (73.8 NTU) and consistent arsenic concentrations in the second and fourth quarters of 2002 (Figure 18b), and

2) relatively high turbidity was not observed in other wells installed and developed in the first quarter of 2002 (e.g., 6.7 NTU in CG-121-40 [Figure 15b] and 10.8 NTU in CG-124-40 [Figure 17b]). In addition, the deeper wells (e.g., CG-124-70) are generally screened in more fine-grained material than the more shallow wells, which are screened between 20 and 50 ft (e.g., CG-121-40).

## 4.3 Water Quality Parameters

To evaluate the potential effects on sample concentration caused by significant temperature increases during purging, well drawdown greater than 0.33 ft, the occurrence of aquifer effervescence, and high flow rate with reported data, Exponent used various methods including time series plots and summary tables. These potential relationships between water quality parameters and the reported data are discussed below.

### 4.3.1 Significant Temperature Increase During Purging

The relationship between significant temperature increases during purging and low sample concentration bias was evaluated by comparing the change in temperature (graphed on the time series plots for each well) to concentration data in a well. Time series plots show that there is no consistent relationship between temperature increases in a well and indicator organic compound or metals concentrations. For example, temperature increases in well CG-103-S1 during the first quarter of 2001 through the fourth quarter of 2001 (where temperature changes ranged from 10.1 to 13.7°F) do not appear to correspond to higher or lower organics and metals concentrations (Figures 4a and 4b). Similarly, well CG-105-I (Figures 9a and 9b) had relatively higher temperature changes in the second and third quarters of 2001 (7.7 and 7.4°F, respectively) but no corresponding high or low organics and metals concentrations. Given this information, a relationship between significant temperature increases during purging and low sample concentration bias does not appear to exist.



### 4.3.2 Significant Well Drawdown

For this evaluation, significant well drawdown was considered to be those instances where drawdown exceeded the 0.33 ft maximum criterion specified in PSC's revised low-flow SOP (PSC 2002). Time series plots and Table 2 show that wells sampled using the low-flow sampling procedure did not exceed the drawdown limit of 0.33 ft.

### 4.3.3 Aquifer Effervescence

Aquifer effervescence is a term used by PSC to describe a situation where air is observed in the discharge tubing during well purging with a corresponding loss of pumped flow rate. This results in shutting down and subsequently restarting the pump (sometimes several times) in order to obtain a sample. Aquifer effervescence was observed in wells CG-2-S1, CG-103-I, CG-103-S1, CG-105-S1, CG-105-S2, and CG-113-S1 when samples were collected using the Micropurge technique (Table 2). In the first quarter of 2002, the Grundfos pumps in CG-2-S1, CG-103-I, CG-103-S1, CG-105-S1, and CG-105-S2 were replaced with bladder pumps while the Grundfos pump in well CG-113-S1 was not replaced. After the implementation of the revised low-flow sampling procedure and replacement of the dedicated pumps, aquifer effervescence was only observed in well CG-113-S1 (Figures 12a and 12b), which still has a Grundfos pump. Organics and metals concentrations for those quarters where aquifer effervescence was observed in a well are consistent with historical concentrations.

### 4.3.4 High Flow Rate

For the purposes of this evaluation, a high flow rate is defined as those instances where the maximum flow rate prior to sampling exceeded the SOP protocol of 500 mL/min. One exceedance of the 500 mL/min purge rate was observed after the implementation of the revised low-flow sampling procedure (Table 2). This occurred in well CG-113-S1 during the third quarter of 2002 (Figures 12a and 12b). Concentrations of indicator organic compounds and metals are consistent with historical concentrations in this well and do not appear to be biased either high or low.

## 5 Summary and Conclusions

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In this report, Exponent evaluated the comparability of data collected with the revised low-flow sampling procedure currently used at PSC's Georgetown facility with data collected using the Micropurge technique. Observations from this evaluation include:

- Time series plots showed no sudden and consistent high or low bias in concentrations of indicator analytes after the implementation of the revised low-flow sampling method.
- For data evaluated over the entire period (i.e., the first quarter of 2000 to the first quarter of 2003), two spikes in metals data appeared to correspond with a spike in an associated water quality parameter. Elevated concentrations of arsenic associated with relatively high turbidity were observed in CG-114-75 and CG-122-60 during the second quarter of 2002. One of these samples was collected when turbidity had stabilized (CG-114-75) and the other sample was collected when turbidity had not stabilized (CG-122-60). Both of these spikes occurred during the first monitoring period after well installation.
- In instances where there were variations from the SOP guidelines (either Micropurge or revised low-flow procedures), there was no observed sudden and consistent high or low bias in concentrations of organic compounds. As discussed above, one sample that was collected when turbidity had not stabilized (CG-122-60 during the second quarter of 2002) had an associated elevated concentration of arsenic. This same relationship was not observed during other quarters where samples were collected when turbidity had not stabilized.

Based on these observations, Exponent concludes that the revised low-flow sampling methods employed since the second quarter of 2002 have resulted in data of comparable quality to that produced using the Micropurge sampling method. Exponent's review shows that variations from PSC's SOP protocols within the ranges observed during this evaluation did not correspond to high- or low-biased concentration data.

## 6 References

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Exponent. 2001. Evaluation of the effectiveness of Micropurge groundwater sampling technique, Philip Services Corporation Georgetown facility, Seattle, WA. Exponent, Bellevue, WA.

PIONEER. 2003. Final remedial investigation report. Part II. Human health and ecological risk assessment. PIONEER Technologies Corporation, Olympia, WA.

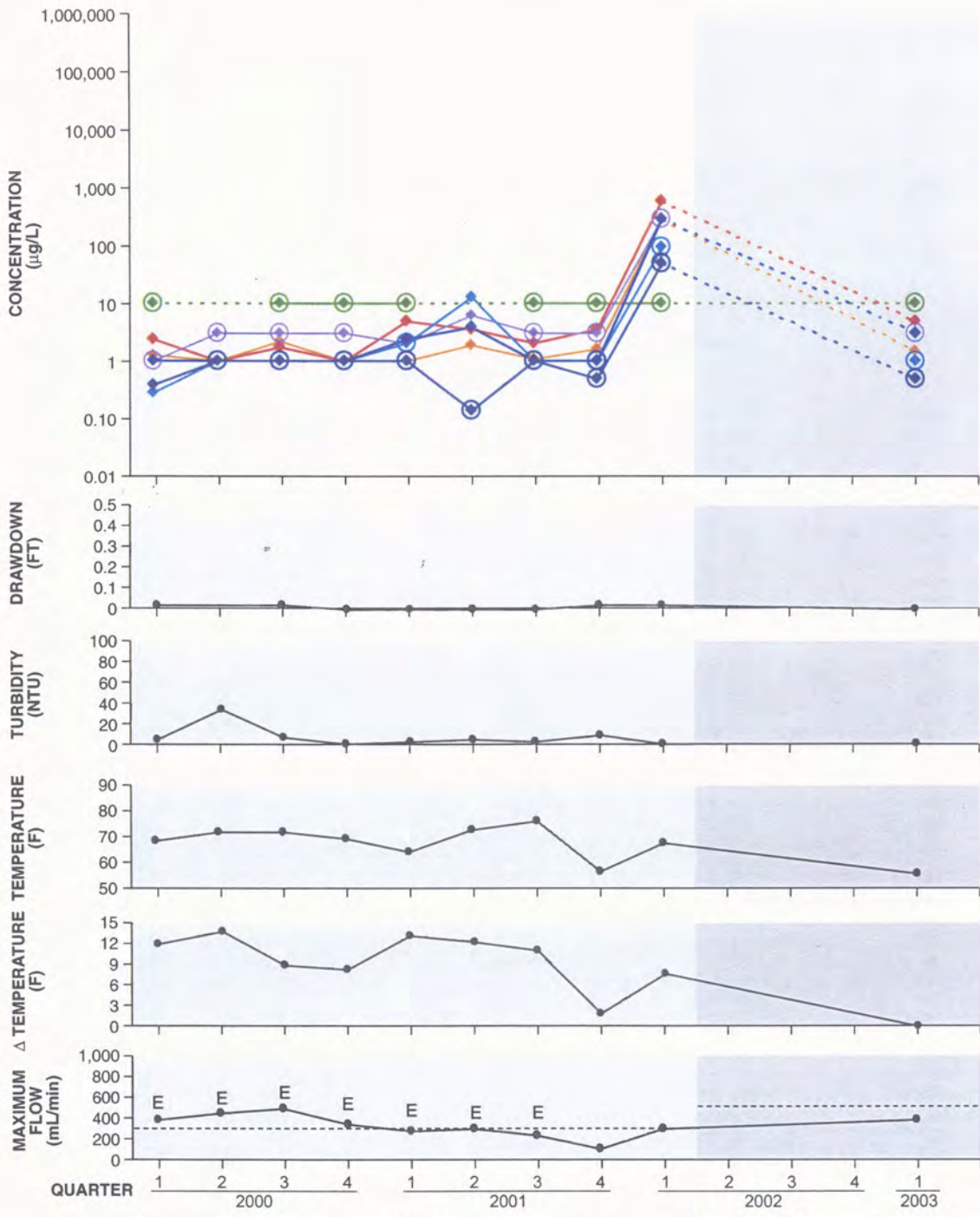
PSC. 1999. Micropurge ground water sampling procedure. SOP No. PSC-124, Revision No. 3. Philip Services Corporation, Renton, WA.

PSC. 2002. Micropurge ground water sampling procedure. SOP No. PSC-124, Revision No. 4. Philip Services Corporation, Renton, WA.

PSC. 2003. Final remedial investigation report, PSC Georgetown facility. Philip Services Corporation, Renton, WA.

## **Figures**

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300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 1a. Time series plots of selected organic analytes and field parameters for well CG-2-S1

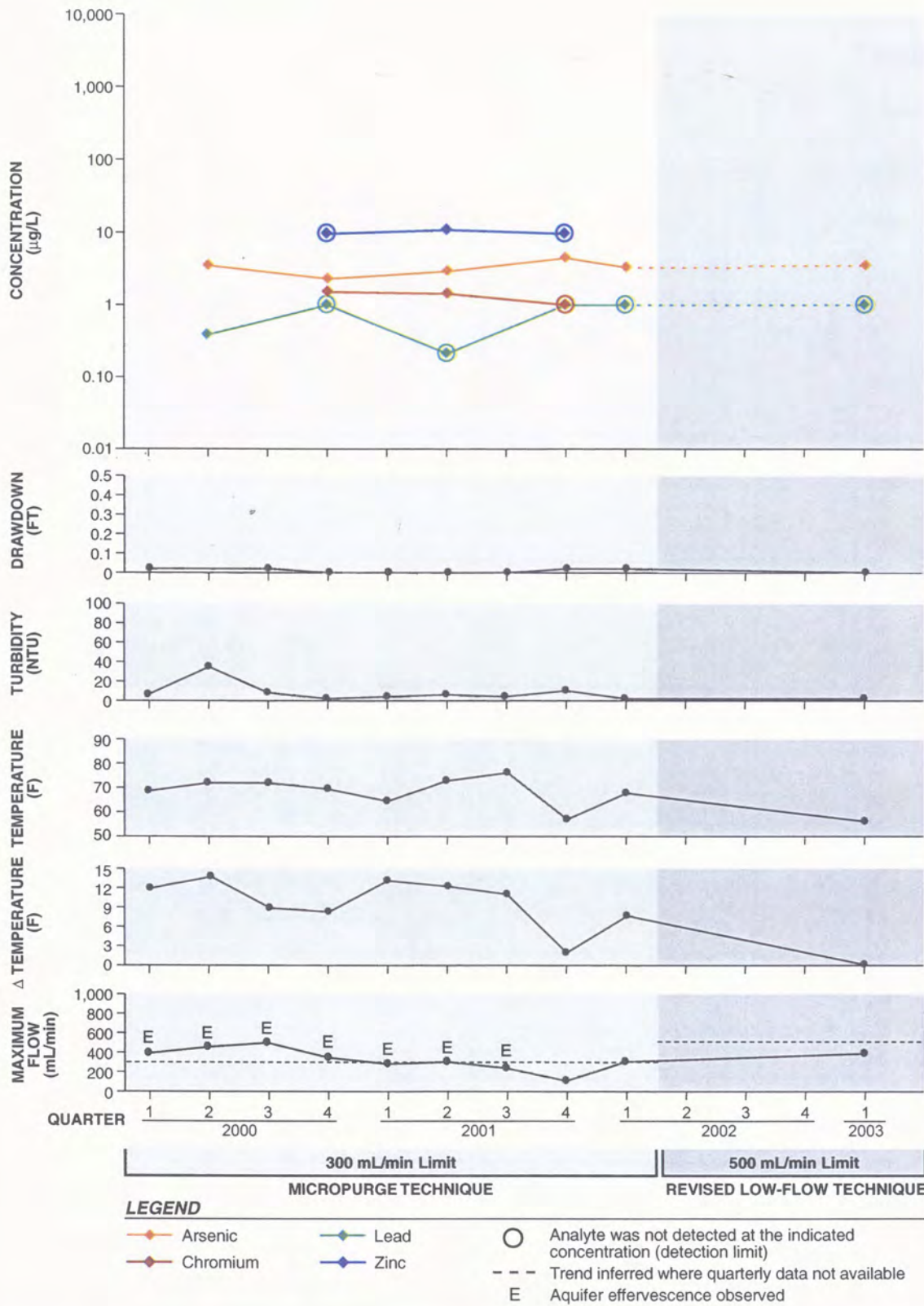
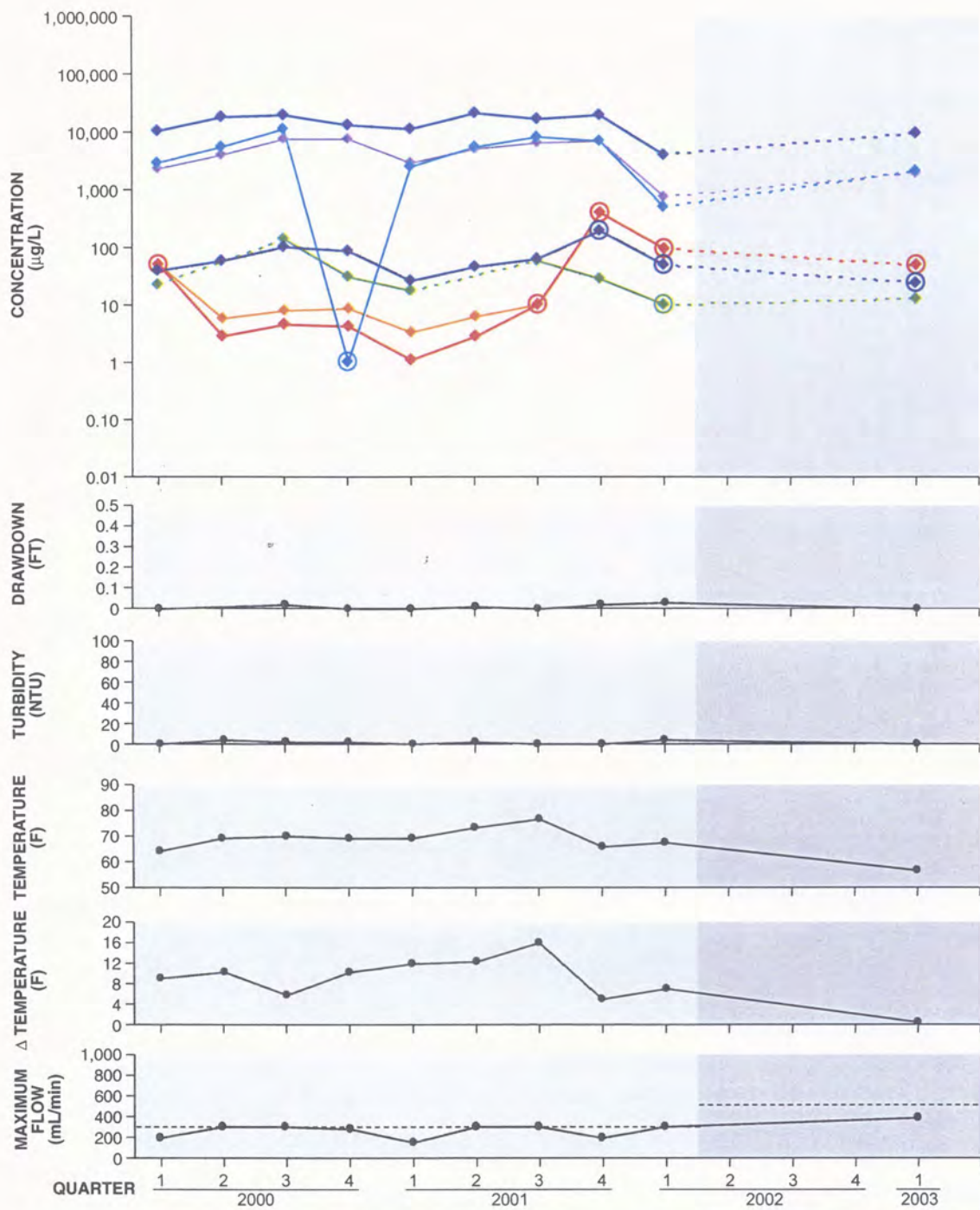


Figure 1b. Time series plots of selected metals and field parameters for well CG-2-S1





300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

**LEGEND**

- |                |                      |   |
|----------------|----------------------|---|
| ◆ Benzene      | ◆ Trichloroethene    | ○ Analyte was not detected at the indicated concentration (detection limit) |
| ◆ Ethylbenzene | ◆ Tetrachloroethene  | - - - Trend inferred where quarterly data not available                     |
| ◆ Toluene      | ◆ 2,4-Dimethylphenol | E Aquifer effervescence observed  |
| ◆ Total Xylene |                      |   |

Figure 2a. Time series plots of selected organic analytes and field parameters for well CG-9-S1

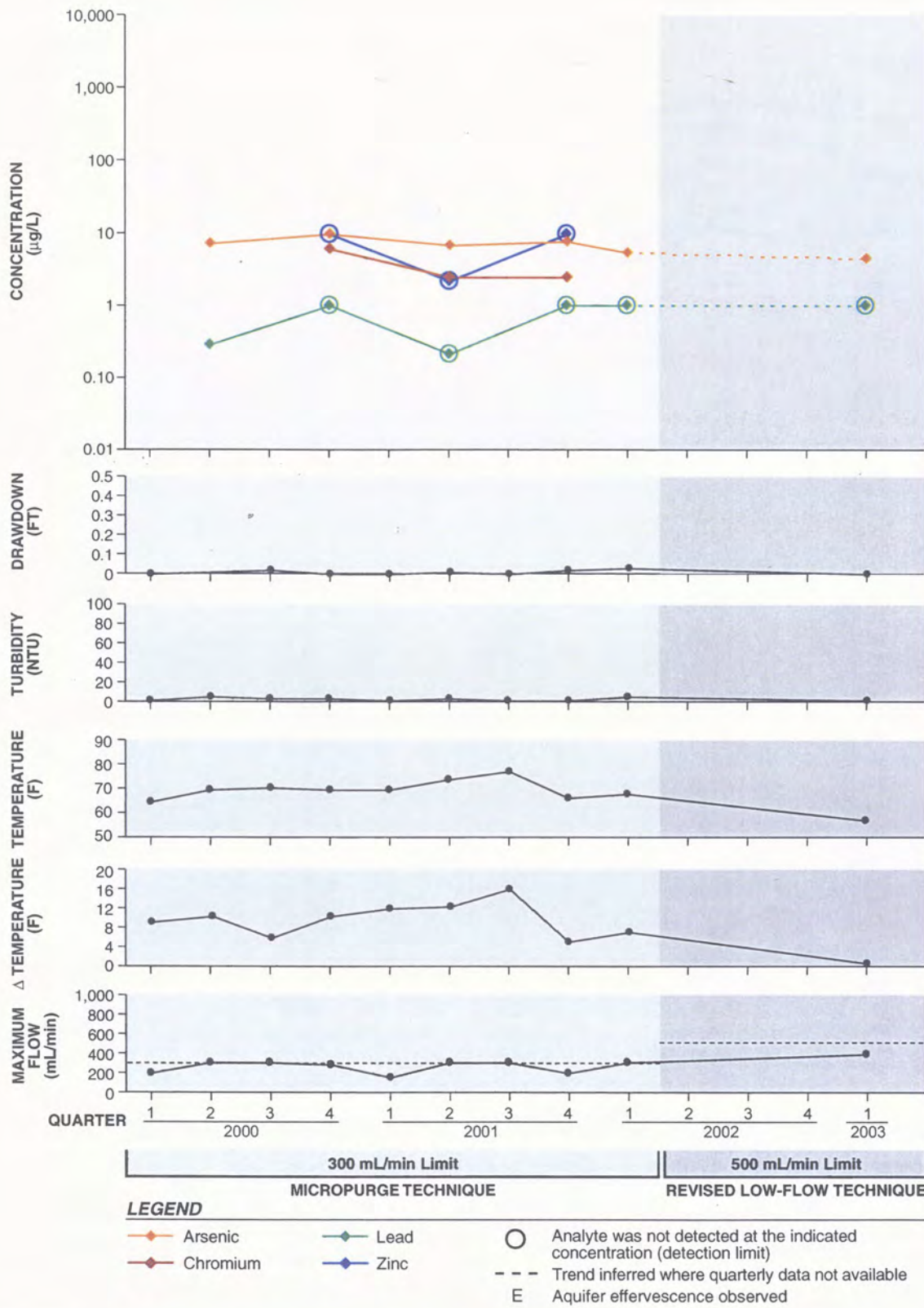
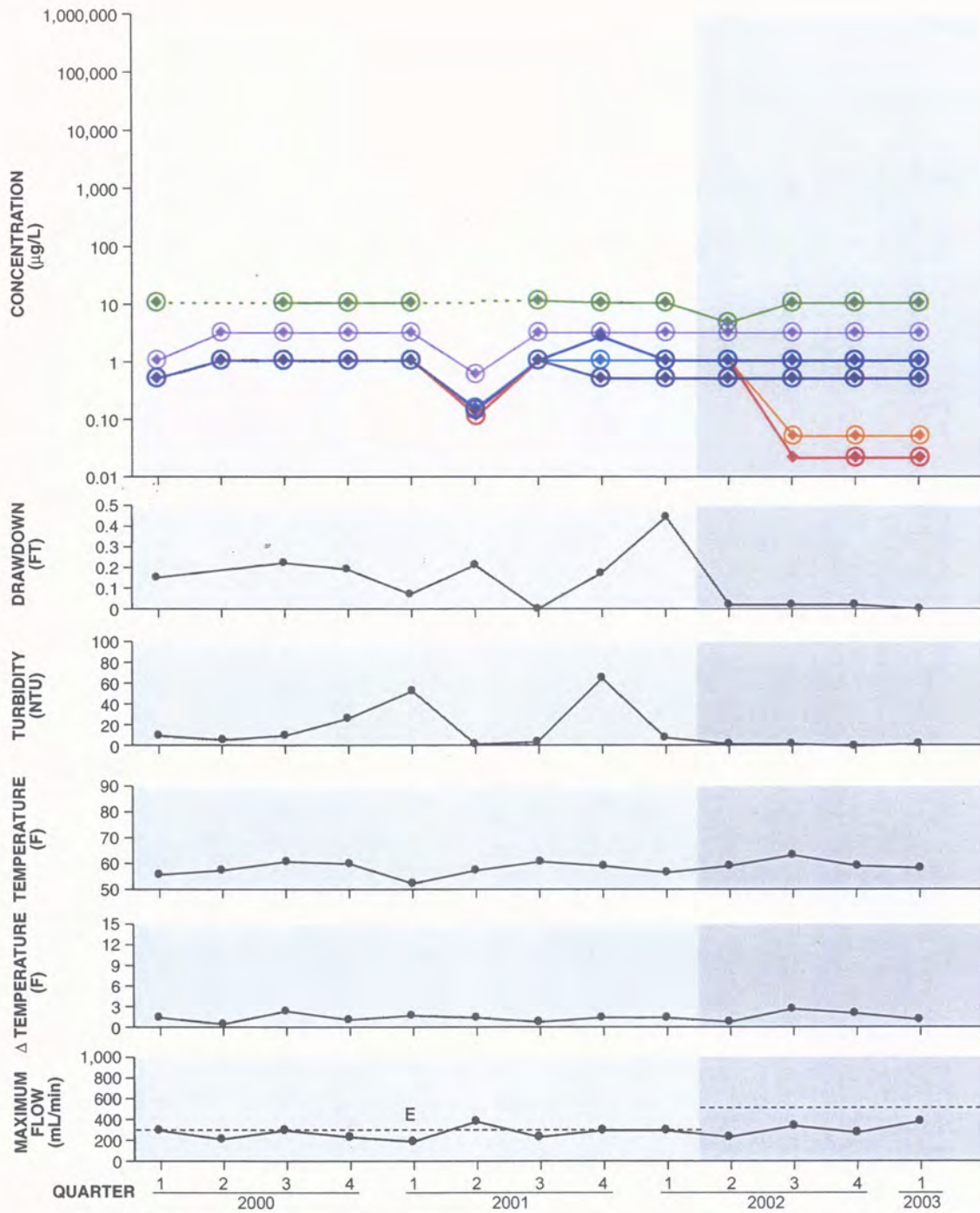


Figure 2b. Time series plots of selected metals and field parameters for well CG-9-S1





300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 3a. Time series plots of selected organic analytes and field parameters for well CG-103-1

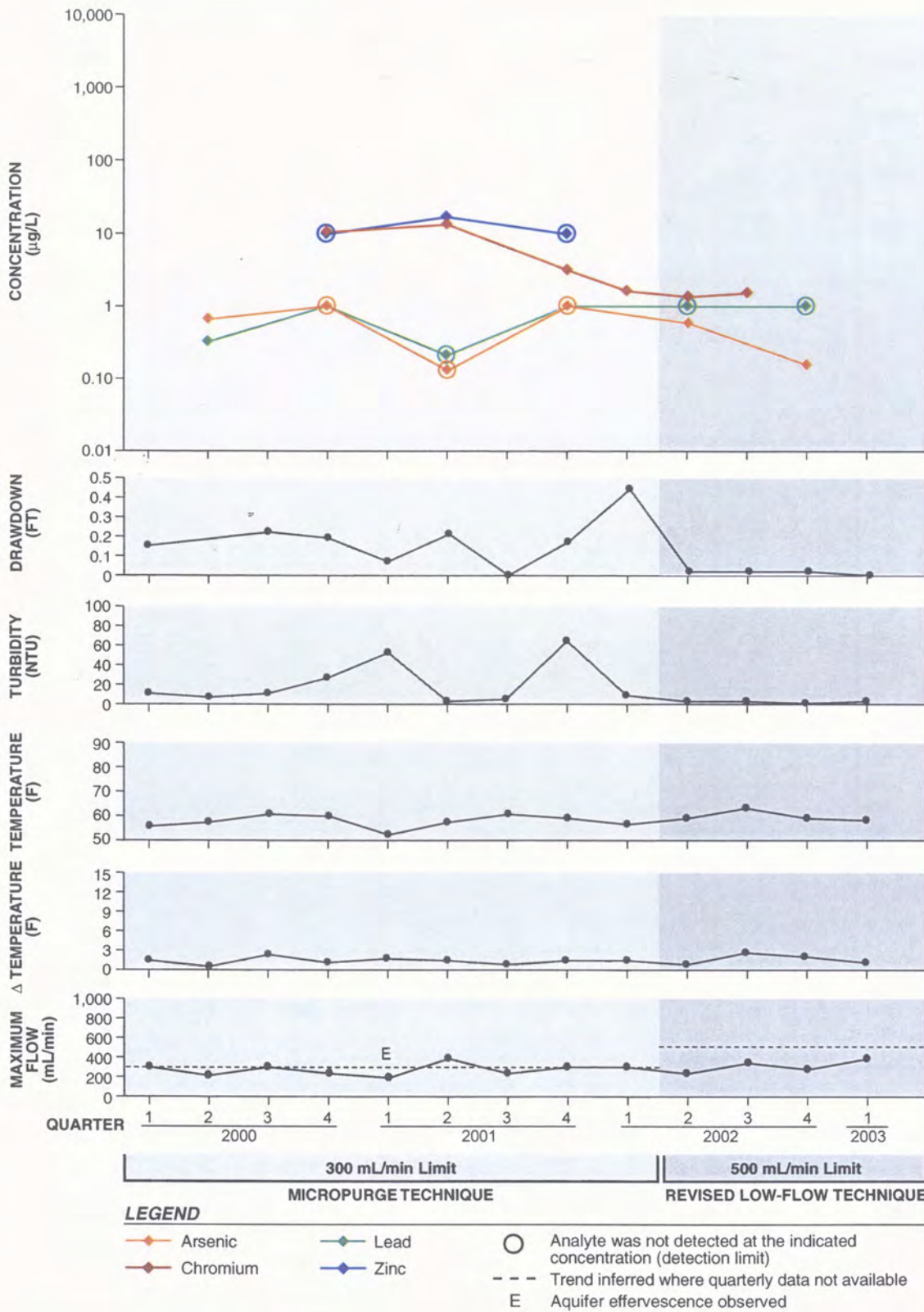


Figure 3b. Time series plots of selected metals and field parameters for well CG-103-I



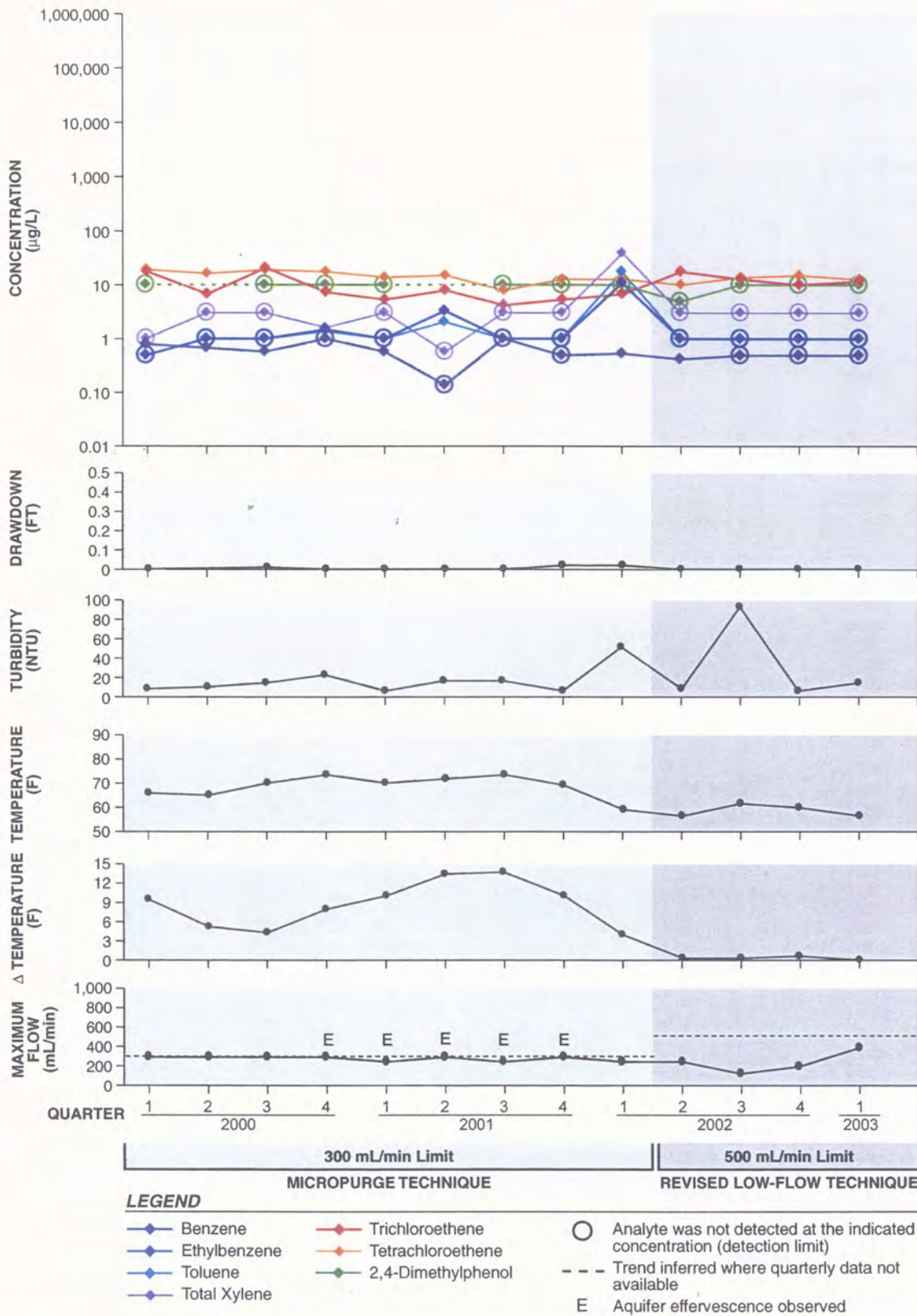
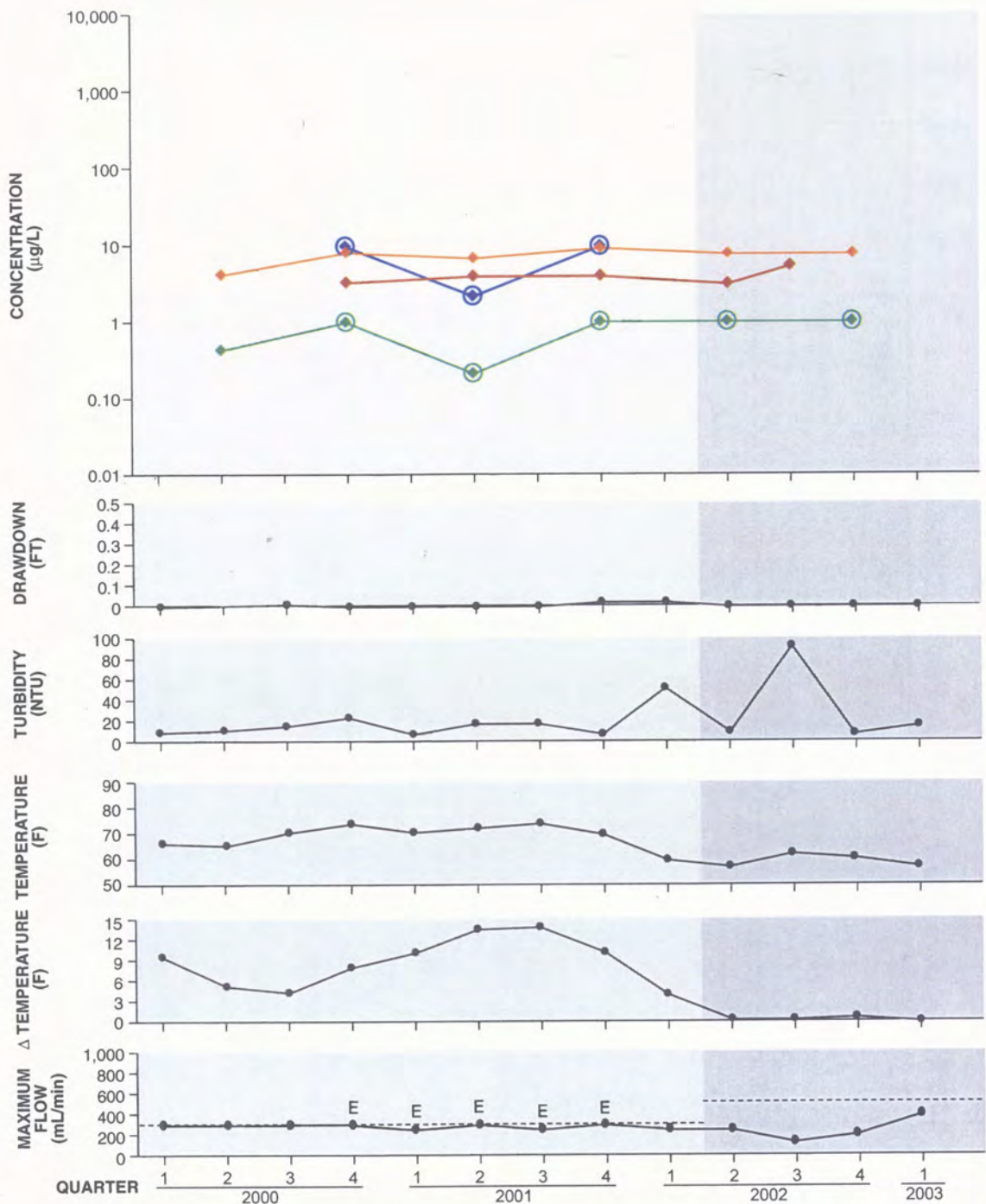


Figure 4a. Time series plots of selected organic analytes and field parameters for well CG-103-S1



**LEGEND**

- Arsenic
- ◇— Chromium
- ◇— Lead
- ◇— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 4b. Time series plots of selected metals and field parameters for well CG-103-S1



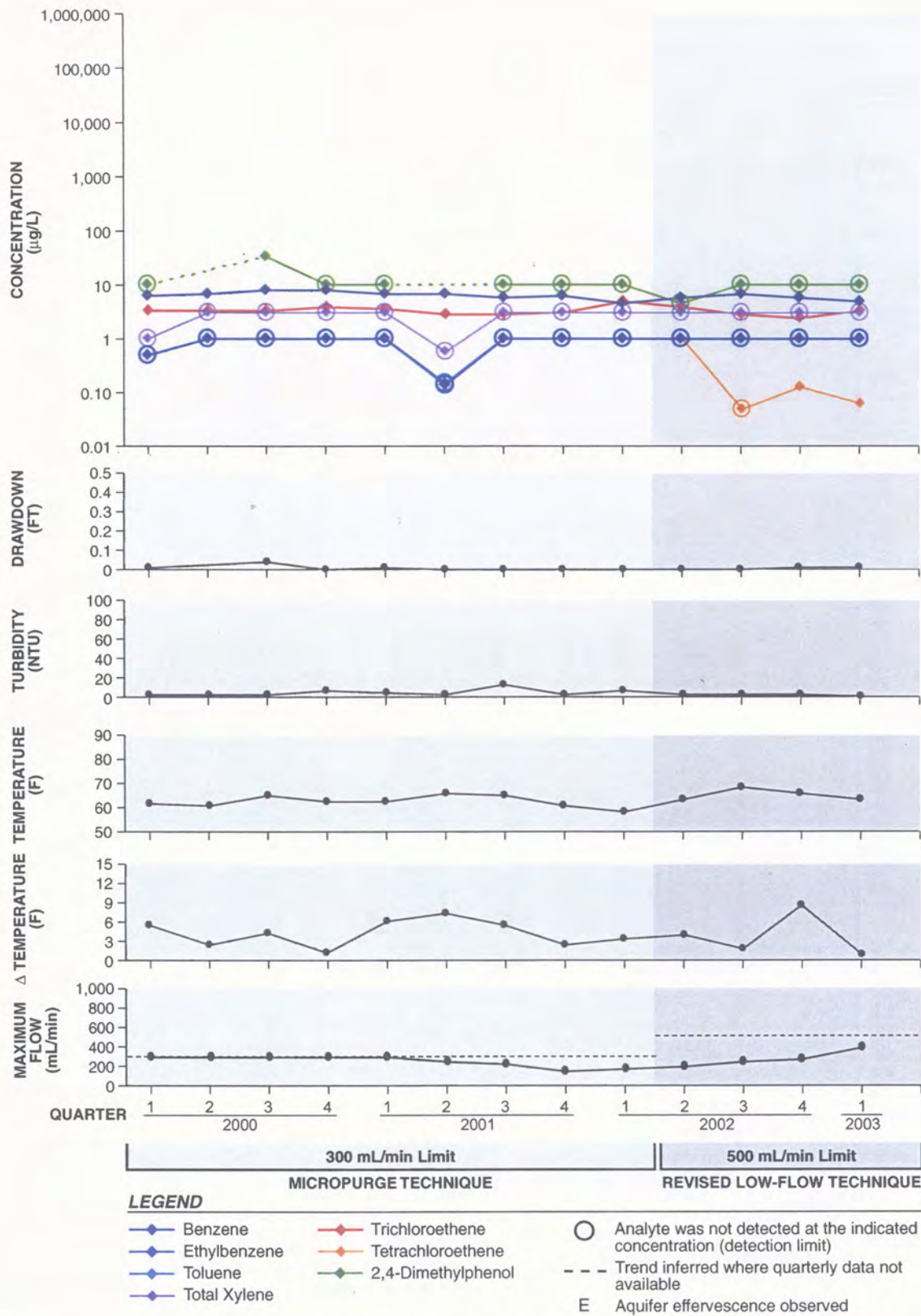


Figure 5a. Time series plots of selected organic analytes and field parameters for well CG-103-S2

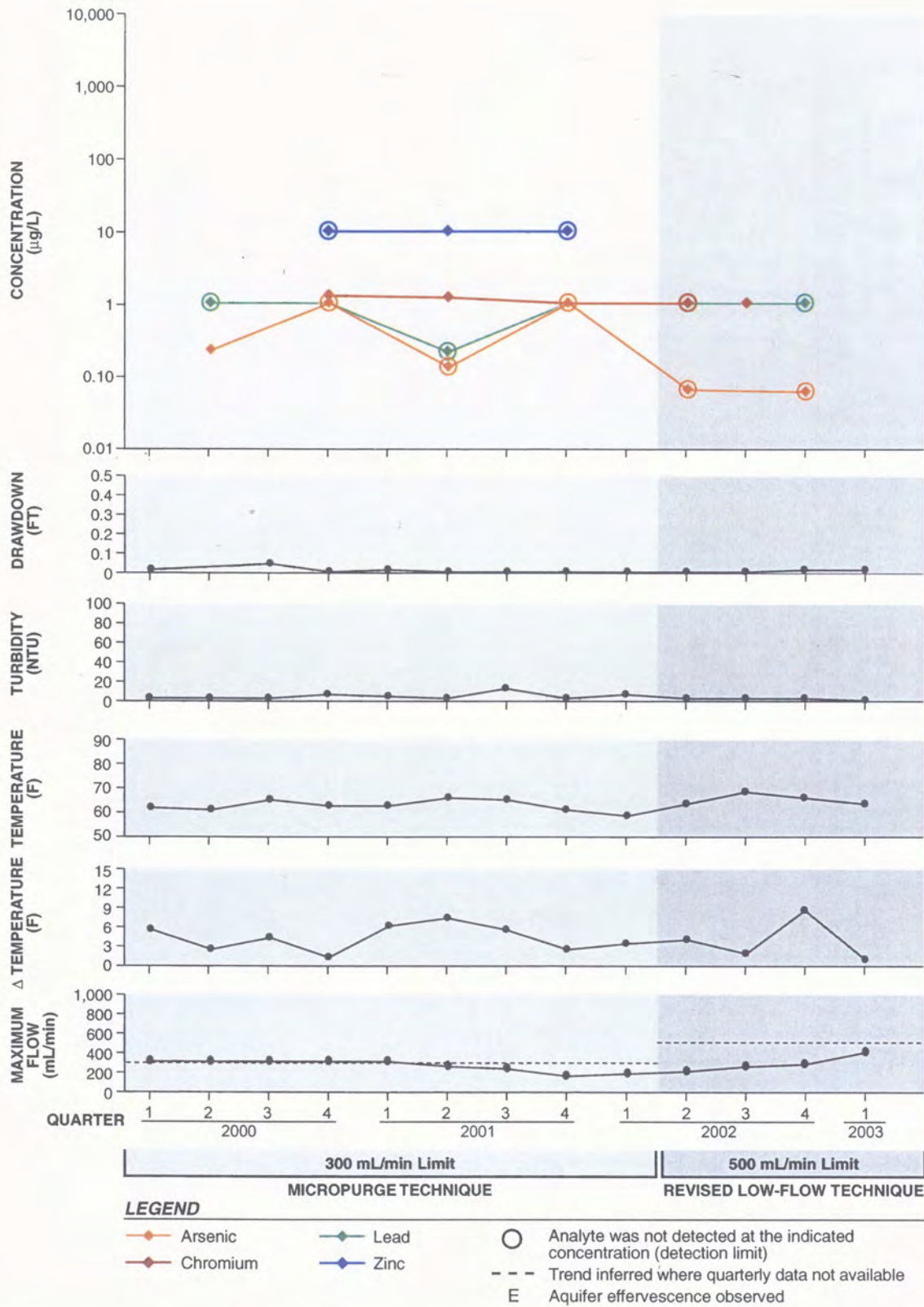
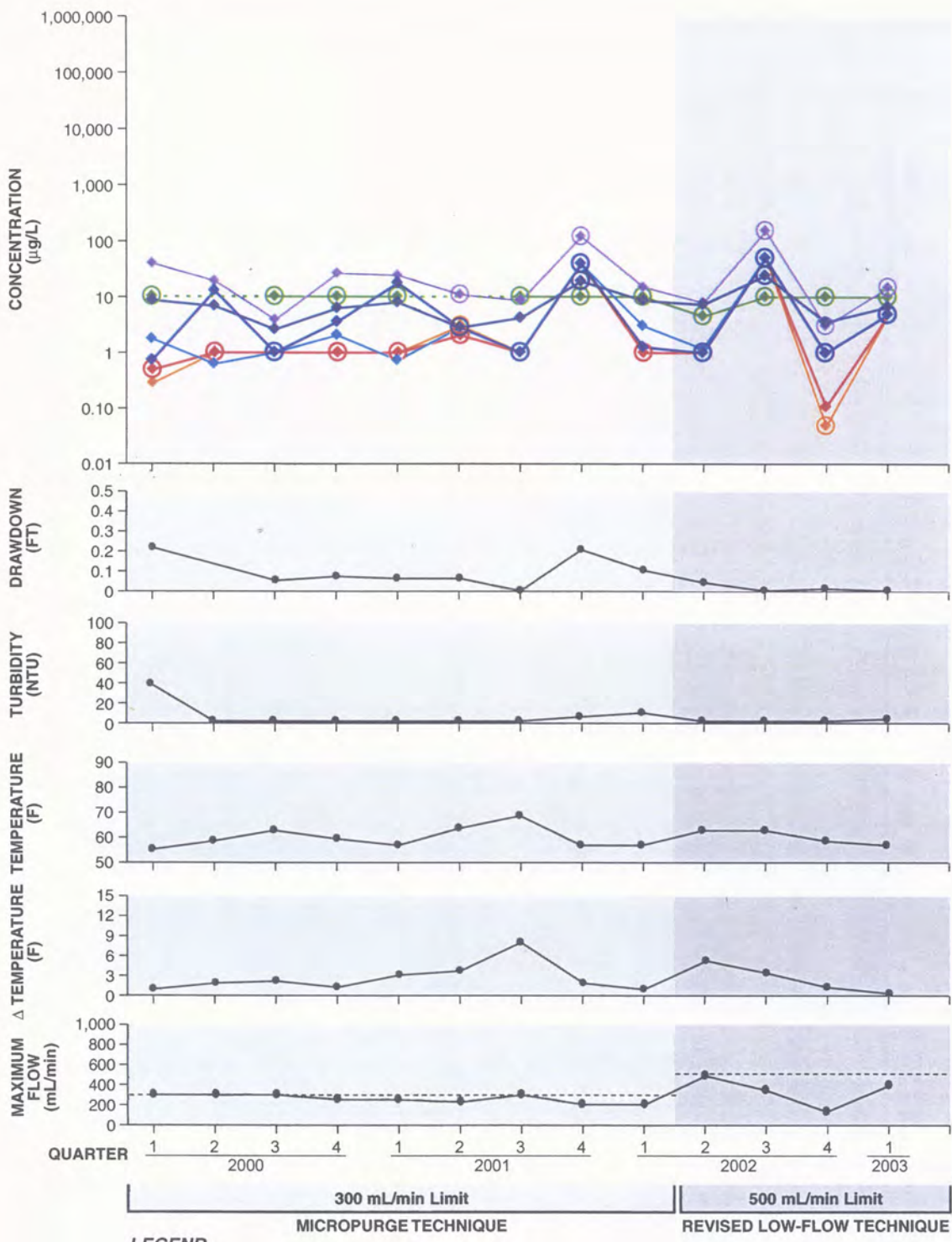


Figure 5b. Time series plots of selected metals and field parameters for well CG-103-S2





**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 6a. Time series plots of selected organic analytes and field parameters for well CG-104-I

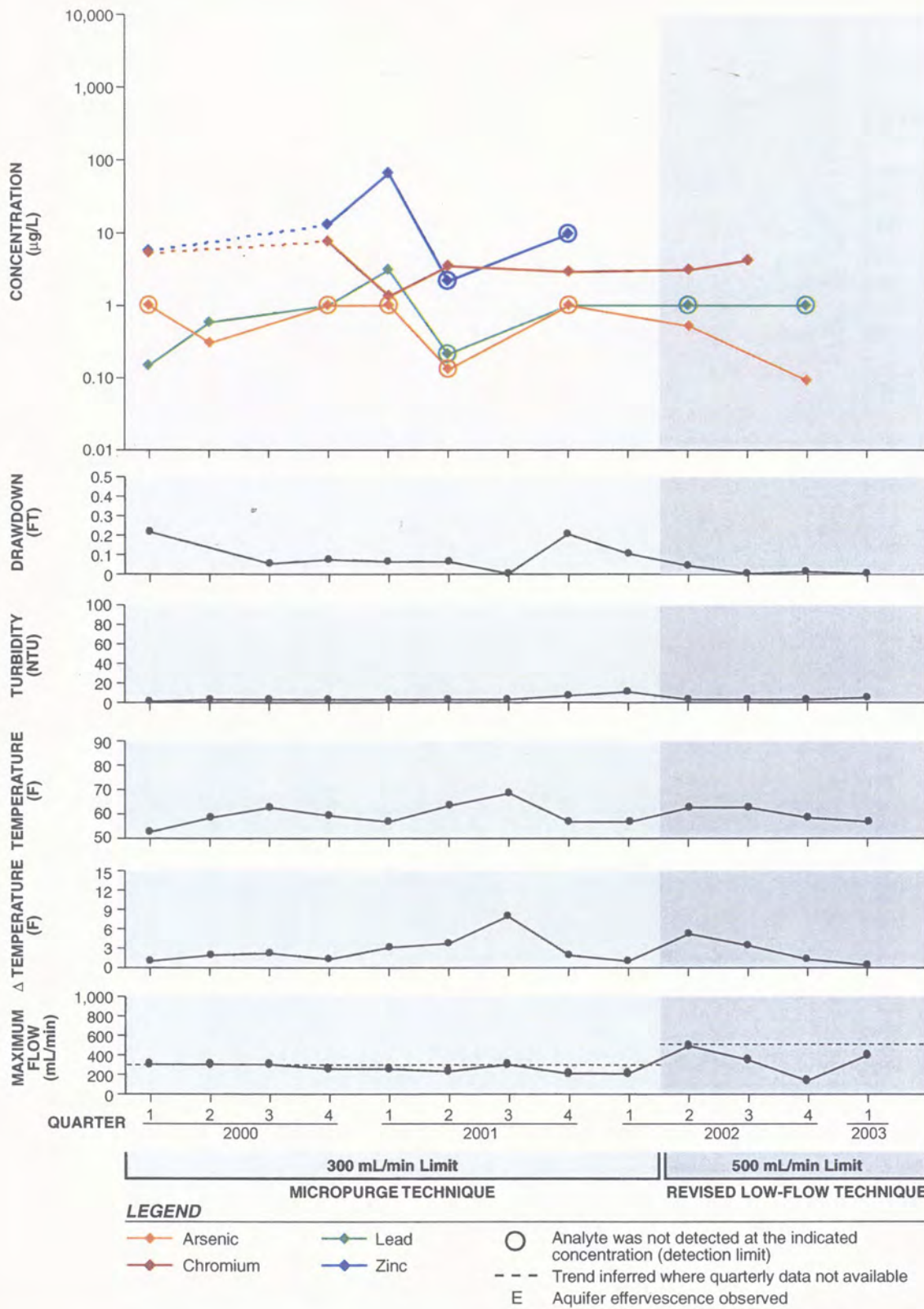
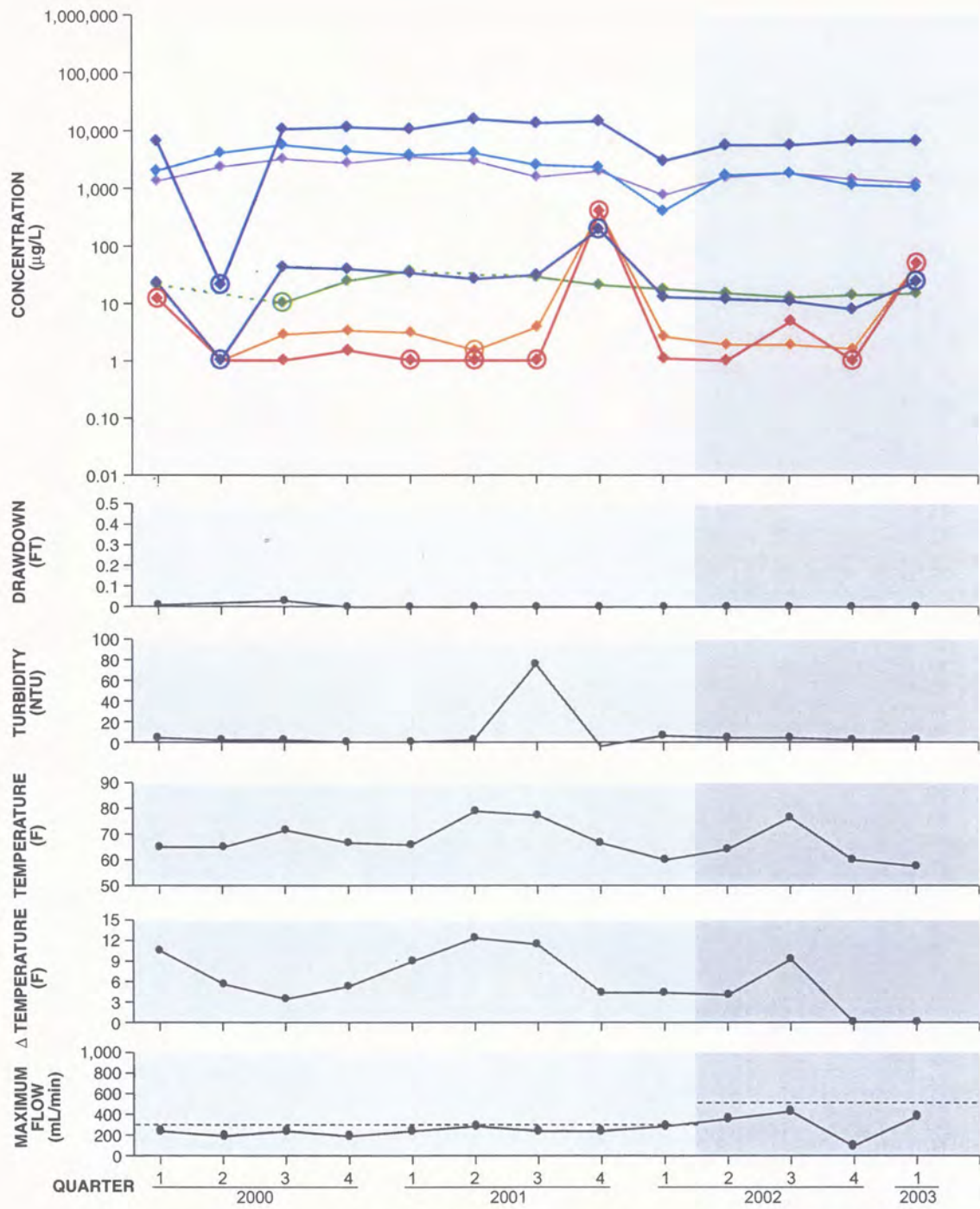


Figure 6b. Time series plots of selected metals and field parameters for well CG-104-I

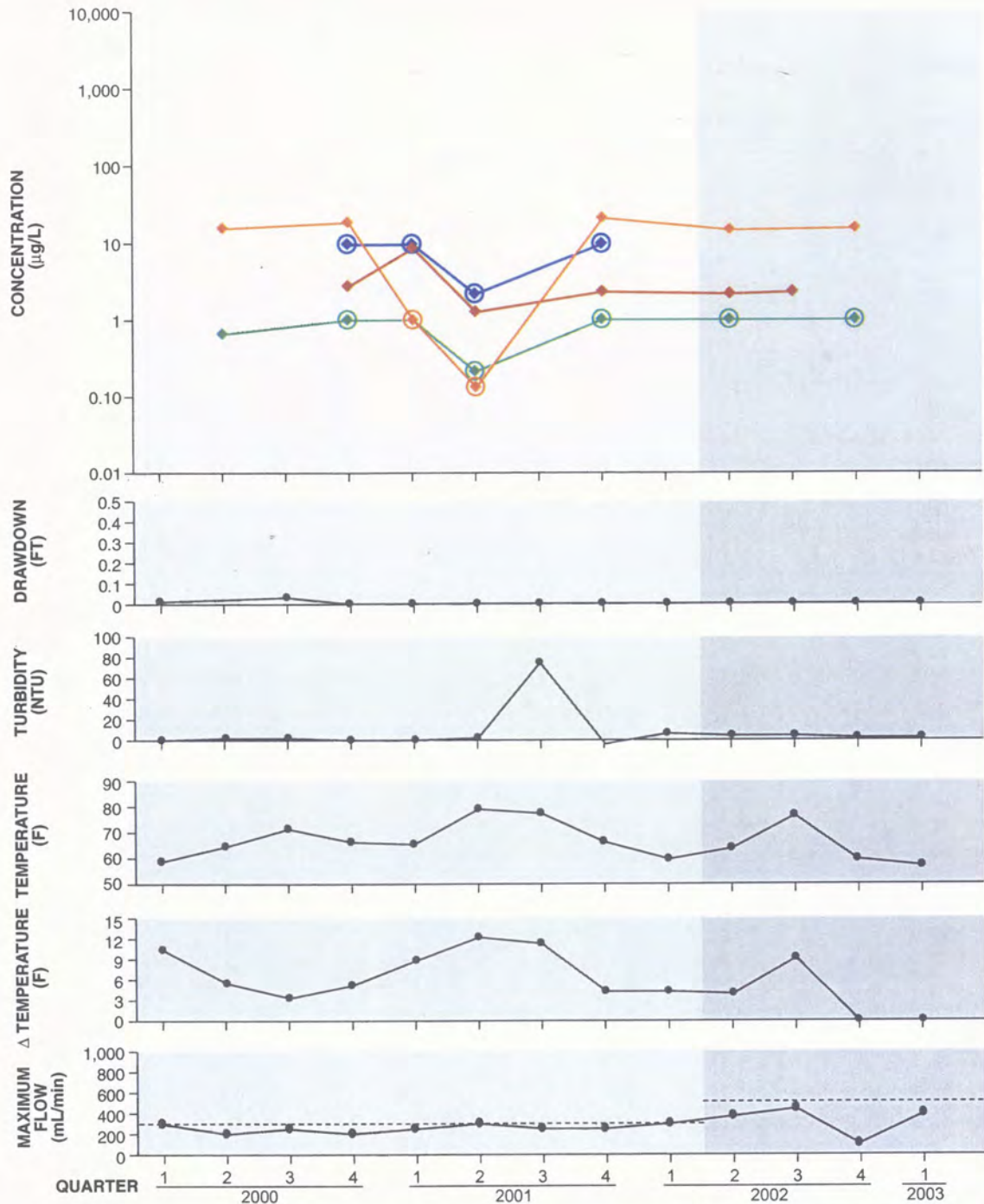




300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 7a. Time series plots of selected organic analytes and field parameters for well CG-104-S1

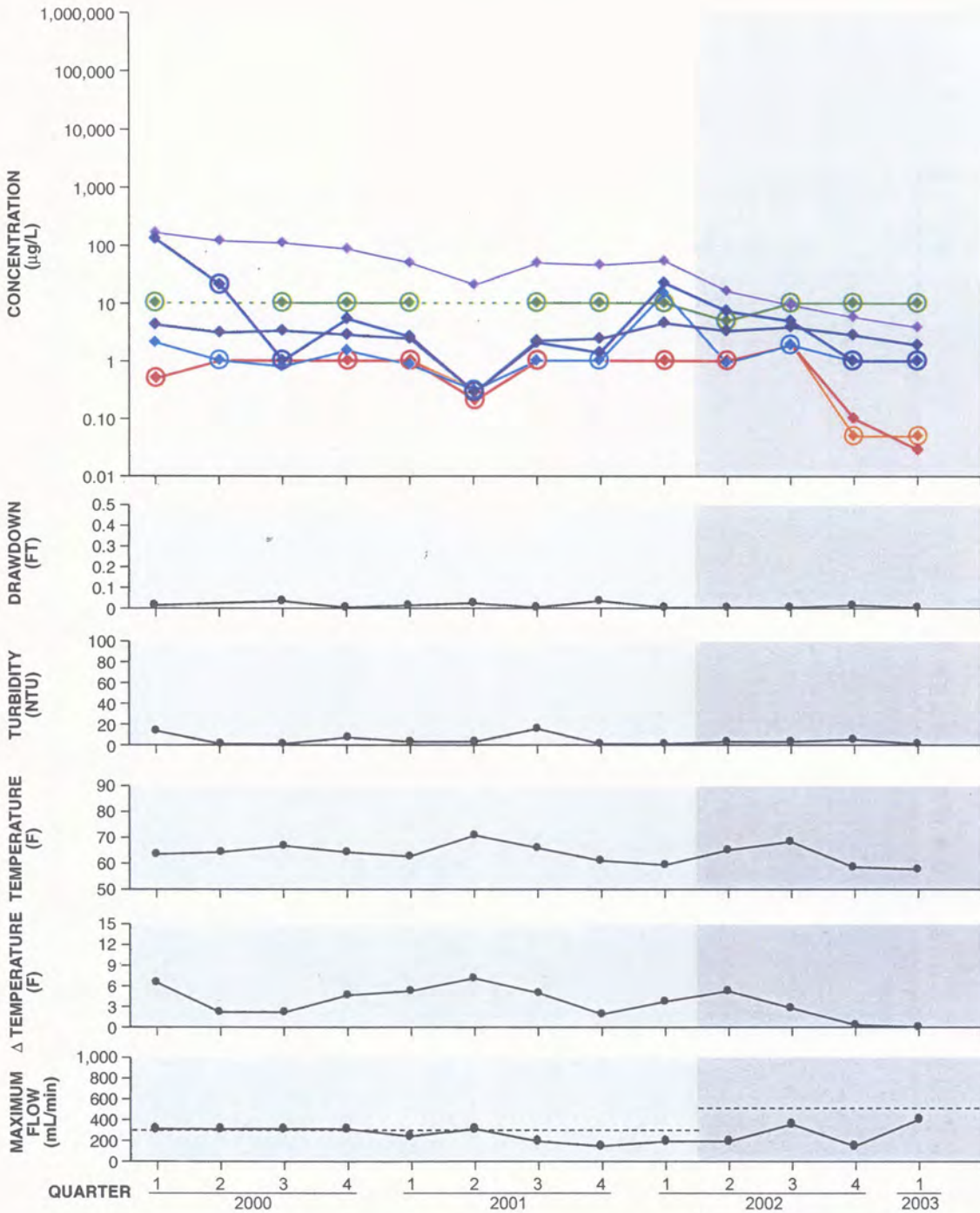


**LEGEND**

- Arsenic
- ◇— Chromium
- Lead
- ◆— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 7b. Time series plots of selected metals and field parameters for well CG-104-S1

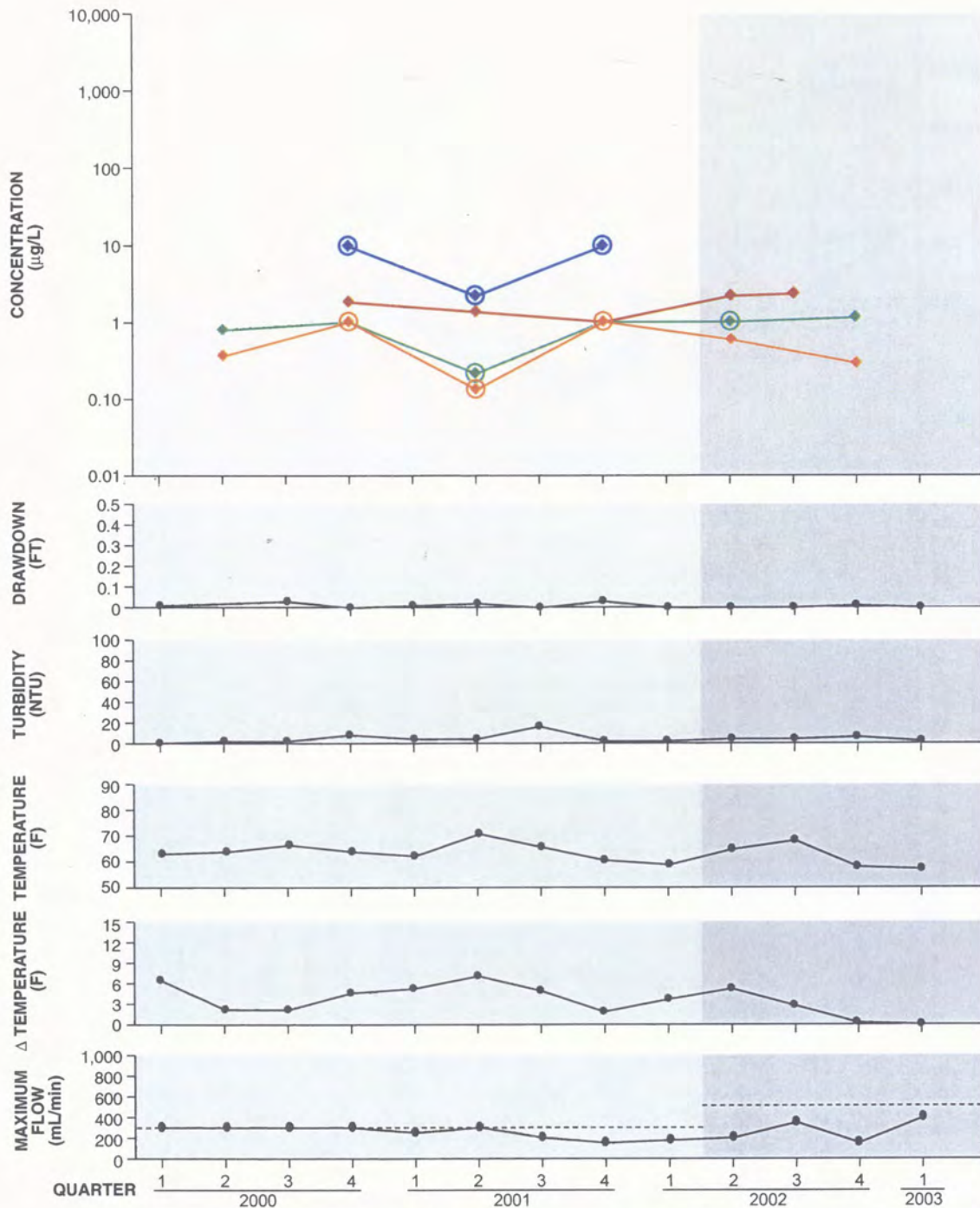




300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 8a. Time series plots of selected organic analytes and field parameters for well CG-104-S2

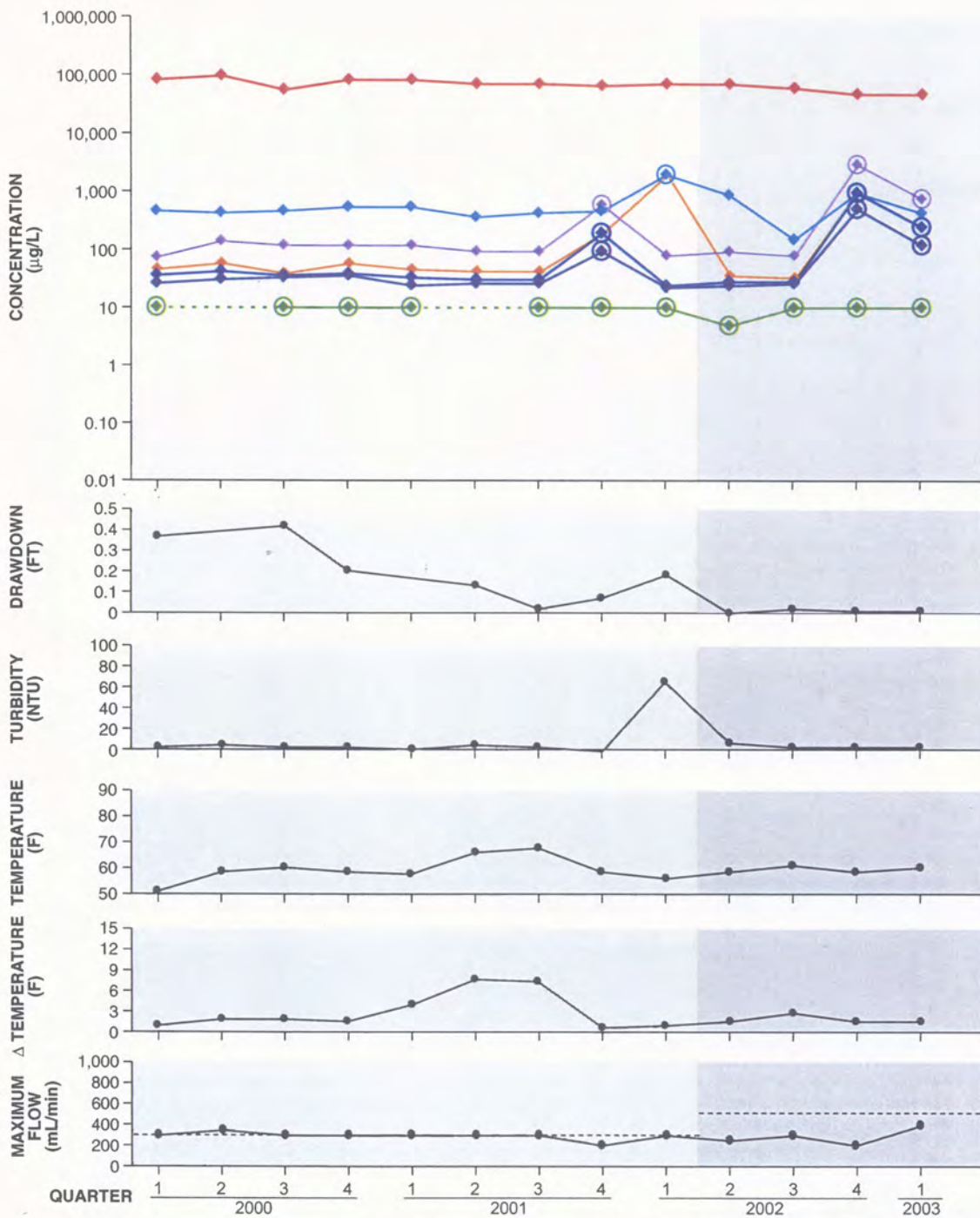


300 mL/min Limit MICROPURGE TECHNIQUE | 500 mL/min Limit REVISED LOW-FLOW TECHNIQUE

- LEGEND**
- Arsenic
  - ◇— Chromium
  - ◇— Lead
  - ◇— Zinc
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 8b. Time series plots of selected metals and field parameters for well CG-104-S2

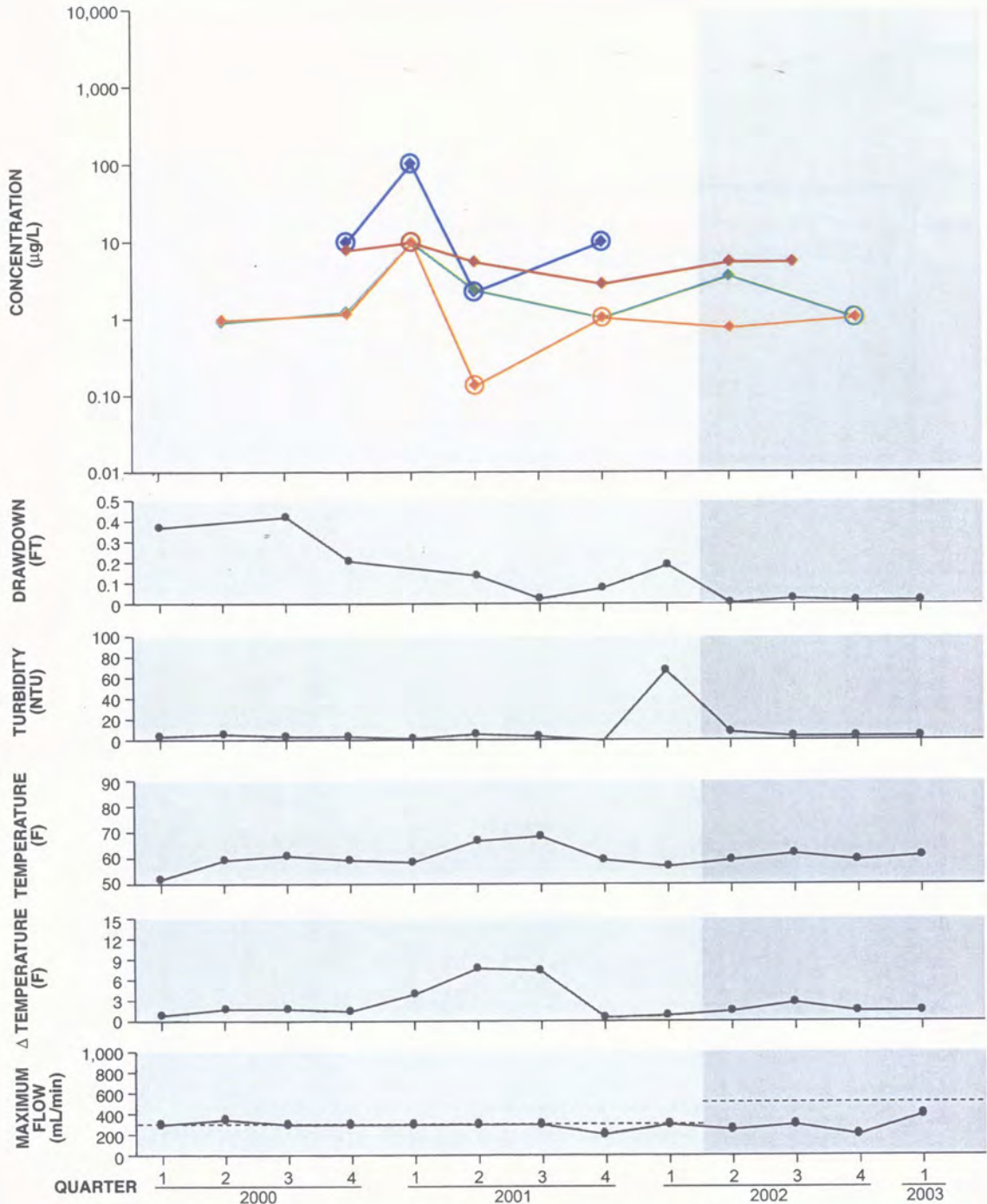




300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 9a. Time series plots of selected organic analytes and field parameters for well CG-105-I



**LEGEND**

- Arsenic
- Chromium
- Lead
- Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 9b. Time series plots of selected metals and field parameters for well CG-105-1



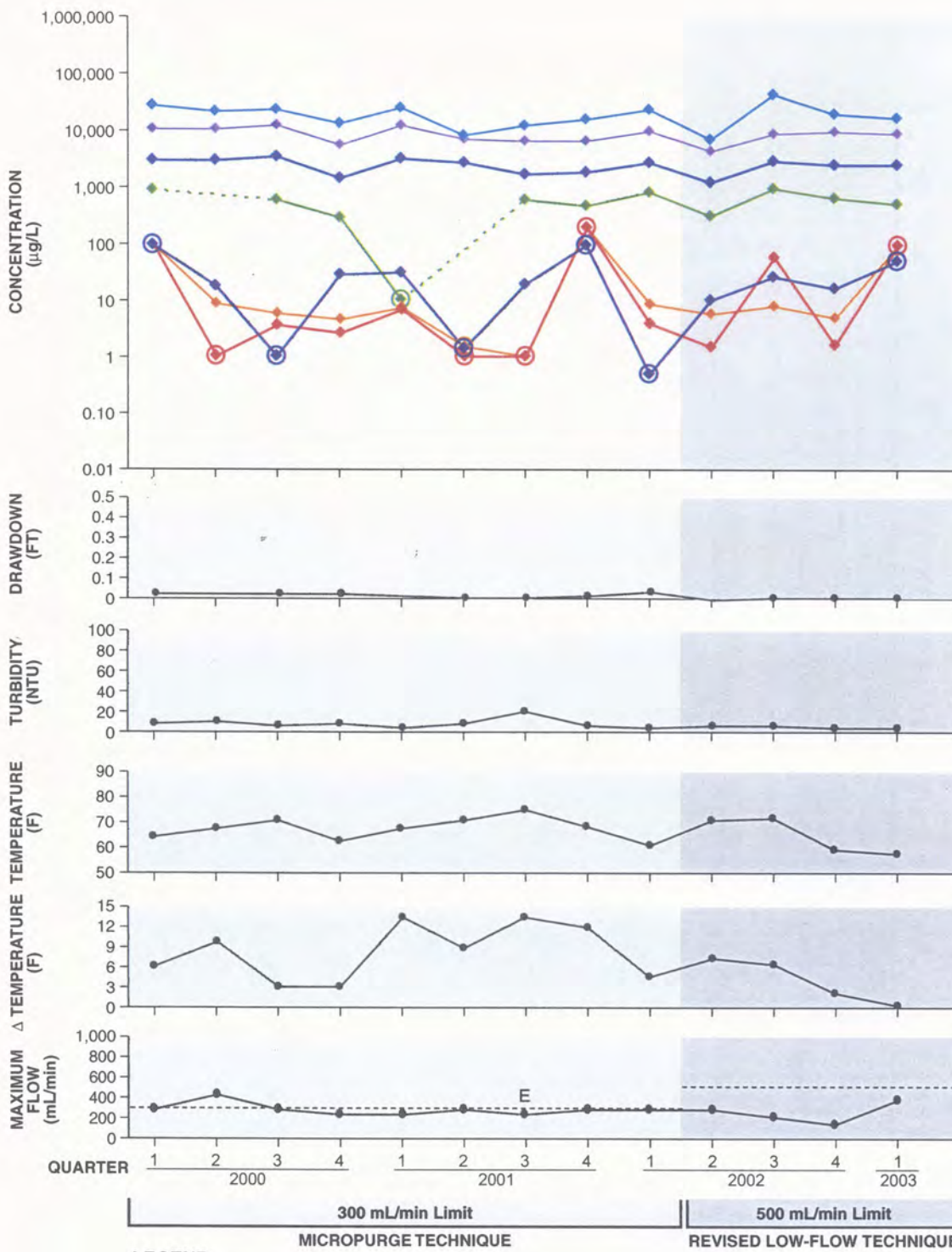
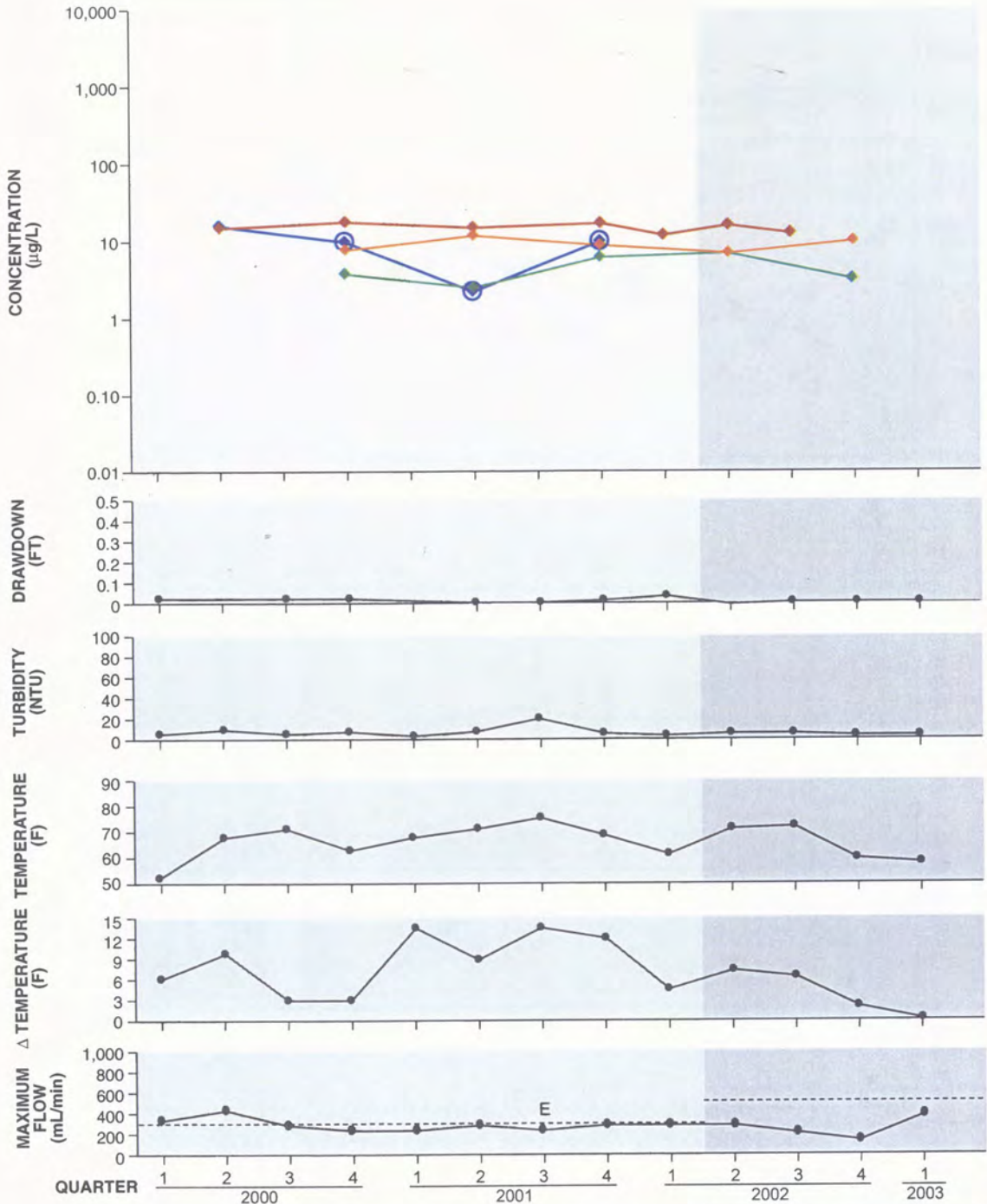


Figure 10a. Time series plots of selected organic analytes and field parameters for well CG-105-S1

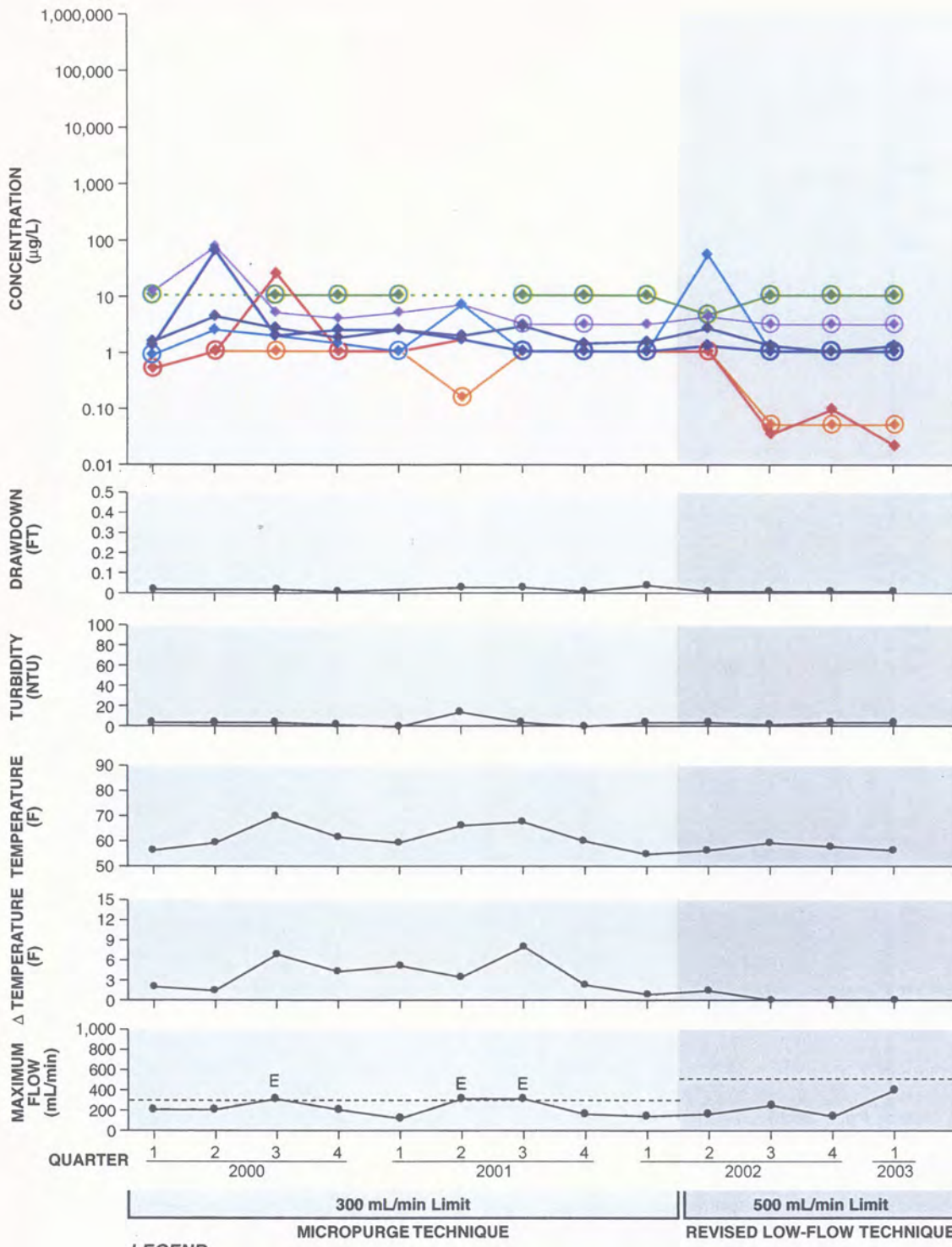


**LEGEND**

- ◆— Arsenic
- ◆— Chromium
- ◆— Lead
- ◆— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 10b. Time series plots of selected metals and field parameters for well CG-105-S1

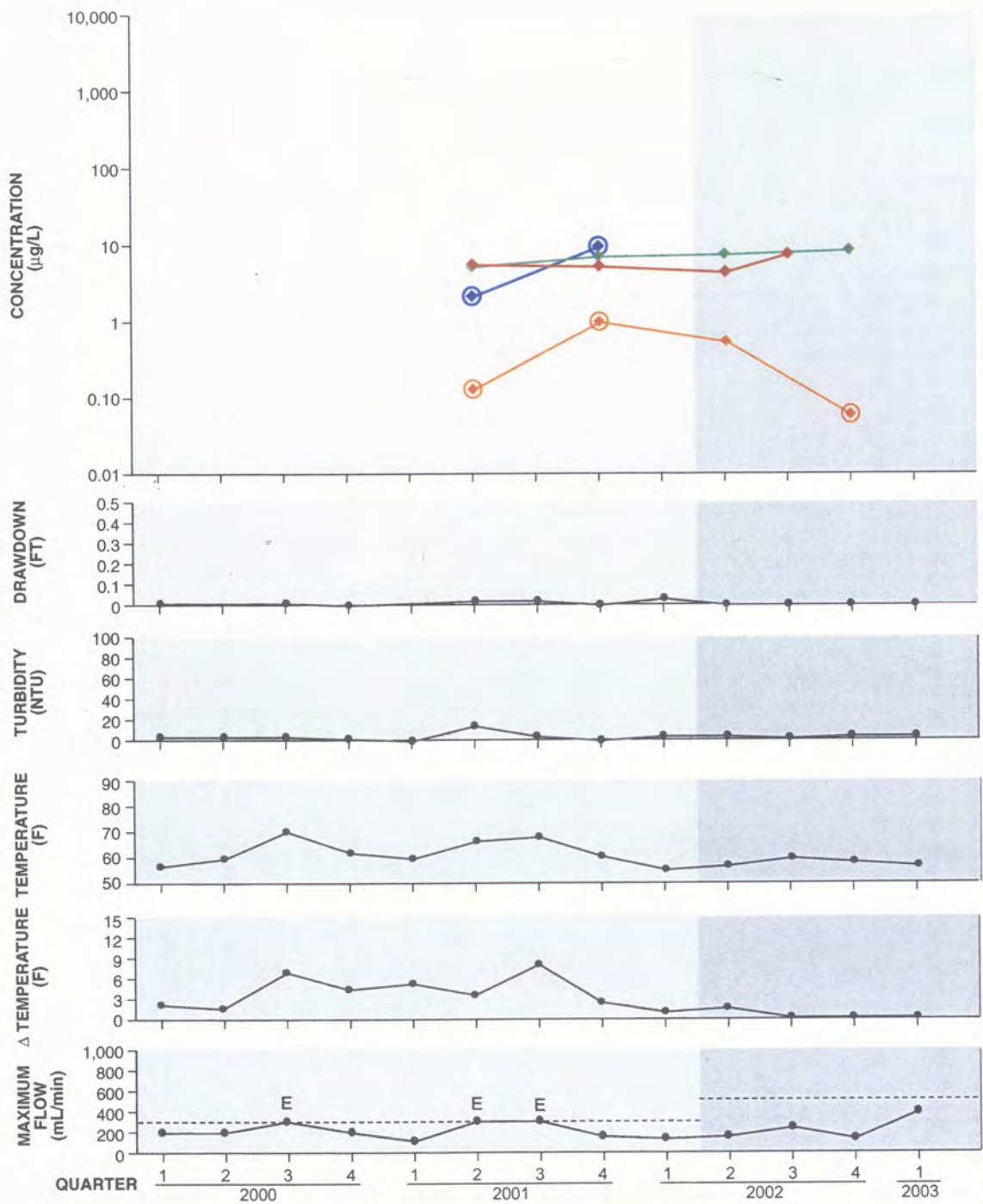




**LEGEND**

- Benzene
- Ethylbenzene
- Toluene
- Total Xylene
- Trichloroethene
- Tetrachloroethene
- 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 11a. Time series plots of selected organic analytes and field parameters for well CG-105-S2



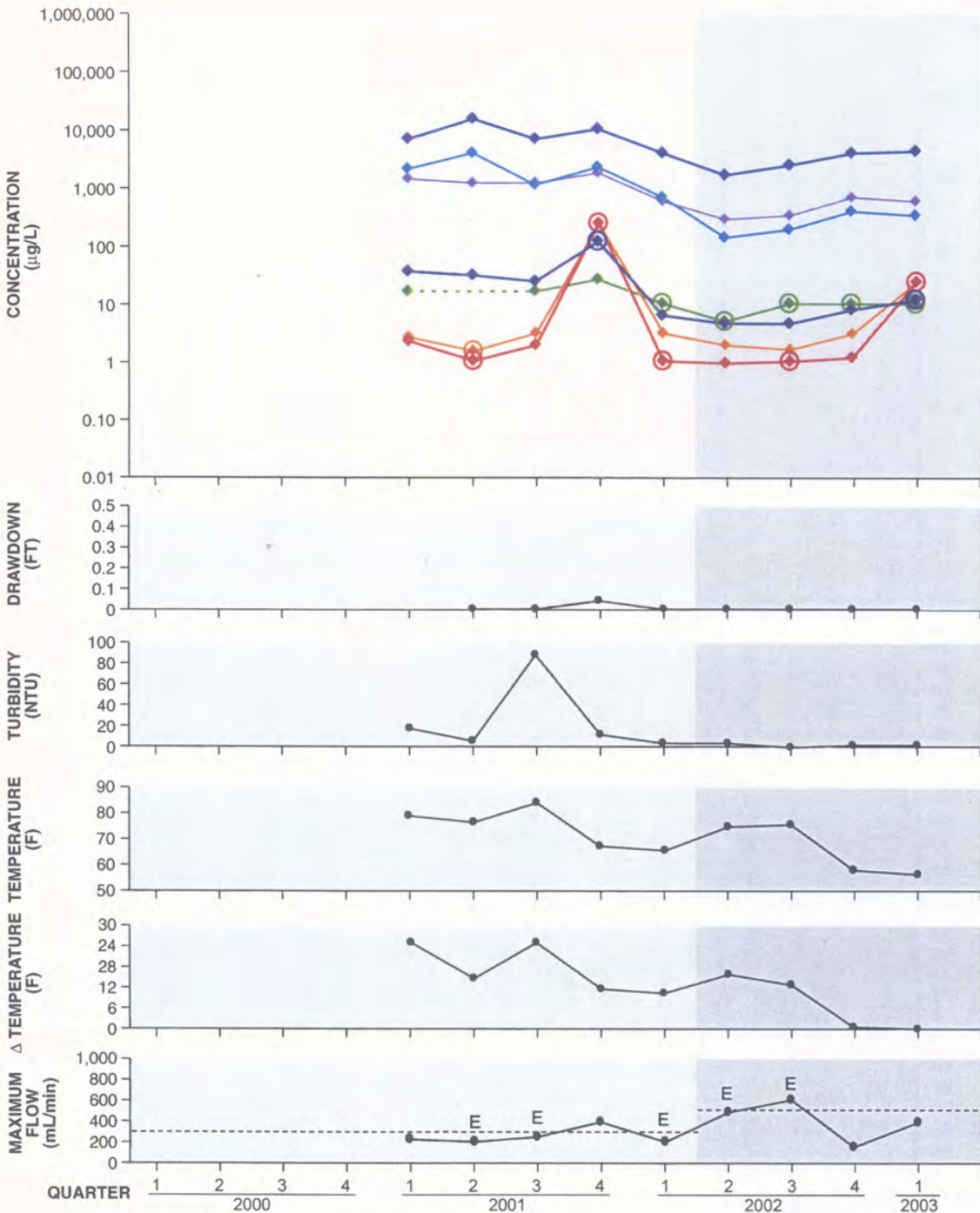
300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

**LEGEND**

<span style="color: orange;">◆</span> Arsenic	<span style="color: green;">◆</span> Lead	○ Analyte was not detected at the indicated concentration (detection limit)
<span style="color: red;">◆</span> Chromium	<span style="color: blue;">◆</span> Zinc	- - - Trend inferred where quarterly data not available
		E Aquifer effervescence observed

Figure 11b. Time series plots of selected metals and field parameters for well CG-105-S2





300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 12a. Time series plots of selected organic analytes and field parameters for well CG-113-S1

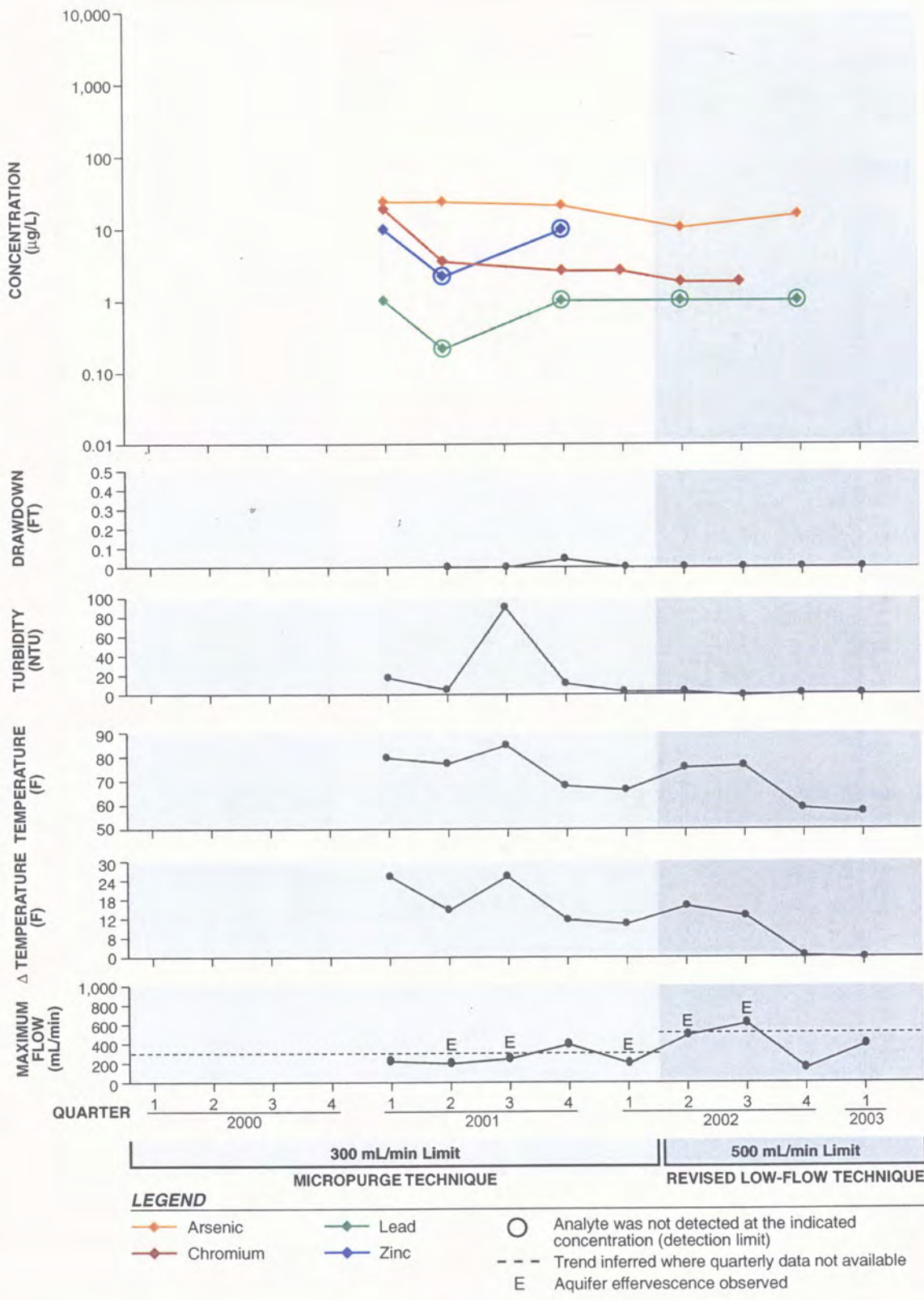
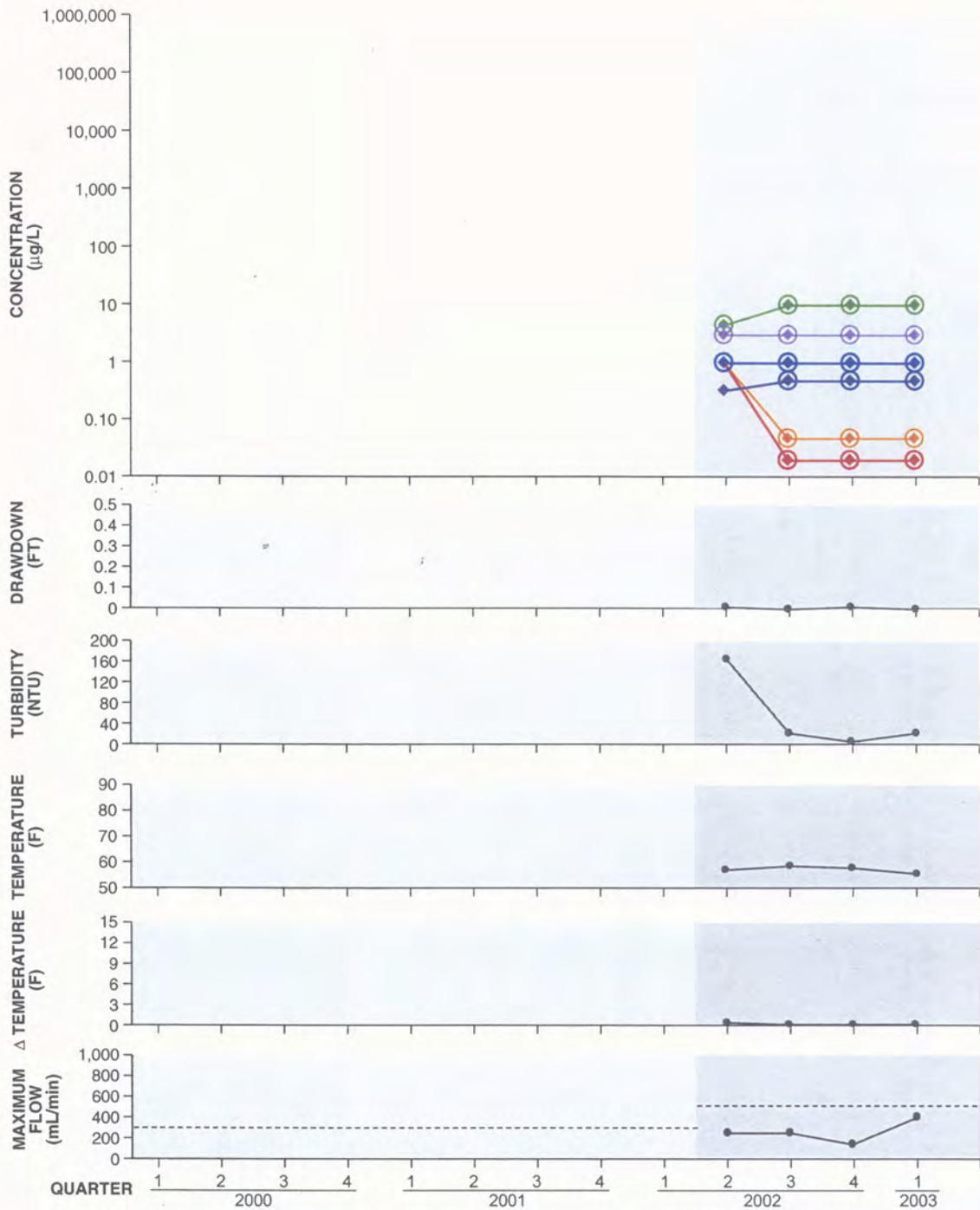


Figure 12b. Time series plots of selected metals and field parameters for well CG-113-S1





300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 13a. Time series plots of selected organic analytes and field parameters for well CG-114-75

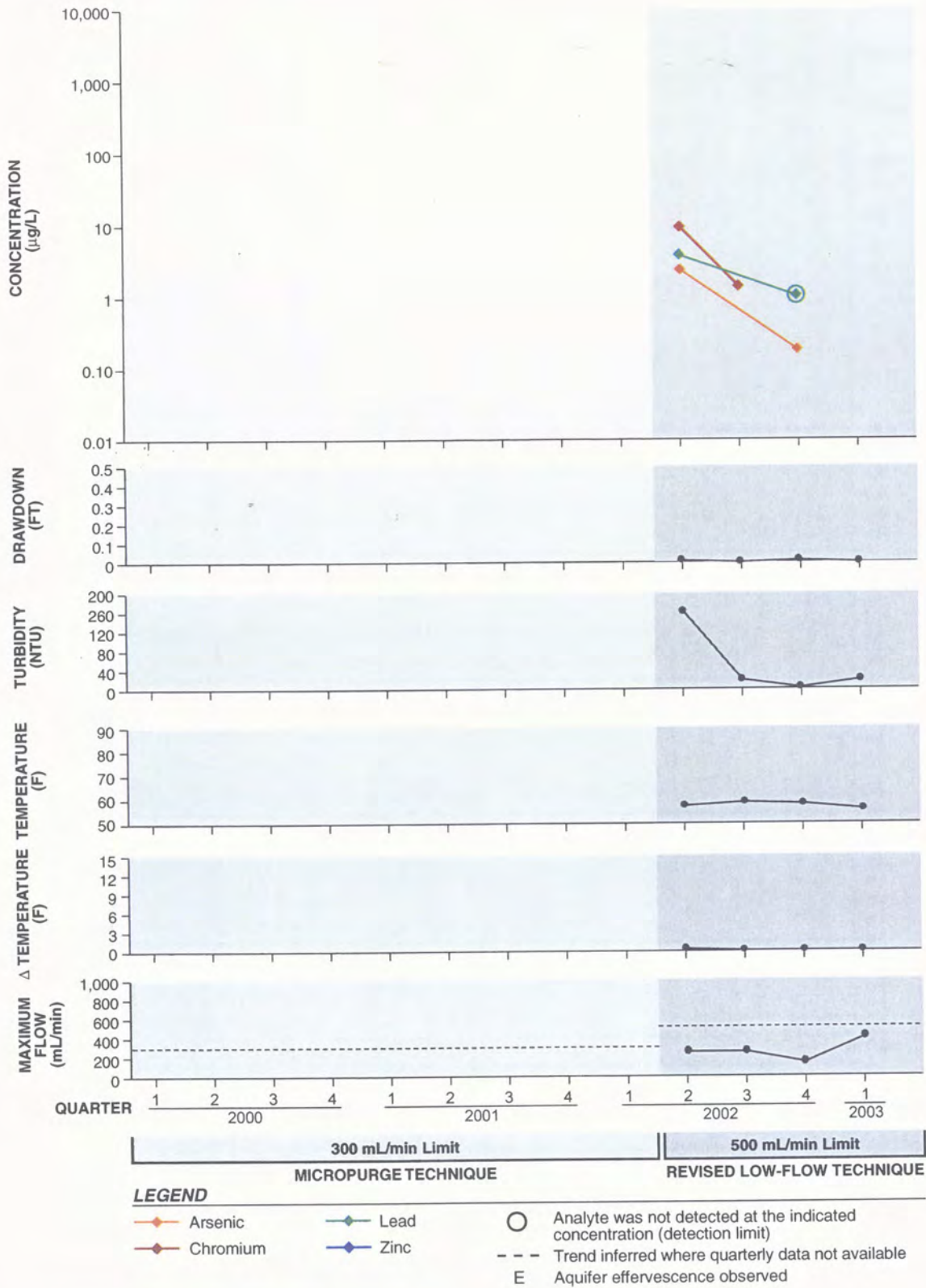
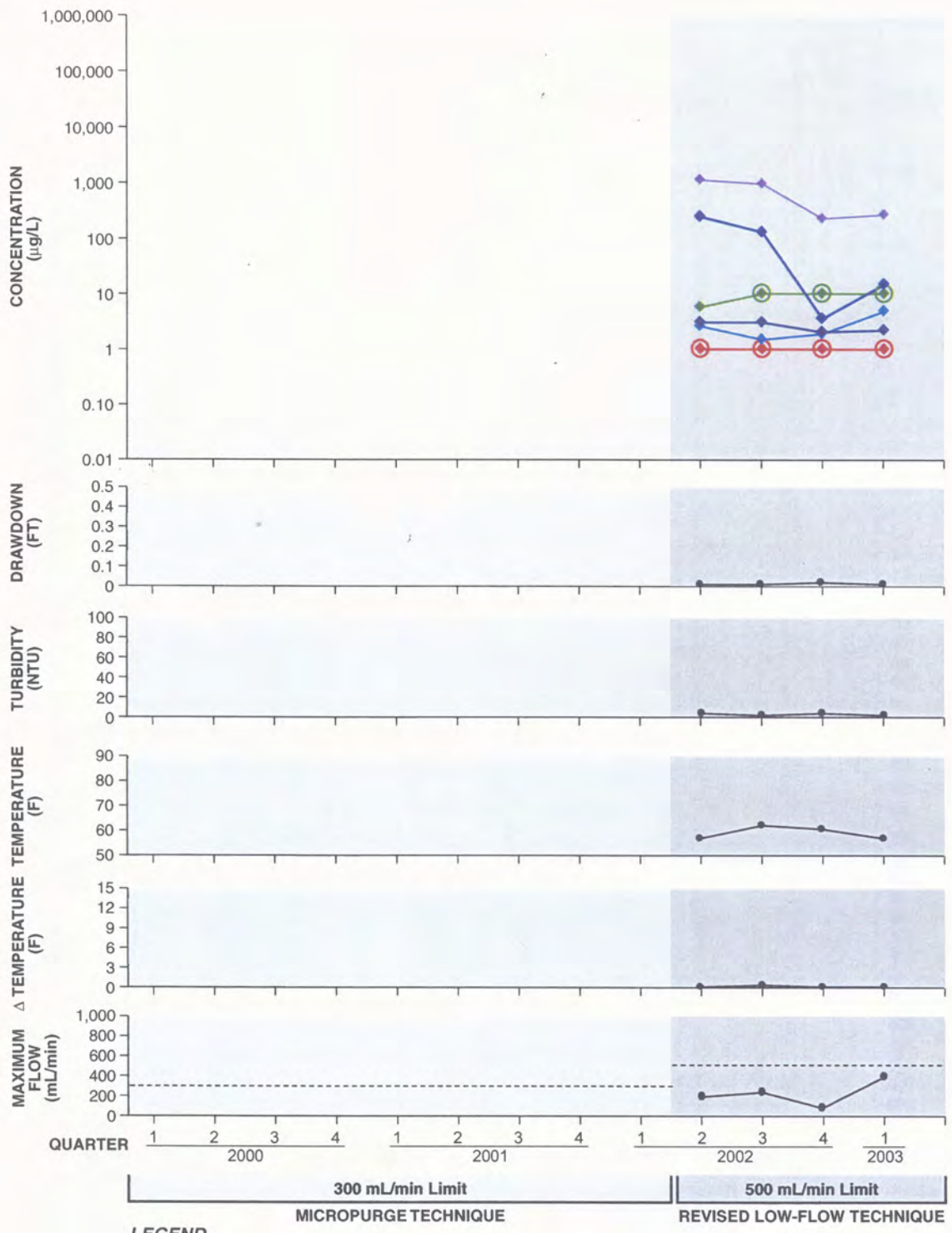


Figure 13b. Time series plots of selected metals and field parameters for well CG-114-75





**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 14a. Time series plots of selected organic analytes and field parameters for well CG-115-WT

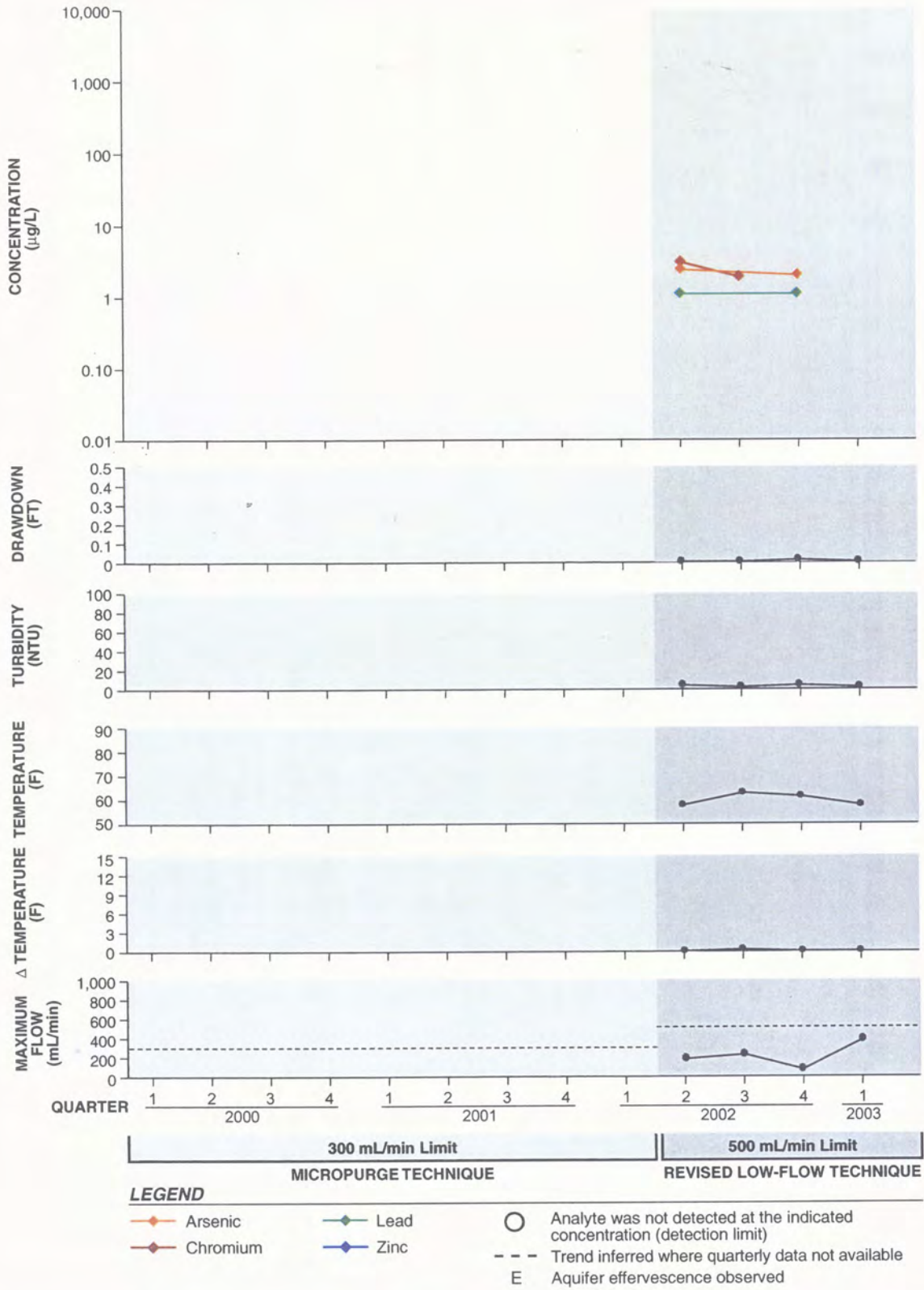
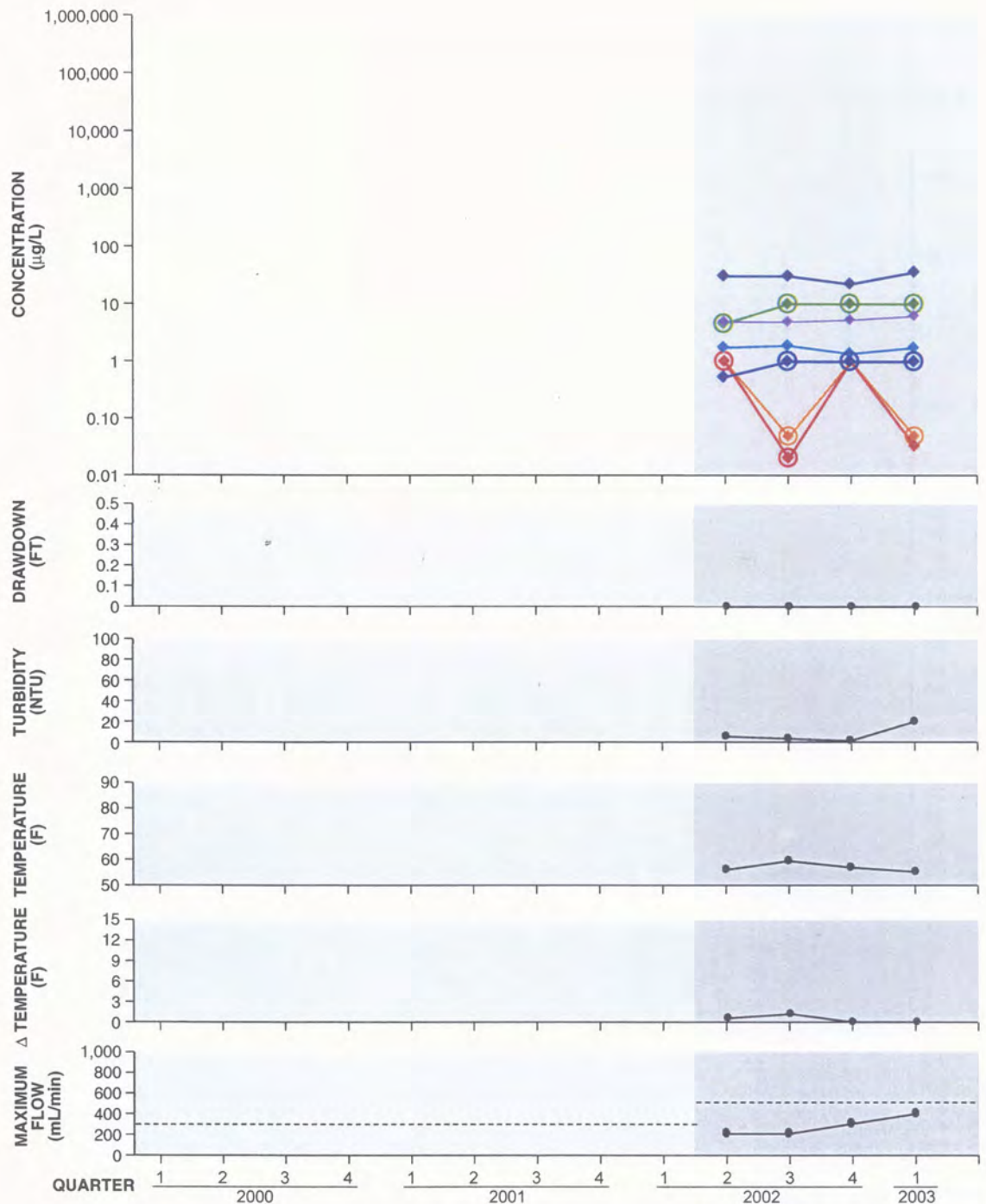


Figure 14b. Time series plots of selected metals and field parameters for well CG-115-WT



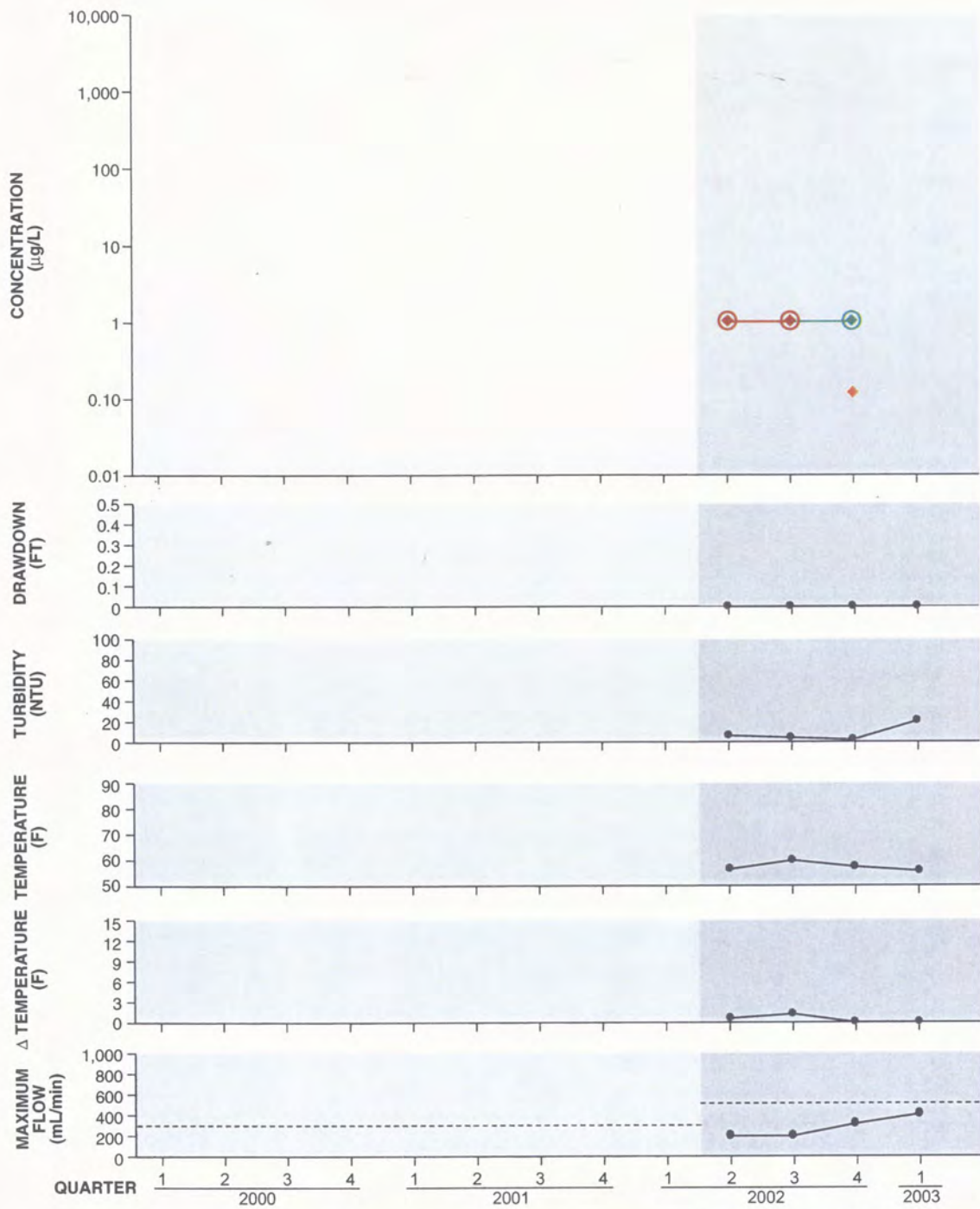


300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**      **REVISED LOW-FLOW TECHNIQUE**

**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 15a. Time series plots of selected organic analytes and field parameters for well CG-121-40



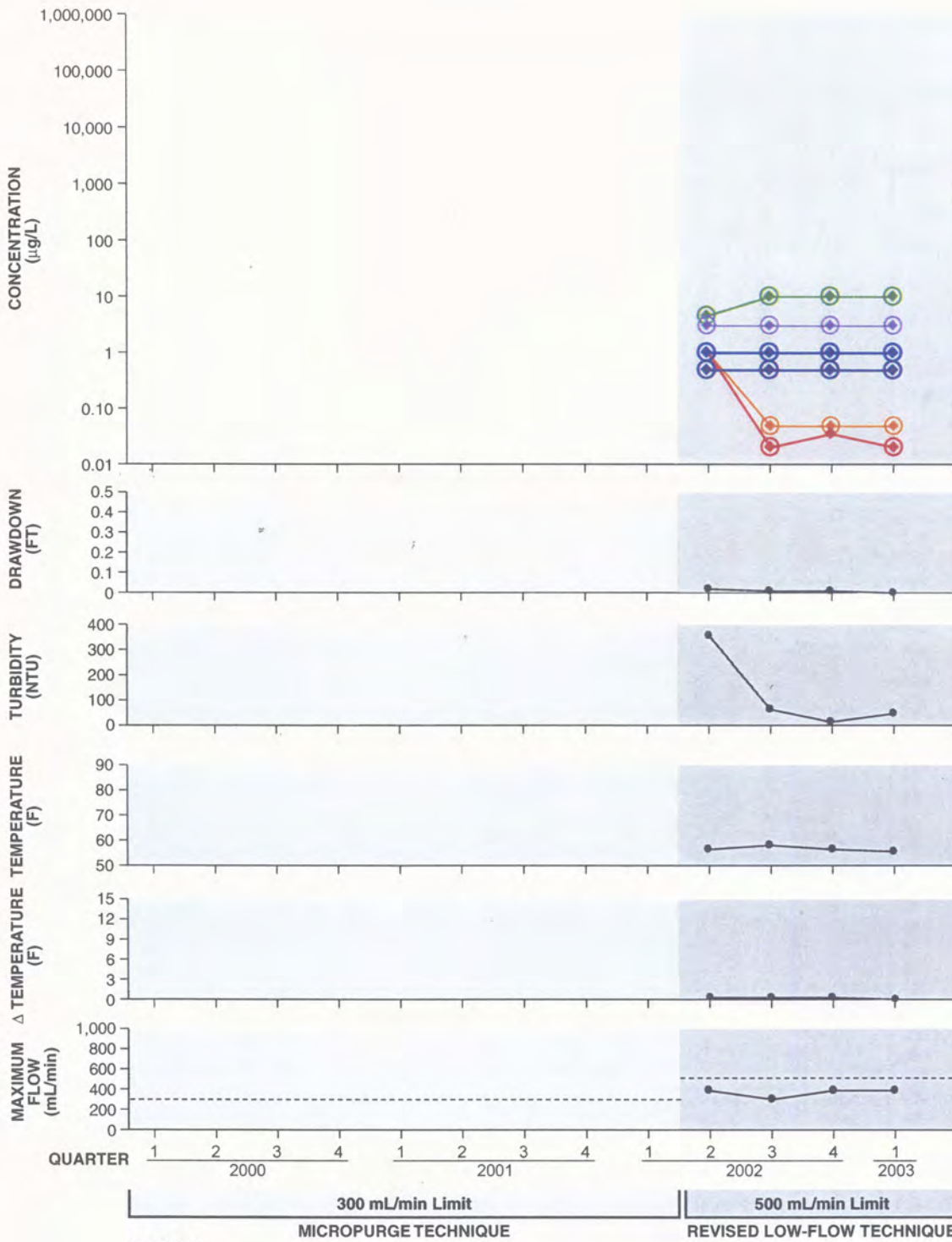
300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

**LEGEND**

<span style="color: orange;">◆</span> Arsenic	<span style="color: green;">◆</span> Lead	○ Analyte was not detected at the indicated concentration (detection limit)
<span style="color: red;">◆</span> Chromium	<span style="color: blue;">◆</span> Zinc	--- Trend inferred where quarterly data not available
		E Aquifer effervescence observed

Figure 15b. Time series plots of selected metals and field parameters for well CG-121-40





**LEGEND**

- ◆ Benzene
- Ethylbenzene
- ▲ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 16a. Time series plots of selected organic analytes and field parameters for well CG-122-60

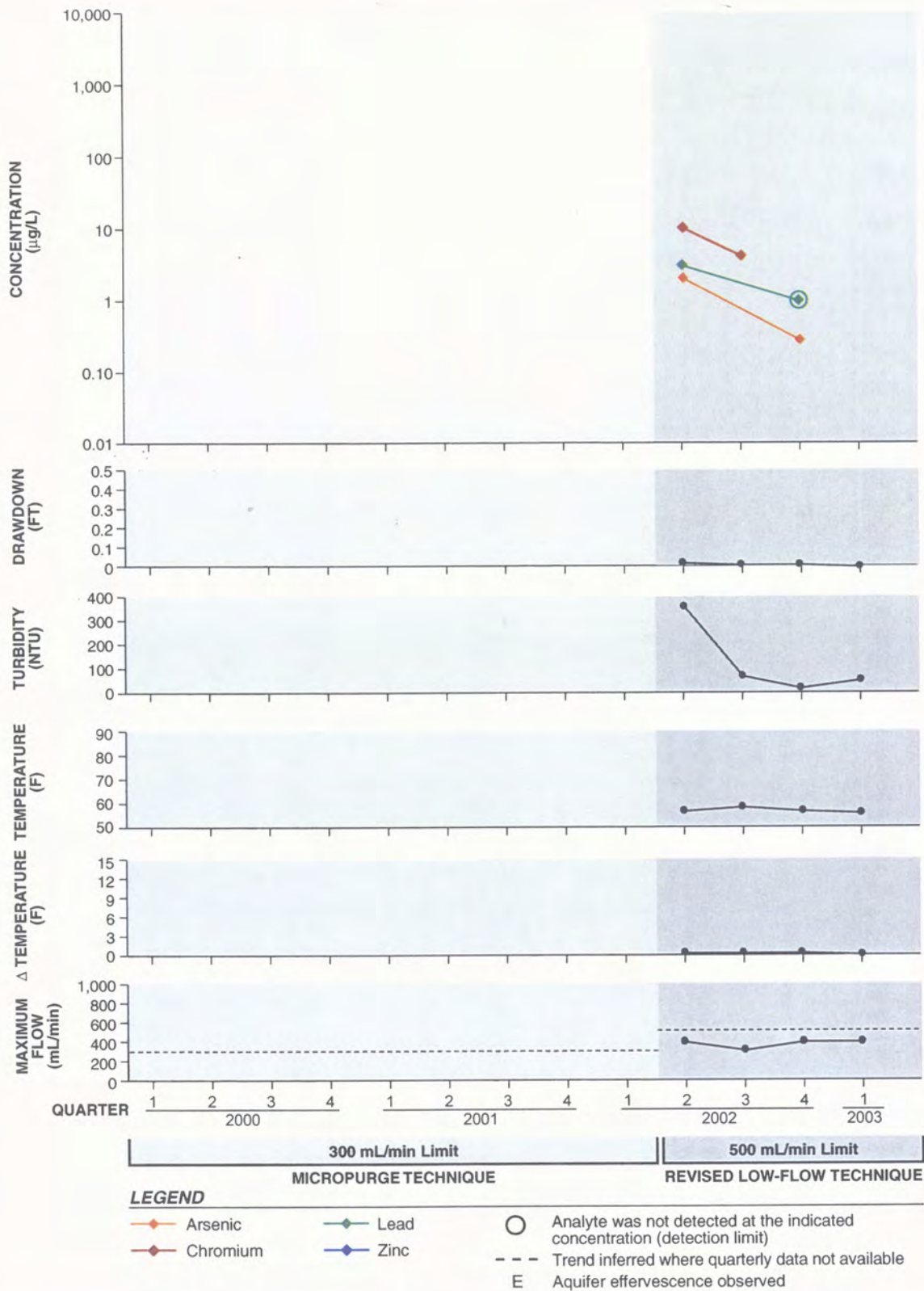
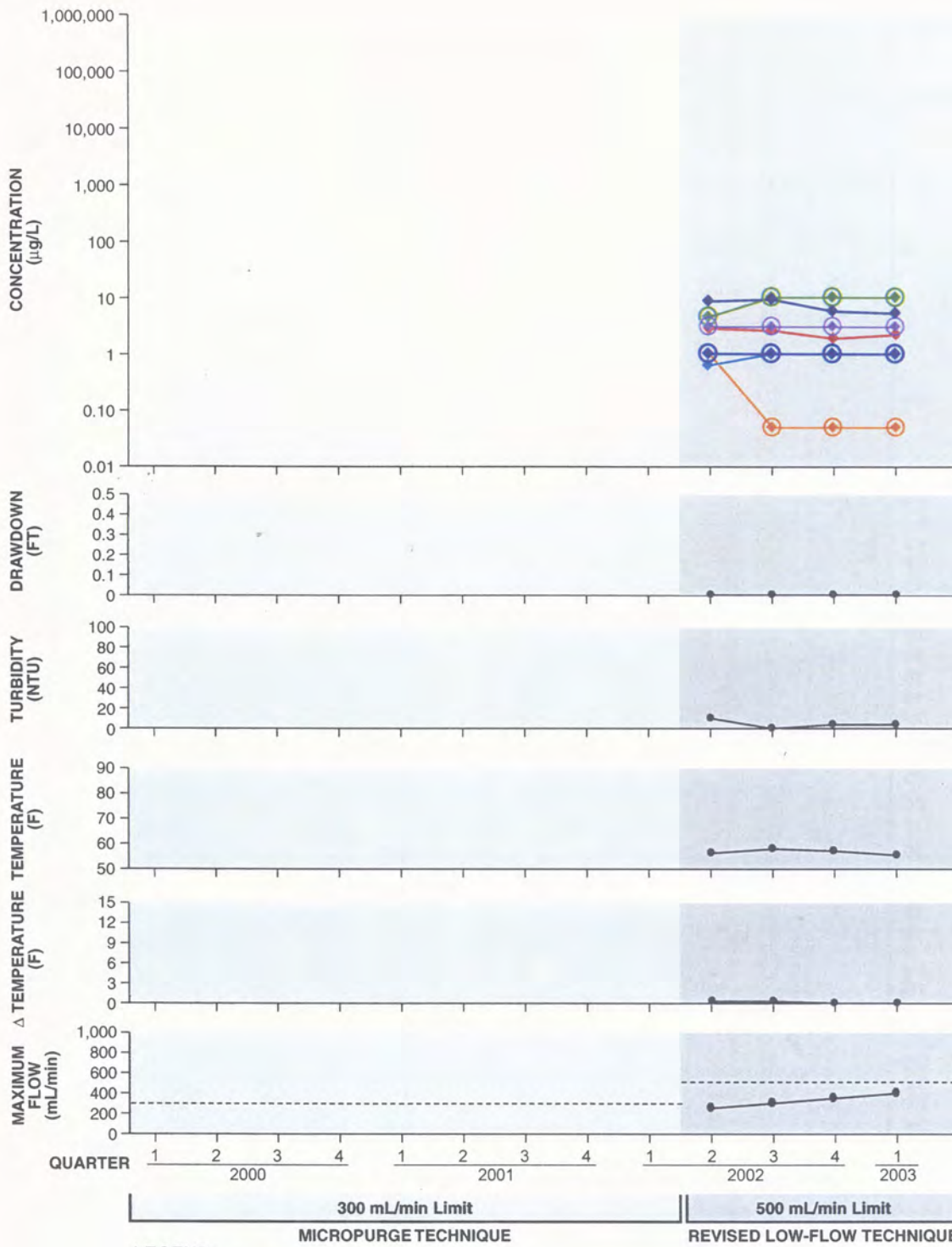


Figure 16b. Time series plots of selected metals and field parameters for well CG-122-60





**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 17a. Time series plots of selected organic analytes and field parameters for well CG-124-40

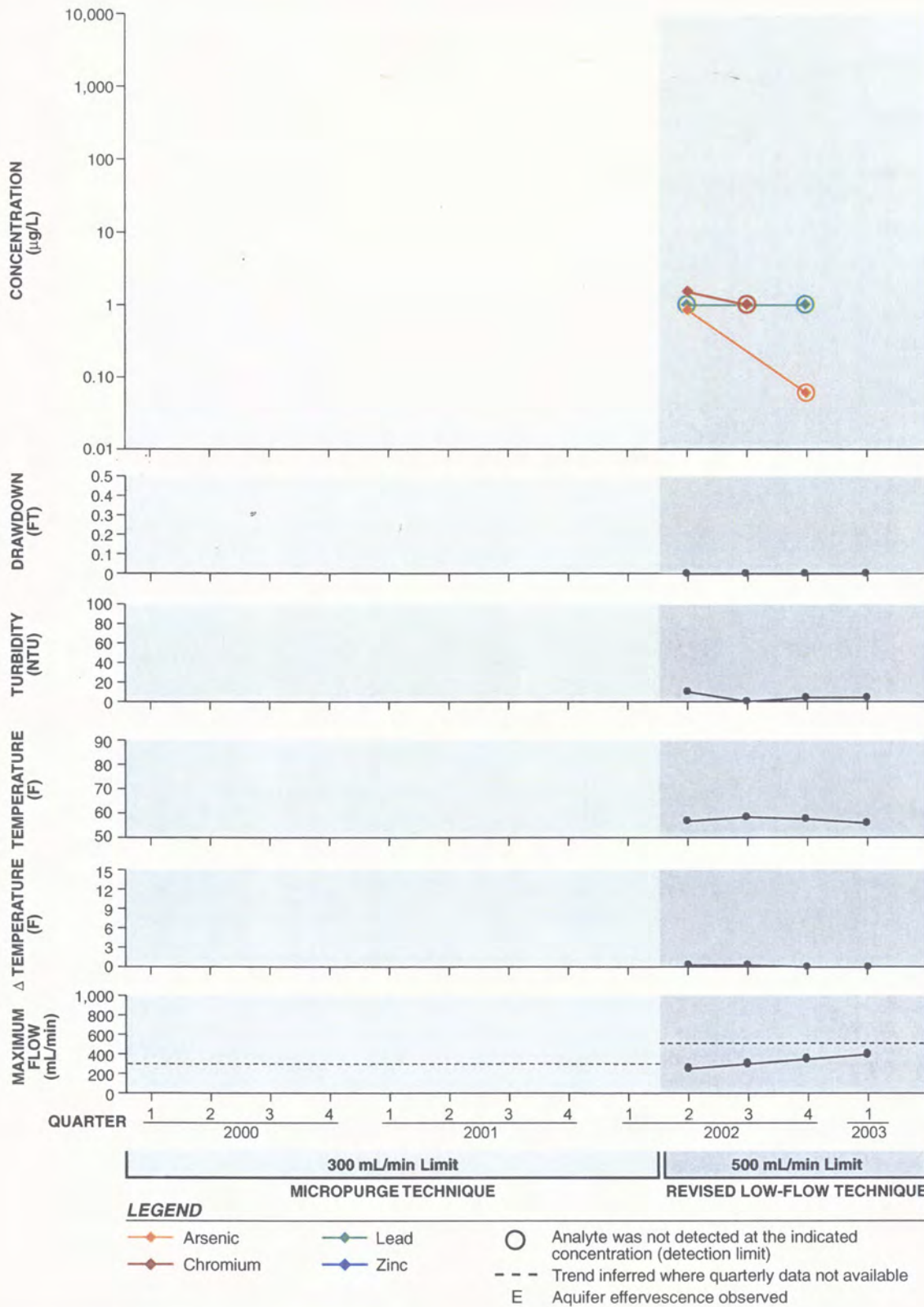


Figure 17b. Time series plots of selected metals and field parameters for well CG-124-40



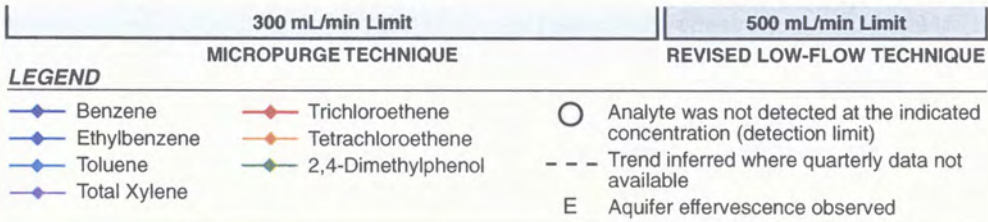
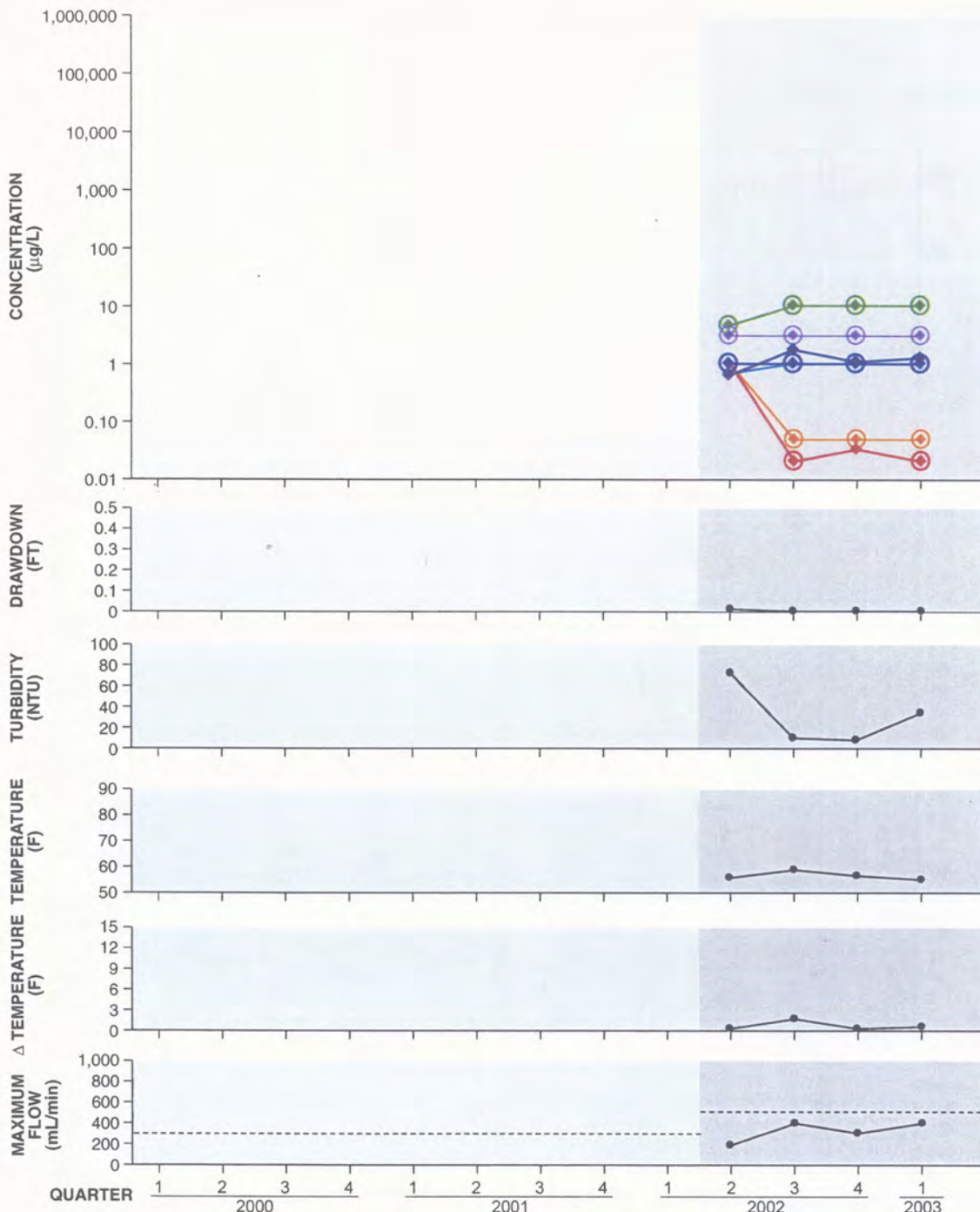


Figure 18a. Time series plots of selected organic analytes and field parameters for well CG-124-70

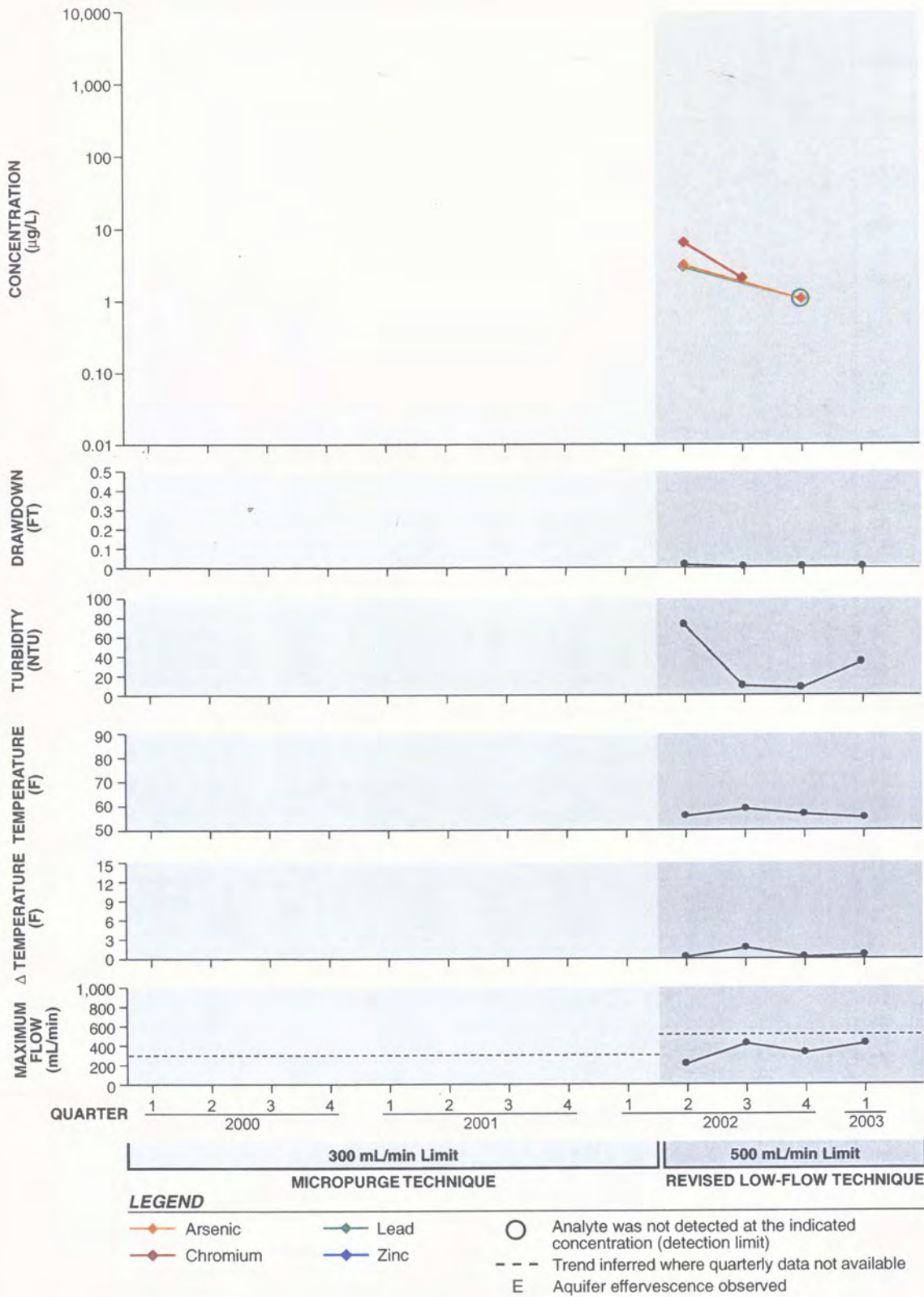
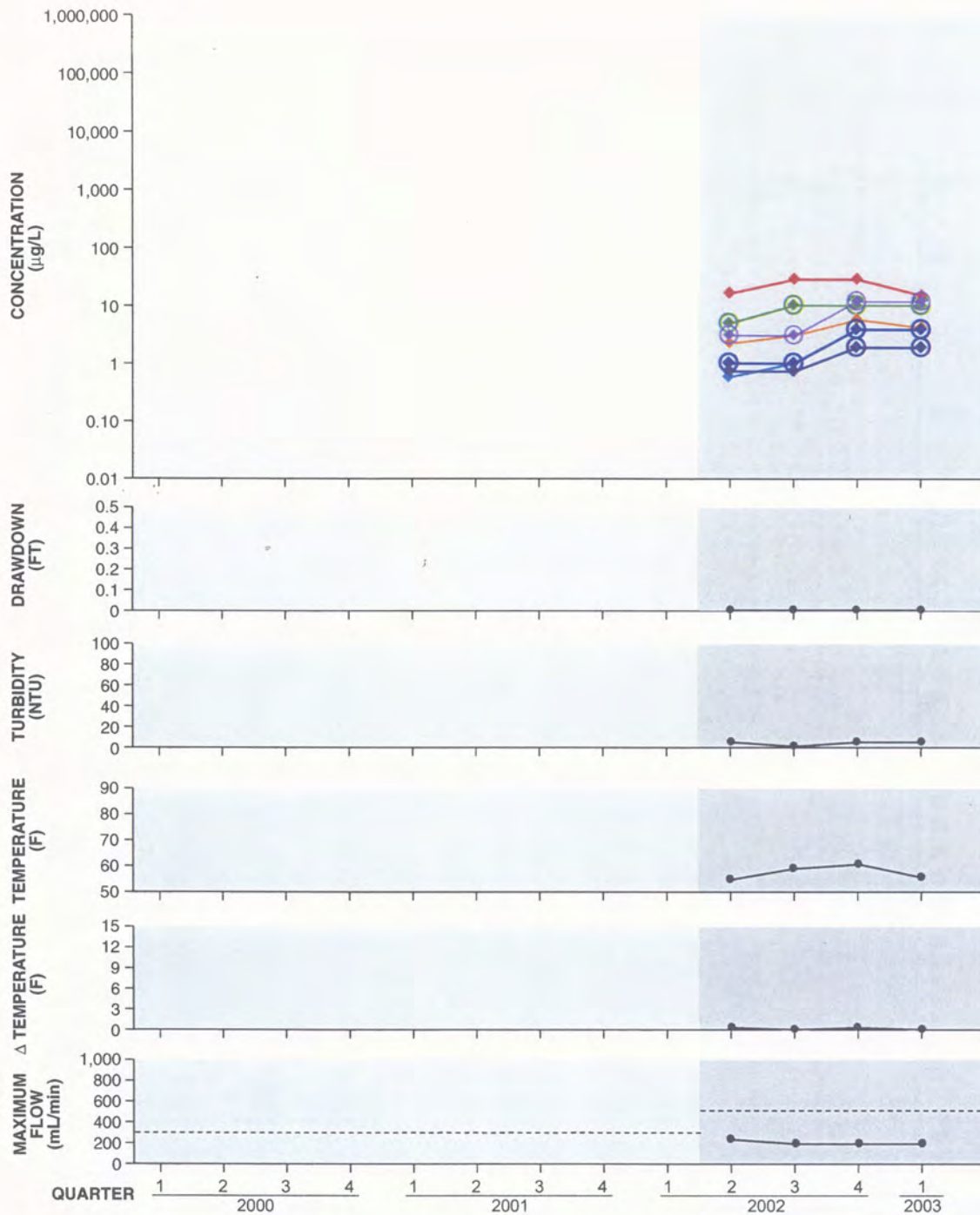


Figure 18b. Time series plots of selected metals and field parameters for well CG-124-70

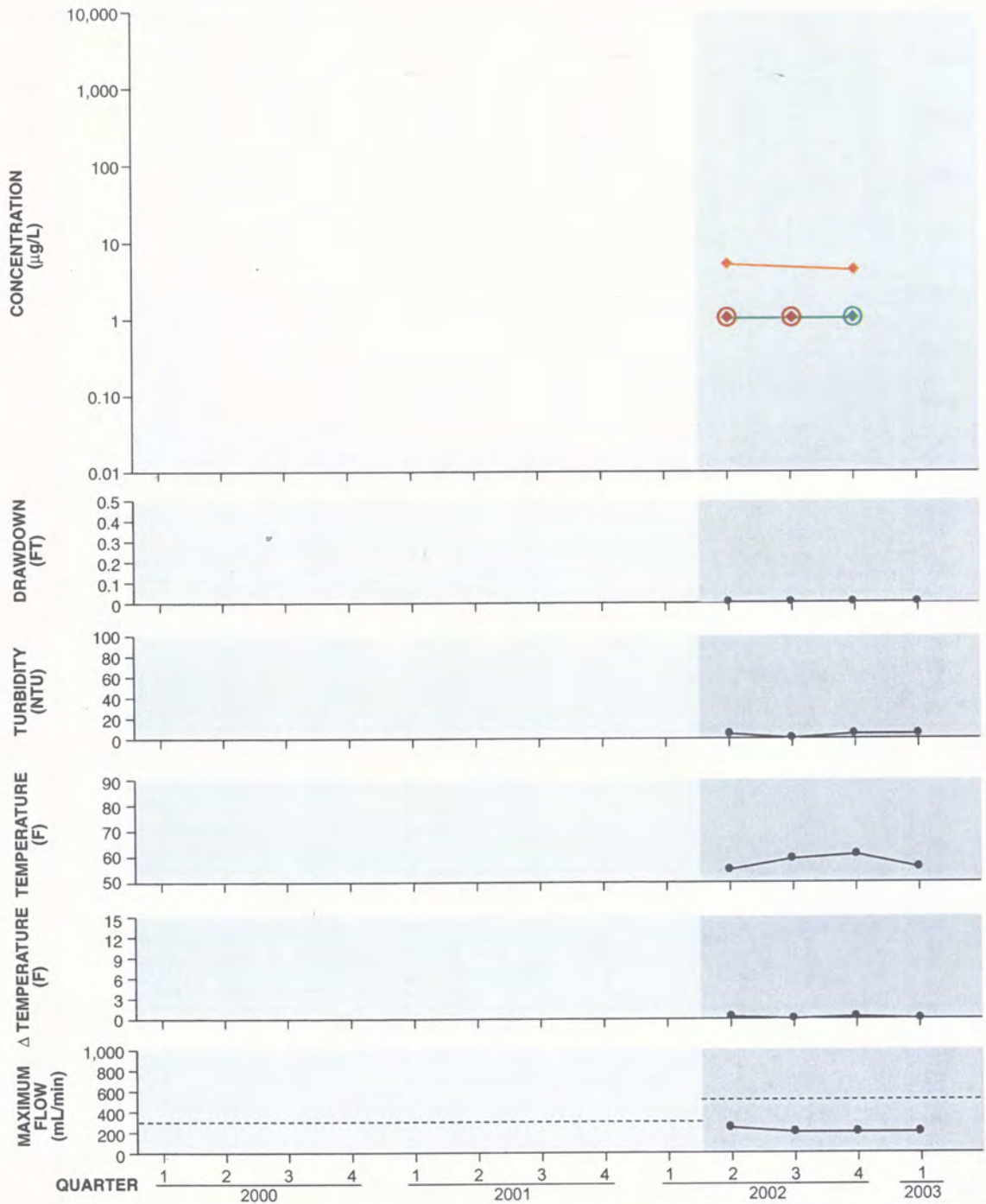




300 mL/min Limit      500 mL/min Limit  
**MICROPURGE TECHNIQUE**                      **REVISED LOW-FLOW TECHNIQUE**

- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 19a. Time series plots of selected organic analytes and field parameters for well CG-124-WT



**LEGEND**

- Arsenic
- ◇— Chromium
- ◇— Lead
- ◇— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 19b. Time series plots of selected metals and field parameters for well CG-124-WT

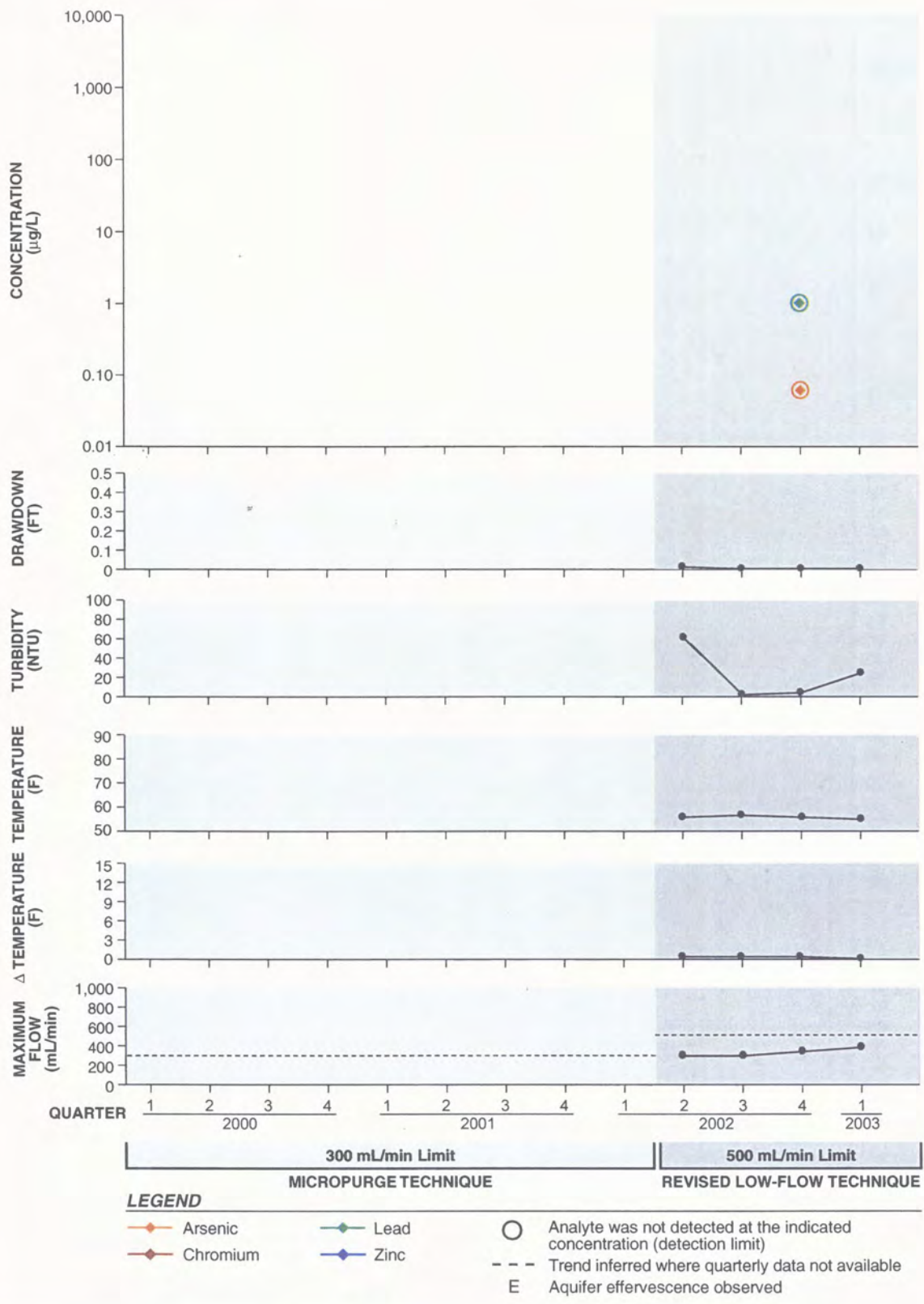
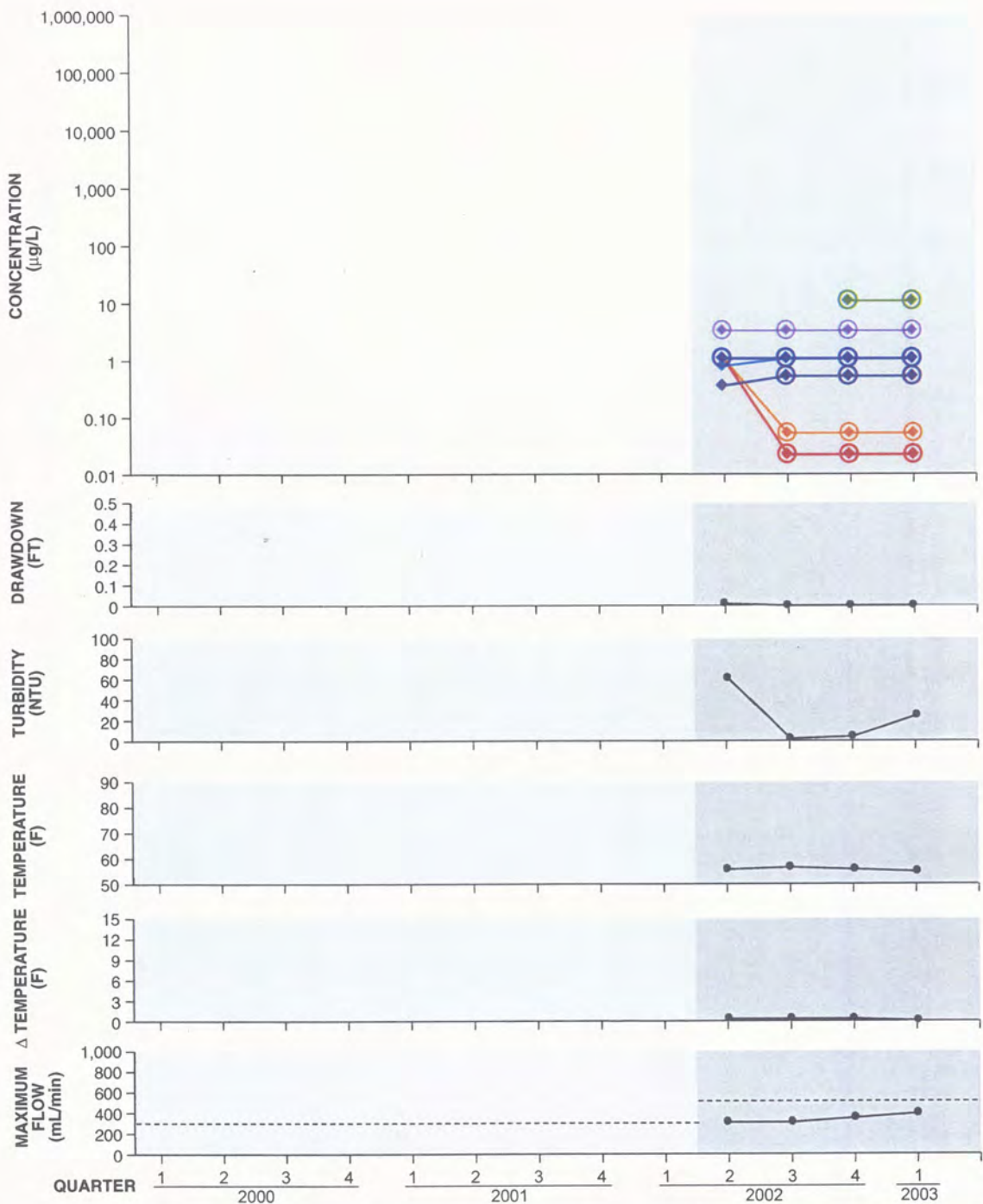


Figure 20b. Time series plots of selected metals and field parameters for well CG-128-70



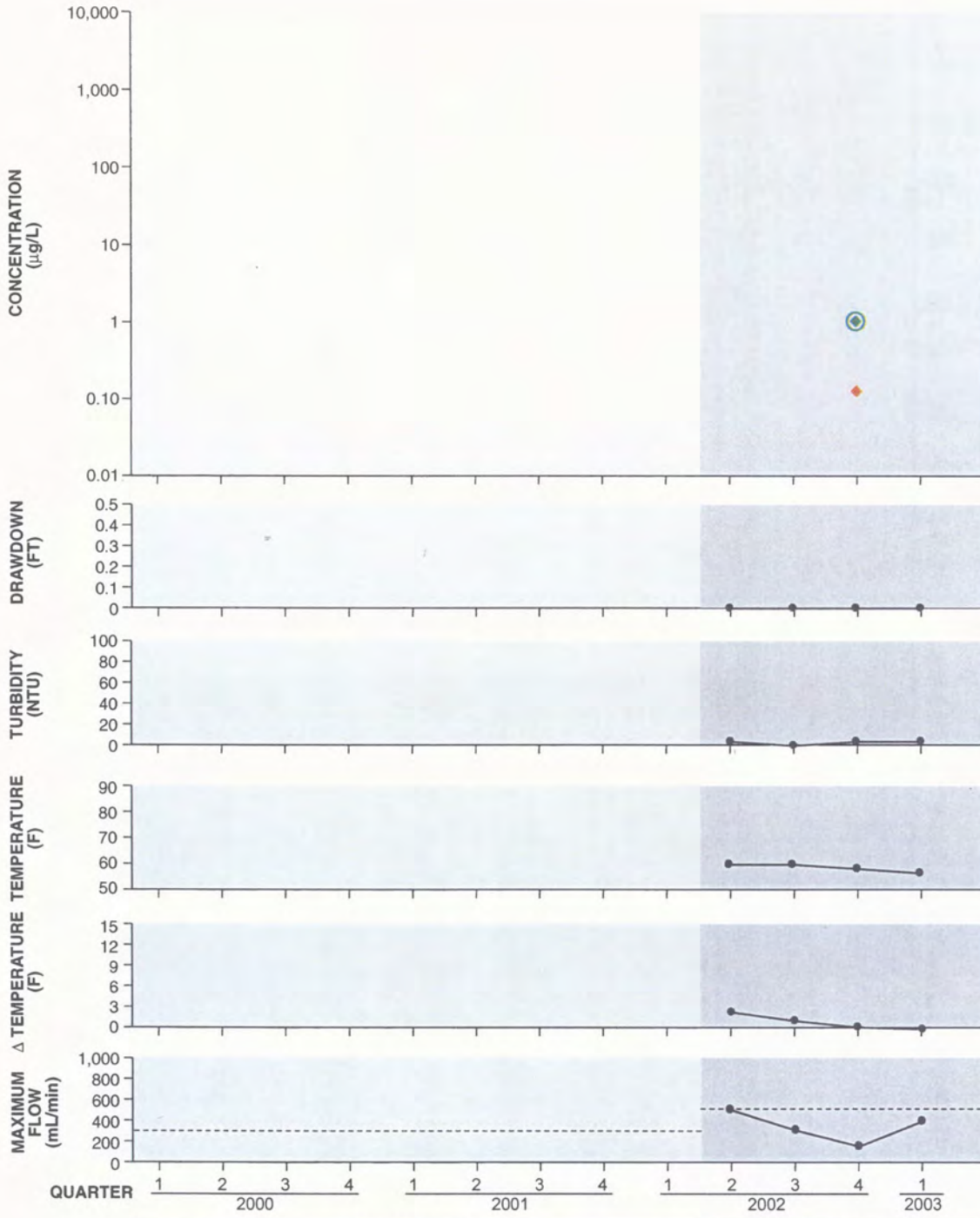


**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 20a. Time series plots of selected organic analytes and field parameters for well CG-128-70





**LEGEND**

- Arsenic
- ◇— Chromium
- ◇— Lead
- ◇— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 21b. Time series plots of selected metals and field parameters for well CG-129-40

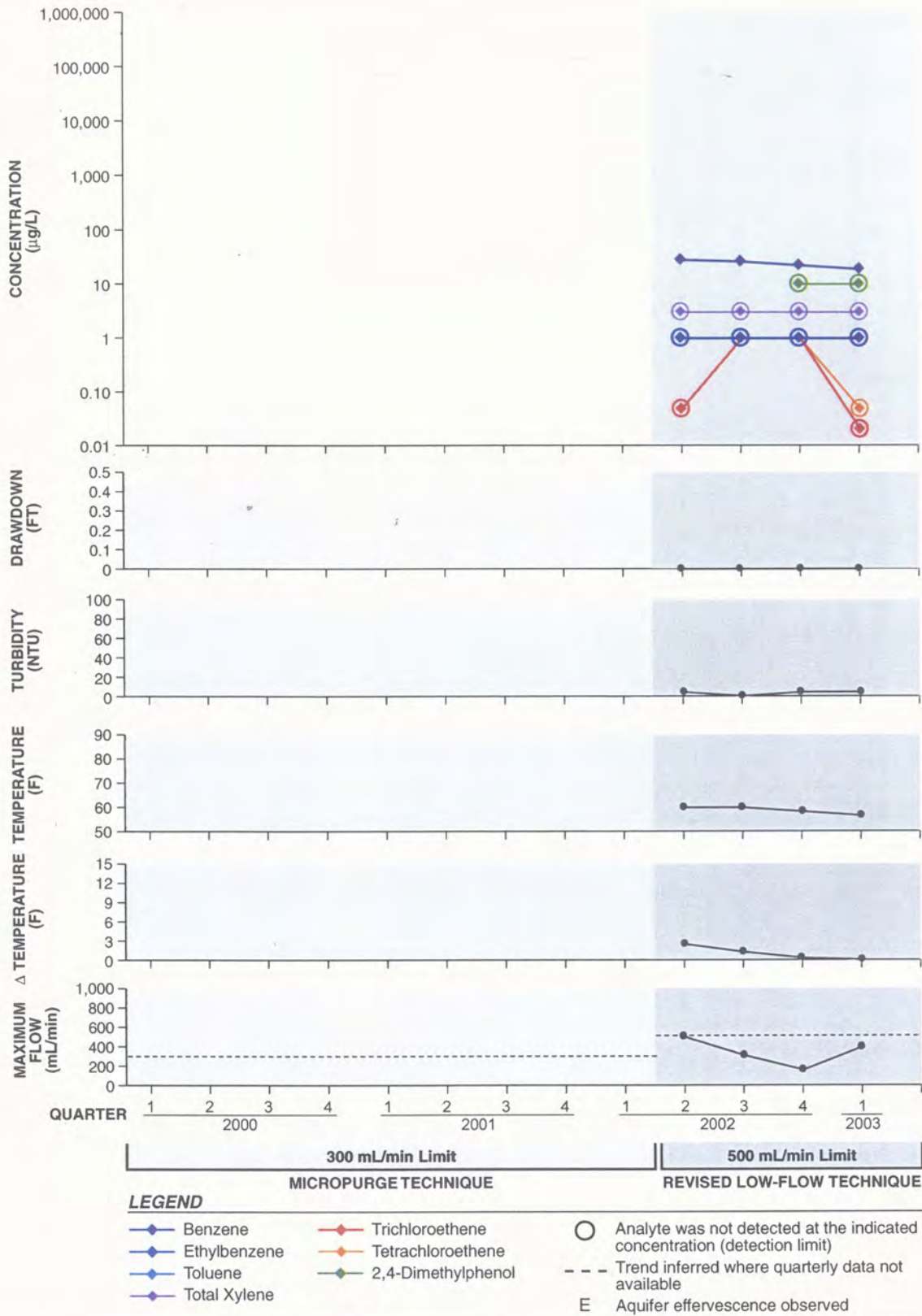


Figure 21a. Time series plots of selected organic analytes and field parameters for well CG-129-40

## **Tables**

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**Table 1. Selected completion details for wells used in evaluation**

Well	Installation Date	Total Borehole Depth (ft bgs)	Screen Interval (ft bgs)	Pump Type
CG-2-S1	07/31/89	20.5	8.5–18.5	Bladder
CG-9-S1	07/25/89	19.0	7.0–17.0	Bladder
CG-103-I	06/05/92	80.0	61.0–71.0	Grundfos
CG-103-S1	05/08/92	18.0	7.5–17.5	Bladder
CG-103-S2	05/11/92	35.5	25.0–35.0	Grundfos
CG-104-I	06/14/92	70.0	55.5–65.5	Grundfos
CG-104-S1	05/12/92	18.0	7.5–17.5	Grundfos
CG-104-S2	05/13/92	33.0	20.5–30.5	Grundfos
CG-105-I	06/11/92	76.5	56.2–66.2	Grundfos
CG-105-S1	05/14/92	17.5	7.0–17.0	Grundfos
CG-105-S2	05/15/92	35.0	25.0–35.0	Bladder
CG-113-S1	11/20/00	15.5	5.0–15.0	Grundfos
CG-114-75	03/20/02	80	64.2–74.2	Bladder
CG-115-WT	03/20/02	16	5.0–15.0	Bladder
CG-121-40	03/19/02	42	30.0–40.0	Bladder
CG-122-60	03/05/02	63	50.0–60.0	Bladder
CG-124-40	03/27/02	42	30.0–40.0	Bladder
CG-124-70	03/27/02	74	60.0–70.0	Bladder
CG-124-WT	03/27/02	16	4.5–14.5	Bladder
CG-128-70	03/26/02	74	60.0–70.0	Bladder
CG-129-40	03/05/02	42	30.0–40.0	Bladder

**Note:** ft bgs - feet below ground surface



Table 2. Variations for Micropurge and revised low-flow sampling from standard operating procedures by well and quarter

Well	2000				2001				2002				Revised Low-Flow Procedure	
	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter
CG-2-S1	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>	-- <sup>a</sup>
CG-9-S1	T <sup>b</sup>	R	R, T <sup>b</sup>	P	R, T <sup>a</sup>	D(400)	T	T						
CG-103-I	--	D, R	--	-- <sup>a</sup>	D, R, T <sup>a</sup>	D, R, T <sup>a</sup>	P, R, T <sup>a</sup>	-- <sup>a</sup>	-- <sup>c</sup>	-- <sup>c</sup>	T	P, D, T	--	--
CG-103-S1	--	R	R, T	D, R, T <sup>b</sup>	--	--	--	--	D, R	--	--	--	--	R
CG-103-S2	D, T <sup>b</sup>	R	D	R, T <sup>b</sup>	--	--	--	--	-- <sup>c</sup>	-- <sup>c</sup>	C	--	--	C, R
CG-104-I	--	R, TEMP	--	D, R	--	--	--	--	--	--	--	--	--	R
CG-104-S1	D	R	C, P	R, T <sup>b</sup>	--	--	P	P	C, R	--	--	--	--	--
CG-104-S2	R	R(350)	R	--	D, R, T <sup>b</sup>	--	--	P	-- <sup>c</sup>	-- <sup>c</sup>	--	--	--	--
CG-105-I	(350)	--	R	R, T <sup>b</sup>	--	--	--	--	-- <sup>c</sup>	-- <sup>c</sup>	--	--	--	--
CG-105-S1	--	--	D, R <sup>a</sup>	C, R	--	P, R <sup>a</sup>	P, T <sup>a</sup>	T(400)	--	C, D, R <sup>a</sup>	(600) <sup>a</sup>	--	--	R
CG-105-S2	NI	NI	NI	NI	D	D, R <sup>a</sup>	NI	NI	D <sup>a</sup>	--	--	--	--	R
CG-113-S1	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-114-75	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-115-WT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-121-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R, T
CG-122-60	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-124-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-124-70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R
CG-124-WT	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	C, R, T
CG-128-70	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	--
CG-129-40	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	NI	R, T

Note: Numbers in parentheses indicate a purge rate greater than purge rate in appropriate standard operating procedure. Drawdowns exceeding 0.3 ft and 0.33 ft (for Micropurge and revised low-flow, respectively) are outlined.

- all parameters stabilized
- C - conductivity not stabilized
- D - dissolved oxygen not stabilized
- NA - not applicable
- NI - well not installed
- P - pH not stabilized
- R - oxidation reduction potential not stabilized
- T - turbidity not stabilized
- TEMP - temperature not stabilized

<sup>a</sup> Unable to maintain steady flow due to aquifer effervescence.  
<sup>b</sup> Turbidity less than 10 NTU.  
<sup>c</sup> Dissolved oxygen for the last readings is zero.

**Table 3. Evaluation of time series plots showing selected organic analytes and field parameters for Micropurge evaluation at Philip Services Corporation's Georgetown facility**

Well	Program Related Issues				Event Related Issues	
	(1st Quarter 2000-1st Quarter 2003)		(1st Quarter 2000-1st Quarter 2003)		(1st Quarter 2000-1st Quarter 2003)	
	Organic Trends	Field Parameters	Detection Limits	Vary	Quarter	Issue
CG-2-S1	Insufficient data to determine trend	Insufficient data to determine trend	Yes	Yes	2nd Qtr 2000	Turbidity high
					4th Qtr 2001	Temperature low
					4th Qtr 2001	Δ Temperature small
					1st Qtr 2002	Benzene, toluene, and xylenes detection limits high
					1st Qtr 2002	Ethylbenzene high
					1st Qtr 2002	PCE and TCE high
					1st Qtr 2003	Temperature low
					1st Qtr 2003	Δ Temperature small
CG-9-S1	Insufficient data to determine trend	Insufficient data to determine trend	Yes	Yes	3rd Qtr 2000	2,4-Dimethylphenol high
					4th Qtr 2000	Toluene low
					4th Qtr 2001	Benzene detection limit high
					4th Qtr 2001	PCE and TCE detection limits high
					1st Qtr 2001	PCE and TCE detection limits high
					3rd Qtr 2001	Temperature high
					3rd Qtr 2001	Δ Temperature large
					1st Qtr 2003	Temperature low
CG-103-I	No	No	Yes	Yes	1st Qtr 2001	Temperature low
					1st Qtr 2001	Turbidity high
					4th Qtr 2001	Turbidity high
					1st Qtr 2002	Drawdown high
					3rd Qtr 2002	Temperature high
CG-103-S1	No	Temperature lower and total temperature change lower	Yes	Yes	3rd Qtr 2000	PCE high
					1st Qtr 2002	Turbidity high
					1st Qtr 2002	Temperature low
					1st Qtr 2002	Ethylbenzenes, toluene, and xylenes high
					3rd Qtr 2002	Turbidity high
CG-103-S2	No	No	Yes	Yes	3rd Qtr 2000	2,4-Dimethylphenol high
					3rd Qtr 2001	Turbidity high
					3rd Qtr 2002	Δ Temperature large

Table 3. (cont.)

Well	Program Related Issues				Event Related Issues	
	(1st Quarter 2000-1st Quarter 2003)		(1st Quarter 2000-1st Quarter 2003)			
	Organic Trends	Field Parameters	Detection Limits	Quarter	Issue	
CG-104-I	No	No	Vary	3rd Qtr 2001	Temperature high	
			Yes	3rd Qtr 2001	Δ Temperature large	
				4th Qtr 2001	BTEX detection limits high	
				4th Qtr 2001	PCE and TCE detection limits high	
				1st Qtr 2002	Turbidity high	
				3rd Qtr 2002	BTEX detection limits high	
CG-104-S1	No	No	Yes	3rd Qtr 2002	PCE and TCE detection limits high	
				2nd Qtr 2000	Benzene and ethylbenzene low	
				3rd Qtr 2001	Turbidity high	
				4th Qtr 2001	Benzene detection limit high	
				4th Qtr 2001	PCE and TCE detection limits high	
				4th Qtr 2002	Δ Temperature small	
CG-104-S2	No	No	Yes	1st Qtr 2003	PCE and TCE detection limits high	
				1st Qtr 2003	Δ Temperature small	
				1st Qtr 2000	Ethylbenzene high	
				2nd Qtr 2001	Temperature high	
				2nd Qtr 2001	Benzene, ethylbenzene, and toluene low	
				3rd Qtr 2001	Turbidity high	
CG-105-I	No	No	Yes	1st Qtr 2002	Toluene high	
				4th Qtr 2001	Benzene, ethylbenzene, and xylenes detection limits high	
				4th Qtr 2001	TCE detection limit high	
				1st Qtr 2002	Toluene detection limit high	
				1st Qtr 2002	TCE detection limit high	
				1st Qtr 2002	Turbidity high	
CG-105-I	No	No	Yes	4th Qtr 2002	BTEX detection limits high	
				4th Qtr 2002	TCE detection limit high	
				1st Qtr 2003	Benzene, ethylbenzene, and xylenes detection limits high	
				1st Qtr 2003	TCE detection limit high	

Table 3. (cont.)

Well	Program Related Issues (1st Quarter 2000-1st Quarter 2003)		Event Related Issues (1st Quarter 2000-1st Quarter 2003)	
	Organic Trends	Field Parameters	Detection Limits	Quarter
CG-105-S1	No	No	Vary	1st Qtr 2000 Temperature low
			Yes	1st Qtr 2000 Benzene detection limit high
				1st Qtr 2000 PCE and TCE detection limits high
				3rd Qtr 2000 Benzene low
				1st Qtr 2001 2,4-Dimethylphenol low
CG-105-S2	No	No	Yes	3rd Qtr 2001 Turbidity high
				4th Qtr 2001 Benzene detection limit high
				4th Qtr 2001 PCE and TCE detection limits high
				1st Qtr 2003 Benzene detection limit high
				1st Qtr 2003 PCE and TCE detection limits high
CG-113-S1	NA	NA	Yes	2nd Qtr 2000 Ethylbenzene and xylenes high
				3rd Qtr 2000 PCE high
				2nd Qtr 2001 Turbidity high
				2nd Qtr 2002 Toluene high
CG-114-75	NA	NA	Yes	3rd Qtr 2001 Turbidity high
				4th Qtr 2001 Benzene detection limit high
CG-115-WT	NA	NA	No	4th Qtr 2001 PCE and TCE detection limits high
				2nd Qtr 2002 Turbidity high
CG-121-40	NA	NA	Yes	
CG-122-60	NA	NA	Yes	
CG-124-40	NA	NA	Yes	
CG-124-70	NA	NA	Yes	
CG-124-WT	NA	NA	Yes	



**Table 3. (cont.)**

Well	Program Related Issues				Event Related Issues	
	(1st Quarter 2000-1st Quarter 2003)		Detection Limits		(1st Quarter 2000-1st Quarter 2003)	
	Organic Trends	Field Parameters	Vary	Yes	Quarter	Issue
CG-128-70	NA	NA		Yes		
CG-129-40	NA	NA		Yes		

**Note:** Δ - change  
 BTEX - benzene, toluene, ethylbenzene, and xylenes  
 NA - not applicable  
 PCE - tetrachloroethene  
 Qtr - quarter  
 TCE - trichloroethene

**Table 4. Evaluation of time series plots showing selected metals and field parameters for Micropurge evaluation at Philip Services Corporation's Georgetown facility**

Well	Program Related Issues (1st Quarter 2000–1st Quarter 2003)			Event Related Issues (1st Quarter 2000–1st Quarter 2003)	
	Organic Trends	Field Parameters	Detection Limits Vary	Quarter	Issue
	CG-2-S1	Insufficient data to determine trend	Insufficient data to determine trend	Yes	2nd Qtr 2000 4th Qtr 2001 4th Qtr 2001 1st Qtr 2003 1st Qtr 2003
CG-9-S1	Insufficient data to determine trend	Insufficient data to determine trend	Yes	3rd Qtr 2001 3rd Qtr 2001 1st Qtr 2003 1st Qtr 2003	Temperature high $\Delta$ Temperature large Temperature low $\Delta$ Temperature small
CG-103-I	No	No	Yes	1st Qtr 2001 1st Qtr 2001 4th Qtr 2001 1st Qtr 2002 3rd Qtr 2002	Temperature low Turbidity high Turbidity high Drawdown high Temperature high
CG-103-S1	No	Temperature lower and total temperature change lower	Yes	1st Qtr 2002 1st Qtr 2002 3rd Qtr 2002	Turbidity high Temperature low Turbidity high
CG-103-S2	No	No	Yes	3rd Qtr 2001 3rd Qtr 2002	Turbidity high $\Delta$ Temperature large
CG-104-I	No	No	Yes	3rd Qtr 2001 3rd Qtr 2001 1st Qtr 2002	Temperature high $\Delta$ Temperature large Turbidity high
CG-104-S1	No	No	Yes	1st Qtr 2001 2nd Qtr 2001 3rd Qtr 2001 4th Qtr 2002 1st Qtr 2003	Arsenic low Arsenic low Turbidity high $\Delta$ Temperature low $\Delta$ Temperature low
CG-104-S2	No	No	Yes	2nd Qtr 2001 3rd Qtr 2001	Temperature high Turbidity high
CG-105-I	No	No	Yes	1st Qtr 2002	Turbidity high
CG-105-S1	No	No	Yes	1st Qtr 2000 3rd Qtr 2001	Temperature low Turbidity high
CG-105-S2	No	No	Yes	2nd Qtr 2001	Turbidity high

**Table 4. (cont.)**

Well	Program Related Issues (1st Quarter 2000–1st Quarter 2003)			Event Related Issues (1st Quarter 2000–1st Quarter 2003)	
	Organic	Field	Detection Limits	Quarter	Issue
	Trends	Parameters	Vary		
CG-113-S1	NA	NA	Yes	3rd Qtr 2001	Turbidity high
CG-114-75	NA	NA	No	2nd Qtr 2002	Turbidity high
CG-115-WT	NA	NA	No	2nd Qtr 2002	Arsenic elevated
CG-121-40	NA	NA	No		
CG-122-60	NA	NA	No	2nd Qtr 2002	Turbidity high
				2nd Qtr 2002	Arsenic elevated
CG-124-40	NA	NA	No		
CG-124-70	NA	NA	No	2nd Qtr 2002	Turbidity high
CG-124-WT	NA	NA	No		
CG-128-70	NA	NA	No		
CG-129-40	NA	NA	No		

**Note:** Δ - change  
 NA - not applicable  
 Qtr - quarter

**Attachment A**

**Micropurge Groundwater  
Sampling Procedure (PSC  
SOP-124, Revision 3)**



# MicroPurge Ground Water Sampling Procedure

SOP No. PSC - 124

Origination Date: 11/23/97

Revision Date: 8/14/99

Revision No. 3

Page 1 of 6

Written By:	Approved By:	Date:	QA Concurrence:	Date:
Carolyn Mayer	Carolyn Mayer	8/14/99	Natasya Gray	8/14/99

This SOP contains nine sections:

- 1.0 Purpose
- 2.0 Application
- 3.0 References
- 4.0 Associated SOPs
- 5.0 Equipment
- 6.0 Decontamination
- 7.0 Well Sampling Procedures
- 8.0 Documentation
- 9.0 Measure of Proficiency

## 1.0 Purpose

The purpose of this SOP is to provide ground water sampling personnel with an outline of the specific information needed to collect and document representative ground water samples for chemical analyses from monitoring wells using USEPA's MicroPurge low-flow groundwater sampling technique.

## 2.0 Application

This SOP provides a step-by-step guideline to be followed by the field sampling crew to assure consistent and representative sampling.

## 3.0 References

RCRA Groundwater Draft Technical Guidance (EPA, 1992)

SOP GW-0001, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (USEPA, Region I, July 30, 1996)

## **MicroPurge Ground Water Sampling Procedure**

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### **4.0 Associated SOPs**

PSC-121	PSC-122	PSC-123	PSC-200
PSC-201	PSC-300	PSC-400	

### **5.0 Equipment**

The following equipment is necessary to properly sample a ground water monitoring well:

- A well key, hand drill, socket set, pad lock key, or other well access equipment.
- A photo-ionization detector to monitor and record the well headspace.
- An electric water meter and oil/water interface probe calibrated to a hundredth of a foot, and sufficiently long to reach the bottom of the well.
- Well purging equipment (e.g. pump, tubing, power supply, and extension cord).
- A sufficient number of 55-gallon drums (including lids, gaskets, and fasteners) to contain all purge water, unless other water handling arrangements have been made.
- Flow-through water quality meter(s) that measures temperature, pH, specific conductivity, dissolved oxygen, redox potential, and a separate turbidity meter.
- A sufficient number of sampling containers including containers for field blanks, equipment blanks, duplicates, trip blanks, and matrix spike/matrix spike duplicates.
- All required documentation including sample labels, field books, sampling forms, and chains-of-custody.
- Chemical preservatives for samples as described in the project-sampling plan or as required by the laboratory.
- Personal protective equipment as described in the Site Health and Safety Plan.

## **MicroPurge Ground Water Sampling Procedure**

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- Decontamination equipment as specified in the Work Plan.
- Sampling support equipment (e.g., sample coolers, ice/blue ice, bubble wrap, clear tape, duct tape, Ziploc bags, razor knives, garbage bags, paper towels, distilled water, pipettes, nitrile gloves).

### **6.0 Decontamination**

All reusable equipment that will come in contact with the well and/or be used to acquire samples will be decontaminated prior to arrival on site, relocation on site, and site exit. Standard Operating Procedures PSC-201 (for Teflon and glass) and PSC-200 (for metal) shall be followed.

### **7.0 Well Sampling Procedures**

#### **7.1 Set Up**

Upon arrival at each well, the following procedures shall be followed:

- Suit up in appropriate personal protective equipment as described in the Site Health and Safety Plan.
- Brush any soil or vegetation and pump any standing water away from the well opening.
- Lay plastic sheeting around well to place equipment on and keep cords, tubing and pumps from touching the ground.
- Open the well cap.
- Monitor the headspace within the well using the PID (PSC-300 for PID operation). This is done by placing the instrument probe at the opening of the well, and recording the reading in the field book and on the appropriate field forms.
- Measure and record the depth to water using a decontaminated water level indicator or oil/water interface probe. All measurements are to be made in accordance with PSC-121-123. All measurements will be taken from the north point on the dedicated

## **MicroPurge Ground Water Sampling Procedure**

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pump or at the hatch mark on the well riser. Measurements are to be made to the nearest one hundredth of a foot and recorded in the field book and on the appropriate field form.

- Set up pump, converter, and flow-through cell in preparation for purging. Turn converter to its lowest setting, set memory in flow-through cell to record readings every three minutes, then turn the converter on. Begin purging slowly so that the water table is not drawn down.

## **7.2 Purging Monitoring Wells**

### **7.2.1 Purging Procedure**

#### **General Considerations**

Begin to purge and initiate water quality testing for temperature, pH, specific conductivity, dissolved oxygen, redox potential, and turbidity. Water quality parameters should be recorded every 3 minutes.

Water levels should also be recorded every 3-5 minutes. It is imperative that the water level does not drop by more than 0.3' during the purging process.

Flow rates should also be recorded every 3-5 minutes. It is also important to ensure the flow rate does not exceed 300 ml/min during the purging process.

#### **7.2.1.1 Purging Wells with Dedicated Pumps**

Wells with dedicated pumps also have dedicated tubing that will be used for both purging and sampling. A converter, powered by a generator or electrical outlet, will be hooked up to the Grundfos Redi-Flow II submersible pump and operated at a low flow rate of less than 300 ml/min. Be sure that the control box is set at low when it is turned on so that the water column is not abruptly disturbed.

#### **7.2.1.2 Purging Wells with Non-Dedicated Pumps**

Wells without dedicated pumps will be purged with a peristaltic pump and disposable Teflon and silicon tubing. The flow rate for these pumps is also expected to be less than 300 ml/min during the purging process.



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If the well does not have a dedicated pump or LNAPL, then the Teflon sample tubing can be lowered to the middle of the screened interval of the well. Pumping can begin at a low rate of less than 300 ml/min. Be sure that the control box is set on low when it is turned on so that the water column is not abruptly disturbed.

If the well currently contains LNAPL, then a 1.5" diameter PVC pipe with a silicone plug will be lowered into the well in order to pass through the LNAPL layer. The Teflon tubing will be lowered through the PVC pipe and it will knock out the plug to reach the water column beneath the LNAPL layer. The bottom of the Teflon tubing should be in the middle of the well screen. (The plug will be tied to a silicone line that reaches to ground surface so that the plug can be removed from the well after sampling.) Once the Teflon tube is in the water column, the pump can be started at a low rate of less than 300 ml/min. Be sure that the control box is set at low when it is turned on so that the water column is not abruptly disturbed.

### **7.2.2 Purging Requirements**

Sampling cannot begin until one of the following requirements has been met:

- Turbidity, redox potential, and dissolved oxygen have stabilized within 10% of each other, temperature and specific conductivity have stabilized within 3% of each other, and pH has remained within 0.1 pH unit for at least three consecutive readings;
- If stabilization of the water quality parameters is unachievable but one well volume of groundwater has been removed from the well;
- The well runs dry twice during the purging procedure.

## **7.3 Sampling Procedure**

### **General Considerations**

Do not stop pumping once the purging requirements have been met. Disconnect the sampling tube from the flow-through cell. Slow the pumping rate to about 100 ml/min in order and to reduce the chance of volatilization of the chemicals will collecting the samples. It is also imperative not to lower the water table or disturb the water column.

### **7.3.1 Sampling Wells with Dedicated Pumps**

Wells with dedicated pumps will be sampled directly from the dedicated tubing.

## **MicroPurge Ground Water Sampling Procedure**

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### **7.3.2 Sampling Wells with Non-dedicated Pumps**

Wells without dedicated pumps will be sampled with the peristaltic pump using the disposable Teflon tubing that was used for purging.

### **7.4 Post-Sampling Procedures**

After all the samples have been collected in their appropriate bottles, at least one more water quality reading should be recorded in order to see if there was any change during sampling.

The depth to water should be recorded to determine whether the water level changed from the original reading.

Close the well appropriately and record any well integrity concerns in the field book and on the sampling form.

### **8.0 Documentation**

Documentation of all monitoring well development activities including all field forms and the maintenance of a detailed field notebook are described in PSC-400.

### **9.0 Measure of Proficiency**

Field staff will demonstrate proficiency on this SOP by successfully completing sections 6.0, 7.0, and 8.0 a minimum of twice under the direct supervision of the Corrective Actions Manager or her/his designee.

**Attachment B**

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**Low-Flow Groundwater  
Sampling Procedure (PSC  
SOP-124, Revision 4)**

# Low-Flow Groundwater Sampling Procedure

SOP No. PSC - 124

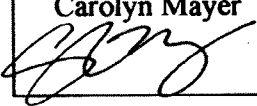
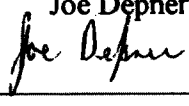
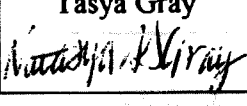
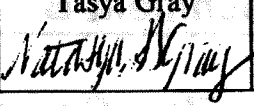
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Written By:	Edited by:	Approved By:	QA Concurrency:	Date:
Carolyn Mayer 	Joe Depner 	Tasya Gray 	Tasya Gray 	2/22/02

This SOP contains nine sections:

- 1 Purpose
- 2 Application
- 3 References
- 4 Associated SOPs
- 5 Equipment
- 6 Decontamination
- 7 Well Sampling Procedures
- 8 Documentation
- 9 Measure of Proficiency

## 1 Purpose

The purpose of this SOP is to provide personnel with the specific information needed to consistently collect and document representative groundwater samples for laboratory analyses from monitoring wells using a low-flow groundwater sampling technique.

The purpose of low-flow groundwater sampling is to collect a groundwater sample that is representative of actual site conditions. Therefore, the purge rate is designed to be low enough to simulate actual groundwater flow and to pull water from a discrete zone near the pump intake into the pump rather than pulling groundwater from a large area around the well or outside of the screened area of the well. A low purge rate is also intended to reduce the possibility of stripping volatile organic compounds from groundwater and to reduce the likelihood of mobilizing colloids in the subsurface that are immobile under natural flow conditions.



## **Low-Flow Groundwater Sampling Procedure**

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## **2 Application**

This SOP applies to groundwater sampling of permanent monitoring wells at PSC facilities that are undergoing RCRA Corrective Action in Washington State.

The basis for choosing low-flow sampling methodology for these sites is that all of the sites have defined groundwater plumes and wells that are accurately screened in the known plume areas.

## **3 References**

U.S. EPA. 1992. RCRA Groundwater Draft Technical Guidance.

U.S. EPA, Region I. 30 July 1996. SOP GW-0001, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells.

Puls, R. and M. Barcelona. April 1996. Ground Water Issue: Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures. U.S. EPA. EPA/540/S-95/504.

Wilde, F.D., D.B. Radtke, J.Gibs and R.T. Iwatsubo, eds. 1998. *National Field Manual for the Collection of Water-Quality Data*, U.S. Geological Survey Techniques of Water-Resources Investigations, Book 9, Handbooks for Water-Resources Investigations, variously paginated.

Wilkin, R.T., M.S. McNeil, C.J. Adair and J.T. Wilson. 2001. Field Measurement of Dissolved Oxygen: A Comparison of Methods. *Ground Water Monitoring and Remediation*, Vol. 21, No. 4, pp. 124-132.

Phoenix Health and Safety, Inc. January 2001. Site Health and Safety Plan – Corrective Actions Group.

PSC, 2002. Groundwater Sampling Field Manual. (Updated Annually)

## **4 Associated SOPs**

PSC-120 – Measuring Water, LNAPL, and DNAPL Elevations

PSC-200 – Equipment Decontamination Procedure

## **Low-Flow Groundwater Sampling Procedure**

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PSC-300 – Photoionization Detector Calibration and Operation

PSC-301 – YSI Calibration and Operation

PSC-302 - Hach Digital Titrator and Colorimeter Procedures

PSC-303 – Turbidimeter DRT-15CE Calibration and Operation

PSC-304 – HORIBA Calibration and Operation

PSC-400 – Documentation Procedures

## **5 Equipment**

The following equipment is recommended for properly sampling a groundwater monitoring well:

- A Groundwater Sampling Field Manual that includes a map of well locations, sampling plan, appropriate SOPs and well construction information.
- A well key, hand drill, socket set, padlock key, or other well access equipment.
- A calibrated photoionization detector (PID) or similar device (and calibration gases), to monitor volatile constituents in the well headspace and breathing zone.
- An electric water-level indicator and/or oil/water interface detector calibrated to 0.01 foot, and sufficiently long to reach the bottom of the well.
- A weighted tape measure for determining total depths of wells, when this is required.
- Well purging equipment (e.g.; pump, converter, tubing, power supply and extension cord).
- A sufficient number of containers (e.g., 55-gallon drums with lids, labels, gaskets, and fasteners) to store all purge water, unless other water handling arrangements have been made.
- A calibrated flow-through water-quality meter(s) and calibration solutions to measure temperature, pH, specific conductivity, dissolved oxygen (DO) and oxidation-reduction potential (ORP).
- An instrument and calibration solutions to measure turbidity.

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- In-line disposable filters, if necessary, for metals analyses.
- A sufficient number of sampling containers, including containers for regular samples and quality control samples (e.g., field blanks, equipment blanks, duplicates, trip blanks, and matrix spike/matrix spike duplicates).
- All required documentation including sample labels, field books, sampling forms, chain-of-custody (COC) forms, pens and paper for sampling forms, and COC seals.
- Personal protective equipment (PPE) described in the site health and safety plan.
- Decontamination equipment as specified in SOP PSC-200.
- Water flow-rate measurement equipment (e.g., flow meter, or graduated container and stopwatch).
- Sampling support equipment and supplies (e.g., sample coolers, ice/blue ice, bubble wrap and VOC bottle holders, tape, plastic locking bags, razor knives, garbage bags, paper towels, deionized water, nitrile gloves, five-gallon buckets, and protective plastic sheeting) as needed.

## **6 Decontamination**

All reusable equipment that will contact the well and/or water samples will be decontaminated prior to its use, according to the procedures described in SOP PSC-200.

## **7 Well Sampling Procedures**

### **7.1 Set Up**

On arrival at each well, the following procedures shall be followed:

- Don appropriate PPE as described in the site health and safety plan.
- Remove any soil or vegetation, and standing water from the well monument casing. Check the well condition, making sure the flexible gasket seals are clean

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and intact. If applicable, also check the condition of the dedicated pump cap. Record any problems in the field book and the appropriate field forms.

- Lay plastic sheeting on the ground around the well, and place the sampling equipment and bottles on the sheeting to keep them from touching the ground.
- Remove the well cap.
- Monitor the headspace within the well using a PID or similar instrument (see SOP PSC-300 for PID operation). Record the reading in the field book and on the appropriate field form(s).
- Set up the pump, converter, and flow-through cell and turbidity meter in preparation for purging. Connect the discharge line from the pump to a flow-through cell. A "T" connection is needed in the tubing between the pump discharge line and the flow-through cell to allow for the collection of water for the turbidity measurements, using a turbidimeter or similar instrument. The discharge line from the flow-through cell must be directed to a container to contain the purge water during the purging and sampling of the well.
- Record the depth of the pump intake on the sampling form and/or in the sampling field book. The Groundwater Sampling Field Manual should specify the pre-determined depths for the pump intakes. The pump intake is set at the interval within the screen where the contamination is known to exist. Check with the project manager if there is uncertainty regarding this issue. The pump should be lowered into the well alongside of a weighted measuring tape or water-level indicator to ensure that the intake of the pump is set at the appropriate depth.
- Measure and record the depth to water using a decontaminated water-level indicator or oil/water interface detector to the nearest 0.01 foot, in accordance with SOP PSC-120. Record the reading in the field book and on the appropriate field form(s). Calculate the volume of water in the casing and the screened interval. The following equation is used to calculate the well volume:

$$V = V_{\text{casing}} (\text{well depth} - \text{static water depth})$$

where:

$$V_{\text{casing}} = \text{casing volume per unit length} \\ (\text{e.g., } \sim 0.17 \text{ gal/ft for two-inch casing})$$

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(The Groundwater Sampling Field Manual includes all well specifications necessary for this calculation.)

- Before purging, adjust the pumping rate to its lowest setting, and set the data logger in the flow-through cell to record readings every three minutes.

### 7.2 Purging Monitoring Wells

#### 7.2.1 Purging Procedure

Measure the initial (static) water level in the well and record the reading on the field form(s). All wells have dedicated tubing that will be used for both purging and sampling.

Start the pump at a flow rate of 200 to 500 mL/min. Maintain a steady flow rate while maintaining a drawdown of less than 0.33 foot. The flow rate can be measured using a graduated cup and a stop watch.

To determine water-level stability, subtract the second water-level reading (not the static water-level reading) from the current water-level reading to determine the current drawdown.

After the flow rate is stable, record the water level and the flow rate every three to five minutes. Record water levels more frequently if the rate is being adjusted. A drawdown less than 0.33 foot is preferred but may not always be possible. If the drawdown exceeds 0.33 foot at low flow rates ( $\leq 500$  mL/min), lower the flow rate as practical (not to drop below 100 mL/min) to reduce the drawdown.

Begin recording water-quality parameters after all water has been purged from the sample tubing, pump, and flow-through cell. Initiate water-quality testing for temperature, pH, specific conductivity, DO, ORP and turbidity. Record water-quality parameters every three to five minutes.

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<sup>1</sup> The 0.33-foot drawdown goal may be difficult to achieve under some circumstances due to geologic heterogeneities within the screened interval, and may require adjustment based on site-specific conditions and personal experience. The water levels in water-table wells should not be allowed to drop below the pump intake. In all other cases, the water level should not be allowed to drop below the top of the well screen. If the water table drops below one of these minimum values, the pump should be turned off and the water level should be allowed to recover. See section 7.2.2, fifth bullet for more information.



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### 7.2.2 Purging Requirements

Sampling cannot begin until the drawdown is no greater than 0.33 foot, and all water-quality parameters are stable. Each water-quality parameter is considered stable when it satisfies the corresponding stability criterion specified in the table below.

Water-Quality Parameter	Stability Criterion
Turbidity	{X} < 5 NTU or RPD < 10 % for values {X} > 5 NTU
Dissolved Oxygen	$\Delta \leq 0.3$ mg/L
Specific Conductivity	RPD $\leq 3$ %
ORP	$\Delta < 10$ mV
pH	$\Delta < 0.1$ unit

Where: {X} = the last three water-quality readings

$$m = \text{mean} = \frac{\text{Max}\{X\} + \text{Min}\{X\}}{2}$$

$$\Delta = \text{Max}\{X\} - \text{Min}\{X\}$$

$$\text{RPD} = \frac{\Delta}{m} \times 100\%$$

*In some circumstances, the well may not stabilize according to the above criteria, but the well can be sampled if one of the following conditions occurs:*

- Wells are unable to meet stability criteria due to equipment accuracy. The accuracy of the instruments will often limit the ability to achieve stabilization on a percentage basis. For example, if the ORP is consistently fluctuating between 1 and 15 mV, then  $\Delta = 14$  mV, which is not within the requirements for stability. However, the accuracy of the instrument currently used is +/- 20 mV. Therefore, in this case the stability criterion would be considered satisfied within the range of accuracy of the equipment. This is particularly important when the water-quality parameter values are low. Examples of accuracy limits for the equipment that is currently used (e.g., YSI and Horiba flow-through cells, and the HF Scientific Turbidimeter) are provided here for reference. However, if another instrument is used, field personnel must consult the instrument's manual to determine its accuracy.

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Water-Quality Parameter	Equipment Accuracy
Turbidity	+/- 0.02 NTU
Dissolved Oxygen <sup>2</sup>	+/- 0.2 mg/L
Specific Conductivity	+/- 0.001 mS/cm
ORP <sup>2</sup>	+/- 20 mV
pH	+/- 0.2 unit

- Wells for which all water-quality parameters have stabilized may be sampled if it is clear that the drawdown will not stabilize before the water level drops below the minimum allowable value (i.e., pump intake, or top of screen if aquifer is confined).
- If collecting metals samples and all water-quality parameters except turbidity stabilize, it is acceptable to collect filtered and unfiltered metals samples without waiting for turbidity to stabilize or for one well volume to be purged. A filtered sample should be collected using a disposable in-line filter. If there are no directions on the filter for rinsing, then a minimum of 0.5 liter of groundwater from the well should be run through the filter prior to collecting the sample.
- Water-quality parameters are not stable, but at least one well volume of water has been removed from the well. See the equation in Section 7.1.
- The water level drops below the minimum value (i.e., the pump intake, or the top of the screen if the aquifer is confined) during purging. In this case, the pump should be turned off and the well should be allowed to recover. As long as a minimum of two tubing volumes (including the tubing and pump) has been removed from the well, then the well should be sampled as soon as the water level has recovered sufficiently to collect volume of groundwater necessary for all samples. Use the following equations to determine the minimum volume of groundwater to be removed prior to sampling when this problem occurs:

Minimum purge volume = 2 [500 mL + M (length of tubing in feet)]  
where M is the volume (in mL) contained in a one-foot length of tubing

<sup>2</sup> If the final dissolved oxygen measurement is less than 1 mg/L, a sample should be collected and analyzed by the spectrometric, colorimetric or Winkler titration methods.

<sup>3</sup> ORP may not always be an appropriate stabilization parameter, depending on site conditions. The project manager may designate wells in the Groundwater Sampling Field Manual that will not require ORP measurements.

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For tubing of various inner diameters, M is equal to:

Inner Diameter	M
1/8"	2.4
1/4"	9.7
1/2"	39

This is acceptable even though the water-quality parameters have not stabilized and one well volume has not been removed.

Record in the field book and field form if any monitoring wells did not meet the stabilization and drawdown criteria and describe the rationale for sampling the well at the time it was sampled.

### 7.3 Sampling Procedure

Do not stop pumping after the purging requirements have been met. Don clean nitrile gloves. Disconnect the sampling tube from the T-fitting. All wells have dedicated tubing that will be used for both purging and sampling. Collect each sample directly from the dedicated tubing. Minimize the turbulence by allowing the groundwater to flow from the tubing gently down the inside of the container.

The sampling flow rate may remain at the established purge rate or may be adjusted slightly to minimize aeration, bubble formation, turbulent filling of sample bottles, or loss of volatiles due to extended residence time in tubing. Typically, flow rates less than 500 mL/min are appropriate.

When collecting the dissolved gas samples (e.g. volatile organic compounds, total petroleum hydrocarbons – gasoline range, or methane/ethane/ethane) the following procedures should be followed:

- The tubing should be completely filled with water to prevent the groundwater from being aerated as it flows through the tubing.
- A meniscus must be formed over the mouth of the vial to eliminate the formation of air bubbles and headspace prior to capping.

Samples do not have to be collected in a particular order unless unfiltered metals samples



are collected, in which case they should be collected last.

## **7.4 Post-Sampling Procedures**

After all of the samples have been collected in containers that are labeled and appropriately treated with preservatives, the following tasks should be completed:

- Measure and record the depth to water to determine total drawdown. Record the estimated total volume of water purged from the well.
- If dedicated equipment is in place at the well, disconnect aboveground tubing and properly seal the well.
- If non-dedicated equipment is used, then remove the equipment. Discard disposable items and decontaminate reusable items according to PSC SOP-200.
- Close and secure the well, and record any well integrity concerns (bolt tightness, etc) in the field book and on the sampling form.
- Rinse the water-quality meters with deionized water between wells.
- Report if any monitoring wells did not meet the stabilization and drawdown criteria with recommendation on how to conduct the sampling for the next sampling event.

## **8 Documentation**

SOP PSC-400 describes the documentation of all monitoring well sampling activities, including all field forms, and the maintenance of a detailed field notebook.

## **9 Measure of Proficiency**

Field staff will demonstrate proficiency on this SOP by properly completing sections 6, 7 and 8 at least twice under the direct supervision of the project manager or her/his designee.







## **APPENDIX 5C**

### **FIELD DUPLICATE SAMPLE RESULTS FOR QUARTERLY GROUNDWATER SAMPLING EVENTS (1Q00 TO 1Q03)**

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-SI-0100	P002160-04	2320B	Bicarbonate Alkalinity	16.4		mg/l	
CG-101-SI-0100	P002160-04	2320B	Carbonate Alkalinity	1.00	U	mg/l	
CG-101-SI-0100	P002160-04	2320B	Hydroxide Alkalinity	1.00	U	mg/l	
CG-101-SI-0100	P002160-04	2320B	Total Alkalinity	16.4		mg/l	
CG-9-101-SI-010	P002160-05	2320B	Bicarbonate Alkalinity	15.8		mg/l	4
CG-9-101-SI-010	P002160-05	2320B	Carbonate Alkalinity	1.00	U	mg/l	0
CG-9-101-SI-010	P002160-05	2320B	Hydroxide Alkalinity	1.00	U	mg/l	0
CG-9-101-SI-010	P002160-05	2320B	Total Alkalinity	15.8		mg/l	4
CG-101-SI-0100	P002160-04	300.0	Chloride	5.25		mg/l	
CG-9-101-SI-010	P002160-05	300.0	Chloride	5.23		mg/l	0
CG-101-SI-0100	P002160-04	300.0	Sulfate	2.28		mg/l	
CG-9-101-SI-010	P002160-05	300.0	Sulfate	2.26		mg/l	1
CG-101-SI-0100	P002160-04	353.2	Nitrate/Nitrite-Nitrogen	0.28	D	mg/l	
CG-9-101-SI-010	P002160-05	353.2	Nitrate/Nitrite-Nitrogen	0.297	D	mg/l	6
CG-101-SI-0100	P002160-04	415.1	Total Organic Carbon	0.461	U	mg/l	
CG-9-101-SI-010	P002160-05	415.1	Total Organic Carbon	0.461	U	mg/l	0
CG-101-SI-0100	P002160-04	4500-C	Carbon dioxide	8.8	J	mg/l	
CG-9-101-SI-010	P002160-05	4500-C	Carbon dioxide	9.5	J	mg/l	8
CG-102-S2-0100	P002115-03	8260B	1,1,1,2-Tetrachloroethane	0.250	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,1,1-Trichloroethane	0.100	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,1,2,2-Tetrachloroethane	0.269	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,1,2-Trichloroethane	0.250	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,1-Dichloroethane	0.210	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,1-Dichloroethene	0.150	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,2-Dichlorobenzene	0.0870	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,2-Dichloroethane	0.190	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,2-Dichloropropane	0.270	U	ug/l	

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S2-0100	P002115-03	8260B	1,3-Dichlorobenzene	0.120	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	1,4-Dichlorobenzene	0.180	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	2-Butanone	1.60	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	2-Hexanone	0.570	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	4-Methyl-2-pentanone	0.480	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Acetone	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Benzene	6.91	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Bromodichloromethane	0.140	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Bromoform	0.160	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Bromomethane	1.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Carbon disulfide	1.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Carbon tetrachloride	0.220	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Chlorobenzene	0.140	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Chloroethane	0.380	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Chloroform	0.420	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Chloromethane	1.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	cis-1,2-Dichloroethene	0.190	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	cis-1,3-Dichloropropene	0.110	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Dibromochloromethane	0.0990	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Dibromomethane	0.130	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Dichlorodifluoromethane	1.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Ethylbenzene	0.140	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Freon 113	1.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Methylene chloride	2.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Naphthalene	0.100	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Styrene	0.150	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Tetrachloroethene	0.270	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Toluene	0.110	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	trans-1,2-Dichloroethene	0.190	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	trans-1,3-Dichloropropene	0.180	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Trichloroethene	0.360	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Trichlorofluoromethane	0.250	U	ug/l	

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S2-0100	P002115-03	8260B	Vinyl acetate	2.00	U	ug/l	
CG-102-S2-0100	P002115-03	8260B	Vinyl chloride	20.2		ug/l	
CG-102-S2-0100	P002115-03	8260B	Xylenes (total)	0.260	U	ug/l	
CG-9-102-S2-010	P002115-04	8260B	1,1,1,2-Tetrachloroethane	0.250	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,1,1-Trichloroethane	0.100	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,1,2,2-Tetrachloroethane	0.269	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,1,2-Trichloroethane	0.250	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,1-Dichloroethane	0.210	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,1-Dichloroethane	0.150	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,2-Dichlorobenzene	0.0870	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,2-Dichloroethane	0.190	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,2-Dichloropropane	0.270	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,3-Dichlorobenzene	0.120	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	1,4-Dichlorobenzene	0.180	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	2-Butanone	1.60	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	2-Hexanone	0.570	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	4-Methyl-2-pentanone	0.480	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Acetone	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Benzene	6.68		ug/l	3
CG-9-102-S2-010	P002115-04	8260B	Bromodichloromethane	0.140	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Bromoform	0.160	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Bromomethane	1.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Carbon tetrachloride	0.220	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Chlorobenzene	0.140	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Chloroethane	0.380	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Chloroform	0.420	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Chloromethane	1.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	cis-1,2-Dichloroethene	0.190	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	cis-1,3-Dichloropropene	0.110	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Dibromochloromethane	0.0990	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Dibromomethane	0.130	U	ug/l	0

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S2-010	P002115-04	8260B	Dichlorodifluoromethane	1.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Ethylbenzene	0.140	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Freon 113	1.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Methylene chloride	2.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Naphthalene	0.100	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Styrene	0.150	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Tetrachloroethene	0.270	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Toluene	0.110	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	trans-1,2-Dichloroethene	0.190	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	trans-1,3-Dichloropropene	0.180	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Trichloroethene	0.360	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Trichlorofluoromethane	0.250	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Vinyl acetate	2.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8260B	Vinyl chloride	19.8	U	ug/l	2
CG-9-102-S2-010	P002115-04	8260B	Xylenes (total)	0.260	U	ug/l	0
CG-6-31-0100	P002112-05RE1	8260B	1,1,1,2-Tetrachloroethane	0.500	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,1,1-Trichloroethane	10.1	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,1,2,2-Tetrachloroethane	0.538	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,1,2-Trichloroethane	0.500	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,1-Dichloroethane	54.2	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,1-Dichloroethene	0.42	JD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,2-Dichlorobenzene	0.94	JD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,2-Dichloroethane	0.96	JD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,2-Dichloropropane	0.540	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,3-Dichlorobenzene	0.240	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	1,4-Dichlorobenzene	0.360	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	2-Butanone	3.20	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	2-Hexanone	1.14	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	4-Methyl-2-pentanone	3.82	JD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Acetone	29.5	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Benzene	3.52	D	ug/l	



2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-6-31-0100	P002112-05RE1	8260B	Bromodichloromethane	0.280	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Bromoform	0.320	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Bromomethane	2.00	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Carbon disulfide	2.00	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Carbon tetrachloride	0.440	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Chlorobenzene	0.280	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Chloroethane	5.24	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Chloroform	0.840	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Chloromethane	2.00	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	cis-1,2-Dichloroethene	128	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	cis-1,3-Dichloropropene	0.220	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Dibromochloromethane	0.198	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Dibromomethane	0.260	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Dichlorodifluoromethane	2.00	UD	ug/l	
CG-6-31-0100	P002112-05	8260B	Ethylbenzene	691	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Freon 113	4.76	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Methylene chloride	4.00	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Naphthalene	40.4	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Styrene	0.300	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Tetrachloroethene	2.28	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Toluene	216	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	trans-1,2-Dichloroethene	1.4	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	trans-1,3-Dichloropropene	0.360	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Trichloroethene	19.5	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Trichlorofluoromethane	0.500	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Vinyl acetate	4.00	UD	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Vinyl chloride	17.1	D	ug/l	
CG-6-31-0100	P002112-05RE1	8260B	Xylenes (total)	164	D	ug/l	
CG-9-6-31-0100	P002112-06	8260B	1,1,1,2-Tetrachloroethane	2.50	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,1,1-Trichloroethane	6.6	D	ug/l	42
CG-9-6-31-0100	P002112-06	8260B	1,1,2,2-Tetrachloroethane	2.69	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,1,2-Trichloroethane	2.50	UD	ug/l	0

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-6-31-0100	P002112-06	8260B	1,1-Dichloroethane	40.7	D	ug/l	28
CG-9-6-31-0100	P002112-06	8260B	1,1-Dichloroethene	1.50	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,2-Dichlorobenzene	0.870	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,2-Dichloroethane	1.90	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,2-Dichloropropane	2.70	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,3-Dichlorobenzene	1.20	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	1,4-Dichlorobenzene	1.80	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	2-Butanone	16.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	2-Hexanone	5.70	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	4-Methyl-2-pentanone	4.80	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Acetone	50.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Benzene	2.7	JD	ug/l	26
CG-9-6-31-0100	P002112-06	8260B	Bromodichloromethane	1.40	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Bromoform	1.60	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Bromomethane	10.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Carbon disulfide	10.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Carbon tetrachloride	2.20	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Chlorobenzene	1.40	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Chloroethane	4.9	JD	ug/l	7
CG-9-6-31-0100	P002112-06	8260B	Chloroform	4.20	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Chloromethane	10.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	cis-1,2-Dichloroethene	89.4	D	ug/l	36
CG-9-6-31-0100	P002112-06	8260B	cis-1,3-Dichloropropene	1.10	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Dibromochloromethane	0.990	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Dibromomethane	1.30	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Dichlorodifluoromethane	10.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Ethylbenzene	377	D	ug/l	59
CG-9-6-31-0100	P002112-06	8260B	Freon 113	10.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Methylene chloride	20.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Naphthalene	20.2	D	ug/l	67
CG-9-6-31-0100	P002112-06	8260B	Styrene	1.50	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Tetrachloroethene	2.70	UD	ug/l	17

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-6-31-0100	P002112-06	8260B	Toluene	97.2	D	ug/l	76
CG-9-6-31-0100	P002112-06	8260B	trans-1,2-Dichloroethene	2.2	JD	ug/l	44
CG-9-6-31-0100	P002112-06	8260B	trans-1,3-Dichloropropene	1.80	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Trichloroethene	16.1	D	ug/l	19
CG-9-6-31-0100	P002112-06	8260B	Trichlorofluoromethane	2.50	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Vinyl acetate	20.0	UD	ug/l	0
CG-9-6-31-0100	P002112-06	8260B	Vinyl chloride	14	D	ug/l	20
CG-9-6-31-0100	P002112-06	8260B	Xylenes (total)	28.1	D	ug/l	141
CG-102-S2-0100	P002115-03	8270C	2,4,5-Trichlorophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2,4,6-Trichlorophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2,4-Dichlorophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2,4-Dinitrophenol	15.0	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2-Chlorophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2-Methylphenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	2-Nitrophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	3-,4-Methylphenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	4,6-Dinitro-2-methylphenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	4-Chloro-3-methylphenol	3.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	Pentachlorophenol	5.00	U	ug/l	
CG-102-S2-0100	P002115-03	8270C	Phenol	3.00	U	ug/l	
CG-9-102-S2-010	P002115-04	8270C	2,4,5-Trichlorophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2,4,6-Trichlorophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2,4-Dichlorophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2,4-Dinitrophenol	15.0	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2-Chlorophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2-Methylphenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	2-Nitrophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	3-,4-Methylphenol	5.00	U	ug/l	0

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S2-010	P002115-04	8270C	4,6-Dinitro-2-methylphenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	4-Chloro-3-methylphenol	3.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	Pentachlorophenol	5.00	U	ug/l	0
CG-9-102-S2-010	P002115-04	8270C	Phenol	3.00	U	ug/l	0
CG-6-31-0100	P002112-05	8270C	2,4,5-Trichlorophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2,4,6-Trichlorophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2,4-Dichlorophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2,4-Dinitrophenol	15.0	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2-Chlorophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2-Methylphenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	2-Nitrophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	3-,4-Methylphenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	4,6-Dinitro-2-methylphenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	4-Chloro-3-methylphenol	3.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-6-31-0100	P002112-05	8270C	Pentachlorophenol	5.00	U	ug/l	
CG-6-31-0100	P002112-05	8270C	Phenol	3.00	U	ug/l	
CG-9-6-31-0100	P002112-06	8270C	2,4,5-Trichlorophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2,4,6-Trichlorophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2,4-Dichlorophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2,4-Dinitrophenol	15.0	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2-Chlorophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2-Methylphenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	2-Nitrophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	3-,4-Methylphenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	4,6-Dinitro-2-methylphenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	4-Chloro-3-methylphenol	3.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	4-Nitrophenol	10.0	U	ug/l	0

2000 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-6-31-0100	P002112-06	8270C	Pentachlorophenol	5.00	U	ug/l	0
CG-9-6-31-0100	P002112-06	8270C	Phenol	3.00	U	ug/l	0
CG-101-SI-0100	P002160-04	GC/FID	Ethane	1.00	U	ug/l	
CG-101-SI-0100	P002160-04	GC/FID	Ethane	1.00	U	ug/l	
CG-101-SI-0100	P002160-04	GC/FID	Methane	1.00	U	ug/l	
CG-9-101-SI-010	P002160-05	GC/FID	Ethane	1.00	U	ug/l	0
CG-9-101-SI-010	P002160-05	GC/FID	Ethane	1.00	U	ug/l	0
CG-9-101-SI-010	P002160-05	GC/FID	Methane	1.00	U	ug/l	0
CG-101-SI-0100	P002160-04	SM3500-Fe	Ferrous Iron	1.00	U	mg/l	
CG-9-101-SI-010	P002160-05	SM3500-Fe	Ferrous Iron	1.00	U	mg/l	0



2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	2320B	Bicarbonate Alkalinity	223		mg/L	
CG-105-I-0500	B0E0304-03	2320B	Carbonate Alkalinity	1.25	U	mg/L	
CG-105-I-0500	B0E0304-03	2320B	Hydroxide Alkalinity	1.25	U	mg/L	
CG-105-I-0500	B0E0304-03	2320B	Total Alkalinity	223		mg/L	
CG-9-105-I-0500	B0E0304-04	2320B	Bicarbonate Alkalinity	224		mg/L	0
CG-9-105-I-0500	B0E0304-04	2320B	Carbonate Alkalinity	1.25	U	mg/L	0
CG-9-105-I-0500	B0E0304-04	2320B	Hydroxide Alkalinity	1.25	U	mg/L	0
CG-9-105-I-0500	B0E0304-04	2320B	Total Alkalinity	224		mg/L	0
CG-105-I-0500	B0E0304-03	300.0	Chloride	52.3	D	mg/l	
CG-105-I-0500	B0E0304-03	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	
CG-105-I-0500	B0E0304-03	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	
CG-105-I-0500	B0E0304-03	300.0	Sulfate	0.0442	U	mg/l	
CG-9-105-I-0500	B0E0304-04	300.0	Chloride	48.9	D	mg/l	7
CG-9-105-I-0500	B0E0304-04	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	0
CG-9-105-I-0500	B0E0304-04	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	0
CG-9-105-I-0500	B0E0304-04	300.0	Sulfate	0.0442	U	mg/l	0
CG-1-S1-0500	B0E0474-01	335.2	Cyanide (total)	0.0074	J	mg/l	
CG-9-1-S1-0500	B0E0474-02	335.2	Cyanide (total)	0.0074	J	mg/l	0
CG-105-I-0500	B0E0304-03	335.2	Cyanide (total)	0.00444	U	mg/l	
CG-9-105-I-0500	B0E0304-04	335.2	Cyanide (total)	0.00444	U	mg/l	0
CG-105-I-0500	B0E0304-03	3500-Fe D	Ferrous Iron	0.106	J	mg/l	
CG-9-105-I-0500	B0E0304-04	3500-Fe D	Ferrous Iron	0.164	J	mg/l	43
CG-105-I-0500	B0E0304-03	376.1	Sulfide	5.28		mg/l	
CG-9-105-I-0500	B0E0304-04	376.1	Sulfide	4	JB	mg/l	
CG-105-I-0500	B0E0304-03	415.1	Total Organic Carbon	52.6	D	mg/l	
CG-9-105-I-0500	B0E0304-04	415.1	Total Organic Carbon	52.8	D	mg/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	4500-CO2 C	Carbon dioxide	23.9		mg/l	
CG-9-105-I-0500	B0E0304-04	4500-CO2 C	Carbon dioxide	24.6		mg/l	3
CG-105-I-0500	B0E0304-03RE1	6010B	Ferric Iron	2.33		mg/l	
CG-9-105-I-0500	B0E0304-04RE1	6010B	Ferric Iron	2.14		mg/l	9
CG-105-I-0500	B0E0304-03RE1	6010B	Iron	2.44		mg/l	
CG-9-105-I-0500	B0E0304-04RE1	6010B	Iron	2.3		mg/l	6
CG-1-S1-0500	B0E0474-01	6020	Arsenic	0.00332		mg/l	
CG-1-S1-0500	B0E0474-01	6020	Lead	0.0011		mg/l	
CG-9-1-S1-0500	B0E0474-02	6020	Arsenic	0.00343		mg/l	103
CG-9-1-S1-0500	B0E0474-02	6020	Lead	0.00113		mg/l	101
CG-105-I-0500	B0E0304-03	6020	Arsenic	0.000937	J	mg/l	
CG-105-I-0500	B0E0304-03	6020	Lead	0.000904	J	mg/l	
CG-105-I-0500	B0E0304-03	6020	Manganese	0.051		mg/l	
CG-105-I-0500	B0E0304-03	6020	Manganese	0.053		mg/l	
CG-9-105-I-0500	B0E0304-04	6020	Arsenic	0.001		mg/l	7
CG-9-105-I-0500	B0E0304-04	6020	Lead	0.000994	J	mg/l	9
CG-9-105-I-0500	B0E0304-04	6020	Manganese	0.0547		mg/l	7
CG-9-105-I-0500	B0E0304-04	6020	Manganese	0.0548		mg/l	3
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1016	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1221	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1232	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1242	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1248	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1254	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1260	0.0305	U	ug/l	
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1262	0.0305	U	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8082	Aroclor 1268	0.0305	U	ug/l	
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1016	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1221	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1232	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1242	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1248	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1254	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1260	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1262	0.0305	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8082	Aroclor 1268	0.0305	U	ug/l	0
CG-105-1-0500	B0E0304-03	8082	Aroclor 1016	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1221	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1232	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1242	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1248	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1254	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1260	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1262	0.0305	U	ug/l	
CG-105-1-0500	B0E0304-03	8082	Aroclor 1268	0.0305	U	ug/l	
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1016	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1221	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1232	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1242	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1248	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1254	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1260	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1262	0.0305	U	ug/l	0
CG-9-105-1-0500	B0E0304-04	8082	Aroclor 1268	0.0305	U	ug/l	0
CG-1-S1-0500	B0E0474-01	8260B	1,1,1,2-Tetrachloroethane	0.200	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,1,1-Trichloroethane	812	D	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8260B	1,1,2,2-Tetrachloroethane	0.410	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,1,2-Trichloroethane	0.190	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,1-Dichloroethane	426	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,1-Dichloroethene	9.96		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,1-Dichloropropene	0.160	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2,3-Trichlorobenzene	0.230	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2,3-Trichloropropane	0.420	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2,4-Trichlorobenzene	0.180	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2,4-Trimethylbenzene	446	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2-Dibromo-3-chloropropane	0.350	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2-Dibromoethane	0.160	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2-Dichlorobenzene	11.1		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2-Dichloroethane	39		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,2-Dichloropropane	0.180	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,3,5-Trimethylbenzene	736	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,3-Dichlorobenzene	0.160	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,3-Dichloropropane	0.190	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	2,2-Dichloropropane	0.190	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	2-Butanone	3.40	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	2-Chlorotoluene	0.220	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	2-Hexanone	2.83	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	4-Chlorotoluene	0.170	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	4-Methyl-2-pentanone	28.8		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Acetone	5.59	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Benzene	7.99		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Bromobenzene	0.110	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Bromochloromethane	0.120	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Bromodichloromethane	0.0900	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Bromoform	0.210	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Bromomethane	0.370	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Carbon disulfide	0.170	U	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8260B	Carbon tetrachloride	0.100	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Chlorobenzene	0.0700	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Chloroethane	8.6		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Chloroform	3.43		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Chloromethane	2.35	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	cis-1,2-Dichloroethene	1100	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	cis-1,3-Dichloropropene	0.160	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Dibromochloromethane	0.0900	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Dibromomethane	0.240	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Dichlorodifluoromethane	0.260	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Ethylbenzene	1320	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Hexachlorobutadiene	0.180	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Isopropylbenzene	54.2		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	m,p-Xylene	3950	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Methylene chloride	6.78		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	n-Butylbenzene	0.0800	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	n-Propylbenzene	96.2		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Naphthalene	26.1		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	o-Xylene	1010	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	p-Isopropyltoluene	31.1		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	sec-Butylbenzene	11.5		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Styrene	0.140	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	tert-Butylbenzene	0.100	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Tetrachloroethene	2.07		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Toluene	14200	D	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	trans-1,2-Dichloroethene	8.19		ug/l	
CG-1-S1-0500	B0E0474-01	8260B	trans-1,3-Dichloropropene	0.0700	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Trichloroethene	0.140	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Trichlorofluoromethane	0.170	U	ug/l	
CG-1-S1-0500	B0E0474-01	8260B	Vinyl chloride	31.5		ug/l	
CG-9-1-S1-0500	B0E0474-02	8260B	1,1,1,2-Tetrachloroethane	4.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,1,1-Trichloroethane	690	D	ug/l	35



2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0500	B0E0474-02	8260B	1,1,2,2-Tetrachloroethane	8.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,1,2-Trichloroethane	3.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,1-Dichloroethane	305	D	ug/l	79
CG-9-1-S1-0500	B0E0474-02	8260B	1,1-Dichloroethane	4.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,1-Dichloropropene	3.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2,3-Trichlorobenzene	4.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2,3-Trichloropropane	8.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2,4-Trichlorobenzene	3.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2,4-Trimethylbenzene	393	D	ug/l	24
CG-9-1-S1-0500	B0E0474-02	8260B	1,2-Dibromo-3-chloropropane	7.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2-Dibromoethane	3.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2-Dichlorobenzene	2.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,2-Dichloroethane	36.8	D	ug/l	4
CG-9-1-S1-0500	B0E0474-02	8260B	1,2-Dichloropropane	3.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,3,5-Trimethylbenzene	646	D	ug/l	13
CG-9-1-S1-0500	B0E0474-02	8260B	1,3-Dichlorobenzene	3.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,3-Dichloropropane	3.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	1,4-Dichlorobenzene	2.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	2,2-Dichloropropane	3.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	2-Butanone	68.0	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	2-Chlorotoluene	4.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	2-Hexanone	56.6	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	4-Chlorotoluene	3.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	4-Methyl-2-pentanone	75.6	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Acetone	112	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Benzene	1.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Bromobenzene	2.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Bromochloromethane	2.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Bromodichloromethane	1.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Bromoform	4.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Bromomethane	7.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Carbon disulfide	3.40	UD	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0500	B0E0474-02	8260B	Carbon tetrachloride	2.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Chlorobenzene	1.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Chloroethane	6.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Chloroform	4.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Chloromethane	47.0	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	cis-1,2-Dichloroethene	958	D	ug/l	29
CG-9-1-S1-0500	B0E0474-02	8260B	cis-1,3-Dichloropropene	3.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Dibromochloromethane	1.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Dibromomethane	4.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Dichlorodifluoromethane	5.20	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Ethylbenzene	1010	D	ug/l	61
CG-9-1-S1-0500	B0E0474-02	8260B	Hexachlorobutadiene	3.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Isopropylbenzene	40.1	D	ug/l	70
CG-9-1-S1-0500	B0E0474-02	8260B	m,p-Xylene	2860	D	ug/l	76
CG-9-1-S1-0500	B0E0474-02	8260B	Methylene chloride	66.9	JDB	ug/l	179
CG-9-1-S1-0500	B0E0474-02	8260B	n-Butylbenzene	1.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	n-Propylbenzene	80.8	D	ug/l	37
CG-9-1-S1-0500	B0E0474-02	8260B	Naphthalene	20.4	D	ug/l	55
CG-9-1-S1-0500	B0E0474-02	8260B	o-Xylene	787	D	ug/l	56
CG-9-1-S1-0500	B0E0474-02	8260B	p-Isopropyltoluene	23.9	D	ug/l	60
CG-9-1-S1-0500	B0E0474-02	8260B	sec-Butylbenzene	348	D	ug/l	191
CG-9-1-S1-0500	B0E0474-02	8260B	Styrene	2.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	tert-Butylbenzene	2.00	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Tetrachloroethene	5.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Toluene	11100	D	ug/l	56
CG-9-1-S1-0500	B0E0474-02	8260B	trans-1,2-Dichloroethene	4.60	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	trans-1,3-Dichloropropene	1.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Trichloroethene	2.80	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Trichlorofluoromethane	3.40	UD	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8260B	Vinyl chloride	5.20	UD	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	8260B	1,1,1,2-Tetrachloroethane	0.200	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1,1-Trichloroethane	22.1		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1,2,2-Tetrachloroethane	0.410	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1,2-Trichloroethane	0.190	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1-Dichloroethane	303		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1-Dichloroethene	196		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,1-Dichloropropene	0.160	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2,3-Trichlorobenzene	0.230	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2,3-Trichloropropane	0.420	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2,4-Trichlorobenzene	1.29		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2,4-Trimethylbenzene	7.33		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2-Dibromo-3-chloropropane	0.350	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2-Dibromoethane	0.160	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2-Dichlorobenzene	0.110	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2-Dichloroethane	0.120	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,2-Dichloropropane	0.180	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,3,5-Trimethylbenzene	12.6		ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,3-Dichlorobenzene	0.160	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,3-Dichloropropane	0.190	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	2,2-Dichloropropane	0.190	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	2-Butanone	3.40	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	2-Chlorotoluene	0.220	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	2-Hexanone	2.83	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	4-Chlorotoluene	0.170	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	4-Methyl-2-pentanone	3.78	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Acetone	5.59	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Benzene	31.5		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Bromobenzene	0.110	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Bromochloromethane	0.120	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Bromodichloromethane	0.0900	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Bromoform	0.210	U	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	8260B	Bromomethane	0.370	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Carbon disulfide	1.8		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Carbon tetrachloride	0.100	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Chlorobenzene	18.4		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Chloroethane	0.300	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Chloroform	0.210	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Chloromethane	2.35	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	cis-1,2-Dichloroethene	9530		ug/l	
CG-105-I-0500	B0E0304-03	8260B	cis-1,3-Dichloropropene	0.160	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Dibromochloromethane	0.0900	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Dibromomethane	0.240	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Dichlorodifluoromethane	0.260	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Ethylbenzene	44.2		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Hexachlorobutadiene	0.180	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Isopropylbenzene	1.37		ug/l	
CG-105-I-0500	B0E0304-03	8260B	m,p-Xylene	102		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Methylene chloride	2.63	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	n-Butylbenzene	0.0800	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	n-Propylbenzene	1.76		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Naphthalene	0.300	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	o-Xylene	36.1		ug/l	
CG-105-I-0500	B0E0304-03	8260B	p-Isopropyltoluene	0.140	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	sec-Butylbenzene	0.130	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Styrene	0.140	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	tert-Butylbenzene	0.100	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Tetrachloroethene	58.7		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Toluene	454		ug/l	
CG-105-I-0500	B0E0304-03	8260B	trans-1,2-Dichloroethene	3190		ug/l	
CG-105-I-0500	B0E0304-03	8260B	trans-1,3-Dichloropropene	0.0700	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Trichloroethene	3110		ug/l	
CG-105-I-0500	B0E0304-03	8260B	Trichlorofluoromethane	0.170	U	ug/l	
CG-105-I-0500	B0E0304-03	8260B	Vinyl chloride	721		ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0500	B0E0304-04	8260B	1,1,1,2-Tetrachloroethane	0.200	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,1,1-Trichloroethane	0.160	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,1,2,2-Tetrachloroethane	0.410	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,1,2-Trichloroethane	0.190	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,1-Dichloroethane	263		ug/l	14
CG-9-105-I-0500	B0E0304-04	8260B	1,1-Dichloroethene	172		ug/l	13
CG-9-105-I-0500	B0E0304-04	8260B	1,1-Dichloropropene	0.160	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2,3-Trichlorobenzene	0.230	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2,3-Trichloropropane	0.420	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2,4-Trichlorobenzene	1.2		ug/l	7
CG-9-105-I-0500	B0E0304-04	8260B	1,2,4-Trimethylbenzene	6.9		ug/l	6
CG-9-105-I-0500	B0E0304-04	8260B	1,2-Dibromo-3-chloropropane	0.350	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2-Dibromoethane	0.160	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2-Dichlorobenzene	0.110	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2-Dichloroethane	0.120	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,2-Dichloropropane	0.180	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,3,5-Trimethylbenzene	12.2		ug/l	3
CG-9-105-I-0500	B0E0304-04	8260B	1,3-Dichlorobenzene	0.160	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,3-Dichloropropane	0.190	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	2,2-Dichloropropane	0.190	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	2-Butanone	3.40	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	2-Chlorotoluene	0.220	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	2-Hexanone	2.83	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	4-Chlorotoluene	0.170	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	4-Methyl-2-pentanone	3.78	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Acetone	5.59	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Benzene	31.2		ug/l	1
CG-9-105-I-0500	B0E0304-04	8260B	Bromobenzene	0.110	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Bromochloromethane	0.120	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Bromodichloromethane	0.0900	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Bromoform	0.210	U	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0500	B0E0304-04	8260B	Bromomethane	0.370	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Carbon disulfide	2.19		ug/l	20
CG-9-105-I-0500	B0E0304-04	8260B	Carbon tetrachloride	0.100	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Chlorobenzene	18.2		ug/l	1
CG-9-105-I-0500	B0E0304-04	8260B	Chloroethane	0.300	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Chloroform	0.210	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Chloromethane	2.35	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	cis-1,2-Dichloroethene	8490		ug/l	12
CG-9-105-I-0500	B0E0304-04	8260B	cis-1,3-Dichloropropene	0.160	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Dibromochloromethane	0.0900	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Dibromomethane	0.240	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Dichlorodifluoromethane	0.260	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Ethylbenzene	43.4		ug/l	2
CG-9-105-I-0500	B0E0304-04	8260B	Hexachlorobutadiene	0.180	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Isopropylbenzene	1.33		ug/l	3
CG-9-105-I-0500	B0E0304-04	8260B	m,p-Xylene	99.8		ug/l	2
CG-9-105-I-0500	B0E0304-04	8260B	Methylene chloride	2.63	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	n-Butylbenzene	0.0800	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	n-Propylbenzene	1.68		ug/l	5
CG-9-105-I-0500	B0E0304-04	8260B	Naphthalene	0.300	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	o-Xylene	35.7		ug/l	1
CG-9-105-I-0500	B0E0304-04	8260B	p-Isopropyltoluene	0.140	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	sec-Butylbenzene	0.130	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Styrene	0.140	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	tert-Butylbenzene	0.100	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Tetrachloroethene	58.6		ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Toluene	460		ug/l	1
CG-9-105-I-0500	B0E0304-04	8260B	trans-1,2-Dichloroethene	2820		ug/l	12
CG-9-105-I-0500	B0E0304-04	8260B	trans-1,3-Dichloropropene	0.0700	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Trichloroethene	3410		ug/l	9
CG-9-105-I-0500	B0E0304-04	8260B	Trichlorofluoromethane	0.170	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8260B	Vinyl chloride	644		ug/l	11



2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03RE1	8260B	1,1,1,2-Tetrachloroethane	200	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1,1-Trichloroethane	160	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1,2,2-Tetrachloroethane	410	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1,2-Trichloroethane	190	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1-Dichloroethane	220	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1-Dichloroethene	210	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,1-Dichloropropene	160	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2,3-Trichlorobenzene	230	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2,3-Trichloropropane	420	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2,4-Trichlorobenzene	180	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2,4-Trimethylbenzene	370	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2-Dibromo-3-chloropropane	350	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2-Dibromoethane	160	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2-Dichlorobenzene	110	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2-Dichloroethane	120	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,2-Dichloropropane	180	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,3,5-Trimethylbenzene	140	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,3-Dichlorobenzene	160	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,3-Dichloropropane	190	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	1,4-Dichlorobenzene	100	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	2,2-Dichloropropane	190	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	2-Butanone	3400	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	2-Chlorotoluene	220	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	2-Hexanone	2830	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	4-Chlorotoluene	170	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	4-Methyl-2-pentanone	3780	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Acetone	5590	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Benzene	90.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Bromobenzene	110	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Bromochloromethane	120	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Bromodichloromethane	90.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Bromoform	210	UD	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03RE1	8260B	Bromomethane	37.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Carbon disulfide	170	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Carbon tetrachloride	100	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Chlorobenzene	70.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Chloroethane	300	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Chloroform	210	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Chloromethane	2350	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	cis-1,2-Dichloroethene	58300	D	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	cis-1,3-Dichloropropene	160	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Dibromochloromethane	90.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Dibromomethane	240	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Dichlorodifluoromethane	260	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Ethylbenzene	120	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Hexachlorobutadiene	180	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Isopropylbenzene	80.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	m,p-Xylene	720	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Methylene chloride	10300	D	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	n-Butylbenzene	80.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	n-Propylbenzene	100	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Naphthalene	300	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	o-Xylene	290	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	p-Isopropyltoluene	140	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	sec-Butylbenzene	130	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Styrene	140	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	tert-Butylbenzene	100	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Tetrachloroethene	280	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Toluene	180	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	trans-1,2-Dichloroethene	5970	D	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	trans-1,3-Dichloropropene	70.0	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Trichloroethene	96600	D	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Trichlorofluoromethane	170	UD	ug/l	
CG-105-I-0500	B0E0304-03RE1	8260B	Vinyl chloride	260	UD	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1,1,2-Tetrachloroethane	200	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1,1-Trichloroethane	160	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1,2,2-Tetrachloroethane	410	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1,2-Trichloroethane	190	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1-Dichloroethane	220	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1-Dichloroethene	210	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,1-Dichloropropene	160	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2,3-Trichlorobenzene	230	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2,3-Trichloropropane	420	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2,4-Trichlorobenzene	180	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2,4-Trimethylbenzene	370	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2-Dibromo-3-chloropropane	350	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2-Dibromoethane	160	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2-Dichlorobenzene	110	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2-Dichloroethane	120	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,2-Dichloropropane	180	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,3,5-Trimethylbenzene	140	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,3-Dichlorobenzene	160	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,3-Dichloropropane	190	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	1,4-Dichlorobenzene	100	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	2,2-Dichloropropane	190	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	2-Butanone	3400	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	2-Chlorotoluene	220	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	2-Hexanone	2830	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	4-Chlorotoluene	170	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	4-Methyl-2-pentanone	3780	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Acetone	5590	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Benzene	90.0	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Bromobenzene	110	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Bromochloromethane	120	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Bromodichloromethane	90.0	UD	ug/l	0
CG-9-105-I-0500	B0E0304-04RE1	8260B	Bromoform	210	UD	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-0500	B0E0304-04RE1	8260B	Bromomethane	370	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Carbon disulfide	170	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Carbon tetrachloride	100	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Chlorobenzene	70.0	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Chloroethane	300	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Chloroform	210	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Chloromethane	2350	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	cis-1,2-Dichloroethene	53300	D	ug/l	9
CG-9-105-1-0500	B0E0304-04RE1	8260B	cis-1,3-Dichloropropene	160	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Dibromochloromethane	90.0	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Dibromomethane	240	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Dichlorodifluoromethane	260	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Ethylbenzene	120	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Hexachlorobutadiene	180	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Isopropylbenzene	80.0	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	m,p-Xylene	720	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Methylene chloride	10200	D	ug/l	1
CG-9-105-1-0500	B0E0304-04RE1	8260B	n-Butylbenzene	80.0	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	n-Propylbenzene	100	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Naphthalene	300	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	o-Xylene	290	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	p-Isopropyltoluene	140	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	sec-Butylbenzene	130	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Styrene	140	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	tert-Butylbenzene	100	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Tetrachloroethene	280	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Toluene	180	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	trans-1,2-Dichloroethene	5950	D	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	trans-1,3-Dichloropropene	70.0	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Trichloroethene	95000	D	ug/l	2
CG-9-105-1-0500	B0E0304-04RE1	8260B	Trichlorofluoromethane	170	UD	ug/l	0
CG-9-105-1-0500	B0E0304-04RE1	8260B	Vinyl chloride	260	UD	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8270C	1,2,4-Trichlorobenzene	1.49	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	1,2-Dichlorobenzene	6.14	J	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	1,3-Dichlorobenzene	1.37	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	1,4-Dichlorobenzene	1.23	J	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4,5-Trichlorophenol	1.40	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4,6-Trichlorophenol	1.27	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4-Dichlorophenol	1.19	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4-Dimethylphenol	12.5		ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4-Dinitrophenol	6.99	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Chloronaphthalene	1.02	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Chlorophenol	1.48	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Methylnaphthalene	2.89	J	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Methylphenol	34.3		ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Nitroaniline	4.05	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	2-Nitrophenol	2.18	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	3 & 4-Methylphenol	25.3		ug/l	
CG-1-S1-0500	B0E0474-01	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	3-Nitroaniline	0.790	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Chloroaniline	1.88	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Nitroaniline	1.32	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	4-Nitrophenol	2.43	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Acenaphthene	1.09	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Acenaphthylene	1.16	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Aniline	1.88	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Anthracene	1.34	U	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8270C	Benzo (a) anthracene	0.650	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzo (a) pyrene	4.95	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzo (ghi) perylene	2.50	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzoic Acid	2.50	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Benzyl alcohol	5.67	J	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Butyl benzyl phthalate	0.650	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Carbazole	4.38	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Chrysene	1.03	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Di-n-butyl phthalate	1.26	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Di-n-octyl phthalate	1.74	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Dibenzofuran	1.21	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Diethyl phthalate	0.970	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Dimethyl phthalate	1.27	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Fluoranthene	0.990	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Fluorene	1.24	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Hexachlorobenzene	1.42	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Hexachlorobutadiene	1.49	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Hexachloroethane	1.15	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Isophorone	1.64	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Naphthalene	13.1		ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Nitrobenzene	1.54	U	ug/l	



2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0500	B0E0474-01	8270C	Pentachlorophenol	1.77	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Phenanthrene	1.25	U	ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Phenol	18.8		ug/l	
CG-1-S1-0500	B0E0474-01	8270C	Pyrene	1.21	U	ug/l	
CG-9-1-S1-0500	B0E0474-02	8270C	1,2,4-Trichlorobenzene	1.49	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	1,2-Dichlorobenzene	4.9	J	ug/l	22
CG-9-1-S1-0500	B0E0474-02	8270C	1,3-Dichlorobenzene	1.37	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	1,4-Dichlorobenzene	1.05	U	ug/l	16
CG-9-1-S1-0500	B0E0474-02	8270C	2,4,5-Trichlorophenol	1.40	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2,4,6-Trichlorophenol	1.27	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2,4-Dichlorophenol	1.19	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2,4-Dimethylphenol	4.01	J	ug/l	103
CG-9-1-S1-0500	B0E0474-02	8270C	2,4-Dinitrophenol	6.99	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2-Chloronaphthalene	1.02	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2-Chlorophenol	1.48	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2-Methylnaphthalene	1.42	J	ug/l	68
CG-9-1-S1-0500	B0E0474-02	8270C	2-Methylphenol	40.3		ug/l	16
CG-9-1-S1-0500	B0E0474-02	8270C	2-Nitroaniline	4.05	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	2-Nitrophenol	2.18	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	3 & 4-Methylphenol	27		ug/l	-7
CG-9-1-S1-0500	B0E0474-02	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	3-Nitroaniline	0.790	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Chloroaniline	1.88	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Nitroaniline	1.32	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	4-Nitrophenol	2.43	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Acenaphthene	1.09	U	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0500	B0E0474-02	8270C	Acenaphthylene	1.16	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Aniline	1.88	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Anthracene	1.34	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzo (a) anthracene	0.650	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzo (a) pyrene	4.95	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzo (ghi) perylene	2.50	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzoic Acid	2.50	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Benzyl alcohol	6.67	J	ug/l	16
CG-9-1-S1-0500	B0E0474-02	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Butyl benzyl phthalate	0.650	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Carbazole	4.38	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Chrysene	1.03	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Di-n-butyl phthalate	1.26	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Di-n-octyl phthalate	1.74	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Dibenzofuran	1.21	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Diethyl phthalate	0.970	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Dimethyl phthalate	1.27	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Fluoranthene	0.990	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Fluorene	1.24	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Hexachlorobenzene	1.42	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Hexachlorobutadiene	1.49	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Hexachloroethane	1.15	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Isophorone	1.64	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	0

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0500	B0E0474-02	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Naphthalene	8.85	J	ug/l	39
CG-9-1-S1-0500	B0E0474-02	8270C	Nitrobenzene	1.54	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Pentachlorophenol	1.77	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Phenanthrene	1.25	U	ug/l	0
CG-9-1-S1-0500	B0E0474-02	8270C	Phenol	18.4	U	ug/l	2
CG-9-1-S1-0500	B0E0474-02	8270C	Pyrene	1.21	U	ug/l	0
CG-105-1-0500	B0E0304-03	8270C	1,2,4-Trichlorobenzene	1.53	J	ug/l	
CG-105-1-0500	B0E0304-03	8270C	1,2-Dichlorobenzene	2.04	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	1,3-Dichlorobenzene	1.37	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	1,4-Dichlorobenzene	1.05	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4,5-Trichlorophenol	1.40	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4,6-Trichlorophenol	1.27	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4-Dichlorophenol	1.19	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4-Dimethylphenol	3.75	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4-Dinitrophenol	6.99	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Chloronaphthalene	1.02	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Chlorophenol	1.48	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Methylnaphthalene	1.41	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Methylphenol	0.900	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Nitroaniline	4.05	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	2-Nitrophenol	2.18	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	3 & 4-Methylphenol	1.65	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	3-Nitroaniline	0.790	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	
CG-105-1-0500	B0E0304-03	8270C	4-Chloroaniline	1.88	U	ug/l	

2000 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	4-Nitroaniline	1.32	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	4-Nitrophenol	2.43	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Acenaphthene	1.09	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Acenaphthylene	1.16	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Aniline	1.88	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Anthracene	1.34	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzo (a) anthracene	0.650	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzo (a) pyrene	4.95	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzo (ghi) perylene	2.50	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzoic Acid	11.6	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Benzyl alcohol	1.99	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Butyl benzyl phthalate	0.650	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Carbazole	4.38	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Chrysene	1.03	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Di-n-butyl phthalate	1.26	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Di-n-octyl phthalate	1.74	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Dibenzofuran	1.21	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Diethyl phthalate	0.970	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Dimethyl phthalate	1.27	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Fluoranthene	0.990	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Fluorene	1.24	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Hexachlorobenzene	1.42	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Hexachlorobutadiene	1.49	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	

CG-100 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0500	B0E0304-03	8270C	Hexachloroethane	1.15	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Isophorone	1.64	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Naphthalene	1.56	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Nitrobenzene	1.54	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Pentachlorophenol	1.77	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Phenanthrene	1.25	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Phenol	1.33	U	ug/l	
CG-105-I-0500	B0E0304-03	8270C	Pyrene	1.21	U	ug/l	
CG-9-105-I-0500	B0E0304-04	8270C	1,2,4-Trichlorobenzene	2.04	U	ug/l	200
CG-9-105-I-0500	B0E0304-04	8270C	1,2-Dichlorobenzene	1.37	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	1,3-Dichlorobenzene	1.05	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	1,4-Dichlorobenzene	1.40	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,4,5-Trichlorophenol	1.27	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,4,6-Trichlorophenol	1.19	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,4-Dimethylphenol	3.75	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,4-Dinitrophenol	6.99	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Chloronaphthalene	1.02	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Chlorophenol	1.48	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Methylnaphthalene	1.41	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Methylphenol	0.900	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Nitroaniline	4.05	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	2-Nitrophenol	2.18	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	3 & 4-Methylphenol	1.65	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	3-Nitroaniline	0.790	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	0

CG00 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0500	B0E0304-04	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4-Chloroaniline	1.88	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4-Nitroaniline	1.32	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	4-Nitrophenol	2.43	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Acenaphthene	1.09	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Acenaphthylene	1.16	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Aniline	1.88	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Anthracene	1.34	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzo (a) anthracene	0.650	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzo (a) pyrene	4.95	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzo (ghi) perylene	2.50	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Benzoic Acid	11.5	U	ug/l	1
CG-9-105-I-0500	B0E0304-04	8270C	Benzyl alcohol	1.99	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Butyl benzyl phthalate	0.650	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Carbazole	4.38	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Chrysene	1.03	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Di-n-butyl phthalate	1.26	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Di-n-octyl phthalate	1.74	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Dibenzofuran	1.21	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Diethyl phthalate	0.970	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Dimethyl phthalate	1.27	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Fluoranthene	0.990	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Fluorene	1.24	U	ug/l	0



CG-100 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0500	B0E0304-04	8270C	Hexachlorobenzene	1.42	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Hexachlorobutadiene	1.49	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Hexachloroethane	1.15	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Isophorone	1.64	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Naphthalene	1.56	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Nitrobenzene	1.54	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Pentachlorophenol	1.77	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Phenanthrene	1.25	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Phenol	1.33	U	ug/l	0
CG-9-105-I-0500	B0E0304-04	8270C	Pyrene	1.21	U	ug/l	0
CG-1-S1-0500	B0E0474-01	NWTPH-Dx	Diesel Range Hydrocarbons	2.12		mg/l	
CG-1-S1-0500	B0E0474-01	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.123	J	mg/l	
CG-9-1-S1-0500	B0E0474-02	NWTPH-Dx	Diesel Range Hydrocarbons	2.08		mg/l	2
CG-9-1-S1-0500	B0E0474-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.119	J	mg/l	3
CG-105-I-0500	B0E0304-03	NWTPH-Dx	Diesel Range Hydrocarbons	0.266		mg/l	
CG-105-I-0500	B0E0304-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.13	J	mg/l	
CG-9-105-I-0500	B0E0304-04	NWTPH-Dx	Diesel Range Hydrocarbons	0.236	JB	mg/l	12
CG-9-105-I-0500	B0E0304-04	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.114	J	mg/l	13
CG-1-S1-0500	0E28007-DUP1	NWTPH-Gx	Gasoline Range Hydrocarbons	38300	D	ug/l	
CG-1-S1-0500	B0E0474-01	NWTPH-Gx	Gasoline Range Hydrocarbons	36600	D	ug/l	5
CG-105-I-0500	B0E0304-03	NWTPH-Gx	Gasoline Range Hydrocarbons	17500	UD	ug/l	
CG-9-105-I-0500	B0E0304-04	NWTPH-Gx	Gasoline Range Hydrocarbons	17500	UD	ug/l	0

2006 4th quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	300.0	Chloride	48.1	DB	mg/l	
CG-105-I-0800	B0H0391-02	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	
CG-105-I-0800	B0H0391-02	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	
CG-105-I-0800	B0H0391-02	300.0	Sulfate	1.18		mg/l	
CG-9-105-I-0800	B0H0391-03	300.0	Chloride	50.5	DB	mg/l	5
CG-9-105-I-0800	B0H0391-03	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	0
CG-9-105-I-0800	B0H0391-03	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	0
CG-9-105-I-0800	B0H0391-03	300.0	Sulfate	0.936		mg/l	23
CG-105-I-0800	B0H0391-02	310.1	Total Alkalinity	223		mg/L	
CG-9-105-I-0800	B0H0391-03	310.1	Total Alkalinity	229		mg/L	-3
CG-105-I-0800	B0H0391-02	335.2	Cyanide (total)	0.00444	U	mg/l	
CG-9-105-I-0800	B0H0391-03	335.2	Cyanide (total)	0.00444	U	mg/l	0
CG-1-S1-0800	B0H0230-02	335.2	Cyanide (total)	0.00444	U	mg/l	
CG-9-1-S1-0800	B0H0230-03	335.2	Cyanide (total)	0.00444	U	mg/l	0
CG-105-I-0800	B0H0391-02	376.1	Sulfide	4.8	J	mg/l	
CG-9-105-I-0800	B0H0391-03	376.1	Sulfide	13.2		mg/l	93
CG-105-I-0800	B0H0391-02	415.1	Total Organic Carbon	26.8	DB	mg/l	
CG-9-105-I-0800	B0H0391-03	415.1	Total Organic Carbon	32.7	DB	mg/l	20
CG-105-I-0800	B0H0391-02	4500-CO2 C	Carbon dioxide	22.9		mg/l	
CG-9-105-I-0800	B0H0391-03	4500-CO2 C	Carbon dioxide	25.1		mg/l	9
CG-105-I-0800	B0H0391-02	3500-Fe D	Ferrous Iron	0.711		mg/l	
CG-9-105-I-0800	B0H0391-03	3500-Fe D	Ferrous Iron	0.691		mg/l	3
CG-105-I-0800	B0H0391-02	6010B	Ferric Iron	1.49		mg/l	
CG-9-105-I-0800	B0H0391-03	6010B	Ferric Iron	1.69		mg/l	13

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	GC/FID	Ethane	10.0	U	ug/l	
CG-105-I-0800	B0H0391-02	GC/FID	Ethene	48.6	J	ug/l	
CG-105-I-0800	B0H0391-02	GC/FID	Methane	16300		ug/l	
CG-9-105-I-0800	B0H0391-03	GC/FID	Ethane	50.0	U	ug/l	--
CG-9-105-I-0800	B0H0391-03	GC/FID	Ethene	50.0	U	ug/l	--
CG-9-105-I-0800	B0H0391-03	GC/FID	Methane	18100		ug/l	10
CG-105-I-0800	B0H0391-02	6010B	Iron	2.2		mg/l	
CG-9-105-I-0800	B0H0391-03	6010B	Iron	2.38		mg/l	8
CG-105-I-0800	B0H0391-02	6020	Manganese	0.0546		mg/l	
CG-9-105-I-0800	B0H0391-03	6020	Manganese	0.0578		mg/l	6
CG-105-I-0800	B0H0391-02	6020	Manganese	0.0576		mg/l	
CG-9-105-I-0800	B0H0391-03	6020	Manganese	0.058		mg/l	1
CG-1-S1-0800	B0H0230-02	NWTPH-Gx	Gasoline Range Hydrocarbons	90800	D	ug/l	
CG-9-1-S1-0800	B0H0230-03	NWTPH-Gx	Gasoline Range Hydrocarbons	88000	D	ug/l	3
CG-105-I-0800	B0H0391-02	NWTPH-Gx	Gasoline Range Hydrocarbons	31900		ug/l	
CG-9-105-I-0800	B0H0391-03	NWTPH-Gx	Gasoline Range Hydrocarbons	39200	DBB	ug/l	21
CG-1-S1-0800	B0H0230-02	NWTPH-Dx	Diesel Range Hydrocarbons	2.14		mg/l	
CG-1-S1-0800	B0H0230-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.162	J	mg/l	
CG-9-1-S1-0800	B0H0230-03	NWTPH-Dx	Diesel Range Hydrocarbons	1.93		mg/l	10
CG-9-1-S1-0800	B0H0230-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.205		mg/l	23
CG-105-I-0800	B0H0391-02	NWTPH-Dx	Diesel Range Hydrocarbons	0.123	JB	mg/l	
CG-105-I-0800	B0H0391-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0920	U	mg/l	
CG-9-105-I-0800	B0H0391-03	NWTPH-Dx	Diesel Range Hydrocarbons	0.133	JB	mg/l	8

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0800	B0H0391-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0920	U	mg/l	0
CG-1-S1-0800	B0H0230-02	8260B	1,1,1,2-Tetrachloroethane	0.192	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1,1-Trichloroethane	1320		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1,2,2-Tetrachloroethane	0.367	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1,2-Trichloroethane	0.209	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1-Dichloroethane	757		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1-Dichloroethene	22		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,1-Dichloropropene	0.0864	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2,3-Trichlorobenzene	0.147	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2,3-Trichloropropane	0.127	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2,4-Trichlorobenzene	0.150	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2,4-Trimethylbenzene	428		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2-Dibromo-3-chloropropane	0.222	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2-Dibromoethane	0.210	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2-Dichlorobenzene	18.3		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2-Dichloroethane	12.9		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,2-Dichloropropane	0.232	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,3,5-Trimethylbenzene	176		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,3-Dichlorobenzene	0.412	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,3-Dichloropropane	0.249	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	1,4-Dichlorobenzene	3.26		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	2,2-Dichloropropane	0.0392	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	2-Butanone	1.95	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	2-Chlorotoluene	0.226	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	2-Hexanone	0.970	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	4-Chlorotoluene	0.244	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	4-Methyl-2-pentanone	94.8		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Acetone	2.90	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Benzene	4.21		ug/l	

2000 third quarter field duplicate sample results:

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02	8260B	Bromobenzene	0.386	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Bromochloromethane	0.0968	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Bromodichloromethane	0.117	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Bromoform	0.106	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Bromomethane	0.249	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Carbon disulfide	0.464	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Carbon tetrachloride	0.191	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Chlorobenzene	8.39		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Chloroethane	20.2		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Chloroform	0.494	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Chloromethane	0.154	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	cis-1,2-Dichloroethene	914		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	cis-1,3-Dichloropropene	0.103	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Dibromochloromethane	0.188	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Dibromomethane	0.102	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Dichlorodifluoromethane	0.43	J	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Ethylbenzene	847		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Hexachlorobutadiene	0.129	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Isopropylbenzene	56		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	m,p-Xylene	1320		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Methylene chloride	7.94		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Naphthalene	29		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	n-Butylbenzene	0.125	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	n-Propylbenzene	109		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	o-Xylene	856		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	p-Isopropyltoluene	23.8		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	sec-Butylbenzene	0.109	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Styrene	0.149	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	tert-Butylbenzene	0.103	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Tetrachloroethene	1.52		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Toluene	1490		ug/l	
CG-1-S1-0800	B0H0230-02	8260B	trans-1,2-Dichloroethene	0.147	U	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02	8260B	trans-1,3-Dichloropropene	0.174	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Trichloroethene	0.219	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Trichlorofluoromethane	0.116	U	ug/l	
CG-1-S1-0800	B0H0230-02	8260B	Vinyl chloride	38.1		ug/l	
CG-9-1-S1-0800	B0H0230-03	8260B	1,1,1,2-Tetrachloroethane	0.192	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,1,1-Trichloroethane	1280		ug/l	3
CG-9-1-S1-0800	B0H0230-03	8260B	1,1,2,2-Tetrachloroethane	0.367	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,1,2-Trichloroethane	0.209	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,1-Dichloroethane	728		ug/l	4
CG-9-1-S1-0800	B0H0230-03	8260B	1,1-Dichloroethene	21.1		ug/l	4
CG-9-1-S1-0800	B0H0230-03	8260B	1,1-Dichloropropene	0.0864	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,2,3-Trichlorobenzene	0.147	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,2,3-Trichloropropane	0.127	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,2,4-Trichlorobenzene	0.236	JB	ug/l	45
CG-9-1-S1-0800	B0H0230-03	8260B	1,2,4-Trimethylbenzene	433		ug/l	1
CG-9-1-S1-0800	B0H0230-03	8260B	1,2-Dibromo-3-chloropropane	0.183	U	ug/l	19
CG-9-1-S1-0800	B0H0230-03	8260B	1,2-Dibromoethane	0.210	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,2-Dichlorobenzene	19.1		ug/l	4
CG-9-1-S1-0800	B0H0230-03	8260B	1,2-Dichloroethane	12.3		ug/l	5
CG-9-1-S1-0800	B0H0230-03	8260B	1,2-Dichloropropane	0.131	U	ug/l	56
CG-9-1-S1-0800	B0H0230-03	8260B	1,3,5-Trimethylbenzene	166		ug/l	6
CG-9-1-S1-0800	B0H0230-03	8260B	1,3-Dichlorobenzene	0.402	J	ug/l	2
CG-9-1-S1-0800	B0H0230-03	8260B	1,3-Dichloropropane	0.249	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	1,4-Dichlorobenzene	0.38	J	ug/l	158
CG-9-1-S1-0800	B0H0230-03	8260B	2,2-Dichloropropane	0.0392	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	2-Butanone	1.95	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	2-Chlorotoluene	0.226	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	2-Hexanone	0.970	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	4-Chlorotoluene	0.274	J	ug/l	12
CG-9-1-S1-0800	B0H0230-03	8260B	4-Methyl-2-pentanone	92.3		ug/l	3
CG-9-1-S1-0800	B0H0230-03	8260B	Acetone	2.90	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Benzene	3.91		ug/l	7



2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03	8260B	Bromobenzene	0.343	U	ug/l	12
CG-9-1-S1-0800	B0H0230-03	8260B	Bromochloromethane	0.0968	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Bromodichloromethane	0.117	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Bromoform	0.106	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Bromomethane	0.249	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Carbon disulfide	0.113	U	ug/l	122
CG-9-1-S1-0800	B0H0230-03	8260B	Carbon tetrachloride	0.191	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Chlorobenzene	0.118	U	ug/l	194
CG-9-1-S1-0800	B0H0230-03	8260B	Chloroethane	19.2		ug/l	5
CG-9-1-S1-0800	B0H0230-03	8260B	Chloroform	0.202	J	ug/l	84
CG-9-1-S1-0800	B0H0230-03	8260B	Chloromethane	0.262	J	ug/l	52
CG-9-1-S1-0800	B0H0230-03	8260B	cis-1,2-Dichloroethene	879		ug/l	4
CG-9-1-S1-0800	B0H0230-03	8260B	cis-1,3-Dichloropropene	0.103	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Dibromochloromethane	0.188	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Dibromomethane	0.102	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Dichlorodifluoromethane	0.144	U	ug/l	--
CG-9-1-S1-0800	B0H0230-03	8260B	Ethylbenzene	850		ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Hexachlorobutadiene	0.129	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Isopropylbenzene	57		ug/l	2
CG-9-1-S1-0800	B0H0230-03	8260B	m,p-Xylene	1400		ug/l	6
CG-9-1-S1-0800	B0H0230-03	8260B	Methylene chloride	7.79		ug/l	2
CG-9-1-S1-0800	B0H0230-03	8260B	Naphthalene	27.5		ug/l	5
CG-9-1-S1-0800	B0H0230-03	8260B	n-Butylbenzene	0.125	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	n-Propylbenzene	110		ug/l	1
CG-9-1-S1-0800	B0H0230-03	8260B	o-Xylene	874		ug/l	2
CG-9-1-S1-0800	B0H0230-03	8260B	p-Isopropyltoluene	24.3		ug/l	2
CG-9-1-S1-0800	B0H0230-03	8260B	sec-Butylbenzene	0.109	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Styrene	0.149	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	tert-Butylbenzene	0.872	J	ug/l	--
CG-9-1-S1-0800	B0H0230-03	8260B	Tetrachloroethene	0.334	J	ug/l	128
CG-9-1-S1-0800	B0H0230-03	8260B	Toluene	1430		ug/l	4
CG-9-1-S1-0800	B0H0230-03	8260B	trans-1,2-Dichloroethene	2.78		ug/l	--

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03	8260B	trans-1,3-Dichloropropene	0.174	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Trichloroethene	0.356	J	ug/l	48
CG-9-1-S1-0800	B0H0230-03	8260B	Trichlorofluoromethane	0.116	U	ug/l	0
CG-9-1-S1-0800	B0H0230-03	8260B	Vinyl chloride	35.7		ug/l	7
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1,1,2-Tetrachloroethane	15.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1,1-Trichloroethane	667	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1,2,2-Tetrachloroethane	29.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1,2-Trichloroethane	16.7	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1-Dichloroethane	421	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1-Dichloroethene	11.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,1-Dichloropropene	6.91	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2,3-Trichlorobenzene	11.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2,3-Trichloropropane	10.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2,4-Trichlorobenzene	12.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2,4-Trimethylbenzene	639	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2-Dibromo-3-chloropropane	14.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2-Dibromoethane	16.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2-Dichlorobenzene	8.48	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2-Dichloroethane	9.12	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,2-Dichloropropane	10.5	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,3,5-Trimethylbenzene	165	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,3-Dichlorobenzene	8.88	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,3-Dichloropropane	19.9	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	1,4-Dichlorobenzene	9.04	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	2,2-Dichloropropane	3.14	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	2-Butanone	156	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	2-Chlorotoluene	18.1	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	2-Hexanone	77.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	4-Chlorotoluene	15.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	4-Methyl-2-pentanone	100	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Acetone	232	UD	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02RE1	8260B	Benzene	8.56	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Bromobenzene	27.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Bromochloromethane	7.74	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Bromodichloromethane	9.36	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Bromoform	8.48	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Bromomethane	19.9	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Carbon disulfide	9.04	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Carbon tetrachloride	15.3	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Chlorobenzene	9.44	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Chloroethane	15.3	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Chloroform	12.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Chloromethane	12.3	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	cis-1,2-Dichloroethene	499	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	cis-1,3-Dichloropropene	8.24	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Dibromochloromethane	15.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Dibromomethane	8.16	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Dichlorodifluoromethane	11.5	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Ethylbenzene	3630	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Hexachlorobutadiene	10.3	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Isopropylbenzene	56.5	JD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	m,p-Xylene	9490	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Methylene chloride	320	JDB	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Naphthalene	13.1	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	n-Butylbenzene	10.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	n-Propylbenzene	126	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	o-Xylene	2820	D	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	p-Isopropyltoluene	8.80	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	sec-Butylbenzene	8.72	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Styrene	11.9	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	tert-Butylbenzene	8.24	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Tetrachloroethene	11.7	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Toluene	28700	DE	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02RE1	8260B	trans-1,2-Dichloroethene	11.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	trans-1,3-Dichloropropene	13.9	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Trichloroethene	17.5	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Trichlorofluoromethane	9.28	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE1	8260B	Vinyl chloride	10.3	UD	ug/l	
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1,1,2-Tetrachloroethane	15.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1,1-Trichloroethane	626	D	ug/l	6
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1,2,2-Tetrachloroethane	29.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1,2-Trichloroethane	16.7	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1-Dichloroethane	414	D	ug/l	2
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1-Dichloroethene	11.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,1-Dichloropropene	6.91	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2,3-Trichlorobenzene	11.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2,3-Trichloropropene	10.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2,4-Trichlorobenzene	12.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2,4-Trimethylbenzene	651	D	ug/l	-2
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2-Dibromo-3-chloropropane	14.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2-Dibromoethane	16.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2-Dichlorobenzene	8.48	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2-Dichloroethane	9.12	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,2-Dichloropropene	10.5	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,3,5-Trimethylbenzene	227	D	ug/l	32
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,3-Dichlorobenzene	8.88	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,3-Dichloropropene	19.9	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	1,4-Dichlorobenzene	9.04	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	2,2-Dichloropropene	3.14	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	2-Butanone	156	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	2-Chlorotoluene	18.1	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	2-Hexanone	77.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	4-Chlorotoluene	15.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	4-Methyl-2-pentanone	100	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Acetone	232	UD	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Benzene	8.56	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Bromobenzene	27.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Bromochloromethane	7.74	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Bromodichloromethane	9.36	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Bromoform	8.48	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Bromomethane	19.9	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Carbon disulfide	9.04	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Carbon tetrachloride	15.3	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Chlorobenzene	9.44	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Chloroethane	15.3	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Chloroform	12.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Chloromethane	12.3	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	cis-1,2-Dichloroethene	476	D	ug/l	5
CG-9-1-S1-0800	B0H0230-03RE1	8260B	cis-1,3-Dichloropropene	8.24	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Dibromochloromethane	15.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Dibromomethane	8.16	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Dichlorodifluoromethane	11.5	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Ethylbenzene	3690	D	ug/l	-2
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Hexachlorobutadiene	10.3	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Isopropylbenzene	52.8	JD	ug/l	7
CG-9-1-S1-0800	B0H0230-03RE1	8260B	m,p-Xylene	9530	D	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Methylene chloride	316	JDB	ug/l	1
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Naphthalene	13.1	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	n-Butylbenzene	10.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	n-Propylbenzene	124	D	ug/l	2
CG-9-1-S1-0800	B0H0230-03RE1	8260B	o-Xylene	2880	D	ug/l	2
CG-9-1-S1-0800	B0H0230-03RE1	8260B	p-Isopropyltoluene	8.80	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	sec-Butylbenzene	8.72	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Styrene	11.9	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	tert-Butylbenzene	8.24	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Tetrachloroethene	11.7	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Toluene	28600	DE	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03RE1	8260B	trans-1,2-Dichloroethene	11.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	trans-1,3-Dichloropropene	13.9	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Trichloroethene	17.5	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Trichlorofluoromethane	9.28	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE1	8260B	Vinyl chloride	10.3	UD	ug/l	0
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1,1,2-Tetrachloroethane	76.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1,1-Trichloroethane	1050	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1,2,2-Tetrachloroethane	147	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1,2-Trichloroethane	83.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1-Dichloroethane	624	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1-Dichloroethane	59.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,1-Dichloropropene	34.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2,3-Trichlorobenzene	58.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2,3-Trichloropropene	50.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2,4-Trichlorobenzene	60.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2,4-Trimethylbenzene	506	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2-Dibromo-3-chloropropane	73.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2-Dibromoethane	84.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2-Dichlorobenzene	42.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2-Dichloroethane	45.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,2-Dichloropropene	52.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,3,5-Trimethylbenzene	47.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,3-Dichlorobenzene	44.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,3-Dichloropropene	99.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	1,4-Dichlorobenzene	45.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	2,2-Dichloropropene	15.7	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	2-Butanone	780	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	2-Chlorotoluene	90.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	2-Hexanone	388	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	4-Chlorotoluene	78.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	4-Methyl-2-pentanone	500	UD	ug/l	



2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02RE2	8260B	Acetone	1160	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Benzene	42.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Bromobenzene	137	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Bromochloromethane	38.7	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Bromodichloromethane	46.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Bromoform	42.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Bromomethane	99.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Carbon disulfide	45.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Carbon tetrachloride	76.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Chlorobenzene	47.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Chloroethane	76.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Chloroform	60.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Chloromethane	61.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	cis-1,2-Dichloroethene	579	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	cis-1,3-Dichloropropene	41.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Dibromochloromethane	75.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Dibromomethane	40.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Dichlorodifluoromethane	57.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Ethylbenzene	3150	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Hexachlorobutadiene	51.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Isopropylbenzene	89.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	m,p-Xylene	9080	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Methylene chloride	1960	JDB	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Naphthalene	65.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	n-Butylbenzene	50.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	n-Propylbenzene	26.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	o-Xylene	2660	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	p-Isopropyltoluene	44.0	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	sec-Butylbenzene	43.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Styrene	59.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	tert-Butylbenzene	41.2	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Tetrachloroethene	58.4	UD	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0800	B0H0230-02RE2	8260B	Toluene	26000	D	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	trans-1,2-Dichloroethene	58.8	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	trans-1,3-Dichloropropene	69.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Trichloroethene	87.6	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Trichlorofluoromethane	46.4	UD	ug/l	
CG-1-S1-0800	B0H0230-02RE2	8260B	Vinyl chloride	51.6	UD	ug/l	
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1,1,2-Tetrachloroethane	76.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1,1-Trichloroethane	1020	D	ug/l	3
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1,2,2-Tetrachloroethane	147	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1,2-Trichloroethane	83.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1-Dichloroethane	618	D	ug/l	1
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1-Dichloroethene	59.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,1-Dichloropropene	34.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2,3-Trichlorobenzene	58.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2,3-Trichloropropane	50.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2,4-Trichlorobenzene	60.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2,4-Trimethylbenzene	510	D	ug/l	1
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2-Dibromo-3-chloropropane	73.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2-Dibromoethane	84.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2-Dichlorobenzene	42.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2-Dichloroethane	45.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,2-Dichloropropene	52.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,3,5-Trimethylbenzene	47.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,3-Dichlorobenzene	44.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,3-Dichloropropane	99.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	1,4-Dichlorobenzene	45.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	2,2-Dichloropropane	15.7	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	2-Butanone	780	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	2-Chlorotoluene	90.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	2-Hexanone	388	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	4-Chlorotoluene	78.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	4-Methyl-2-pentanone	500	UD	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Acetone	1160	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Benzene	42.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Bromobenzene	137	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Bromochloromethane	38.7	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Bromodichloromethane	46.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Bromoform	42.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Bromomethane	99.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Carbon disulfide	45.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Carbon tetrachloride	76.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Chlorobenzene	47.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Chloroethane	76.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Chloroform	60.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Chloromethane	61.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	cis-1,2-Dichloroethene	598	D	ug/l	3
CG-9-1-S1-0800	B0H0230-03RE2	8260B	cis-1,3-Dichloropropene	41.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Dibromochloromethane	75.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Dibromomethane	40.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Dichlorodifluoromethane	57.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Ethylbenzene	3280	D	ug/l	4
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Hexachlorobutadiene	249	JDB	ug/l	--
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Isopropylbenzene	89.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	m,p-Xylene	9240	D	ug/l	2
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Methylene chloride	1770	JDB	ug/l	10
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Naphthalene	65.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	n-Butylbenzene	50.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	n-Propylbenzene	26.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	o-Xylene	2880	D	ug/l	8
CG-9-1-S1-0800	B0H0230-03RE2	8260B	p-Isopropyltoluene	44.0	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	sec-Butylbenzene	43.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Styrene	59.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	tert-Butylbenzene	41.2	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Tetrachloroethene	58.4	UD	ug/l	0

2000 third quarter field data site specific sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Toluene	27800	D	ug/l	7
CG-9-1-S1-0800	B0H0230-03RE2	8260B	trans-1,2-Dichloroethene	58.8	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	trans-1,3-Dichloropropene	69.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Trichloroethene	87.6	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Trichlorofluoromethane	46.4	UD	ug/l	0
CG-9-1-S1-0800	B0H0230-03RE2	8260B	Vinyl chloride	51.6	UD	ug/l	0
CG-105-I-0800	B0H0391-02	8260B	1,1,1,2-Tetrachloroethane	0.192	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1,1-Trichloroethane	0.173	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1,2,2-Tetrachloroethane	0.367	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1,2-Trichloroethane	0.209	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1-Dichloroethane	171	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1-Dichloroethene	116	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,1-Dichloropropene	0.0864	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2,3-Trichlorobenzene	0.147	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2,3-Trichloropropene	0.127	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2,4-Trichlorobenzene	0.996	J	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2,4-Trimethylbenzene	6.3		ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2-Dibromo-3-chloropropane	0.183	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2-Dibromoethane	0.210	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2-Dichlorobenzene	0.106	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2-Dichloroethane	0.114	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,2-Dichloropropene	0.131	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,3,5-Trimethylbenzene	2.09		ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,3-Dichlorobenzene	0.111	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,3-Dichloropropene	0.249	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	1,4-Dichlorobenzene	0.113	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	2,2-Dichloropropane	0.0392	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	2-Butanone	1.95	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	2-Chlorotoluene	0.226	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	2-Hexanone	0.970	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	4-Chlorotoluene	0.195	U	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	8260B	4-Methyl-2-pentanone	1.25	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Acetone	2.90	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Benzene	33.6		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Bromobenzene	0.343	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Bromochloromethane	0.0968	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Bromodichloromethane	0.117	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Bromoform	0.106	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Bromomethane	0.249	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Carbon disulfide	19.7		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Carbon tetrachloride	0.191	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Chlorobenzene	17.9		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Chloroethane	0.191	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Chloroform	0.152	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Chloromethane	0.154	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	cis-1,2-Dichloroethene	49200	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	cis-1,3-Dichloropropene	0.103	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Dibromochloromethane	0.188	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Dibromomethane	0.102	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Dichlorodifluoromethane	0.144	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Ethylbenzene	37.1		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Hexachlorobutadiene	0.129	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Isopropylbenzene	0.884	J	ug/l	
CG-105-I-0800	B0H0391-02	8260B	m,p-Xylene	85.9		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Methylene chloride	0.282	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Naphthalene	0.828	J	ug/l	
CG-105-I-0800	B0H0391-02	8260B	n-Butylbenzene	0.125	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	n-Propylbenzene	1.82		ug/l	
CG-105-I-0800	B0H0391-02	8260B	o-Xylene	31.9		ug/l	
CG-105-I-0800	B0H0391-02	8260B	p-Isopropyltoluene	0.110	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	sec-Butylbenzene	0.109	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Styrene	0.149	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	tert-Butylbenzene	0.103	U	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	8260B	Tetrachloroethene	39.7		ug/l	
CG-105-I-0800	B0H0391-02	8260B	Toluene	471	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	trans-1,2-Dichloroethene	4260	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	trans-1,3-Dichloropropene	0.174	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Trichloroethene	55700	D	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Trichlorofluoromethane	0.116	U	ug/l	
CG-105-I-0800	B0H0391-02	8260B	Vinyl chloride	802	D	ug/l	
CG-9-105-I-0800	B0H0391-03	8260B	1,1,1,2-Tetrachloroethane	0.192	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,1,1-Trichloroethane	0.173	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,1,2,2-Tetrachloroethane	0.367	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,1,2-Trichloroethane	0.209	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,1-Dichloroethane	249		ug/l	37
CG-9-105-I-0800	B0H0391-03	8260B	1,1-Dichloroethene	213		ug/l	59
CG-9-105-I-0800	B0H0391-03	8260B	1,1-Dichloropropene	0.0864	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2,3-Trichlorobenzene	0.147	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2,3-Trichloropropane	0.127	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2,4-Trichlorobenzene	1.05		ug/l	5
CG-9-105-I-0800	B0H0391-03	8260B	1,2,4-Trimethylbenzene	6.5		ug/l	3
CG-9-105-I-0800	B0H0391-03	8260B	1,2-Dibromo-3-chloropropane	0.183	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2-Dibromoethane	0.210	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2-Dichlorobenzene	0.106	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2-Dichloroethane	0.114	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,2-Dichloropropane	0.131	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,3,5-Trimethylbenzene	2.53		ug/l	19
CG-9-105-I-0800	B0H0391-03	8260B	1,3-Dichlorobenzene	0.111	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,3-Dichloropropane	0.249	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	1,4-Dichlorobenzene	0.113	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	2,2-Dichloropropane	0.0392	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	2-Butanone	1.95	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	2-Chlorotoluene	0.226	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	2-Hexanone	0.970	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	4-Chlorotoluene	0.195	U	ug/l	0



2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0800	B0H0391-03	8260B	4-Methyl-2-pentanone	1.25	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Acetone	2.90	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Benzene	33.6		ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Bromobenzene	0.343	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Bromochloromethane	0.0968	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Bromodichloromethane	0.117	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Bromoform	0.106	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Bromomethane	0.249	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Carbon disulfide	22.1		ug/l	11
CG-9-105-I-0800	B0H0391-03	8260B	Carbon tetrachloride	0.191	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Chlorobenzene	18		ug/l	1
CG-9-105-I-0800	B0H0391-03	8260B	Chloroethane	0.191	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Chloroform	0.152	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Chloromethane	0.154	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	cis-1,2-Dichloroethene	4740		ug/l	165
CG-9-105-I-0800	B0H0391-03	8260B	cis-1,3-Dichloropropene	0.103	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Dibromochloromethane	0.188	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Dibromomethane	0.102	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Dichlorodifluoromethane	0.144	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Ethylbenzene	37.1		ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Hexachlorobutadiene	0.129	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Isopropylbenzene	0.224	U	ug/l	--
CG-9-105-I-0800	B0H0391-03	8260B	m,p-Xylene	77.4		ug/l	10
CG-9-105-I-0800	B0H0391-03	8260B	Methylene chloride	0.282	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Naphthalene	0.164	U	ug/l	--
CG-9-105-I-0800	B0H0391-03	8260B	n-Butylbenzene	0.125	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	n-Propylbenzene	2.1		ug/l	14
CG-9-105-I-0800	B0H0391-03	8260B	o-Xylene	30.9		ug/l	3
CG-9-105-I-0800	B0H0391-03	8260B	p-Isopropyltoluene	0.110	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	sec-Butylbenzene	0.109	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Styrene	0.149	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	tert-Butylbenzene	0.103	U	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0800	B0H0391-03	8260B	Tetrachloroethene	42.2		ug/l	6
CG-9-105-I-0800	B0H0391-03	8260B	Toluene	485		ug/l	3
CG-9-105-I-0800	B0H0391-03	8260B	trans-1,2-Dichloroethene	2340		ug/l	58
CG-9-105-I-0800	B0H0391-03	8260B	trans-1,3-Dichloropropene	0.174	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Trichloroethene	3830		ug/l	174
CG-9-105-I-0800	B0H0391-03	8260B	Trichlorofluoromethane	0.116	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8260B	Vinyl chloride	1400		ug/l	54
CG-105-I-0800	B0H0391-02	8270C	1,2,4-Trichlorobenzene	1.49	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	1,2-Dichlorobenzene	2.04	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	1,3-Dichlorobenzene	1.37	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	1,4-Dichlorobenzene	1.05	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4,5-Trichlorophenol	1.40	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4,6-Trichlorophenol	1.27	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4-Dichlorophenol	1.19	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4-Dimethylphenol	3.75	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4-Dinitrophenol	6.99	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Chloronaphthalene	1.02	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Chlorophenol	1.48	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Methylnaphthalene	1.41	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Methylphenol	0.900	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Nitroaniline	4.05	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	2-Nitrophenol	2.18	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	3 & 4-Methylphenol	1.65	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	3-Nitroaniline	0.790	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4-Chloroaniline	1.88	U	ug/l	

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4-Nitroaniline	1.32	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	4-Nitrophenol	2.43	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Acenaphthene	1.09	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Acenaphthylene	1.16	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Aniline	1.88	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Anthracene	1.34	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzo (a) anthracene	0.650	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzo (a) pyrene	4.95	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzo (ghi) perylene	2.50	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzoic Acid	2.50	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Benzyl alcohol	1.99	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Butyl benzyl phthalate	0.650	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Carbazole	4.38	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Chrysene	1.03	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Dibenzofuran	1.21	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Diethyl phthalate	0.970	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Dimethyl phthalate	1.27	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Di-n-butyl phthalate	1.26	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Di-n-octyl phthalate	1.74	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Fluoranthene	0.990	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Fluorene	1.24	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Hexachlorobenzene	1.42	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Hexachlorobutadiene	1.49	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	

2019 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0800	B0H0391-02	8270C	Hexachloroethane	1.15	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Isophorone	1.64	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Naphthalene	1.56	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Nitrobenzene	1.54	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Pentachlorophenol	1.77	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Phenanthrene	1.25	U	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Phenol	3.38	J	ug/l	
CG-105-I-0800	B0H0391-02	8270C	Pyrene	1.21	U	ug/l	
CG-9-105-I-0800	B0H0391-03	8270C	1,2,4-Trichlorobenzene	1.49	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	1,2-Dichlorobenzene	2.04	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	1,3-Dichlorobenzene	1.37	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	1,4-Dichlorobenzene	1.05	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4,5-Trichlorophenol	1.40	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4,6-Trichlorophenol	1.27	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4-Dichlorophenol	1.19	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4-Dimethylphenol	3.75	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4-Dinitrophenol	6.99	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,4-Dinitrotoluene	1.54	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2,6-Dinitrotoluene	1.49	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Chloronaphthalene	1.02	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Chlorophenol	1.48	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Methylnaphthalene	1.41	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Methylphenol	0.900	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Nitroaniline	4.05	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	2-Nitrophenol	2.18	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	3 & 4-Methylphenol	1.65	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	3-Nitroaniline	0.790	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	4,6-Dinitro-2-methylphenol	2.00	U	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-0800	B0H0391-03	8270C	4-Bromophenyl phenyl ether	1.27	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	4-Chloro-3-methylphenol	1.53	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	4-Chloroaniline	1.88	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	4-Chlorophenyl phenyl ether	1.23	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	4-Nitroaniline	1.32	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	4-Nitrophenol	2.43	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Acenaphthene	1.09	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Acenaphthylene	1.16	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Aniline	1.88	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Anthracene	1.34	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzo (a) anthracene	0.650	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzo (a) pyrene	4.95	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzo (b) fluoranthene	1.35	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzo (ghi) perylene	2.50	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzo (k) fluoranthene	1.61	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzoic Acid	2.50	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Benzyl alcohol	1.99	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Bis(2-chloroethoxy)methane	1.95	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Bis(2-chloroethyl)ether	1.28	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Bis(2-chloroisopropyl)ether	1.73	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Bis(2-ethylhexyl)phthalate	11.4	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Butyl benzyl phthalate	0.650	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Carbazole	4.38	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Chrysene	1.03	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Dibenz (a,h) anthracene	2.47	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Dibenzofuran	1.21	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Diethyl phthalate	0.970	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Dimethyl phthalate	1.27	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Di-n-butyl phthalate	1.26	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Di-n-octyl phthalate	1.74	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Fluoranthene	0.990	U	ug/l	0
CG-9-105-1-0800	B0H0391-03	8270C	Fluorene	1.24	U	ug/l	0

2000 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0800	B0H0391-03	8270C	Hexachlorobenzene	1.42	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Hexachlorobutadiene	1.49	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Hexachlorocyclopentadiene	1.75	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Hexachloroethane	1.15	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Indeno (1,2,3-cd) pyrene	2.55	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Isophorone	1.64	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Naphthalene	1.56	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Nitrobenzene	1.54	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	N-Nitrosodi-n-propylamine	1.54	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	N-Nitrosodiphenylamine	3.92	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Pentachlorophenol	1.77	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Phenanthrene	1.25	U	ug/l	0
CG-9-105-I-0800	B0H0391-03	8270C	Phenol	1.33	U	ug/l	87
CG-9-105-I-0800	B0H0391-03	8270C	Pyrene	1.21	U	ug/l	0



2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	
CG-9-105-1-1100	B0K0135-02	300.0	Nitrate-Nitrogen	0.0385	U	mg/L	0
CG-105-1-1100	B0K0135-01	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	
CG-9-105-1-1100	B0K0135-02	300.0	Nitrite-Nitrogen	0.0425	U	mg/l	0
CG-105-1-1100	B0K0135-01	310.1	Total Alkalinity	239		mg/L	
CG-9-105-1-1100	B0K0135-02	310.1	Total Alkalinity	235		mg/L	2
CG-105-1-1100	B0K0135-01	3500-Fe D	Ferrous Iron	0.313	J	mg/l	
CG-9-105-1-1100	B0K0135-02	3500-Fe D	Ferrous Iron	0.367	J	mg/l	16
CG-105-1-1100	B0K0135-01	6010B	Ferric Iron	1.98		mg/l	
CG-9-105-1-1100	B0K0135-02	6010B	Ferric Iron	1.89		mg/l	5
CG-105-1-1100	B0K0135-01	6010B	Iron	2.29		mg/l	
CG-9-105-1-1100	B0K0135-02	6010B	Iron	2.25		mg/l	2
CG-105-1-1100	B0K0135-01	415.1	Total Organic Carbon	61.7	D	mg/l	
CG-9-105-1-1100	B0K0135-02	415.1	Total Organic Carbon	109	D	mg/l	55
CG-105-1-1100	B0K0135-01	4500-CO2 C	Carbon dioxide	14.1		mg/l	
CG-9-105-1-1100	B0K0135-02	4500-CO2 C	Carbon dioxide	22.4		mg/l	45
CG-105-1-1100	B0K0135-01	9010B	Cyanide (total)	0.0027	J	mg/l	
CG-9-105-1-1100	B0K0135-02	9010B	Cyanide (total)	0.0027	J	mg/l	0
CG-105-1-1100	B0K0135-01	9030B	Sulfide	4.00	U	mg/l	
CG-9-105-1-1100	B0K0135-02	9030B	Sulfide	4.00	U	mg/l	0
CG-9-105-1-1100	B0K0135-02	300.0	Sulfate	0.0442		mg/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-1100	B0K0135-02	300.0	Chloride	44	DBB	mg/l	
CG-105-1-1100	B0K0135-01	6020	Arsenic	0.00113		mg/l	
CG-105-1-1100	B0K0135-01	6020	Barium	0.00676	J	mg/l	
CG-105-1-1100	B0K0135-01	6020	Cadmium	0.000122	J	mg/l	
CG-105-1-1100	B0K0135-01	6020	Chromium	0.0078		mg/l	
CG-105-1-1100	B0K0135-01	6020	Copper	0.0144		mg/l	
CG-105-1-1100	B0K0135-01	6020	Lead	0.00118		mg/l	
CG-105-1-1100	B0K0135-01	6020	Manganese	0.061		mg/l	
CG-105-1-1100	B0K0135-01	6020	Nickel	0.0019		mg/l	
CG-105-1-1100	B0K0135-01	6020	Selenium	0.000520	U	mg/l	
CG-105-1-1100	B0K0135-01	6020	Silver	0.000120	U	mg/l	
CG-105-1-1100	B0K0135-01	6020	Zinc	0.00505	JB	mg/l	
CG-9-105-1-1100	B0K0135-02	6020	Arsenic	0.000967	J	mg/l	16
CG-9-105-1-1100	B0K0135-02	6020	Barium	0.00624	J	mg/l	8
CG-9-105-1-1100	B0K0135-02	6020	Cadmium	0.000120	U	mg/l	2
CG-9-105-1-1100	B0K0135-02	6020	Chromium	0.00726		mg/l	7
CG-9-105-1-1100	B0K0135-02	6020	Copper	0.0137		mg/l	5
CG-9-105-1-1100	B0K0135-02	6020	Lead	0.00101		mg/l	16
CG-9-105-1-1100	B0K0135-02	6020	Manganese	0.0585		mg/l	4
CG-9-105-1-1100	B0K0135-02	6020	Nickel	0.00174		mg/l	9
CG-9-105-1-1100	B0K0135-02	6020	Selenium	0.000520	U	mg/l	0
CG-9-105-1-1100	B0K0135-02	6020	Silver	0.000120	U	mg/l	0
CG-9-105-1-1100	B0K0135-02	6020	Zinc	0.00411	JB	mg/l	21
CG-105-1-1100	B0K0135-01	8082	Aroclor 1016	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1221	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1232	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1242	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1248	0.0305	U	ug/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	8082	Aroclor 1254	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1260	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1262	0.0305	U	ug/l	
CG-105-1-1100	B0K0135-01	8082	Aroclor 1268	0.0305	U	ug/l	
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1016	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1221	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1232	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1242	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1248	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1254	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1260	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1262	0.0305	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8082	Aroclor 1268	0.0305	U	ug/l	0
CG-105-1-1100	B0K0135-01	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1-Dichloroethane	245		ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1-Dichloroethane	198		ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,1-Dichloropropene	0.0520	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,2-Dichloroethane	0.0330	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,2-Dichloropropane	0.0340	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,3-Dichloropropane	0.0230	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	2,2-Dichloropropane	0.284	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	2-Butanone	0.572	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	2-Hexanone	0.160	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	8260B	Acetone	3.22	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Benzene	36.9		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Bromochloromethane	0.0360	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Bromoform	0.0290	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Bromomethane	0.304	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Carbon disulfide	9.51		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Carbon tetrachloride	0.0530	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Chlorobenzene	18		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Chloroethane	0.153	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Chloroform	0.0440	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Chloromethane	0.143	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	cis-1,2-Dichloroethene	44100	D	ug/l	
CG-105-1-1100	B0K0135-01	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Dibromochloromethane	0.0340	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Ethylbenzene	41.4		ug/l	
CG-105-1-1100	B0K0135-01	8260B	m,p-Xylene	90.8		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Methylene chloride	0.816	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Naphthalene	0.0330	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	o-Xylene	33.7		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Styrene	0.0220	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Tetrachloroethene	58		ug/l	
CG-105-1-1100	B0K0135-01	8260B	Toluene	550		ug/l	
CG-105-1-1100	B0K0135-01	8260B	trans-1,2-Dichloroethene	5030	D	ug/l	
CG-105-1-1100	B0K0135-01	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Trichloroethene	82900	D	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Trichlorofluoromethane	0.113	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Vinyl acetate	5.00	U	ug/l	
CG-105-1-1100	B0K0135-01	8260B	Vinyl chloride	671		ug/l	
CG-9-105-1-1100	B0K0135-02	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	0

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-1100	B0K0135-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,1-Dichloroethane	306		ug/l	22
CG-9-105-1-1100	B0K0135-02	8260B	1,1-Dichloroethene	197		ug/l	1
CG-9-105-1-1100	B0K0135-02	8260B	1,1-Dichloropropene	0.0520	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,2-Dichloroethane	0.0330	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,2-Dichloropropane	0.0340	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,3-Dichloropropane	0.0230	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	2,2-Dichloropropane	0.284	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	2-Butanone	0.572	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	2-Hexanone	0.160	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Acetone	3.22	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Benzene	36.7		ug/l	1
CG-9-105-1-1100	B0K0135-02	8260B	Bromodichloromethane	0.0360	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Bromoform	0.0290	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Bromomethane	0.304	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Carbon disulfide	9.45		ug/l	1
CG-9-105-1-1100	B0K0135-02	8260B	Carbon tetrachloride	0.0530	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Chlorobenzene	18.3		ug/l	2
CG-9-105-1-1100	B0K0135-02	8260B	Chloroethane	0.153	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Chloroform	0.0440	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Chloromethane	0.143	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	cis-1,2-Dichloroethene	43400	D	ug/l	2
CG-9-105-1-1100	B0K0135-02	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Dibromochloromethane	0.0340	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Ethylbenzene	42.4		ug/l	2
CG-9-105-1-1100	B0K0135-02	8260B	m,p-Xylene	90.2		ug/l	1

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-1100	B0K0135-02	8260B	Methylene chloride	0.816	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Naphthalene	0.0330	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	o-Xylene	34.2	U	ug/l	1
CG-9-105-1-1100	B0K0135-02	8260B	Styrene	0.0220	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Tetrachloroethene	51.6	U	ug/l	12
CG-9-105-1-1100	B0K0135-02	8260B	Toluene	534	U	ug/l	3
CG-9-105-1-1100	B0K0135-02	8260B	trans-1,2-Dichloroethene	4360	D	ug/l	14
CG-9-105-1-1100	B0K0135-02	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Trichloroethene	90300	D	ug/l	9
CG-9-105-1-1100	B0K0135-02	8260B	Trichlorofluoromethane	0.113	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8260B	Vinyl chloride	717	U	ug/l	7
CG-105-1-1100	B0K0135-01	8270C	1,2,4-Trichlorobenzene	1.26	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	1,2-Dichlorobenzene	1.41	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	1,3-Dichlorobenzene	1.14	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	1,4-Dichlorobenzene	1.54	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4,6-Trichlorophenol	1.13	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4-Dichlorophenol	2.07	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4-Dimethylphenol	2.30	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4-Dinitrophenol	1.26	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,4-Dinitrotoluene	0.460	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2,6-Dinitrotoluene	0.814	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Chloronaphthalene	0.819	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Chlorophenol	0.516	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Methylnaphthalene	1.11	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Methylphenol	0.782	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Nitroaniline	1.70	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	2-Nitrophenol	1.45	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	3 & 4-Methylphenol	1.95	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	8270C	3-Nitroaniline	2.25	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Chloroaniline	3.44	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Nitroaniline	1.70	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	4-Nitrophenol	1.87	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Acenaphthene	0.593	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Acenaphthylene	0.884	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Aniline	3.75	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Anthracene	0.800	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzo (a) anthracene	1.17	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzo (a) pyrene	0.659	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzo (b) fluoranthene	1.15	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzo (ghi) perylene	0.595	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzo (k) fluoranthene	0.794	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzoic Acid	6.93	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Benzyl alcohol	1.44	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Bis(2-chloroisopropyl)ether	0.780	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Bis(2-ethylhexyl)phthalate	0.605	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Butyl benzyl phthalate	0.923	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Carbazole	1.25	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Chrysene	0.927	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Di-n-butyl phthalate	1.87	JB	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Di-n-octyl phthalate	0.550	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Dibenz (a,h) anthracene	1.05	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Dibenzofuran	0.615	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Diethyl phthalate	0.426	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Dimethyl phthalate	0.318	U	ug/l	



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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	8270C	Fluoranthene	0.687	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Fluorene	1.00	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Hexachlorobenzene	0.563	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Hexachlorobutadiene	1.33	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Hexachlorocyclopentadiene	1.37	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Hexachloroethane	1.38	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Indeno (1,2,3-cd) pyrene	0.652	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Isophorone	1.32	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	N-Nitrosodiphenylamine	0.802	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Naphthalene	1.01	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Nitrobenzene	1.05	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Pentachlorophenol	0.971	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Phenanthrene	0.518	U	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Phenol	2.37	J	ug/l	
CG-105-1-1100	B0K0135-01	8270C	Pyrene	0.747	U	ug/l	
CG-9-105-1-1100	B0K0135-02	8270C	1,2,4-Trichlorobenzene	1.26	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	1,2-Dichlorobenzene	1.41	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	1,3-Dichlorobenzene	1.14	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	1,4-Dichlorobenzene	1.54	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4,6-Trichlorophenol	1.13	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4-Dichlorophenol	2.07	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4-Dimethylphenol	2.30	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4-Dinitrophenol	1.26	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,4-Dinitrotoluene	0.460	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2,6-Dinitrotoluene	0.814	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2-Chloronaphthalene	0.819	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2-Chlorophenol	0.516	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2-Methylnaphthalene	1.11	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2-Methylphenol	0.782	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	2-Nitroaniline	1.70	U	ug/l	0

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-1100	B0K0135-02	8270C	2-Nitrophenol	1.45	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	3 & 4-Methylphenol	1.95	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	3-Nitroaniline	2.25	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Chloroaniline	3.44	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Nitroaniline	1.70	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	4-Nitrophenol	1.87	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Acenaphthene	0.593	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Acenaphthylene	0.884	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Aniline	3.75	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Anthracene	0.800	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzo (a) anthracene	1.17	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzo (a) pyrene	0.659	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzo (b) fluoranthene	1.15	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzo (ghi) perylene	0.595	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzo (k) fluoranthene	0.794	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzoic Acid	6.93	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Benzyl alcohol	1.44	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Bis(2-chloroisopropyl)ether	0.780	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Bis(2-ethylhexyl)phthalate	5.07	J	ug/l	157
CG-9-105-1-1100	B0K0135-02	8270C	Butyl benzyl phthalate	0.923	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Carbazole	1.25	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Chrysene	0.927	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Di-n-butyl phthalate	1.7	JB	ug/l	10
CG-9-105-1-1100	B0K0135-02	8270C	Di-n-octyl phthalate	0.550	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Dibenz (a,h) anthracene	1.05	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-1100	B0K0135-02	8270C	Dibenzofuran	0.615	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Diethyl phthalate	0.426	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Dimethyl phthalate	0.318	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Fluoranthene	0.687	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Fluorene	1.00	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Hexachlorobenzene	0.563	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Hexachlorobutadiene	1.33	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Hexachlorocyclopentadiene	1.37	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Hexachloroethane	1.38	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Indeno (1,2,3-cd) pyrene	0.652	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Isophorone	1.32	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	N-Nitrosodiphenylamine	0.802	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Naphthalene	1.01	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Nitrobenzene	1.05	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Pentachlorophenol	0.971	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Phenanthrene	0.518	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	8270C	Phenol	2.39	J	ug/l	1
CG-9-105-1-1100	B0K0135-02	8270C	Pyrene	0.747	U	ug/l	0
CG-105-1-1100	B0K0135-01	GC/FID	Ethane	5.00	U	ug/l	
CG-105-1-1100	B0K0135-01	GC/FID	Ethene	5.00	U	ug/l	
CG-105-1-1100	B0K0135-01	GC/FID	Methane	3590		ug/l	
CG-9-105-1-1100	B0K0135-02	GC/FID	Ethane	5.00	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	GC/FID	Ethene	5.00	U	ug/l	0
CG-9-105-1-1100	B0K0135-02	GC/FID	Methane	3270		ug/l	9
CG-105-1-1100	B0K0135-01	NWTPH-DX	Diesel Range Hydrocarbons	0.342		mg/l	
CG-105-1-1100	B0K0135-01	NWTPH-DX	Lube Oil Range Hydrocarbons	0.257	JB	mg/l	
CG-9-105-1-1100	B0K0135-02	NWTPH-DX	Diesel Range Hydrocarbons	0.33		mg/l	4
CG-9-105-1-1100	B0K0135-02	NWTPH-DX	Lube Oil Range Hydrocarbons	0.232	JB	mg/l	10

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-1-1100	B0K0135-01	NWTPH-Gx	Gasoline Range Hydrocarbons	41000	D	ug/l	
CG-9-105-1-1100	B0K0135-02	NWTPH-Gx	Gasoline Range Hydrocarbons	35200	D	ug/l	15
CG-1-S1-1000	B0J0684-04	9010B	Cyanide (total)	0.00140	U	mg/l	
CG-9-1-S1-1000	B0J0684-05	9010B	Cyanide (total)	0.00897	J	mg/l	--
CG-1-S1-1000	B0J0684-04	6020	Arsenic	0.00367		mg/l	
CG-1-S1-1000	B0J0684-04	6020	Barium	0.00641	J	mg/l	
CG-1-S1-1000	B0J0684-04	6020	Cadmium	0.000244	J	mg/l	
CG-1-S1-1000	B0J0684-04	6020	Chromium	0.00446		mg/l	
CG-1-S1-1000	B0J0684-04	6020	Copper	0.00259		mg/l	
CG-1-S1-1000	B0J0684-04	6020	Lead	0.00159		mg/l	
CG-1-S1-1000	B0J0684-04	6020	Nickel	0.00347		mg/l	
CG-1-S1-1000	B0J0684-04	6020	Selenium	0.000520	U	mg/l	
CG-1-S1-1000	B0J0684-04	6020	Silver	0.000120	U	mg/l	
CG-1-S1-1000	B0J0684-04	6020	Zinc	0.00985	JB	mg/l	
CG-9-1-S1-1000	B0J0684-05	6020	Arsenic	0.00347		mg/l	6
CG-9-1-S1-1000	B0J0684-05	6020	Barium	0.00611	J	mg/l	5
CG-9-1-S1-1000	B0J0684-05	6020	Cadmium	0.000159	J	mg/l	42
CG-9-1-S1-1000	B0J0684-05	6020	Chromium	0.00794		mg/l	56
CG-9-1-S1-1000	B0J0684-05	6020	Copper	0.00252		mg/l	3
CG-9-1-S1-1000	B0J0684-05	6020	Lead	0.00146		mg/l	9
CG-9-1-S1-1000	B0J0684-05	6020	Nickel	0.00628		mg/l	58
CG-9-1-S1-1000	B0J0684-05	6020	Selenium	0.000520	U	mg/l	0
CG-9-1-S1-1000	B0J0684-05	6020	Silver	0.000120	U	mg/l	0
CG-9-1-S1-1000	B0J0684-05	6020	Zinc	0.0148		mg/l	40
CG-1-S1-1000	B0J0684-04	8082	Aroclor 1016	0.0305	U	ug/l	
CG-1-S1-1000	B0J0684-04	8082	Aroclor 1221	0.0305	U	ug/l	
CG-1-S1-1000	B0J0684-04	8082	Aroclor 1232	0.0305	U	ug/l	
CG-1-S1-1000	B0J0684-04	8082	Aroclor 1242	0.0305	U	ug/l	
CG-1-S1-1000	B0J0684-04	8082	Aroclor 1248	0.0305	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1000	BOJ0684-04	8082	Aroclor 1254	0.0305	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8082	Aroclor 1260	0.0305	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8082	Aroclor 1262	0.0305	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8082	Aroclor 1268	0.0305	U	ug/l	
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1016	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1221	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1232	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1242	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1248	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1254	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1260	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1262	0.0305	U	ug/l	0
CG-9-1-S1-1000	BOJ0684-05	8082	Aroclor 1268	0.0305	U	ug/l	0
CG-1-S1-1000	BOJ0684-04	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1,1-Trichloroethane	1120	D	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1-Dichloroethane	840	D	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1-Dichloroethene	14.6		ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,1-Dichloropropene	0.0520	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,2-Dichlorobenzene	22.8		ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,2-Dichloroethane	9.67		ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,2-Dichloropropane	0.0340	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,3-Dichloropropane	0.0230	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	2,2-Dichloropropane	0.284	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	2-Butanone	0.572	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	2-Hexanone	0.160	U	ug/l	
CG-1-S1-1000	BOJ0684-04	8260B	4-Methyl-2-pentanone	144		ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1000	B0J0684-04	8260B	Acetone	3.22	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Benzene	3.1		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Bromodichloromethane	0.0360	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Bromoform	0.0290	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Bromomethane	0.304	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Carbon disulfide	0.0930	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Carbon tetrachloride	0.0530	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Chlorobenzene	8.23		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Chloroethane	19.4		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Chloroform	0.0440	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Chloromethane	0.143	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	cis-1,2-Dichloroethene	578	D	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Dibromochloromethane	0.0340	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Ethylbenzene	3430	D	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	m,p-Xylene	9260	D	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Methylene chloride	13.2		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Naphthalene	38.3		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	o-Xylene	1880	D	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Styrene	0.0220	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Tetrachloroethene	1.39		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Toluene	29300	D	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	trans-1,2-Dichloroethene	16.3		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Trichloroethene	1.39		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Trichlorofluoromethane	1.22		ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Vinyl acetate	5.00	U	ug/l	
CG-1-S1-1000	B0J0684-04	8260B	Vinyl chloride	74.5		ug/l	
CG-9-1-S1-1000	B0J0684-05	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,1,1-Trichloroethane	1210	D	ug/l	8
CG-9-1-S1-1000	B0J0684-05	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-1000	B0J0684-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,1-Dichloroethane	758	D	ug/l	10
CG-9-1-S1-1000	B0J0684-05	8260B	1,1-Dichloroethane	14.2		ug/l	3
CG-9-1-S1-1000	B0J0684-05	8260B	1,1-Dichloropropene	0.0520	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,2-Dichlorobenzene	23.5		ug/l	3
CG-9-1-S1-1000	B0J0684-05	8260B	1,2-Dichloroethane	9.67		ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,2-Dichloropropane	0.0340	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,3-Dichloropropane	0.0230	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	2,2-Dichloropropane	0.284	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	2-Butanone	0.572	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	2-Hexanone	0.160	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	4-Methyl-2-pentanone	143		ug/l	1
CG-9-1-S1-1000	B0J0684-05	8260B	Acetone	3.22	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Benzene	2.89		ug/l	7
CG-9-1-S1-1000	B0J0684-05	8260B	Bromodichloromethane	0.0360	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Bromoform	0.0290	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Bromomethane	0.304	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Carbon disulfide	0.0930	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Carbon tetrachloride	0.0530	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Chlorobenzene	8.39		ug/l	2
CG-9-1-S1-1000	B0J0684-05	8260B	Chloroethane	21.7		ug/l	11
CG-9-1-S1-1000	B0J0684-05	8260B	Chloroform	0.0440	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Chloromethane	0.143	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	cis-1,2-Dichloroethene	598	D	ug/l	3
CG-9-1-S1-1000	B0J0684-05	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Dibromochloromethane	0.0340	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Ethylbenzene	3360	D	ug/l	2
CG-9-1-S1-1000	B0J0684-05	8260B	m,p-Xylene	9250	D	ug/l	0



2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-1000	B0J0684-05	8260B	Methylene chloride	13.8		ug/l	4
CG-9-1-S1-1000	B0J0684-05	8260B	Naphthalene	42.3		ug/l	10
CG-9-1-S1-1000	B0J0684-05	8260B	o-Xylene	1860	D	ug/l	1
CG-9-1-S1-1000	B0J0684-05	8260B	Styrene	0.0220	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Tetrachloroethene	1.64		ug/l	17
CG-9-1-S1-1000	B0J0684-05	8260B	Toluene	29600	D	ug/l	1
CG-9-1-S1-1000	B0J0684-05	8260B	trans-1,2-Dichloroethene	16.7		ug/l	2
CG-9-1-S1-1000	B0J0684-05	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Trichloroethene	1.18		ug/l	16
CG-9-1-S1-1000	B0J0684-05	8260B	Trichlorofluoromethane	1.22		ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8260B	Vinyl chloride	76.8		ug/l	3
CG-1-S1-1000	B0J0684-04	8270C	1,2,4-Trichlorobenzene	1.26	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	1,2-Dichlorobenzene	14.8		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	1,3-Dichlorobenzene	3.08	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	1,4-Dichlorobenzene	3.08	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4,6-Trichlorophenol	1.13	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4-Dichlorophenol	2.07	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4-Dimethylphenol	10.8		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4-Dinitrophenol	27.2		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,4-Dinitrotoluene	0.460	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2,6-Dinitrotoluene	0.814	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Chloronaphthalene	0.819	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Chlorophenol	0.516	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Methylnaphthalene	5.15	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Methylphenol	43.9		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Nitroaniline	1.70	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	2-Nitrophenol	1.45	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	3 & 4-Methylphenol	71		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1000	B0J0684-04	8270C	3-Nitroaniline	5.07	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Chloroaniline	3.44	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Nitroaniline	1.70	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	4-Nitrophenol	7.71	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Acenaphthene	0.593	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Acenaphthylene	0.884	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Aniline	3.75	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Anthracene	0.800	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzo (a) anthracene	1.17	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzo (a) pyrene	0.659	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzo (b) fluoranthene	1.15	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzo (ghi) perylene	0.595	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzo (k) fluoranthene	0.794	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzoic Acid	37		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Benzyl alcohol	1.44	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Bis(2-chloroethoxy)methane	1.38	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Bis(2-chloroethyl)ether	5.53	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Bis(2-chloroisopropyl)ether	0.780	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Bis(2-ethylhexyl)phthalate	2.42	JB	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Butyl benzyl phthalate	0.923	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Carbazole	1.25	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Chrysene	0.927	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Di-n-butyl phthalate	0.858	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Di-n-octyl phthalate	0.550	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Dibenz (a,h) anthracene	1.05	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Dibenzofuran	0.615	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Diethyl phthalate	0.426	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Dimethyl phthalate	0.318	U	ug/l	

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1000	B0J0684-04	8270C	Fluoranthene	0.687	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Fluorene	1.00	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Hexachlorobenzene	0.563	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Hexachlorobutadiene	1.33	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Hexachlorocyclopentadiene	11.5		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Hexachloroethane	8.27	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Indeno (1,2,3-cd) pyrene	0.652	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Isophorone	1.32	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	N-Nitrosodi-n-propylamine	2.24	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	N-Nitrosodiphenylamine	0.802	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Naphthalene	24.3		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Nitrobenzene	1.16	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Pentachlorophenol	3.24	J	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Phenanthrene	0.518	U	ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Phenol	117		ug/l	
CG-1-S1-1000	B0J0684-04	8270C	Pyrene	0.747	U	ug/l	
CG-9-1-S1-1000	B0J0684-05	8270C	1,2,4-Trichlorobenzene	1.26	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	1,2-Dichlorobenzene	14.9		ug/l	1
CG-9-1-S1-1000	B0J0684-05	8270C	1,3-Dichlorobenzene	1.14	U	ug/l	92
CG-9-1-S1-1000	B0J0684-05	8270C	1,4-Dichlorobenzene	2.96	J	ug/l	4
CG-9-1-S1-1000	B0J0684-05	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2,4,6-Trichlorophenol	1.13	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2,4-Dichlorophenol	2.07	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2,4-Dimethylphenol	28		ug/l	89
CG-9-1-S1-1000	B0J0684-05	8270C	2,4-Dinitrophenol	1.26	U	ug/l	--
CG-9-1-S1-1000	B0J0684-05	8270C	2,4-Dinitrotoluene	0.460	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2,6-Dinitrotoluene	0.814	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2-Chloronaphthalene	0.819	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2-Chlorophenol	0.516	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	2-Methylnaphthalene	4.15	J	ug/l	22
CG-9-1-S1-1000	B0J0684-05	8270C	2-Methylphenol	42.2		ug/l	4
CG-9-1-S1-1000	B0J0684-05	8270C	2-Nitroaniline	1.70	U	ug/l	0

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-1000	B0J0684-05	8270C	2-Nitrophenol	1.45	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	3 & 4-Methylphenol	101		ug/l	35
CG-9-1-S1-1000	B0J0684-05	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	3-Nitroaniline	2.25	U	ug/l	77
CG-9-1-S1-1000	B0J0684-05	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Chloroaniline	3.44	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Nitroaniline	1.70	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	4-Nitrophenol	1.87	U	ug/l	122
CG-9-1-S1-1000	B0J0684-05	8270C	Acenaphthene	0.593	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Acenaphthylene	0.884	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Aniline	3.75	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Anthracene	0.800	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzo (a) anthracene	1.17	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzo (a) pyrene	0.659	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzo (b) fluoranthene	1.15	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzo (ghi) perylene	0.595	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzo (k) fluoranthene	0.794	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Benzoic Acid	152		ug/l	122
CG-9-1-S1-1000	B0J0684-05	8270C	Benzyl alcohol	1.44	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	93
CG-9-1-S1-1000	B0J0684-05	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	158
CG-9-1-S1-1000	B0J0684-05	8270C	Bis(2-chloroisopropyl)ether	0.780	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Bis(2-ethylhexyl)phthalate	1.7	JB	ug/l	35
CG-9-1-S1-1000	B0J0684-05	8270C	Butyl benzyl phthalate	0.923	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Carbazole	1.25	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Chrysene	0.927	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Di-n-butyl phthalate	0.858	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Di-n-octyl phthalate	0.550	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Dibenz (a,h) anthracene	1.05	U	ug/l	0

2000 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-1000	B0J0684-05	8270C	Dibenzofuran	0.615	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Diethyl phthalate	0.426	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Dimethyl phthalate	0.318	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Fluoranthene	0.687	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Fluorene	1.00	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Hexachlorobenzene	0.563	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Hexachlorobutadiene	1.33	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Hexachlorocyclopentadiene	1.37	U	ug/l	157
CG-9-1-S1-1000	B0J0684-05	8270C	Hexachloroethane	1.38	U	ug/l	143
CG-9-1-S1-1000	B0J0684-05	8270C	Indeno (1,2,3-cd) pyrene	0.652	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Isophorone	1.32	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	151
CG-9-1-S1-1000	B0J0684-05	8270C	N-Nitrosodiphenylamine	0.802	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Naphthalene	21.7		ug/l	11
CG-9-1-S1-1000	B0J0684-05	8270C	Nitrobenzene	1.05	U	ug/l	10
CG-9-1-S1-1000	B0J0684-05	8270C	Pentachlorophenol	0.971	U	ug/l	108
CG-9-1-S1-1000	B0J0684-05	8270C	Phenanthrene	0.518	U	ug/l	0
CG-9-1-S1-1000	B0J0684-05	8270C	Phenol	108		ug/l	8
CG-9-1-S1-1000	B0J0684-05	8270C	Pyrene	0.747	U	ug/l	0
CG-1-S1-1000	B0J0684-04	NWTPH-Dx	Diesel Range Hydrocarbons	3.15		mg/l	
CG-1-S1-1000	B0J0684-04	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.322	J	mg/l	
CG-9-1-S1-1000	B0J0684-05	NWTPH-Dx	Diesel Range Hydrocarbons	4.51		mg/l	36
CG-9-1-S1-1000	B0J0684-05	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.387	J	mg/l	18
CG-1-S1-1000	B0J0684-04	NWTPH-Gx	Gasoline Range Hydrocarbons	75100	D	ug/l	
CG-9-1-S1-1000	B0J0684-05	NWTPH-Gx	Gasoline Range Hydrocarbons	72900	D	ug/l	3

CG001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S2-0201	B1B0402-02	300.0	Chloride	7.48		mg/l	
CG-105-S2-0201	B1B0402-02	300.0	Nitrate-Nitrogen	0.00400	U	mg/L	
CG-105-S2-0201	B1B0402-02	300.0	Nitrite-Nitrogen	0.00380	U	mg/l	
CG-105-S2-0201	B1B0402-02	300.0	Sulfate	0.0480	U	mg/l	
CG-9-105-S2-020	B1B0402-03	300.0	Chloride	7.62		mg/l	2
CG-9-105-S2-020	B1B0402-03	300.0	Nitrate-Nitrogen	0.00400	U	mg/L	0
CG-9-105-S2-020	B1B0402-03	300.0	Nitrite-Nitrogen	0.00380	U	mg/l	0
CG-9-105-S2-020	B1B0402-03	300.0	Sulfate	0.0480	U	mg/l	0
CG-105-S2-0201	B1B0402-02	310.1	Total Alkalinity	138		mg/L	
CG-9-105-S2-020	B1B0402-03	310.1	Total Alkalinity	135		mg/L	2
CG-105-S2-0201	B1B0402-02	3500-Fe D	Ferrous Iron	7.02	D	mg/l	
CG-9-105-S2-020	B1B0402-03	3500-Fe D	Ferrous Iron	7.43	D	mg/l	6
CG-105-S2-0201	B1B0402-02	3500-Fe D	Ferric Iron	12.7		mg/l	
CG-9-105-S2-020	B1B0402-03	3500-Fe D	Ferric Iron	12.7		mg/l	0
CG-105-S2-0201	B1B0402-02	415.1	Total Organic Carbon	11.8	D	mg/l	
CG-9-105-S2-020	B1B0402-03	415.1	Total Organic Carbon	12.2	D	mg/l	3
CG-105-S2-0201	B1B0402-02	4500-CO2 C	Carbon dioxide	52.8		mg/l	
CG-9-105-S2-020	B1B0402-03	4500-CO2 C	Carbon dioxide	52.8		mg/l	0
CG-105-S2-0201	B1B0402-02	6020	Manganese	0.327		mg/l	
CG-9-105-S2-020	B1B0402-03	6020	Manganese	0.332		mg/l	-2
CG-105-S2-0201	B1B0402-02	6020	Manganese	0.361		mg/l	
CG-9-105-S2-020	B1B0402-03	6020	Manganese	0.358		mg/l	1

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S2-0201	B1B0402-02	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Trichloro-1,2,2-trifluoroethane	0.0660	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1-Dichloroethane	0.0370	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1-Dichloroethene	0.0590	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,1-Dichloropropene	0.0520	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2,3-Trichloropropane	0.0290	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2,4-Trimethylbenzene	13.2		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Dibromo-3-chloropropane	0.0540	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Dibromoethane	0.0340	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Dichlorobenzene	1.13		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Dichloroethane	0.0330	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,2-Dichloropropane	0.0340	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,3-Dichloropropane	0.0230	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	2,2-Dichloropropane	0.284	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	2-Butanone	0.572	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	2-Hexanone	0.160	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Acetone	3.22	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Benzene	2.46		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Bromodichloromethane	0.0360	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Bromoform	0.0290	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Bromomethane	0.304	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Carbon disulfide	0.0930	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Carbon tetrachloride	0.0530	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Chlorobenzene	0.0450	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Chloroethane	20.7		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Chloroform	0.0440	U	ug/l	



2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S2-0201	B1B0402-02	8260B	Chloromethane	0.143	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Dibromochloromethane	0.0340	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Ethylbenzene	2.5		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	m,p-Xylene	4.07		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Methylene chloride	25.5		ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Naphthalene	0.682	J	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	o-Xylene	0.8	J	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Styrene	0.0220	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Tetrachloroethene	0.0600	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Toluene	0.0380	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Trichloroethene	0.0480	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Trichlorofluoromethane	0.113	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Vinyl acetate	0.219	U	ug/l	
CG-105-S2-0201	B1B0402-02	8260B	Vinyl chloride	0.102	U	ug/l	
CG-9-105-S2-020	B1B0402-03	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Trichloro-1,2,2-trifluoroethan	0.0660	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1-Dichloroethane	0.0370	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1-Dichloroethene	0.0590	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,1-Dichloropropene	0.0520	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2,3-Trichloropropane	0.0290	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2,4-Trimethylbenzene	13.1		ug/l	1
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Dibromo-3-chloropropane	0.0540	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Dibromoethane	0.0340	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Dichlorobenzene	1.08		ug/l	5

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Dichloroethane	0.0330	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,2-Dichloropropane	0.0340	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,3-Dichloropropane	0.0230	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	2,2-Dichloropropane	0.284	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	2-Butanone	0.572	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	2-Hexanone	0.160	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Acetone	3.22	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Benzene	2.7		ug/l	-9
CG-9-105-S2-020	B1B0402-03	8260B	Bromodichloromethane	0.0360	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Bromoform	0.0290	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Bromomethane	0.304	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Carbon disulfide	0.0930	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Carbon tetrachloride	0.0530	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Chlorobenzene	0.0450	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Chloroethane	23.4		ug/l	12
CG-9-105-S2-020	B1B0402-03	8260B	Chloroform	0.0440	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Chloromethane	0.143	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	cis-1,2-Dichloroethene	2.07		ug/l	--
CG-9-105-S2-020	B1B0402-03	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Dibromochloromethane	0.0340	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Ethylbenzene	2.86		ug/l	13
CG-9-105-S2-020	B1B0402-03	8260B	m,p-Xylene	4.33		ug/l	6
CG-9-105-S2-020	B1B0402-03	8260B	Methylene chloride	42.3		ug/l	50
CG-9-105-S2-020	B1B0402-03	8260B	Naphthalene	0.618	J	ug/l	10
CG-9-105-S2-020	B1B0402-03	8260B	o-Xylene	0.81	J	ug/l	1
CG-9-105-S2-020	B1B0402-03	8260B	Styrene	0.0220	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Tetrachloroethene	0.0600	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Toluene	1.02		ug/l	--

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S2-020	B1B0402-03	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Trichloroethene	1.01		ug/l	--
CG-9-105-S2-020	B1B0402-03	8260B	Trichlorofluoromethane	0.113	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Vinyl acetate	0.219	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8260B	Vinyl chloride	0.102	U	ug/l	0
CG-2-I-0201	B1C0084-01	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Trichloro-1,2,2-trifluoroethane	0.0660	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1-Dichloroethane	0.0370	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1-Dichloroethene	0.0590	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,1-Dichloropropene	0.0520	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2,3-Trichloropropene	0.0290	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2,4-Trimethylbenzene	0.0350	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Dibromo-3-chloropropane	0.0540	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Dibromoethane	0.0340	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Dichloroethane	0.0330	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,2-Dichloropropene	0.0340	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,3-Dichloropropane	0.0230	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	2,2-Dichloropropene	0.284	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	2-Butanone	0.572	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	2-Hexanone	0.160	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Acetone	3.22	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Benzene	0.0410	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Bromodichloromethane	0.0360	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-2-I-0201	B1C0084-01	8260B	Bromoform	0.0290	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Bromomethane	0.304	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Carbon disulfide	0.0930	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Carbon tetrachloride	0.0530	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Chlorobenzene	0.0450	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Chloroethane	0.153	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Chloroform	0.0440	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Chloromethane	0.143	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Dibromochloromethane	0.0340	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Ethylbenzene	0.0480	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	m,p-Xylene	0.114	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Methylene chloride	0.902	JB	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Naphthalene	0.0330	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	o-Xylene	0.0260	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Styrene	0.0220	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Tetrachloroethene	0.0600	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Toluene	0.0380	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Trichloroethene	0.0480	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Trichlorofluoromethane	0.113	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Vinyl acetate	0.219	U	ug/l	
CG-2-I-0201	B1C0084-01	8260B	Vinyl chloride	0.102	U	ug/l	
CG-9-2-I-0201	B1C0084-02	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,1,1-Trichloroethane	0.358	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Trichloro-1,2,2-trifluoroethane	0.0660	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,1-Dichloroethane	0.0370	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-2-I-0201	B1C0084-02	8260B	1,1-Dichloroethene	0.0590	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,1-Dichloropropene	0.0520	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2,3-Trichloropropane	0.0290	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2,4-Trimethylbenzene	0.0350	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Dibromo-3-chloropropane	0.0540	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Dibromoethane	0.0340	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Dichloroethane	0.0330	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,2-Dichloropropane	0.0340	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,3-Dichloropropane	0.0230	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	2,2-Dichloropropane	0.284	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	2-Butanone	0.572	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	2-Hexanone	0.160	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	4-Methyl-2-pentanone	0.224	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Acetone	3.22	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Benzene	0.0410	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Bromodichloromethane	0.0360	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Bromoform	0.0290	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Bromomethane	0.304	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Carbon disulfide	0.0930	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Carbon tetrachloride	0.0530	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Chlorobenzene	0.0450	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Chloroethane	0.153	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Chloroform	0.0440	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Chloromethane	0.143	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Dibromochloromethane	0.0340	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Dichlorodifluoromethane	0.0630	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Ethylbenzene	0.0480	U	ug/l	0

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-2-I-0201	B1C0084-02	8260B	m,p-Xylene	0.114	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Methylene chloride	1.65	JB	ug/l	59
CG-9-2-I-0201	B1C0084-02	8260B	Naphthalene	0.0330	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	o-Xylene	0.0260	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Styrene	0.0220	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Tetrachloroethene	0.0600	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Toluene	0.0380	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Trichloroethene	0.0480	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Trichlorofluoromethane	0.113	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Vinyl acetate	0.219	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	8260B	Vinyl chloride	0.102	U	ug/l	0
CG-105-S2-0201	B1B0402-02	8270C	1,2,4-Trichlorobenzene	1.26	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	1,4-Dichlorobenzene	1.54	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4,6-Trichlorophenol	1.14	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4-Dichlorophenol	2.07	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4-Dimethylphenol	2.30	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4-Dinitrophenol	1.26	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2,4-Dinitrotoluene	0.460	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2-Chlorophenol	0.516	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2-Methylphenol	0.782	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	2-Nitrophenol	1.45	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	3 & 4-Methylphenol	1.95	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	4-Nitrophenol	1.87	U	ug/l	

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S2-0201	B1B0402-02	8270C	Acenaphthene	0.593	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Benzidine	10.0	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Benzyl alcohol	1.44	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Pentachlorophenol	1.95	J	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Phenol	3.48	J	ug/l	
CG-105-S2-0201	B1B0402-02	8270C	Pyrene	0.747	U	ug/l	
CG-9-105-S2-020	B1B0402-03	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2,4,6-Trichlorophenol	1.14	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2,4-Dichlorophenol	2.07	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2,4-Dimethylphenol	2.30	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2,4-Dinitrophenol	1.26	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2-Chlorophenol	0.516	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2-Methylphenol	0.782	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	2-Nitrophenol	1.45	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	3 & 4-Methylphenol	1.95	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	4-Nitrophenol	1.87	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Benzidine	10.0	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Benzyl alcohol	1.44	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Pentachlorophenol	0.971	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	8270C	Phenol	4.48	J	ug/l	25



2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-2-I-0201	b1c0084-01	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2,4,6-Trichlorophenol	1.14	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2,4-Dichlorophenol	2.07	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2,4-Dimethylphenol	2.30	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2,4-Dinitrophenol	1.26	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2-Chlorophenol	0.516	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2-Methylphenol	0.782	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	2-Nitrophenol	1.45	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	3 & 4-Methylphenol	1.95	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	4-Nitrophenol	1.87	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Benzidine	10.0	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Benzyl alcohol	1.44	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Pentachlorophenol	0.971	U	ug/l	
CG-2-I-0201	b1c0084-01	8270C	Phenol	1.38	U	ug/l	
CG-9-2-I-0201	B1c0084-02	8270C	2,4,5-Trichlorophenol	2.03	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2,4,6-Trichlorophenol	1.14	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2,4-Dichlorophenol	2.07	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2,4-Dimethylphenol	2.30	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2,4-Dinitrophenol	1.26	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2-Chlorophenol	0.516	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2-Methylphenol	0.782	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	2-Nitrophenol	1.45	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	3 & 4-Methylphenol	1.95	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	3,3'-Dichlorobenzidine	2.41	U	ug/l	0

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-2-I-0201	B1c0084-02	8270C	4,6-Dinitro-2-methylphenol	0.779	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	4-Bromophenyl phenyl ether	0.709	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	4-Chloro-3-methylphenol	0.937	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	4-Chlorophenyl phenyl ether	0.373	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	4-Nitrophenol	1.87	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Benzidine	10.0	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Benzyl alcohol	1.44	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Bis(2-chloroethoxy)methane	0.504	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Bis(2-chloroethyl)ether	0.642	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	N-Nitrosodi-n-propylamine	0.316	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Pentachlorophenol	0.971	U	ug/l	0
CG-9-2-I-0201	B1c0084-02	8270C	Phenol	1.38	U	ug/l	0
CG-105-S2-0201	B1B0402-02	9010B	Cyanide (total)	0.0189		mg/l	
CG-9-105-S2-020	B1B0402-03	9010B	Cyanide (total)	0.0199		mg/l	5
CG-2-I-0201	B1C0084-01	9010B	Cyanide (total)	0.00290	U	mg/l	
CG-9-2-I-0201	B1C0084-02	9010B	Cyanide (total)	0.00290	U	mg/l	0
CG-105-S2-0201	B1B0402-02	9030B	Sulfide	4.00	U	mg/l	
CG-9-105-S2-020	B1B0402-03	9030B	Sulfide	4.00	U	mg/l	0
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Acenaphthene	0.0537	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Acenaphthylene	0.0654	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Anthracene	0.0563	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Benzo (a) anthracene	0.0420	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Benzo (a) pyrene	0.0585	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Benzo (b) fluoranthene	0.0649	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Benzo (ghi) perylene	0.0482	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Benzo (k) fluoranthene	0.0707	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Chrysene	0.0537	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Dibenz (a,h) anthracene	0.0453	U	ug/l	

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Fluoranthene	0.0537	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Fluorene	0.0695	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Indeno (1,2,3-cd) pyrene	0.0386	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Naphthalene	0.284		ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Phenanthrene	0.0420	U	ug/l	
CG-105-S2-0201	B1B0402-02	GCMS-SIM	Pyrene	0.0409	U	ug/l	
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Acenaphthene	0.0537	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Acenaphthylene	0.0654	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Anthracene	0.0563	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Benzo (a) anthracene	0.0420	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Benzo (a) pyrene	0.0585	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Benzo (b) fluoranthene	0.0649	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Benzo (ghi) perylene	0.0482	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Benzo (k) fluoranthene	0.0707	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Chrysene	0.0537	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Dibenz (a,h) anthracene	0.0453	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Fluoranthene	0.0537	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Fluorene	0.0695	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Indeno (1,2,3-cd) pyrene	0.0386	U	ug/l	0
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Naphthalene	0.414		ug/l	
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Phenanthrene	0.0420	U	ug/l	
CG-9-105-S2-020	B1B0402-03	GCMS-SIM	Pyrene	0.0409	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Acenaphthene	0.0537	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Acenaphthylene	0.0654	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Anthracene	0.0563	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Benzo (a) anthracene	0.0420	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Benzo (a) pyrene	0.0585	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Benzo (b) fluoranthene	0.0649	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Benzo (ghi) perylene	0.0482	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Benzo (k) fluoranthene	0.0707	U	ug/l	
CG-2-1-0201	B1C0084-01	GCMS-SIM	Chrysene	0.0537	U	ug/l	

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-2-I-0201	B1C0084-01	GCMS-SIM	Dibenz (a,h) anthracene	0.0453	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Fluoranthene	0.0537	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Fluorene	0.0695	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Indeno (1,2,3-cd) pyrene	0.0386	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Naphthalene	0.0453	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Phenanthrene	0.0420	U	ug/l	
CG-2-I-0201	B1C0084-01	GCMS-SIM	Pyrene	0.0409	U	ug/l	
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Acenaphthene	0.0537	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Acenaphthylene	0.0654	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Anthracene	0.0563	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Benzo (a) anthracene	0.0420	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Benzo (a) pyrene	0.0585	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Benzo (b) fluoranthene	0.0649	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Benzo (ghi) perylene	0.0482	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Benzo (k) fluoranthene	0.0707	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Chrysene	0.0537	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Dibenz (a,h) anthracene	0.0453	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Fluoranthene	0.0537	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Fluorene	0.0695	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Indeno (1,2,3-cd) pyrene	0.0386	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Naphthalene	0.0453	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Phenanthrene	0.0420	U	ug/l	0
CG-9-2-I-0201	B1C0084-02	GCMS-SIM	Pyrene	0.0409	U	ug/l	0
CG-105-S2-0201	B1B0402-02	NWTPH-Dx	Diesel Range Hydrocarbons	0.976		mg/l	
CG-105-S2-0201	B1B0402-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.194	JB	mg/l	
CG-9-105-S2-020	B1B0402-03	NWTPH-Dx	Diesel Range Hydrocarbons	1.01		mg/l	3
CG-9-105-S2-020	B1B0402-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.3	JB	mg/l	43

2001 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-2-I-0201	B1C0084-01	NWTPH-Dx	Diesel Range Hydrocarbons	0.0766	JB	mg/l	
CG-2-I-0201	B1C0084-01	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.048	J	mg/l	
CG-9-2-I-0201	B1C0084-02	NWTPH-Dx	Diesel Range Hydrocarbons	0.104	JB	mg/l	30
CG-9-2-I-0201	B1C0084-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0601	J	mg/l	22
CG-105-S2-0201	B1B0402-02	NWTPH-Gx	Gasoline Range Hydrocarbons	185		ug/l	
CG-9-105-S2-020	B1B0402-03	NWTPH-Gx	Gasoline Range Hydrocarbons	173		ug/l	7
CG-2-I-0201	B1C0084-01	NWTPH-Gx	Gasoline Range Hydrocarbons	12.1	J	ug/l	
CG-9-2-I-0201	B1C0084-02	NWTPH-Gx	Gasoline Range Hydrocarbons	10.2	J	ug/l	17
CG-105-S2-0201	B1B0402-02	RSK 175	Ethane	71.9		ug/l	
CG-105-S2-0201	B1B0402-02	RSK 175	Ethene	0.500	U	ug/l	
CG-105-S2-0201	B1B0402-02	RSK 175	Methane	7230		ug/l	
CG-9-105-S2-020	B1B0402-03	RSK 175	Ethane	73.3		ug/l	-2
CG-9-105-S2-020	B1B0402-03	RSK 175	Ethene	7.65	J	ug/l	--
CG-9-105-S2-020	B1B0402-03	RSK 175	Methane	6900		ug/l	5

2001 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0501	B1E0348-02	6020	Arsenic	0.00227		mg/l	
CG-1-S1-0501	B1E0348-02	6020	Barium	0.000240	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Cadmium	0.000110	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Chromium	0.000110	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Copper	0.00168		mg/l	
CG-1-S1-0501	B1E0348-02	6020	Lead	0.00113		mg/l	
CG-1-S1-0501	B1E0348-02	6020	Nickel	0.000180	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Selenium	0.000190	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Silver	0.000170	U	mg/l	
CG-1-S1-0501	B1E0348-02	6020	Vanadium	0.00165		mg/l	
CG-1-S1-0501	B1E0348-02	6020	Zinc	0.00217	UB	mg/l	
CG-9-1-S1-0501	B1E0348-03	6020	Arsenic	0.0022		mg/l	3
CG-9-1-S1-0501	B1E0348-03	6020	Barium	0.000240	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Cadmium	0.000110	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Chromium	0.000110	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Copper	0.00134		mg/l	23
CG-9-1-S1-0501	B1E0348-03	6020	Lead	0.00108		mg/l	5
CG-9-1-S1-0501	B1E0348-03	6020	Nickel	0.000180	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Selenium	0.000190	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Silver	0.000170	U	mg/l	0
CG-9-1-S1-0501	B1E0348-03	6020	Vanadium	0.0015		mg/l	10
CG-9-1-S1-0501	B1E0348-03	6020	Zinc	0.00217	U	mg/l	0
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1016	0.233	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1221	0.200	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1232	0.142	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1242	0.104	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1248	0.0850	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1254	0.115	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1260	0.0640	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1262	0.120	U	ug/l	
CG-1-S1-0501	B1E0348-02	8082	Aroclor 1268	0.0650	U	ug/l	

2001 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1016	0.233	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1221	0.200	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1232	0.142	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1242	0.104	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1248	0.0850	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1254	0.115	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1260	0.0640	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1262	0.120	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8082	Aroclor 1268	0.0650	U	ug/l	0
CG-1-S1-0501	B1E0348-02	8260B	1,1,1,2-Tetrachloroethane	0.139	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1,1-Trichloroethane	439	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1,2,2-Tetrachloroethane	0.132	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	14.7		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1,2-Trichloroethane	0.266	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1-Dichloroethane	94.7		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1-Dichloroethene	21.9		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,1-Dichloropropene	0.164	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2,3-Trichloropropane	0.415	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2,4-Trimethylbenzene	344	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2-Dibromo-3-chloropropane	0.242	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2-Dibromoethane	0.131	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2-Dichlorobenzene	7.35		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2-Dichloroethane	17.1		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,2-Dichloropropane	0.214	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,3-Dichlorobenzene	0.125	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,3-Dichloropropane	0.147	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	1,4-Dichlorobenzene	0.148	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	2,2-Dichloropropane	0.238	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	2-Butanone	4.73	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	2-Hexanone	1.02	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	4-Methyl-2-pentanone	14.9		ug/l	



2001 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-0501	B1E0348-02	8260B	Acetone	1.98	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Benzene	0.139	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Bromodichloromethane	0.100	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Bromoform	0.159	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Bromomethane	0.397	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Carbon disulfide	6		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Carbon tetrachloride	0.151	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Chlorobenzene	0.232	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Chloroethane	3.77		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Chloroform	0.168	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Chloromethane	0.452	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	cis-1,2-Dichloroethene	229	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	cis-1,3-Dichloropropene	0.150	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Dibromochloromethane	0.164	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Dichlorodifluoromethane	0.222	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Ethylbenzene	631	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	m,p-Xylene	1680	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Methylene chloride	0.384	UB	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Naphthalene	9.42		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	o-Xylene	483	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Styrene	0.217	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Tetrachloroethene	0.155	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Toluene	7980	D	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	trans-1,2-Dichloroethene	9.2		ug/l	
CG-1-S1-0501	B1E0348-02	8260B	trans-1,3-Dichloropropene	0.241	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Trichloroethene	0.106	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Trichlorofluoromethane	0.148	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Vinyl acetate	0.418	U	ug/l	
CG-1-S1-0501	B1E0348-02	8260B	Vinyl chloride	16		ug/l	
CG-9-1-S1-0501	B1E0348-03	8260B	1,1,1,2-Tetrachloroethane	0.139	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,1,1-Trichloroethane	412	D	ug/l	6
CG-9-1-S1-0501	B1E0348-03	8260B	1,1,2,2-Tetrachloroethane	0.132	U	ug/l	0

2001 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0501	B1E0348-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	14.3		ug/l	3
CG-9-1-S1-0501	B1E0348-03	8260B	1,1,2-Trichloroethane	0.266	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,1-Dichloroethane	87.1		ug/l	8
CG-9-1-S1-0501	B1E0348-03	8260B	1,1-Dichloroethene	17.1		ug/l	25
CG-9-1-S1-0501	B1E0348-03	8260B	1,1-Dichloropropene	0.164	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,2,3-Trichloropropane	0.415	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,2,4-Trimethylbenzene	344	D	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,2-Dibromo-3-chloropropane	0.242	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,2-Dibromoethane	0.131	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,2-Dichlorobenzene	6.85		ug/l	7
CG-9-1-S1-0501	B1E0348-03	8260B	1,2-Dichloroethane	13.1		ug/l	26
CG-9-1-S1-0501	B1E0348-03	8260B	1,2-Dichloropropane	0.214	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,3-Dichlorobenzene	0.125	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,3-Dichloropropane	0.147	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	1,4-Dichlorobenzene	0.148	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	2,2-Dichloropropane	0.238	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	2-Butanone	4.73	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	2-Hexanone	1.02	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	4-Methyl-2-pentanone	11.5	U	ug/l	26
CG-9-1-S1-0501	B1E0348-03	8260B	Acetone	1.98	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Benzene	0.139	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Bromodichloromethane	0.100	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Bromoform	0.159	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Bromomethane	0.397	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Carbon disulfide	5.12		ug/l	16
CG-9-1-S1-0501	B1E0348-03	8260B	Carbon tetrachloride	0.151	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Chlorobenzene	0.232	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Chloroethane	3.56		ug/l	6
CG-9-1-S1-0501	B1E0348-03	8260B	Chloroform	0.168	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Chloromethane	0.452	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	cis-1,2-Dichloroethene	188	D	ug/l	20
CG-9-1-S1-0501	B1E0348-03	8260B	cis-1,3-Dichloropropene	0.150	U	ug/l	0

2001 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-0501	B1E0348-03	8260B	Dibromochloromethane	0.164	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Dichlorodifluoromethane	0.222	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Ethylbenzene	627	D	ug/l	1
CG-9-1-S1-0501	B1E0348-03	8260B	m,p-Xylene	1700	D	ug/l	1
CG-9-1-S1-0501	B1E0348-03	8260B	Methylene chloride	0.384	UB	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Naphthalene	9.92		ug/l	5
CG-9-1-S1-0501	B1E0348-03	8260B	o-Xylene	452	D	ug/l	7
CG-9-1-S1-0501	B1E0348-03	8260B	Styrene	0.217	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Tetrachloroethene	0.155	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Toluene	6970	D	ug/l	14
CG-9-1-S1-0501	B1E0348-03	8260B	trans-1,2-Dichloroethene	6.42		ug/l	36
CG-9-1-S1-0501	B1E0348-03	8260B	trans-1,3-Dichloropropene	0.241	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Trichloroethene	0.106	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Trichlorofluoromethane	0.148	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Vinyl acetate	0.418	U	ug/l	0
CG-9-1-S1-0501	B1E0348-03	8260B	Vinyl chloride	13.8		ug/l	15
CG-1-S1-0501	B1E0348-02	9010B	Cyanide (total)	0.00290	U	mg/l	
CG-9-1-S1-0501	B1E0348-03	9010B	Cyanide (total)	0.00290	U	mg/l	0
CG-1-S1-0501	B1E0348-02	NWTPH-Dx	Diesel Range Hydrocarbons	0.455		mg/l	
CG-1-S1-0501	B1E0348-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0320	UB	mg/l	
CG-9-1-S1-0501	B1E0348-03	NWTPH-Dx	Diesel Range Hydrocarbons	0.885		mg/l	64
CG-9-1-S1-0501	B1E0348-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0320	UB	mg/l	0
CG-1-S1-0501	B1E0348-02	NWTPH-Gx	Gasoline Range Hydrocarbons	22900	D	ug/l	
CG-9-1-S1-0501	B1E0348-03	NWTPH-Gx	Gasoline Range Hydrocarbons	24400	D	ug/l	6

31 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S1-0801	B1H0297-01	300.0	Chloride	38.7	D	mg/l	
CG-105-S1-0801	B1H0297-01	300.0	Nitrate-Nitrogen	0.100	U	mg/L	
CG-105-S1-0801	B1H0297-01	300.0	Nitrite-Nitrogen	0.100	U	mg/l	
CG-105-S1-0801	B1H0297-01	300.0	Sulfate	0.200	U	mg/l	
CG-9-105-S1-080	B1H0297-02	300.0	Chloride	40.7	D	mg/l	5
CG-9-105-S1-080	B1H0297-02	300.0	Nitrate-Nitrogen	0.100	U	mg/L	0
CG-9-105-S1-080	B1H0297-02	300.0	Nitrite-Nitrogen	0.100	U	mg/l	0
CG-9-105-S1-080	B1H0297-02	300.0	Sulfate	0.200	U	mg/l	0
CG-105-S1-0801	B1H0297-01	310.1	Total Alkalinity	108		mg/L	
CG-9-105-S1-080	B1H0297-02	310.1	Total Alkalinity	115		mg/L	6
CG-105-S1-0801	B1H0297-01	3500-Fe D	Ferric Iron	28.6	J	mg/l	
CG-105-S1-0801	B1H0297-01	3500-Fe D	Ferrous Iron	62.2	DJ	mg/l	
CG-9-105-S1-080	B1H0297-02	3500-Fe D	Ferric Iron	0.500	UJ	mg/l	--
CG-9-105-S1-080	B1H0297-02	3500-Fe D	Ferrous Iron	69.6	DJ	mg/l	11
CG-105-S1-0801	B1H0297-01	415.1	Total Organic Carbon	143	D	mg/l	
CG-9-105-S1-080	B1H0297-02	415.1	Total Organic Carbon	151	D	mg/l	5
CG-105-S1-0801	B1H0297-01	4500-CO2 C	Carbon dioxide	233		mg/l	
CG-9-105-S1-080	B1H0297-02	4500-CO2 C	Carbon dioxide	211		mg/l	10
CG-10-S1-0801	B1H0139-05	8260B	1,1,1-Trichloroethane	11.5		ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1-Dichloroethane	8.17		ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,1-Dichloropropene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,2,4-Trimethylbenzene	12.1		ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,2-Dichloroethane	1.00	U	ug/l	

CG-10 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-10-S1-0801	B1H0139-05	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	1,3-Dichloropropane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	2,2-Dichloropropane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	2-Butanone	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	2-Hexanone	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Acetone	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Benzene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Bromoform	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Bromomethane	2.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Carbon disulfide	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Chlorobenzene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Chloroform	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Chloromethane	5.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Ethylbenzene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	m,p-Xylene	2.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Methylene chloride	5.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Naphthalene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	o-Xylene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Styrene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Tetrachloroethene	3.65		ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Toluene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Trichloroethene	2.88		ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8260B	Vinyl acetate	5.00	U	ug/l	

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-10-S1-0801	B1H0139-05	8260B	Vinyl chloride	18.4		ug/l	
CG-10-S1-0801	B1H0139-05RE1	8260B	cis-1,2-Dichloroethene	259	D	ug/l	4
CG-9-10-S1-0801	B1H0139-08	8260B	1,1,1-Trichloroethane	12		ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,1-Dichloroethane	8.57		ug/l	5
CG-9-10-S1-0801	B1H0139-08	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,1-Dichloropropene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,2,4-Trimethylbenzene	11.5		ug/l	5
CG-9-10-S1-0801	B1H0139-08	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	1,3-Dichloropropane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	2,2-Dichloropropane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	2-Butanone	10.0		ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Acetone	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Benzene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Bromoform	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Chloroform	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	m,p-Xylene	2.00	U	ug/l	0

CG-101 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-10-S1-0801	B1H0139-08	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Styrene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Tetrachloroethene	3.57		ug/l	2
CG-9-10-S1-0801	B1H0139-08	8260B	Toluene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Trichloroethene	2.9		ug/l	1
CG-9-10-S1-0801	B1H0139-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8260B	Vinyl chloride	19.4		ug/l	5
CG-9-10-S1-0801	B1H0139-08RE1	8260B	cis-1,2-Dichloroethene	302	D	ug/l	15
CG-105-S1-0801	B1H0297-01	8260B	1,1,1-Trichloroethane	55.6		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	188	J	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	1,1-Dichloroethane	324	D	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,1-Dichloroethene	10.2		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,1-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	1,2,4-Trimethylbenzene	360	D	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,2-Dichloroethane	85.8		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,2-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	1,3-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	2,2-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	2-Butanone	356	J	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	2-Hexanone	28.3		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	4-Methyl-2-pentanone	670	J	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Acetone	182		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Benzene	18.6		ug/l	



20091 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S1-0801	B1H0297-01	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Bromoform	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Bromomethane	2.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Carbon disulfide	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Chlorobenzene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Chloroform	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Chloromethane	5.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Methylene chloride	41.8		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Naphthalene	47.7		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Styrene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	trans-1,2-Dichloroethene	7.39		ug/l	
CG-105-S1-0801	B1H0297-01	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Trichloroethene	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-105-S1-0801	B1H0297-01	8260B	Vinyl acetate	5.00	U	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	cis-1,2-Dichloroethene	2240	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	Ethylbenzene	1330	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	m,p-Xylene	4270	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	o-Xylene	970	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	Toluene	10500	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8260B	Vinyl chloride	566	D	ug/l	
CG-9-105-S1-080	B1H0297-02	8260B	1,1,1-Trichloroethane	46.4	D	ug/l	18
CG-9-105-S1-080	B1H0297-02	8260B	1,1,2-Tetrachloroethane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	154	D	ug/l	20
CG-9-105-S1-080	B1H0297-02	8260B	1,1,2-Trichloroethane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	1,1-Dichloroethane	356	D	ug/l	9
CG-9-105-S1-080	B1H0297-02	8260B	1,1-Dichloroethene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	1,1-Dichloropropene	20.0	UD	ug/l	--

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S1-080	B1H0297-02	8260B	1,2,4-Trimethylbenzene	583	D	ug/l	47
CG-9-105-S1-080	B1H0297-02	8260B	1,2-Dichloroethane	92.7	D	ug/l	8
CG-9-105-S1-080	B1H0297-02	8260B	1,2-Dichloropropane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	1,3-Dichloropropane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	2,2-Dichloropropane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	2-Butanone	357	D	ug/l	0
CG-9-105-S1-080	B1H0297-02	8260B	2-Chloroethylvinyl ether	100	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	2-Hexanone	200	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	4-Methyl-2-pentanone	711	D	ug/l	6
CG-9-105-S1-080	B1H0297-02	8260B	Acetone	200	UD	ug/l	9
CG-9-105-S1-080	B1H0297-02	8260B	Benzene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Bromodichloromethane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Bromoform	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Bromomethane	40.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Carbon disulfide	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Carbon tetrachloride	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Chlorobenzene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Chloroform	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Chloromethane	100	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	cis-1,3-Dichloropropene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Dibromochloromethane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Methylene chloride	100	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Naphthalene	59.5	D	ug/l	22
CG-9-105-S1-080	B1H0297-02	8260B	Styrene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Tetrachloroethene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	trans-1,2-Dichloroethene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	trans-1,3-Dichloropropene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Trichloroethene	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Trichlorofluoromethane	20.0	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02	8260B	Vinyl acetate	100	UD	ug/l	--
CG-9-105-S1-080	B1H0297-02RE1	8260B	cis-1,2-Dichloroethene	2550	D	ug/l	13
CG-9-105-S1-080	B1H0297-02RE1	8260B	Ethylbenzene	2050	D	ug/l	43

#01 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S1-080	B1H0297-02RE1	8260B	m,p-Xylene	6330	D	ug/l	39
CG-9-105-S1-080	B1H0297-02	8260B	o-Xylene	1310	D	ug/l	30
CG-9-105-S1-080	B1H0297-02RE1	8260B	Toluene	14100	D	ug/l	29
CG-9-105-S1-080	B1H0297-02	8260B	Vinyl chloride	769	D	ug/l	30
CG-10-S1-0801	B1H0139-05	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	--
CG-10-S1-0801	B1H0139-05	8270C	1,2-Dichlorobenzene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	1,3-Dichlorobenzene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	1,4-Dichlorobenzene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Methylnaphthalene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Methylphenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Nitroaniline	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	4-Nitrophenol	10.0	U	ug/l	

001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-10-S1-0801	B1H0139-05	8270C	Acenaphthene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Acenaphthylene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Acetophenone	1.00	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Aniline	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Anthracene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzo (a) anthracene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzo (a) pyrene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzo (ghi) perylene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzoic Acid	20.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Carbazole	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Chrysene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Di-n-octyl phthalate	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Dibenzofuran	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Fluoranthene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Fluorene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Hexachlorobenzene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Hexachlorobutadiene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Hexachloroethane	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	

-001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-10-S1-0801	B1H0139-05	8270C	Isophorone	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Naphthalene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Nitrobenzene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Pentachlorophenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Phenanthrene	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Phenol	10.0	U	ug/l	
CG-10-S1-0801	B1H0139-05	8270C	Pyrene	10.0	U	ug/l	
CG-9-10-S1-0801	B1H0139-08	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	1,2-Dichlorobenzene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	1,3-Dichlorobenzene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	1,4-Dichlorobenzene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Methylnaphthalene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-10-S1-0801	B1H0139-08	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4-Nitroaniline	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Acenaphthylene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Acetophenone	1.00	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Aniline	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Anthracene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzo (a) anthracene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzo (a) pyrene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzo (ghi) perylene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzoic Acid	20.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Carbazole	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Chrysene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Fluorene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Hexachlorobenzene	10.0	U	ug/l	0

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-10-S1-0801	B1H0139-08	8270C	Hexachlorobutadiene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Hexachloroethane	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Isophorone	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Naphthalene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Nitrobenzene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Pentachlorophenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Phenol	10.0	U	ug/l	0
CG-9-10-S1-0801	B1H0139-08	8270C	Pyrene	10.0	U	ug/l	0
CG-105-S1-0801	B1H0297-01RE1	8270C	1,2,4-Trichlorobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	1,2-Dichlorobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	1,3-Dichlorobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	1,4-Dichlorobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4,5-Trichlorophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4,6-Trichlorophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4-Dichlorophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4-Dimethylphenol	595	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4-Dinitrophenol	200	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,4-Dinitrotoluene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2,6-Dinitrotoluene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Chloronaphthalene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Chlorophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Methylnaphthalene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Methylphenol	247	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Nitroaniline	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	2-Nitrophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	3 & 4-Methylphenol	873	D	ug/l	

200% third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S1-0801	B1H0297-01RE1	8270C	3,3'-Dichlorobenzidine	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	3-Nitroaniline	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4,6-Dinitro-2-methylphenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Bromophenyl phenyl ether	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Chloro-3-methylphenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Chloroaniline	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Chlorophenyl phenyl ether	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Nitroaniline	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	4-Nitrophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Acenaphthene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Acenaphthylene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Acetophenone	10.0	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Aniline	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Anthracene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzo (a) anthracene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzo (a) pyrene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzo (b) fluoranthene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzo (ghi) perylene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzo (k) fluoranthene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzoic Acid	4270	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Benzyl alcohol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Bis(2-chloroethoxy)methane	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Bis(2-chloroethyl)ether	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Bis(2-chloroisopropyl)ether	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Bis(2-ethylhexyl)phthalate	500	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Butyl benzyl phthalate	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Carbazole	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Chrysene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Di-n-butyl phthalate	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Di-n-octyl phthalate	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Dibenz (a,h) anthracene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Dibenzofuran	100	UD	ug/l	



2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S1-0801	B1H0297-01RE1	8270C	Diethyl phthalate	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Dimethyl phthalate	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Fluoranthene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Fluorene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Hexachlorobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Hexachlorobutadiene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Hexachlorocyclopentadiene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Hexachloroethane	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Indeno (1,2,3-cd) pyrene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Isophorone	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	N-Nitrosodi-n-propylamine	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	N-Nitrosodiphenylamine	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Naphthalene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Nitrobenzene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Pentachlorophenol	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Phenanthrene	100	UD	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Phenol	2570	D	ug/l	
CG-105-S1-0801	B1H0297-01RE1	8270C	Pyrene	100	UD	ug/l	
CG-9-105-S1-080	B1H0297-02	8270C	1,2,4-Trichlorobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	1,2-Dichlorobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	1,3-Dichlorobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	1,4-Dichlorobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,4-Dichlorophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,4-Dimethylphenol	608	D	ug/l	2
CG-9-105-S1-080	B1H0297-02	8270C	2,4-Dinitrophenol	20.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,4-Dinitrotoluene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2,6-Dinitrotoluene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2-Chloronaphthalene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2-Chlorophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2-Methylnaphthalene	10.0	UJ	ug/l	--

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S1-080	B1H0297-02	8270C	2-Methylphenol	203		ug/l	20
CG-9-105-S1-080	B1H0297-02	8270C	2-Nitroaniline	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	2-Nitrophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	3 & 4-Methylphenol	791	D	ug/l	10
CG-9-105-S1-080	B1H0297-02	8270C	3,3'-Dichlorobenzidine	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	3-Nitroaniline	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Bromophenyl phenyl ether	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Chloroaniline	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Chlorophenyl phenyl ether	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Nitroaniline	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	4-Nitrophenol	10.0	U	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Acenaphthene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Acenaphthylene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Acetophenone	1.00	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Aniline	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Anthracene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzo (a) anthracene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzo (a) pyrene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzo (b) fluoranthene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzo (ghi) perylene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzo (k) fluoranthene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Benzoic Acid	3960	D	ug/l	8
CG-9-105-S1-080	B1H0297-02	8270C	Benzyl alcohol	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Bis(2-chloroethoxy)methane	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Bis(2-chloroethyl)ether	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Bis(2-chloroisopropyl)ether	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Bis(2-ethylhexyl)phthalate	50.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Butyl benzyl phthalate	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Carbazole	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Chrysene	10.0	UJ	ug/l	--

2004 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-S1-080	B1H0297-02	8270C	Di-n-butyl phthalate	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Di-n-octyl phthalate	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Dibenz (a,h) anthracene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Dibenzofuran	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Diethyl phthalate	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Dimethyl phthalate	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Fluoranthene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Fluorene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Hexachlorobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Hexachlorobutadiene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Hexachlorocyclopentadiene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Hexachloroethane	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Indeno (1,2,3-cd) pyrene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Isophorone	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	N-Nitrosodi-n-propylamine	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	N-Nitrosodiphenylamine	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Naphthalene	47.7	J	ug/l	71
CG-9-105-S1-080	B1H0297-02	8270C	Nitrobenzene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Pentachlorophenol	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Phenanthrene	10.0	UJ	ug/l	--
CG-9-105-S1-080	B1H0297-02	8270C	Phenol	2420	DJ	ug/l	6
CG-9-105-S1-080	B1H0297-02	8270C	Pyrene	10.0	UJ	ug/l	--
CG-10-S1-0801	B1H0139-05	9010B	Cyanide (total)	0.0100	U	mg/l	--
CG-9-10-S1-0801	B1H0139-08	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-105-S1-0801	B1H0297-01	9010B	Cyanide (total)	0.0100	U	mg/l	--
CG-9-105-S1-080	B1H0297-02	9010B	Cyanide (total)	0.0141	U	mg/l	34
CG-104-S1-0801	B1H0262-01	9030B	Sulfide	20.0	U	mg/l	--
CG-9-104-S1-080	B1H0262-07	9030B	Sulfide	20.0	U	mg/l	0

2001 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-S1-0801	B1H0297-01	9030B	Sulfide	20.0	U	mg/l	
CG-9-105-S1-080	B1H0297-02	9030B	Sulfide	20.0	U	mg/l	0
CG-10-S1-0801	B1H0139-05	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-10-S1-0801	B1H0139-05	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-9-10-S1-0801	B1H0139-08	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-10-S1-0801	B1H0139-08	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-105-S1-0801	B1H0297-01	NWTPH-Dx	Diesel Range Hydrocarbons	22.8	D	mg/l	
CG-105-S1-0801	B1H0297-01	NWTPH-Dx	Lube Oil Range Hydrocarbons	2.50	UD	mg/l	
CG-9-105-S1-080	B1H0297-02	NWTPH-Dx	Diesel Range Hydrocarbons	20.7	D	mg/l	10
CG-9-105-S1-080	B1H0297-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	2.50	UD	mg/l	0
CG-10-S1-0801	B1H0139-05	NWTPH-Gx	Gasoline Range Hydrocarbons	130		ug/l	
CG-9-10-S1-0801	B1H0139-08	NWTPH-Gx	Gasoline Range Hydrocarbons	121		ug/l	7
CG-105-S1-0801	B1H0297-01	NWTPH-Gx	Gasoline Range Hydrocarbons	44600	D	ug/l	
CG-9-105-S1-080	B1H0297-02	NWTPH-Gx	Gasoline Range Hydrocarbons	45600	D	ug/l	2
CG-105-S1-0801	B1H0297-01	RSK 175	Ethane	308		ug/l	
CG-105-S1-0801	B1H0297-01	RSK 175	Ethene	1030		ug/l	
CG-105-S1-0801	B1H0297-01	RSK 175	Methane	6380		ug/l	
CG-9-105-S1-080	B1H0297-02	RSK 175	Ethane	288		ug/l	7
CG-9-105-S1-080	B1H0297-02	RSK 175	Ethene	970		ug/l	6
CG-9-105-S1-080	B1H0297-02	RSK 175	Methane	6010		ug/l	6

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1101	B1K0164-04	7470A	Mercury	0.00100	U	mg/L	
CG-9-1-S1-1101	B1K0164-05	7470A	Mercury	0.00100	U	mg/L	0
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1016	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1221	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1232	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1242	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1248	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1254	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1260	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1262	0.500	U	ug/l	
CG-1-S1-1101	B1K0164-04	8082	Aroclor 1268	0.500	U	ug/l	
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1016	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1221	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1232	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1242	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1248	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1254	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1260	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1262	0.500	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8082	Aroclor 1268	0.500	U	ug/l	0
CG-1-S1-1101	B1K0164-04	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	15.4	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,1-Dichloroethene	2.08	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,2-Dichlorobenzene	15.5	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,2-Dichloroethane	6.18	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	1,4-Dichlorobenzene	2.96	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	2-Butanone	12.6	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-1-S1-1101	B1K0164-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	2-Hexanone	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	4-Methyl-2-pentanone	25.2	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Acetone	25.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Benzene	0.767	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Bromoform	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Bromomethane	2.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Carbon disulfide	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Chlorobenzene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Chloroethane	5.52	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Chloroform	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Chloromethane	5.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Methylene chloride	5.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Styrene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Tetrachloroethene	1.03	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Trichloroethene	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Vinyl acetate	5.00	U	ug/l	
CG-1-S1-1101	B1K0164-04	8260B	Vinyl chloride	24.2	U	ug/l	
CG-9-1-S1-1101	B1K0164-05	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	27.3	U	ug/l	56
CG-9-1-S1-1101	B1K0164-05	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	1,1-Dichloroethene	1.75	U	ug/l	17
CG-9-1-S1-1101	B1K0164-05	8260B	1,2-Dichlorobenzene	14.8	U	ug/l	5
CG-9-1-S1-1101	B1K0164-05	8260B	1,2-Dichloroethane	5.49	U	ug/l	12
CG-9-1-S1-1101	B1K0164-05	8260B	1,2-Dichloropropane	1.00	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-1-S1-1101	B1K0164-05	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	1,4-Dichlorobenzene	2.87		ug/l	3
CG-9-1-S1-1101	B1K0164-05	8260B	2-Butanone	11.3		ug/l	11
CG-9-1-S1-1101	B1K0164-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	4-Methyl-2-pentanone	22.7		ug/l	10
CG-9-1-S1-1101	B1K0164-05	8260B	Acetone	25.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Benzene	0.75		ug/l	2
CG-9-1-S1-1101	B1K0164-05	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Bromoform	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Chloroethane	5.36		ug/l	3
CG-9-1-S1-1101	B1K0164-05	8260B	Chloroform	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Styrene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Tetrachloroethene	1		ug/l	3
CG-9-1-S1-1101	B1K0164-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Trichloroethene	1.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Trichlorofluoromethane	27		ug/l	--
CG-9-1-S1-1101	B1K0164-05	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8260B	Vinyl chloride	22.4		ug/l	8
CG-1-S1-1101	B1K0164-04	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-1-S1-1101	B1K0164-04	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Methylnaphthalene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Methylphenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	3 & 4-Methylphenol	13.9	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Nitroaniline	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Acenaphthene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Acenaphthylene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Acetophenone	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Aniline	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Anthracene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzo (a) anthracene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzo (a) pyrene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzo (ghi) perylene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Benzoic Acid	41	U	ug/l	



2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentratio	Qualifier	Units	RPD
CG-1-S1-1101	B1K0164-04	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Carbazole	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Chrysene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Di-n-octyl phthalate	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Dibenzofuran	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Fluoranthene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Fluorene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Hexachlorobenzene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Hexachlorobutadiene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Hexachloroethane	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Isophorone	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Naphthalene	12.5		ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Nitrobenzene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Pentachlorophenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Phenanthrene	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Phenol	10.0	U	ug/l	
CG-1-S1-1101	B1K0164-04	8270C	Pyrene	10.0	U	ug/l	
CG-9-1-S1-1101	B1K0164-05	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1-S1-1101	B1K0164-05	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Methylnaphthalene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	3 & 4-Methylphenol	15.7	U	ug/l	12
CG-9-1-S1-1101	B1K0164-05	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Nitroaniline	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Acenaphthylene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Acetophenone	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Aniline	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Anthracene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Benzo (a) anthracene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Benzo (a) pyrene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Benzo (ghi) perylene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-1-S1-1101	B1K0164-05	8270C	Benzoic Acid	44		ug/l	7
CG-9-1-S1-1101	B1K0164-05	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Carbazole	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Chrysene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Fluorene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Hexachlorobenzene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Hexachlorobutadiene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Hexachloroethane	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Isophorone	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Naphthalene	12.6		ug/l	1
CG-9-1-S1-1101	B1K0164-05	8270C	Nitrobenzene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Pentachlorophenol	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-1-S1-1101	B1K0164-05	8270C	Phenol	17.5		ug/l	55
CG-9-1-S1-1101	B1K0164-05	8270C	Pyrene	10.0	U	ug/l	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-1-S1-1101	B1K0164-04	9010B	Cyanide (total)	0.0100	U	mg/L	
CG-9-1-S1-1101	B1K0164-05	9010B	Cyanide (total)	0.0100	U	mg/L	0
CG-1-S1-1101	B1K0164-04	9030B	Sulfide	20.0	U	mg/L	
CG-9-1-S1-1101	B1K0164-05	9030B	Sulfide	20.0	U	mg/L	0
CG-1-S1-1101	B1K0164-04	NWTPH-DX	Diesel Range Hydrocarbons	0.718	J	mg/L	
CG-1-S1-1101	B1K0164-04	NWTPH-DX	Lube Oil Range Hydrocarbons	0.500	U	mg/L	
CG-9-1-S1-1101	B1K0164-05	NWTPH-DX	Diesel Range Hydrocarbons	0.802	J	mg/L	11
CG-9-1-S1-1101	B1K0164-05	NWTPH-DX	Lube Oil Range Hydrocarbons	0.500	U	mg/L	0
CG-1-S1-1101	B1K0164-04	NWTPH-GX	Gasoline Range Hydrocarbons	29400	D	ug/l	
CG-9-1-S1-1101	B1K0164-05	NWTPH-GX	Gasoline Range Hydrocarbons	27600	D	ug/l	6
CG-1-S1-1101	B1K0164-04RE1	6020	Arsenic	0.0039		mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Barium	0.0100	U	mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Cadmium	0.00100	U	mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Chromium	0.00159		mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Copper	0.00162		mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Lead	0.00100	U	mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Nickel	0.00245		mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Selenium	0.00100	U	mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Vanadium	0.00213		mg/L	
CG-1-S1-1101	B1K0164-04RE1	6020	Zinc	0.0283		mg/L	
CG-9-1-S1-1101	B1K0164-05	6020	Arsenic	0.00443		mg/L	13
CG-9-1-S1-1101	B1K0164-05	6020	Barium	0.0100	U	mg/L	0
CG-9-1-S1-1101	B1K0164-05	6020	Cadmium	0.00100	U	mg/L	0
CG-9-1-S1-1101	B1K0164-05	6020	Chromium	0.00235		mg/L	39
CG-9-1-S1-1101	B1K0164-05	6020	Copper	0.00145		mg/L	11
CG-9-1-S1-1101	B1K0164-05	6020	Lead	0.00100	U	mg/L	0
CG-9-1-S1-1101	B1K0164-05	6020	Nickel	0.00271		mg/L	10
CG-9-1-S1-1101	B1K0164-05	6020	Selenium	0.00100	U	mg/L	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-1-S1-1101	B1K0164-05	6020	Vanadium	0.00252		mg/L	17
CG-9-1-S1-1101	B1K0164-05	6020	Zinc	0.0351		mg/L	21
CG-1-S1-1101	B1K0164-04RE1	8260B	1,1,1-Trichloroethane	400	UD	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	1,1-Dichloroethane	400	UD	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	1,2,4-Trimethylbenzene	400	UD	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	cis-1,2-Dichloroethene	400	UD	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	Ethylbenzene	1370	D	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	m,p-Xylene	5370	D	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	o-Xylene	1390	D	ug/l	
CG-1-S1-1101	B1K0164-04RE1	8260B	Toluene	8520	D	ug/l	
CG-1-S1-1101	B1K0164-04RE2	6020	Silver	0.00100	UJ	mg/L	
CG-9-1-S1-1101	B1K0164-05RE1	8260B	1,1,1-Trichloroethane	400	UD	ug/l	0
CG-9-1-S1-1101	B1K0164-05RE1	8260B	1,1-Dichloroethane	400	UD	ug/l	0
CG-9-1-S1-1101	B1K0164-05RE1	8260B	1,2,4-Trimethylbenzene	400	UD	ug/l	0
CG-9-1-S1-1101	B1K0164-05RE1	8260B	cis-1,2-Dichloroethene	400	UD	ug/l	0
CG-9-1-S1-1101	B1K0164-05RE1	8260B	Ethylbenzene	1310	D	ug/l	4
CG-9-1-S1-1101	B1K0164-05RE1	8260B	m,p-Xylene	4070	D	ug/l	28
CG-9-1-S1-1101	B1K0164-05RE1	8260B	o-Xylene	1190	D	ug/l	16
CG-9-1-S1-1101	B1K0164-05RE1	8260B	Toluene	7650	D	ug/l	11
CG-8-S1-1101	B1K0235-04	7470A	Mercury	0.00100	U	mg/L	
CG-9-8-S1-1101	B1K0235-05	7470A	Mercury	0.00100	U	mg/L	0
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1016	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1221	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1232	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1242	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1248	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1254	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1260	0.500	U	ug/l	
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1262	0.500	U	ug/l	

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-8-S1-1101	B1K0235-04	8082	Aroclor 1268	0.500	U	ug/l	
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1016	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1221	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1232	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1242	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1248	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1254	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1260	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1262	0.500	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8082	Aroclor 1268	0.500	U	ug/l	0
CG-8-S1-1101	B1K0235-04	8260B	1,1,1-Trichloroethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,1,2,2-Tetrachloroethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	41.1	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,1,2-Trichloroethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,1-Dichloroethane	70.2	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,1-Dichloroethene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,2,4-Trimethylbenzene	108	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,2-Dichlorobenzene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,2-Dichloroethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,2-Dichloropropane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,3-Dichlorobenzene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	1,4-Dichlorobenzene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	2-Butanone	200	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	2-Chloroethylvinyl ether	100	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	2-Hexanone	200	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	4-Methyl-2-pentanone	200	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Acetone	500	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Benzene	10.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Bromodichloromethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Bromoform	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Bromomethane	40.0	UD	ug/l	

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-8-S1-1101	B1K0235-04	8260B	Carbon disulfide	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Carbon tetrachloride	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Chlorobenzene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Chloroethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Chloroform	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Chloromethane	100	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	cis-1,2-Dichloroethene	209	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	cis-1,3-Dichloropropene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Dibromochloromethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Methylene chloride	100	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Styrene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Tetrachloroethene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	trans-1,2-Dichloroethene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	trans-1,3-Dichloropropene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Trichloroethene	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Trichlorofluoromethane	20.0	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Vinyl acetate	100	UD	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Vinyl chloride	38.5	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Ethylbenzene	592	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	m,p-Xylene	239	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	o-Xylene	85.2	D	ug/l	
CG-8-S1-1101	B1K0235-04	8260B	Toluene	209	D	ug/l	
CG-9-8-S1-1101	B1K0235-05	8260B	1,1,1-Trichloroethane	4.46		ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	42.6		ug/l	4
CG-9-8-S1-1101	B1K0235-05	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05RE1	8260B	1,1-Dichloroethane	74	D	ug/l	5
CG-9-8-S1-1101	B1K0235-05	8260B	1,1-Dichloroethene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,2,4-Trimethylbenzene	44.9		ug/l	83
CG-9-8-S1-1101	B1K0235-05	8260B	1,2-Dichlorobenzene	6.51		ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,2-Dichloroethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,2-Dichloropropane	1.00	U	ug/l	--

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-8-S1-1101	B1K0235-05	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	2-Butanone	10.0	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	2-Hexanone	10.0	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	4-Methyl-2-pentanone	17.6	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Acetone	25.0	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Benzene	2.57	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Bromodichloromethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Bromoform	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Bromomethane	2.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Carbon disulfide	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Carbon tetrachloride	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Chlorobenzene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Chloroethane	15.5	U	ug/l	25
CG-9-8-S1-1101	B1K0235-05	8260B	Chloroform	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Chloromethane	5.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	cis-1,2-Dichloroethene	215	D	ug/l	3
CG-9-8-S1-1101	B1K0235-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Dibromochloromethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Methylene chloride	5.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Styrene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Tetrachloroethene	1.1	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	trans-1,2-Dichloroethene	1.16	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Trichloroethene	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Vinyl acetate	5.00	U	ug/l	--
CG-9-8-S1-1101	B1K0235-05	8260B	Vinyl chloride	33.7	U	ug/l	13
CG-9-8-S1-1101	B1K0235-05	8260B	Ethylbenzene	580	D	ug/l	2
CG-9-8-S1-1101	B1K0235-05	8260B	m,p-Xylene	288	D	ug/l	19
CG-9-8-S1-1101	B1K0235-05	8260B	o-Xylene	85.2	D	ug/l	0



2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-8-S1-1101	B1K0235-05RE1	8260B	Toluene	230	D	ug/l	10
CG-8-S1-1101	B1K0235-04	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4-Dimethylphenol	11.4	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Methylnaphthalene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Methylphenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Nitroaniline	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Acenaphthene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Acenaphthylene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Acetophenone	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Aniline	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Anthracene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzo (a) anthracene	10.0	U	ug/l	

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-8-S1-1101	B1K0235-04	8270C	Benzo (a) pyrene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzo (ghi) perylene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzoic Acid	20.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Carbazole	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Chrysene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Di-n-octyl phthalate	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Dibenzofuran	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Fluoranthene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Fluorene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Hexachlorobenzene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Hexachlorobutadiene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Hexachloroethane	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Isophorone	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Naphthalene	102		ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Nitrobenzene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Pentachlorophenol	10.0	U	ug/l	

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-8-S1-1101	B1K0235-04	8270C	Phenanthrene	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Phenol	10.0	U	ug/l	
CG-8-S1-1101	B1K0235-04	8270C	Pyrene	10.0	U	ug/l	
CG-9-8-S1-1101	B1K0235-05	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	13
CG-9-8-S1-1101	B1K0235-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Methylnaphthalene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	3,3'-Dichlorobenzidine	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Nitroaniline	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Acenaphthylene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Acetophenone	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Aniline	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Anthracene	10.0	U	ug/l	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-8-S1-1101	B1K0235-05	8270C	Benzo (a) anthracene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzo (a) pyrene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzo (b) fluoranthene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzo (ghi) perylene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzo (k) fluoranthene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzoic Acid	20.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Bis(2-chloroethyl)ether	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Bis(2-ethylhexyl)phthalate	50.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Carbazole	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Chrysene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Dibenz (a,h) anthracene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Fluorene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Hexachlorobenzene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Hexachlorobutadiene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Hexachloroethane	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Indeno (1,2,3-cd) pyrene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Isophorone	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	N-Nitrosodi-n-propylamine	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Naphthalene	61.1		ug/l	50
CG-9-8-S1-1101	B1K0235-05	8270C	Nitrobenzene	10.0	U	ug/l	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-8-S1-1101	B1K0235-05	8270C	Pentachlorophenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Phenol	10.0	U	ug/l	0
CG-9-8-S1-1101	B1K0235-05	8270C	Pyrene	10.0	U	ug/l	0
CG-8-S1-1101	B1K0235-04	9010B	Cyanide (total)	0.0100	U	mg/L	
CG-9-8-S1-1101	B1K0235-05	9010B	Cyanide (total)	0.0100	U	mg/L	0
CG-8-S1-1101	B1K0235-04	9030B	Sulfide	20.0	U	mg/L	
CG-9-8-S1-1101	B1K0235-05	9030B	Sulfide	20.0	U	mg/L	0
CG-8-S1-1101	B1K0235-04	NWTPH-Dx	Diesel Range Hydrocarbons	1.3		mg/L	
CG-8-S1-1101	B1K0235-04	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/L	
CG-9-8-S1-1101	B1K0235-05	NWTPH-Dx	Diesel Range Hydrocarbons	1.35		mg/L	4
CG-9-8-S1-1101	B1K0235-05	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/L	0
CG-8-S1-1101	B1K0235-04	NWTPH-Gx	Gasoline Range Hydrocarbons	3420	D	ug/l	
CG-9-8-S1-1101	B1K0235-05	NWTPH-Gx	Gasoline Range Hydrocarbons	4280		ug/l	22
CG-8-S1-1101	B1K0235-04RE1	6020	Arsenic	0.00332		mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Barium	0.0100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Cadmium	0.00100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Chromium	0.00107		mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Copper	0.00104		mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Lead	0.00100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Nickel	0.00100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Selenium	0.00100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Silver	0.00100	U	mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Vanadium	0.00355		mg/L	
CG-8-S1-1101	B1K0235-04RE1	6020	Zinc	0.0100	U	mg/L	
CG-9-8-S1-1101	B1K0235-05RE1	6020	Arsenic	0.003		mg/L	10
CG-9-8-S1-1101	B1K0235-05RE1	6020	Barium	0.0100	U	mg/L	0

2001 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	concentration	Qualifier	Units	RPD
CG-9-8-S1-1101	B1K0235-05RE1	6020	Cadmium	0.00100	U	mg/L	0
CG-9-8-S1-1101	B1K0235-05RE1	6020	Chromium	0.00115		mg/L	7
CG-9-8-S1-1101	B1K0235-05RE1	6020	Copper	0.00118		mg/L	13
CG-9-8-S1-1101	B1K0235-05RE1	6020	Lead	0.00100	U	mg/L	0
CG-9-8-S1-1101	B1K0235-05RE1	6020	Nickel	0.00100	U	mg/L	0
CG-9-8-S1-1101	B1K0235-05RE1	6020	Selenium	0.00100	U	mg/L	0
CG-9-8-S1-1101	B1K0235-05RE1	6020	Silver	0.00100	U	mg/L	0
CG-9-8-S1-1101	B1K0235-05RE1	6020	Vanadium	0.00347		mg/L	2
CG-9-8-S1-1101	B1K0235-05RE1	6020	Zinc	0.0100	U	mg/L	0

2011 first quarter field duplicate results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0202	B2B0130-04	8260B	1,1,1-Trichloroethane	6.64		ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,1-Dichloroethane	2.32		ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,2-Dichloroethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	2-Butanone	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	2-Hexanone	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Acetone	25.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Benzene	0.500	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Bromoform	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Bromomethane	2.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Carbon disulfide	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Chlorobenzene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Chloroethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Chloroform	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Chloromethane	5.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Ethylbenzene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	m,p-Xylene	2.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Methylene chloride	5.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Naphthalene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	o-Xylene	1.00	U	ug/l	

200... First quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0202	B2B0130-04	8260B	Styrene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Toluene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Trichloroethene	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Vinyl acetate	5.00	U	ug/l	
CG-102-S1-0202	B2B0130-04	8260B	Vinyl chloride	1.00	U	ug/l	
CG-9-102-S1-0202	B2B0130-05	8260B	1,1,1-Trichloroethane	6.73		ug/l	1
CG-9-102-S1-0202	B2B0130-05	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,1-Dichloroethane	2.36		ug/l	2
CG-9-102-S1-0202	B2B0130-05	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Acetone	25.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Benzene	0.500	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Bromoform	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Chloroform	1.00	U	ug/l	0



2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0202	B2B0130-05	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-102-S1-020	B2B0130-05	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-102-S1-020	B2B0130-05	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Styrene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Tetrachloroethene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Toluene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Trichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8260B	Vinyl chloride	1.00	U	ug/l	0
CG-102-S1-0202	B2B0130-04	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2-Methylnaphthalene	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2-Methylphenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	4-Nitrophenol	10.0	U	ug/l	

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0202	B2B0130-04	8270C	Pentachlorophenol	10.0	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270C	Phenol	10.0	U	ug/l	
CG-9-102-S1-0202	B2B0130-05	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-020	B2B0130-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-020	B2B0130-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2-Methylnaphthalene	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270C	Pentachlorophenol	10.0	U	ug/l	0
CG-9-102-S1-020	B2B0130-05	8270C	Phenol	10.0	U	ug/l	0
CG-102-S1-0202	B2B0130-04	8270m	Benzo (a) anthracene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Benzo (a) pyrene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Chrysene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	
CG-102-S1-0202	B2B0130-04	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-9-102-S1-0202	B2B0130-05	8270m	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Chrysene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0202	B2B0130-05	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0202	B2B0130-04	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-9-102-S1-0202	B2B0130-05	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-102-S1-0202	B2B0130-04	9030B	Sulfide	20.0	U	mg/l	
CG-9-102-S1-0202	B2B0130-05	9030B	Sulfide	20.0	U	mg/l	0
CG-102-S1-0202	B2B0130-04	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-102-S1-0202	B2B0130-04	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-9-102-S1-0202	B2B0130-05	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-102-S1-0202	B2B0130-05	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-102-S1-0202	B2B0130-04	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	
CG-9-102-S1-0202	B2B0130-05	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	0
CG-103-S2-0202	B2B0184-06	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,1-Dichloroethane	2	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,2-Dichloroethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	2-Butanone	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	2-Hexanone	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Acetone	25.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Benzene	4.58	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Bromodichloromethane	1.00	U	ug/l	

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-103-S2-0202	B2B0184-06	8260B	Bromoform	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Bromomethane	2.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Carbon disulfide	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Chlorobenzene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Chloroethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Chloroform	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Chloromethane	5.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	cis-1,2-Dichloroethene	17.1		ug/l	
CG-103-S2-0202	B2B0184-06	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Ethylbenzene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	m,p-Xylene	2.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Methylene chloride	5.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Naphthalene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	o-Xylene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Styrene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Toluene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Trichloroethene	4.75		ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Vinyl acetate	5.00	U	ug/l	
CG-103-S2-0202	B2B0184-06	8260B	Vinyl chloride	25.1		ug/l	
CG-9-103-S2-0202	B2B0184-07	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,1-Dichloroethane	2.13		ug/l	6
CG-9-103-S2-0202	B2B0184-07	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-103-S2-0202	B2B0184-07	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Acetone	25.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Benzene	4.6	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Bromoform	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Chloroform	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	cis-1,2-Dichloroethene	17.5	U	ug/l	2
CG-9-103-S2-0202	B2B0184-07	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Styrene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Tetrachloroethene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Toluene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Trichloroethene	4.98	U	ug/l	5
CG-9-103-S2-0202	B2B0184-07	8260B	Trichlorofluoromethane	1.00	U	ug/l	0

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-103-S2-0202	B2B0184-07	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8260B	Vinyl chloride	35.7		ug/l	2
CG-103-S2-0202	B2B0184-06	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2-Methylnaphthalene	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2-Methylphenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	Pentachlorophenol	10.0	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270C	Phenol	10.0	U	ug/l	
CG-9-103-S2-0202	B2B0184-07	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2,4,6-Trichlorophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2-Methylnaphthalene	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270C	Pentachlorophenol	10.0	U	ug/l	0

2002 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-103-S2-0202	B2B0184-07	8270C	Phenol	10.0	U	ug/l	0
CG-103-S2-0202	B2B0184-06	8270m	Benzo (a) anthracene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Benzo (a) pyrene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Chrysene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	
CG-103-S2-0202	B2B0184-06	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-9-103-S2-0202	B2B0184-07	8270m	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Chrysene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	0
CG-9-103-S2-0202	B2B0184-07	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0
CG-103-S2-0202	B2B0184-06	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-9-103-S2-0202	B2B0184-07	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-103-S2-0202	B2B0184-06	9030B	Sulfide	20.0	U	mg/l	
CG-9-103-S2-0202	B2B0184-07	9030B	Sulfide	20.0	U	mg/l	0
CG-103-S2-0202	B2B0184-06	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-103-S2-0202	B2B0184-06	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-9-103-S2-0202	B2B0184-07	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-103-S2-0202	B2B0184-07	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-103-S2-0202	B2B0184-06	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	
CG-9-103-S2-0202	B2B0184-07	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-132-40-0502	B2E0293-04	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,2-Dichloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	2-Butanone	10.0	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	2-Hexanone	10.0	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Acetone	25.0	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Benzene	0.500	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Bromoform	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Bromomethane	2.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Carbon disulfide	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Chlorobenzene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Chloroethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Chloroform	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Chloromethane	5.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Ethylbenzene	1.00	U	ug/l	



2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-132-40-0502	B2E0293-04	8260B	m,p-Xylene	2.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Methylene chloride	5.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Naphthalene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	o-Xylene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Styrene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Toluene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Trichloroethene	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Vinyl acetate	5.00	U	ug/l	
CG-132-40-0502	B2E0293-04	8260B	Vinyl chloride	10.1		ug/l	
CG-9-132-40-0502	B2E0293-06	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Acetone	25.0	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Benzene	0.500	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-132-40-0502	B2E0293-06	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Bromoform	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Chloroform	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Styrene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Tetrachloroethene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Toluene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Trichloroethene	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-132-40-0502	B2E0293-06	8260B	Vinyl chloride	9.87		ug/l	2
CG-102-S1-0502	B2E0452-03	6020	Arsenic	0.00100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Barium	0.0100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Chromium	0.00100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Copper	0.00132		mg/l	
CG-102-S1-0502	B2E0452-03	6020	Lead	0.00100	U	mg/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0502	B2E0452-03	6020	Manganese	0.0576		mg/l	
CG-102-S1-0502	B2E0452-03	6020	Nickel	0.00100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Selenium	0.00100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Silver	0.00100	U	mg/l	
CG-102-S1-0502	B2E0452-03	6020	Vanadium	0.00237		mg/l	
CG-9-102-S1-0502	B2E0452-04	6020	Arsenic	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Barium	0.0100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Chromium	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Copper	0.0014		mg/l	6
CG-9-102-S1-0502	B2E0452-04	6020	Lead	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Manganese	0.0583		mg/l	1
CG-9-102-S1-0502	B2E0452-04	6020	Nickel	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Selenium	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Silver	0.00100	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	6020	Vanadium	0.00239		mg/l	1
CG-102-S1-0502	B2E0452-03	7196A	Hexavalent Chromium	0.00500	R	mg/l	
CG-9-102-S1-0502	B2E0452-04	7196A	Hexavalent Chromium	0.00500	R	mg/l	0
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1016	0.100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1221	0.219	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1232	0.100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1242	0.131	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1248	0.123	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1254	0.180	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1260	0.100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1262	0.100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8082	Aroclor 1268	0.100	U	ug/l	
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1016	0.100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1221	0.219	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1232	0.100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1242	0.131	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1248	0.123	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1254	0.180	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1260	0.100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1262	0.100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8082	Aroclor 1268	0.100	U	ug/l	0
CG-102-S1-0502	B2E0452-03	8260B	1,1,1-Trichloroethane	7.11		ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1-Dichloroethane	2.2		ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,1,1-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,2-Dichloroethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	2-Butanone	10.0	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	2-Hexanone	10.0	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Acetone	25.0	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Benzene	0.500	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Bromoform	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Bromomethane	2.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Carbon disulfide	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Chlorobenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Chloroethane	1.00	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0502	B2E0452-03	8260B	Chloroform	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Chloromethane	5.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Ethylbenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	m,p-Xylene	2.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Methylene chloride	5.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Naphthalene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	o-Xylene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Styrene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Toluene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Trichloroethene	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Vinyl acetate	5.00	U	ug/l	
CG-102-S1-0502	B2E0452-03	8260B	Vinyl chloride	1.00	U	ug/l	
CG-9-102-S1-0502	B2E0452-04	8260B	1,1,1-Trichloroethane	7.34		ug/l	3
CG-9-102-S1-0502	B2E0452-04	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,1-Dichloroethane	2.18		ug/l	1
CG-9-102-S1-0502	B2E0452-04	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0502	B2E0452-04	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Acetone	25.0	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Benzene	0.500	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Bromoform	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Chloroform	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Styrene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Tetrachloroethene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Toluene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Trichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0502	B2E0452-04	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8260B	Vinyl chloride	1.00	U	ug/l	0
CG-102-S1-0502	B2E0452-03	8270 Mod	3,3'-Dichlorobenzidine	0.0240	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270 Mod	Benzo (ghi) perylene	0.0481	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270 Mod	Bis(2-chloroethyl)ether	0.00962	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270 Mod	Hexachlorobenzene	0.0240	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270 Mod	Hexachlorobutadiene	0.00481	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270 Mod	N-Nitrosodi-n-propylamine	0.00481	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	3,3'-Dichlorobenzidine	0.0238	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	Benzo (ghi) perylene	0.0476	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	Bis(2-chloroethyl)ether	0.00952	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	Hexachlorobenzene	0.0238	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	Hexachlorobutadiene	0.00476	U	ug/l	1
CG-9-102-S1-0502	B2E0452-04	8270 Mod	N-Nitrosodi-n-propylamine	0.00476	U	ug/l	1
CG-102-S1-0502	B2E0452-03	8270C	1,2,4-Trichlorobenzene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4,5-Trichlorophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4,6-Trichlorophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4-Dichlorophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4-Dimethylphenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4-Dinitrophenol	9.62	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,4-Dinitrotoluene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2,6-Dinitrotoluene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Chloronaphthalene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Chlorophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Methylnaphthalene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Methylphenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Nitroaniline	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	2-Nitrophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	3 & 4-Methylphenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	3,3'-Dichlorobenzidine	4.81	U	ug/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0502	B2E0452-03	8270C	3-Nitroaniline	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4,6-Dinitro-2-methylphenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Bromophenyl phenyl ether	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Chloro-3-methylphenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Chloroaniline	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Chlorophenyl phenyl ether	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Nitroaniline	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	4-Nitrophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Acenaphthene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Acenaphthylene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Acetophenone	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Aniline	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Anthracene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzo (a) anthracene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzo (a) pyrene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzo (b) fluoranthene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzo (ghi) perylene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzo (k) fluoranthene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzoic Acid	9.62	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Benzyl alcohol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Bis(2-chloroethoxy)methane	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Bis(2-chloroethyl)ether	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Bis(2-chloroisopropyl)ether	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Bis(2-ethylhexyl)phthalate	24.0	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Butyl benzyl phthalate	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Carbazole	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Chrysene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Di-n-butyl phthalate	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Di-n-octyl phthalate	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Dibenz (a,h) anthracene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Dibenzofuran	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Diethyl phthalate	4.81	U	ug/l	



2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0502	B2E0452-03	8270C	Dimethyl phthalate	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Fluoranthene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Fluorene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Hexachlorobenzene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Hexachlorobutadiene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Hexachlorocyclopentadiene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Hexachloroethane	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Indeno (1,2,3-cd) pyrene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Isophorone	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	N-Nitrosodi-n-propylamine	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	N-Nitrosodiphenylamine	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Nitrobenzene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Pentachlorophenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Phenanthrene	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Phenol	4.81	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270C	Pyrene	4.81	U	ug/l	
CG-9-102-S1-0502	B2E0452-04	8270C	1,2,4-Trichlorobenzene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4,5-Trichlorophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4,6-Trichlorophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4-Dichlorophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4-Dimethylphenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4-Dinitrophenol	9.52	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,4-Dinitrotoluene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2,6-Dinitrotoluene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Chloronaphthalene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Chlorophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Methylnaphthalene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Methylphenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Nitroaniline	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	2-Nitrophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	3 & 4-Methylphenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	3,3'-Dichlorobenzidine	4.76	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0502	B2E0452-04	8270C	3-Nitroaniline	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4,6-Dinitro-2-methylphenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Bromophenyl phenyl ether	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Chloro-3-methylphenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Chloroaniline	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Chlorophenyl phenyl ether	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Nitroaniline	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	4-Nitrophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Acenaphthene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Acenaphthylene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Acetophenone	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Aniline	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Anthracene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzo (a) anthracene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzo (a) pyrene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzo (b) fluoranthene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzo (ghi) perylene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzo (k) fluoranthene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzoic Acid	9.52	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Benzyl alcohol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Bis(2-chloroethoxy)methane	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Bis(2-chloroethyl)ether	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Bis(2-chloroisopropyl)ether	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Bis(2-ethylhexyl)phthalate	23.8	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Butyl benzyl phthalate	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Carbazole	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Chrysene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Di-n-butyl phthalate	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Di-n-octyl phthalate	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Dibenz (a,h) anthracene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Dibenzofuran	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Diethyl phthalate	4.76	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0502	B2E0452-04	8270C	Dimethyl phthalate	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Fluoranthene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Fluorene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Hexachlorobenzene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Hexachlorobutadiene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Hexachlorocyclopentadiene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Hexachloroethane	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Indeno (1,2,3-cd) pyrene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Isophorone	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	N-Nitrosodi-n-propylamine	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	N-Nitrosodiphenylamine	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Nitrobenzene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Pentachlorophenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Phenanthrene	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Phenol	4.76	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270C	Pyrene	4.76	U	ug/l	0
CG-102-S1-0502	B2E0452-03	8270m	Benzo (a) anthracene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Benzo (a) pyrene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Chrysene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	
CG-102-S1-0502	B2E0452-03	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Chrysene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Chrysene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-0502	B2E0452-04	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0502	B2E0452-03	9030B	Sulfide	20.0	U	mg/l	
CG-9-102-S1-0502	B2E0452-04	9030B	Sulfide	20.0	U	mg/l	0
CG-102-S1-0502	B2E0452-03	HG-6020	Arsenic	0.000401		mg/l	
CG-9-102-S1-0502	B2E0452-04	HG-6020	Arsenic	0.0004		mg/l	0
CG-102-S1-0502	B2E0452-03	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	
CG-9-102-S1-0502	B2E0452-04	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	0
CG-102-S1-0502	B2E0452-03RE1	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-102-S1-0502	B2E0452-03RE1	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-9-102-S1-0502	B2E0452-04	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-102-S1-0502	B2E0452-04	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-101-S1-0502	B2E0585-02	160.1	Total Dissolved Solids	39		mg/l	
CG-9-101-S1-0502	B2E0585-03	160.1	Total Dissolved Solids	42		mg/l	0
CG-101-S1-0502	B2E0585-02	2320B	Bicarbonate Alkalinity	14.2		mg/L	
CG-101-S1-0502	B2E0585-02	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-101-S1-0502	B2E0585-02	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-101-S1-0502	B2E0585-02	2320B	Total Alkalinity	14.2		mg/L	
CG-9-101-S1-0502	B2E0585-03	2320B	Bicarbonate Alkalinity	14		mg/L	1
CG-9-101-S1-0502	B2E0585-03	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-101-S1-0502	B2E0585-03	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-101-S1-0502	B2E0585-03	2320B	Total Alkalinity	14		mg/L	1
CG-101-S1-0502	B2E0585-02	300.0	Chloride	5.51	D	mg/l	
CG-101-S1-0502	B2E0585-02	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-101-S1-0502	B2E0585-02	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-101-S1-0502	B2E0585-02	300.0	Sulfate	5.25	D	mg/l	
CG-9-101-S1-0502	B2E0585-03	300.0	Chloride	5.3	D	mg/l	4
CG-9-101-S1-0502	B2E0585-03	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	300.0	Sulfate	5.28	D	mg/l	1
CG-101-S1-0502	B2E0585-02	350.3	Ammonia-Nitrogen	0.100	U	mg/l	
CG-9-101-S1-0502	B2E0585-03	350.3	Ammonia-Nitrogen	0.100	U	mg/l	0
CG-101-S1-0502	B2E0585-02	3500-Fe D	Ferric Iron	0.500	U	mg/l	
CG-101-S1-0502	B2E0585-02	3500-Fe D	Ferrous Iron	0.500	UJ	mg/l	
CG-9-101-S1-0502	B2E0585-03	3500-Fe D	Ferric Iron	0.500	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	3500-Fe D	Ferrous Iron	0.500	UJ	mg/l	0
CG-101-S1-0502	B2E0585-02	415.1	Total Organic Carbon	2.00	U	mg/l	
CG-9-101-S1-0502	B2E0585-03	415.1	Total Organic Carbon	2.00	U	mg/l	0
CG-101-S1-0502	B2E0585-02	4500-CO2 C	Carbon dioxide	5.46		mg/l	
CG-9-101-S1-0502	B2E0585-03	4500-CO2 C	Carbon dioxide	5.00	U	mg/l	9
CG-101-S1-0502	B2E0585-02	6010B	Calcium	8.03		mg/l	
CG-101-S1-0502	B2E0585-02	6010B	Magnesium	1.26		mg/l	
CG-101-S1-0502	B2E0585-02	6010B	Potassium	2.00	U	mg/l	
CG-101-S1-0502	B2E0585-02	6010B	Sodium	2.28		mg/l	
CG-101-S1-0502	B2E0585-02	6020	Arsenic	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Barium	0.0100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Chromium	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Copper	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Lead	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Manganese	0.0100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Nickel	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Selenium	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Silver	0.00100	U	mg/l	
CG-101-S1-0502	B2E0585-02	6020	Vanadium	0.00108		mg/l	
CG-9-101-S1-0502	B2E0585-03	6010B	Calcium	8.02		mg/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	6010B	Magnesium	1.26		mg/l	0
CG-9-101-S1-0502	B2E0585-03	6010B	Potassium	2.00	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6010B	Sodium	2.28		mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Arsenic	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Barium	0.0100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Chromium	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Copper	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Lead	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Manganese	0.0100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Nickel	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Selenium	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Silver	0.00100	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	6020	Vanadium	0.00103		mg/l	5
CG-101-S1-0502	B2E0585-02	7196A	Hexavalent Chromium	0.00500	R	mg/l	
CG-9-101-S1-0502	B2E0585-03	7196A	Hexavalent Chromium	0.00500	R	mg/l	67
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1016	0.100	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1221	0.219	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1232	0.100	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1242	0.131	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1248	0.123	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1254	0.180	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1260	0.100	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1262	0.100	U	ug/l	
CG-101-S1-0502	B2E0585-02	8082	Aroclor 1268	0.100	U	ug/l	
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1016	0.100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1221	0.219	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1232	0.100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1242	0.131	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1248	0.123	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1254	0.180	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1260	0.100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1262	0.100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8082	Aroclor 1268	0.100	U	ug/l	0
CG-101-S1-0502	B2E0585-02	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,1-Dichloroethene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,2-Dichloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,2-Dichloropropane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	2-Butanone	10.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	2-Hexanone	10.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Acetone	25.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Benzene	0.500	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Bromodichloromethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Bromoform	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Bromomethane	2.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Carbon disulfide	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Carbon tetrachloride	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Chlorobenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Chloroethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Chloroform	23.3	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Chloromethane	5.00	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-S1-0502	B2E0585-02	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Dibromochloromethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Ethylbenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	m,p-Xylene	2.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Methylene chloride	5.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	n-Hexane	2.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Naphthalene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	o-Xylene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Styrene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Tetrachloroethene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Toluene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Trichloroethene	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Vinyl acetate	5.00	U	ug/l	
CG-101-S1-0502	B2E0585-02	8260B	Vinyl chloride	1.00	U	ug/l	
CG-9-101-S1-0502	B2E0585-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,1,2,2-Tetrachloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,1,2-Trichloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,1-Dichloroethene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,2-Dichloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,2-Dichloropropane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,3-Dichlorobenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	1,4-Dichlorobenzene	1.00	U	ug/l	0



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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Acetone	25.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Benzene	0.500	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Bromodichloromethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Bromoform	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Carbon disulfide	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Carbon tetrachloride	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Chloroform	23.2	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Chloromethane	5.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Dibromochloromethane	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Naphthalene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Styrene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Tetrachloroethene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Toluene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Trichloroethene	1.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8260B	Vinyl chloride	1.00	U	ug/l	0
CG-101-S1-0502	B2E0585-02	8270 Mod	3,3'-Dichlorobenzidine	0.0236	UJ	ug/l	
CG-101-S1-0502	B2E0585-02	8270 Mod	Benzo (ghi) perylene	0.0472	J	ug/l	
CG-101-S1-0502	B2E0585-02	8270 Mod	Bis(2-chloroethyl)ether	0.00943	UJ	ug/l	
CG-101-S1-0502	B2E0585-02	8270 Mod	Hexachlorobenzene	0.0236	UJ	ug/l	
CG-101-S1-0502	B2E0585-02	8270 Mod	Hexachlorobutadiene	0.00472	UJ	ug/l	
CG-101-S1-0502	B2E0585-02	8270 Mod	N-Nitrosodi-n-propylamine	0.00472	UJ	ug/l	
CG-9-101-S1-0502	B2E0585-03	8270 Mod	3,3'-Dichlorobenzidine	0.0236	UJ	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270 Mod	Benzo (ghi) perylene	0.0472	UJ	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270 Mod	Bis(2-chloroethyl)ether	0.00943	UJ	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270 Mod	Hexachlorobenzene	0.0236	UJ	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270 Mod	Hexachlorobutadiene	0.00472	UJ	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270 Mod	N-Nitrosodi-n-propylamine	0.00472	UJ	ug/l	0
CG-101-S1-0502	B2E0585-02	8270C	1,2,4-Trichlorobenzene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4,5-Trichlorophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4,6-Trichlorophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4-Dichlorophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4-Dimethylphenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4-Dinitrophenol	9.62	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,4-Dinitrotoluene	16.2		ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2,6-Dinitrotoluene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Chloronaphthalene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Chlorophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Methylnaphthalene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Methylphenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Nitroaniline	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	2-Nitrophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	3 & 4-Methylphenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	3,3'-Dichlorobenzidine	4.81	U	ug/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-S1-0502	B2E0585-02	8270C	3-Nitroaniline	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4,6-Dinitro-2-methylphenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Bromophenyl phenyl ether	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Chloro-3-methylphenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Chloroaniline	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Chlorophenyl phenyl ether	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Nitroaniline	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	4-Nitrophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Acenaphthene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Acenaphthylene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Acetophenone	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Aniline	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Anthracene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzo (a) anthracene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzo (a) pyrene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzo (b) fluoranthene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzo (ghi) perylene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzo (k) fluoranthene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzoic Acid	9.62	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Benzyl alcohol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Bis(2-chloroethoxy)methane	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Bis(2-chloroethyl)ether	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Bis(2-chloroisopropyl)ether	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Bis(2-ethylhexyl)phthalate	24.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Butyl benzyl phthalate	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Carbazole	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Chrysene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Di-n-butyl phthalate	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Di-n-octyl phthalate	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Dibenz (a, h) anthracene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Dibenzofuran	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Diethyl phthalate	4.81	U	ug/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-S1-0502	B2E0585-02	8270C	Dimethyl phthalate	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Fluoranthene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Fluorene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Hexachlorobenzene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Hexachlorobutadiene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Hexachlorocyclopentadiene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Hexachloroethane	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Indeno (1,2,3-cd) pyrene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Isophorone	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	N-Nitrosodi-n-propylamine	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	N-Nitrosodiphenylamine	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Nitrobenzene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Pentachlorophenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Phenanthrene	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Phenol	4.81	U	ug/l	
CG-101-S1-0502	B2E0585-02	8270C	Pyrene	4.81	U	ug/l	
CG-9-101-S1-0502	B2E0585-03	8270C	1,2,4-Trichlorobenzene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4,5-Trichlorophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4,6-Trichlorophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4-Dichlorophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4-Dimethylphenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4-Dinitrophenol	9.43	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,4-Dinitrotoluene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2,6-Dinitrotoluene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Chloronaphthalene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Chlorophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Methylnaphthalene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Methylphenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Nitroaniline	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	2-Nitrophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	3 & 4-Methylphenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	3,3'-Dichlorobenzidine	4.72	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	8270C	3-Nitroaniline	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4,6-Dinitro-2-methylphenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Bromophenyl phenyl ether	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Chloro-3-methylphenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Chloroaniline	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Chlorophenyl phenyl ether	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Nitroaniline	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	4-Nitrophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Acenaphthene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Acenaphthylene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Acetophenone	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Aniline	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Anthracene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzo (a) anthracene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzo (a) pyrene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzo (b) fluoranthene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzo (ghi) perylene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzo (k) fluoranthene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzoic Acid	9.43	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Benzyl alcohol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Bis(2-chloroethoxy)methane	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Bis(2-chloroethyl)ether	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Bis(2-chloroisopropyl)ether	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Bis(2-ethylhexyl)phthalate	23.6	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Butyl benzyl phthalate	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Carbazole	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Chrysene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Di-n-butyl phthalate	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Di-n-octyl phthalate	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Dibenz (a,h) anthracene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Dibenzofuran	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Diethyl phthalate	4.72	U	ug/l	0

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-101-S1-0502	B2E0585-03	8270C	Dimethyl phthalate	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Fluoranthene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Fluorene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Hexachlorobenzene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Hexachlorobutadiene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Hexachlorocyclopentadiene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Hexachloroethane	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Indeno (1,2,3-cd) pyrene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Isophorone	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	N-Nitrosodi-n-propylamine	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	N-Nitrosodiphenylamine	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Nitrobenzene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Pentachlorophenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Phenanthrene	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Phenol	4.72	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	8270C	Pyrene	4.72	U	ug/l	0
CG-101-S1-0502	B2E0585-02	9030B	Sulfide	20.0	U	mg/l	
CG-9-101-S1-0502	B2E0585-03	9030B	Sulfide	20.0	U	mg/l	0
CG-101-S1-0502	B2E0585-02	HG-6020	Arsenic	0.000155		mg/l	
CG-9-101-S1-0502	B2E0585-03	HG-6020	Arsenic	0.000156		mg/l	1
CG-101-S1-0502	B2E0585-02	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-101-S1-0502	B2E0585-02	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-9-101-S1-0502	B2E0585-03	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-101-S1-0502	B2E0585-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-101-S1-0502	B2E0585-02	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	
CG-9-101-S1-0502	B2E0585-03	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	0
CG-101-S1-0502	B2E0585-02	RSK 175	Ethane	10.0	U	ug/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-S1-0502	B2E0585-02	RSK 175	Ethene	10.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	RSK 175	Methane	1.20	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	RSK 175	Ethane	10.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	RSK 175	Ethene	10.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	RSK 175	Methane	1.20	U	ug/l	0
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C10-C12 Aliphatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C10-C12 Aromatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C12-C16 Aliphatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C12-C16 Aromatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C16-C21 Aliphatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C16-C21 Aromatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C21-C34 Aliphatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C21-C34 Aromatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	C8-C10 Aliphatics	100	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-EP	Extractable Petroleum Hydrocarbons	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C10-C12 Aliphatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C10-C12 Aromatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C12-C16 Aliphatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C12-C16 Aromatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C16-C21 Aliphatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C16-C21 Aromatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C21-C34 Aliphatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C21-C34 Aromatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	C8-C10 Aliphatics	100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-EP	Extractable Petroleum Hydrocarbons	100	U	ug/l	0
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	

2002 second quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-101-S1-0502	B2E0585-02	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-101-S1-0502	B2E0585-02RE	8270m	Benzo (a) anthracene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Benzo (a) pyrene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Chrysene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	
CG-101-S1-0502	B2E0585-02RE	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-9-101-S1-0502	B2E0585-03RE	8270m	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Chrysene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Dibenzo (a,h) anthracene	0.0100	U	ug/l	0
CG-9-101-S1-0502	B2E0585-03RE	8270m	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0



..002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-0802	B2H0120-03	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	1,1-Dichloroethene	0.196		ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	1,2-Dichloroethane	0.341		ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-9-131-40-0802	B2H0120-04	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260 Mod	1,1-Dichloroethene	0.208		ug/l	6
CG-9-131-40-0802	B2H0120-04	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	--
CG-9-131-40-0802	B2H0120-04	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-131-40-0802	B2H0120-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	2-Trichloro-1,2,2-trifluoroethan	2.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,1-Dichloroethane	16.4		ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	2-Butanone	10.0	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	2-Hexanone	10.0	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Acetone	25.0	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Benzene	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Bromoform	1.00	U	ug/l	

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-0802	B2H0120-03	8260B	Bromomethane	2.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Carbon disulfide	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Chlorobenzene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Chloroethane	5.83		ug/l	
CG-131-40-0802	B2H0120-03	8260B	Chloroform	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Chloromethane	2.50	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	cis-1,2-Dichloroethene	8.46		ug/l	
CG-131-40-0802	B2H0120-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Ethylbenzene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	m,p-Xylene	2.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Methylene chloride	5.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Naphthalene	0.500	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	o-Xylene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Styrene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Toluene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Vinyl acetate	5.00	U	ug/l	
CG-131-40-0802	B2H0120-03	8260B	Vinyl chloride	20.3		ug/l	
CG-9-131-40-0802	B2H0120-04	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	,2-Trichloro-1,2,2-trifluoroethan	2.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,1-Dichloroethane	16.7		ug/l	2
CG-9-131-40-0802	B2H0120-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0

002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-131-40-0802	B2H0120-04	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Acetone	25.0	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Benzene	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Bromoform	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Chloroethane	5.56	U	ug/l	5
CG-9-131-40-0802	B2H0120-04	8260B	Chloroform	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	cis-1,2-Dichloroethene	8.79	U	ug/l	4
CG-9-131-40-0802	B2H0120-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Styrene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Toluene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-131-40-0802	B2H0120-04	8260B	Vinyl chloride	19.5	U	ug/l	4
CG-128-70-0802	B2H0191-03	160.1	Total Dissolved Solids	480		mg/l	
CG-9-128-70-0802	B2H0191-04	160.1	Total Dissolved Solids	440		mg/l	9

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-128-70-0802	B2H0191-03	2320B	Bicarbonate Alkalinity	372		mg/L	
CG-128-70-0802	B2H0191-03	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-128-70-0802	B2H0191-03	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-128-70-0802	B2H0191-03	2320B	Total Alkalinity	372		mg/L	
CG-9-128-70-0802	B2H0191-04	2320B	Bicarbonate Alkalinity	376		mg/L	1
CG-9-128-70-0802	B2H0191-04	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-128-70-0802	B2H0191-04	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-128-70-0802	B2H0191-04	2320B	Total Alkalinity	376		mg/L	1
CG-128-70-0802	B2H0191-03	300.0	Chloride	68	D	mg/l	
CG-128-70-0802	B2H0191-03	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-128-70-0802	B2H0191-03	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-128-70-0802	B2H0191-03	300.0	Sulfate	0.400	U	mg/l	
CG-9-128-70-0802	B2H0191-04	300.0	Chloride	71.7	D	mg/l	5
CG-9-128-70-0802	B2H0191-04	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-128-70-0802	B2H0191-04	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0
CG-9-128-70-0802	B2H0191-04	300.0	Sulfate	0.400	U	mg/l	0
CG-128-70-0802	B2H0191-03	350.3	Ammonia-Nitrogen	6.38		mg/l	
CG-9-128-70-0802	B2H0191-04	350.3	Ammonia-Nitrogen	6.46		mg/l	1
CG-128-70-0802	B2H0191-03	3500-Fe D	Ferric Iron	2.58	J	mg/l	
CG-128-70-0802	B2H0191-03	3500-Fe D	Ferrous Iron	0.500	UJ	mg/l	
CG-9-128-70-0802	B2H0191-04	3500-Fe D	Ferric Iron	3.17	J	mg/l	21
CG-9-128-70-0802	B2H0191-04	3500-Fe D	Ferrous Iron	0.500	UJ	mg/l	0
CG-128-70-0802	B2H0191-03	415.1	Total Organic Carbon	35.5	D	mg/l	
CG-9-128-70-0802	B2H0191-04	415.1	Total Organic Carbon	28.9	D	mg/l	20
CG-128-70-0802	B2H0191-03	4500-CO2 C	Carbon dioxide	33.6		mg/l	
CG-9-128-70-0802	B2H0191-04	4500-CO2 C	Carbon dioxide	30.3		mg/l	10

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-128-70-0802	B2H0191-03	6010B	Calcium	7.93		mg/l	
CG-128-70-0802	B2H0191-03	6010B	Magnesium	14.9		mg/l	
CG-128-70-0802	B2H0191-03	6010B	Potassium	14.1		mg/l	
CG-128-70-0802	B2H0191-03	6010B	Sodium	57.9		mg/l	
CG-128-70-0802	B2H0191-03	6020	Manganese	0.325		mg/l	
CG-9-128-70-0802	B2H0191-04	6010B	Calcium	7.96		mg/l	0
CG-9-128-70-0802	B2H0191-04	6010B	Magnesium	15		mg/l	1
CG-9-128-70-0802	B2H0191-04	6010B	Potassium	13.6		mg/l	4
CG-9-128-70-0802	B2H0191-04	6010B	Sodium	57.9		mg/l	0
CG-9-128-70-0802	B2H0191-04	6020	Manganese	0.324		mg/l	0
CG-128-70-0802	B2H0191-03	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-128-70-0802	B2H0191-03	8260 Mod	Vinyl chloride	0.448		ug/l	
CG-9-128-70-0802	B2H0191-04	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260 Mod	Vinyl chloride	0.329		ug/l	31
CG-128-70-0802	B2H0191-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	,2-Trichloro-1,2,2-trifluoroethan	2.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,1-Dichloroethane	1.00	U	ug/l	

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-128-70-0802	B2H0191-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	2-Butanone	10.0	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	2-Hexanone	10.0	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Acetone	25.0	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Benzene	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Bromoform	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Bromomethane	2.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Carbon disulfide	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Chlorobenzene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Chloroethane	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Chloroform	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Chloromethane	2.50	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Ethylbenzene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	m,p-Xylene	2.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Methylene chloride	5.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Naphthalene	0.500	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	o-Xylene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Styrene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Toluene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-128-70-0802	B2H0191-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-128-70-0802	B2H0191-03	8260B	Vinyl acetate	5.00	U	ug/l	
CG-9-128-70-0802	B2H0191-04	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Acetone	25.0	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Benzene	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Bromoform	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Chloroform	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	o-Xylene	1.00	U	ug/l	0

2002 third quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-128-70-0802	B2H0191-04	8260B	Styrene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Toluene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-128-70-0802	B2H0191-03	9030B	Sulfide	20.0	U	mg/l	
CG-9-128-70-0802	B2H0191-04	9030B	Sulfide	20.0	U	mg/l	0
CG-128-70-0802	B2H0191-03	RSK 175	Ethane	72.4		ug/l	
CG-128-70-0802	B2H0191-03	RSK 175	Ethane	10.0	U	ug/l	
CG-128-70-0802	B2H0191-03	RSK 175	Methane	23300		ug/l	
CG-9-128-70-0802	B2H0191-04	RSK 175	Ethane	70.7		ug/l	2
CG-9-128-70-0802	B2H0191-04	RSK 175	Ethane	10.0	U	ug/l	0
CG-9-128-70-0802	B2H0191-04	RSK 175	Methane	26900		ug/l	14



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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-138-40-1102	B2K0108-03	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-138-40-1102	B2K0108-03	8260 Mod	Vinyl chloride	0.042		ug/l	
CG-9-138-40-1102	B2K0108-04	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260 Mod	Vinyl chloride	0.052		ug/l	21
CG-138-40-1102	B2K0108-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	2-Butanone	10.0	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	2-Hexanone	10.0	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Acetone	25.0	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Benzene	0.500	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-138-40-1102	B2K0108-03	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Bromoform	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Bromomethane	2.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Carbon disulfide	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Chlorobenzene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Chloroethane	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Chloroform	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Chloromethane	2.50	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Ethylbenzene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	m,p-Xylene	2.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Methylene chloride	5.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Naphthalene	0.500	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	o-Xylene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Styrene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Toluene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-138-40-1102	B2K0108-03	8260B	Vinyl acetate	5.00	U	ug/l	
CG-9-138-40-1102	B2K0108-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,1,2-Trichloroethane	2.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	2-Butanone	10.0	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-138-40-1102	B2K0108-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Acetone	25.0	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Benzene	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Bromoform	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Chloroform	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Styrene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Toluene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-138-40-1102	B2K0108-04	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-131-40-1102	B2K0146-07	6020	Lead	0.00100	U	mg/l	
CG-9-131-40-1102	B2K0146-08	6020	Lead	0.00100	U	mg/l	0
CG-131-40-1102	B2K0146-07	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-1102	B2K0146-07	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	
CG-9-131-40-1102	B2K0146-08	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-131-40-1102	B2K0146-07	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	1,1-Dichloroethene	0.46		ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	1,2-Dichloroethane	2.44		ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-9-131-40-1102	B2K0146-08	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260 Mod	1,1-Dichloroethene	0.459		ug/l	0
CG-9-131-40-1102	B2K0146-08	8260 Mod	1,2-Dichloroethane	2.53		ug/l	4
CG-9-131-40-1102	B2K0146-08	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-131-40-1102	B2K0146-07	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,1-Dichloroethane	17.4		ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	2-Butanone	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	2-Hexanone	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-1102	B2K0146-07	8260B	Acetone	25.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Benzene	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Bromoform	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Bromomethane	2.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Carbon disulfide	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Chlorobenzene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Chloroethane	4.16	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Chloroform	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Chloromethane	2.50	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	cis-1,2-Dichloroethene	10.3	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Ethanol	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Ethylbenzene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	m,p-Xylene	2.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Methylene chloride	5.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	n-Hexane	2.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Naphthalene	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	o-Xylene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Styrene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Toluene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Vinyl acetate	5.00	U	ug/l	
CG-131-40-1102	B2K0146-07	8260B	Vinyl chloride	13.6	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-131-40-1102	B2K0146-08	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,1-Dichloroethane	17.3		ug/l	1
CG-9-131-40-1102	B2K0146-08	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Acetone	25.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Benzene	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Bromoform	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Chloroethane	4.02		ug/l	3
CG-9-131-40-1102	B2K0146-08	8260B	Chloroform	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	cis-1,2-Dichloroethene	9.66		ug/l	6
CG-9-131-40-1102	B2K0146-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Ethanol	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-131-40-1102	B2K0146-08	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Styrene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	tert-Butyl Alcohol	24		ug/l	--
CG-9-131-40-1102	B2K0146-08	8260B	Toluene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8260B	Vinyl chloride	12.8		ug/l	6
CG-131-40-1102	B2K0146-07	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2-Methylphenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-1102	B2K0146-07	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Acenaphthene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Acenaphthylene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Acetophenone	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Anthracene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Benzoic Acid	20.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Di-n-octyl phthalate	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Dibenzofuran	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Fluoranthene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Fluorene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Isophorone	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Phenanthrene	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Phenol	10.0	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C	Pyrene	10.0	U	ug/l	
CG-9-131-40-1102	B2K0146-08	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2-Methylphenol	10.0	U	ug/l	0



2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-131-40-1102	B2K0146-08	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Acenaphthylene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Acetophenone	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Anthracene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Benzoic Acid	20.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Fluorene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Isophorone	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Phenol	10.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C	Pyrene	10.0	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-1102	B2K0146-07	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0
CG-131-40-1102	B2K0146-07	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Aniline	0.0500	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Benzo (a) anthracene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Bis(2-chloroethyl)ether	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Bis(2-ethylhexyl)phthalate	0.82	UB	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Carbazole	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Chrysene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Dibenz (a,h) anthracene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Hexachloroethane	0.0200	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	
CG-131-40-1102	B2K0146-07	8270-SIM	Nitrobenzene	0.0200	U	ug/l	
CG-9-131-40-1102	B2K0146-08	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-131-40-1102	B2K0146-08	8270-SIM	Aniline	0.0500	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Bis(2-chloroethoxy)ether	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Bis(2-ethylhexyl)phthalate	0.926	UB	ug/l	12
CG-9-131-40-1102	B2K0146-08	8270-SIM	Carbazole	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Chrysene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Dibenz (a,h) anthracene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Hexachloroethane	0.0200	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	8270-SIM	Nitrobenzene	0.0200	U	ug/l	0
CG-131-40-1102	B2K0146-07	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-9-131-40-1102	B2K0146-08	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-131-40-1102	B2K0146-07	HG-6020	Arsenic	0.0000773		mg/l	
CG-9-131-40-1102	B2K0146-08	HG-6020	Arsenic	0.0000679		mg/l	13
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-131-40-1102	B2K0146-07	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-131-40-1102	B2K0146-07	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-131-40-1102	B2K0146-08	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-102-S1-1102	B2K0263-05	6020	Barium	0.0100	U	mg/l	
CG-102-S1-1102	B2K0263-05	6020	Copper	0.00158		mg/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-1102	B2K0263-05	6020	Lead	0.00100	U	mg/l	
CG-102-S1-1102	B2K0263-05	6020	Manganese	0.0452		mg/l	
CG-102-S1-1102	B2K0263-05	6020	Nickel	0.00101		mg/l	
CG-102-S1-1102	B2K0263-05	6020	Selenium	0.00100	U	mg/l	
CG-102-S1-1102	B2K0263-05	6020	Silver	0.00100	U	mg/l	
CG-9-102-S1-1102	B2K0263-06	6020	Barium	0.0100	U	mg/l	0
CG-9-102-S1-1102	B2K0263-06	6020	Copper	0.00155		mg/l	2
CG-9-102-S1-1102	B2K0263-06	6020	Lead	0.00100	U	mg/l	0
CG-9-102-S1-1102	B2K0263-06	6020	Manganese	0.0445		mg/l	2
CG-9-102-S1-1102	B2K0263-06	6020	Nickel	0.00100	U	mg/l	1
CG-9-102-S1-1102	B2K0263-06	6020	Selenium	0.00100	U	mg/l	0
CG-9-102-S1-1102	B2K0263-06	6020	Silver	0.00100	U	mg/l	0
CG-102-S1-1102	B2K0263-05	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	
CG-102-S1-1102	B2K0263-05	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1016	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1221	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1232	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1242	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1248	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1254	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1260	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1262	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8082 Mod.	Aroclor 1268	0.100	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1016	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1221	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1232	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1242	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1248	0.100	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1254	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1260	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1262	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8082 Mod.	Aroclor 1268	0.100	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8260 Mod	1,1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	1,1-Dichloroethene	0.189		ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	Trichloroethene	0.282		ug/l	
CG-102-S1-1102	B2K0263-05	8260 Mod	Vinyl chloride	0.0200	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260 Mod	1,1-Dichloroethene	0.194		ug/l	3
CG-9-102-S1-1102	B2K0263-06	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260 Mod	Trichloroethene	0.325		ug/l	14
CG-9-102-S1-1102	B2K0263-06	8260 Mod	Vinyl chloride	0.0200	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8260B	1,1,1-Trichloroethane	12.2		ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,1-Dichloroethane	4.27		ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	2-Butanone	10.0	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-1102	B2K0263-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	2-Hexanone	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Acetone	25.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Benzene	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Bromoform	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Bromomethane	2.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Carbon disulfide	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Chlorobenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Chloroethane	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Chloroform	1.08		ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Chloromethane	2.50	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Ethanol	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Ethylbenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	m,p-Xylene	2.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Methylene chloride	5.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	n-Hexane	2.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Naphthalene	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	o-Xylene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Styrene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Toluene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-1102	B2K0263-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-102-S1-1102	B2K0263-05	8260B	Vinyl acetate	5.00	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8260B	1,1,1-Trichloroethane	12.4		ug/l	2
CG-9-102-S1-1102	B2K0263-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,1-Dichloroethane	4.4		ug/l	3
CG-9-102-S1-1102	B2K0263-06	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Acetone	25.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Benzene	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Bromoform	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Chloroform	1.07		ug/l	1
CG-9-102-S1-1102	B2K0263-06	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Ethanol	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	0



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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-1102	B2K0263-06	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Styrene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Toluene	1		ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2-Methylphenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-1102	B2K0263-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Acenaphthene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Acenaphthylene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Acetophenone	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Anthracene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Benzoic Acid	20.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Di-n-octyl phthalate	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Dibenzofuran	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Fluoranthene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Fluorene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Isophorone	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Phenanthrene	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Phenol	10.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C	Pyrene	10.0	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-1102	B2K0263-06	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Acenaphthylene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Acetophenone	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Anthracene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Benzoic Acid	20.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Fluorene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Isophorone	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-1102	B2K0263-06	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Phenol	10.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C	Pyrene	10.0	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0
CG-102-S1-1102	B2K0263-05	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Aniline	0.0500	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Benzo (a) anthracene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Bis(2-chloroethyl)ether	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Bis(2-ethylhexyl)phthalate	5.03	UBE	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Carbazole	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Chrysene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Dibenz (a,h) anthracene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Hexachloroethane	0.0200	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	
CG-102-S1-1102	B2K0263-05	8270-SIM	Nitrobenzene	0.0200	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-1102	B2K0263-06	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Aniline	0.0500	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Benzo (a) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Bis(2-chloroethyl)ether	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Bis(2-ethylhexyl)phthalate	4.3	UBE	ug/l	16
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Carbazole	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Chrysene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Dibenz (a,h) anthracene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Hexachloroethane	0.0200	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	8270-SIM	Nitrobenzene	0.0200	U	ug/l	0
CG-102-S1-1102	B2K0263-05	HG-6020	Arsenic	0.000673		mg/l	
CG-9-102-S1-1102	B2K0263-06	HG-6020	Arsenic	0.000617		mg/l	9
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-1102	B2K0263-05	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-102-S1-1102	B2K0263-05	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-1102	B2K0263-06	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-106-WT-1102	B2K0288-02	160.1	Total Dissolved Solids	58		mg/l	
CG-9-106-WT-1102	B2K0288-05	160.1	Total Dissolved Solids	80		mg/l	32

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-106-WT-1102	B2K0288-02	2320B	Bicarbonate Alkalinity	37.4		mg/L	
CG-106-WT-1102	B2K0288-02	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-106-WT-1102	B2K0288-02	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-106-WT-1102	B2K0288-02	2320B	Total Alkalinity	37.4		mg/L	
CG-9-106-WT-1102	B2K0288-05	2320B	Bicarbonate Alkalinity	37		mg/L	1
CG-9-106-WT-1102	B2K0288-05	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-106-WT-1102	B2K0288-05	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-106-WT-1102	B2K0288-05	2320B	Total Alkalinity	37		mg/L	1
CG-106-WT-1102	B2K0288-02	300.0	Chloride	5.28	D	mg/l	
CG-106-WT-1102	B2K0288-02	300.0	Nitrate-Nitrogen	0.259		mg/l	
CG-106-WT-1102	B2K0288-02	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-106-WT-1102	B2K0288-02	300.0	Sulfate	3.91		mg/l	
CG-9-106-WT-1102	B2K0288-05	300.0	Chloride	5.11	D	mg/l	3
CG-9-106-WT-1102	B2K0288-05	300.0	Nitrate-Nitrogen	0.269		mg/l	4
CG-9-106-WT-1102	B2K0288-05	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	300.0	Sulfate	3.82		mg/l	2
CG-106-WT-1102	B2K0288-02	350.3	Ammonia-Nitrogen	0.115		mg/l	
CG-9-106-WT-1102	B2K0288-05	350.3	Ammonia-Nitrogen	0.109		mg/l	5
CG-106-WT-1102	B2K0288-02	415.1	Total Organic Carbon	1.00	U	mg/l	
CG-9-106-WT-1102	B2K0288-05	415.1	Total Organic Carbon	1.00	U	mg/l	0
CG-106-WT-1102	B2K0288-02	4500-CO2 C	Carbon dioxide	5.00	U	mg/l	
CG-9-106-WT-1102	B2K0288-05	4500-CO2 C	Carbon dioxide	11.1		mg/l	--
CG-106-WT-1102	B2K0288-02	6010B	Calcium	11.4		mg/l	
CG-106-WT-1102	B2K0288-02	6010B	Iron	0.313		mg/l	
CG-106-WT-1102	B2K0288-02	6010B	Magnesium	2.13		mg/l	
CG-106-WT-1102	B2K0288-02	6010B	Potassium	2.35		mg/l	
CG-106-WT-1102	B2K0288-02	6010B	Sodium	3.38		mg/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-106-WT-1102	B2K0288-02	6020	Antimony	0.00300	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Barium	0.0100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Beryllium	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Cadmium	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Copper	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Lead	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Manganese	0.0313		mg/l	
CG-106-WT-1102	B2K0288-02	6020	Nickel	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Selenium	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Silver	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Thallium	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	6020	Mercury	0.00100	U	mg/l	
CG-106-WT-1102	B2K0288-02	7470A	Calcium	11.4		mg/l	0
CG-9-106-WT-1102	B2K0288-05	6010B	Iron	0.332		mg/l	6
CG-9-106-WT-1102	B2K0288-05	6010B	Magnesium	2.13		mg/l	0
CG-9-106-WT-1102	B2K0288-05	6010B	Potassium	2.34		mg/l	0
CG-9-106-WT-1102	B2K0288-05	6010B	Sodium	3.41		mg/l	1
CG-9-106-WT-1102	B2K0288-05	6010B	Antimony	0.00300	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Barium	0.0100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Beryllium	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Cadmium	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Copper	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Lead	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Manganese	0.0323		mg/l	3
CG-9-106-WT-1102	B2K0288-05	6020	Nickel	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Selenium	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Silver	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	6020	Thallium	0.00100	U	mg/l	0
CG-9-106-WT-1102	B2K0288-05	7470A	Mercury	0.00100	U	mg/l	0
CG-106-WT-1102	B2K0288-02	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	
CG-106-WT-1102	B2K0288-02	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	



2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8011	1,2-Dibromo-3-chloropropane	0.01	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1016	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1221	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1232	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1242	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1248	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1254	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1260	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1262	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8082 Mod.	Aroclor 1266	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1016	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1221	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1232	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1242	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1248	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1254	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1260	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1262	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8082 Mod.	Aroclor 1268	0.100	U	ug/l	0
CG-106-WT-1102	B2K0288-02	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	Tetrachloroethene	0.066		ug/l	
CG-106-WT-1102	B2K0288-02	8260 Mod	Vinyl chloride	0.0200	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	28
CG-9-106-WT-1102	B2K0288-05	8260 Mod	Vinyl chloride	0.0200	U	ug/l	0
CG-106-WT-1102	B2K0288-02	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	2-Butanone	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	2-Hexanone	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Acetone	25.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Benzene	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Bromoform	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Bromomethane	2.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Carbon disulfide	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Chlorobenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Chloroethane	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Chloroform	6.09	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Chloromethane	2.50	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	cis-1,2-Dichloroethene	1.1	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Diisopropyl ether	1.00	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-106-WT-1102	B2K0288-02	8260B	Ethanol	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Ethylbenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	m,p-Xylene	2.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Methylene chloride	5.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	n-Hexane	2.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Naphthalene	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	o-Xylene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Styrene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	tert-Butyl Alcohol	5.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Toluene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Trichloroethene	1.48		ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-106-WT-1102	B2K0288-02	8260B	Vinyl acetate	5.00	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8260B	Acetone	25.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Benzene	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Bromochloromethane	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Bromoform	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Chloroform	6.64	U	ug/l	9
CG-9-106-WT-1102	B2K0288-05	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	cis-1,2-Dichloroethene	1.12	U	ug/l	2
CG-9-106-WT-1102	B2K0288-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Ethanol	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Styrene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	tert-Butyl Alcohol	5.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Toluene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8260B	Trichloroethene	1.46	U	ug/l	1
CG-9-106-WT-1102	B2K0288-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-106-WT-1102	B2K0288-02	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2-Chloronaphthalene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2-Methylphenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2-Nitroaniline	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	3-Nitroaniline	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4-Chloroaniline	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Acenaphthene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Acenaphthylene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Acetophenone	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Anthracene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Benzoic Acid	20.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Benzyl alcohol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Butyl benzyl phthalate	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Di-n-butyl phthalate	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Di-n-octyl phthalate	10.0	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-106-WT-1102	B2K0288-02	8270C	Dibenzofuran	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Diethyl phthalate	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Dimethyl phthalate	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Fluoranthene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Fluorene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Isophorone	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Phenanthrene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Phenol	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C	Pyrene	10.0	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	8270C	1,2,4-Trichlorobenzene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2,4-Dinitrotoluene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2,6-Dinitrotoluene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2-Chloronaphthalene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2-Nitroaniline	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	3-Nitroaniline	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4-Bromophenyl phenyl ether	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4-Chloroaniline	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4-Chlorophenyl phenyl ether	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Acenaphthene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Acenaphthylene	10.0	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8270C	Acetophenone	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Anthracene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Benzoic Acid	20.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Benzyl alcohol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Bis(2-chloroethoxy)methane	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Bis(2-chloroisopropyl)ether	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Butyl benzyl phthalate	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Di-n-butyl phthalate	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Di-n-octyl phthalate	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Dibenzofuran	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Diethyl phthalate	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Dimethyl phthalate	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Fluoranthene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Fluorene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Hexachlorocyclopentadiene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Isophorone	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	N-Nitrosodiphenylamine	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Phenanthrene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Phenol	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C	Pyrene	10.0	U	ug/l	0
CG-106-WT-1102	B2K0288-02	8270C-SIM	1-Methylnaphthalene	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	1-Methylnaphthalene	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C-SIM	2,4,5-Trichlorophenol	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C-SIM	2-Methylnaphthalene	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-106-WT-1102	B2K0288-02	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Aniline	0.0500	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Benzo (a) anthracene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Bis(2-chloroethyl)ether	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Bis(2-ethylhexyl)phthalate	3.69	UB	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Carbazole	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Chrysene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Dibenz (a,h) anthracene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Hexachloroethane	0.0200	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	
CG-106-WT-1102	B2K0288-02	8270-SIM	Nitrobenzene	0.0200	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	8270-SIM	3,3'-Dichlorobenzidine	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	4-Nitroaniline	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Aniline	0.0500	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Benzo (a) anthracene	0.0655		ug/l	--
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Benzo (a) pyrene	0.0100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Benzo (b) fluoranthene	0.0100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Benzo (ghi) perylene	0.100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Benzo (k) fluoranthene	0.0100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Bis(2-chloroethyl)ether	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Bis(2-ethylhexyl)phthalate	3.08	UB	ug/l	--
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Carbazole	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Chrysene	0.601		ug/l	--
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Dibenz (a,h) anthracene	0.0312		ug/l	--



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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Hexachlorobenzene	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Hexachlorobutadiene	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Hexachloroethane	0.0200	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Indeno (1,2,3-cd) pyrene	0.0268		ug/l	--
CG-9-106-WT-1102	B2K0288-05	8270-SIM	N-Nitrosodi-n-propylamine	0.0100	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	8270-SIM	Nitrobenzene	0.0200	U	ug/l	0
CG-106-WT-1102	B2K0288-02	9030B	Sulfide	50.0	U	mg/l	
CG-9-106-WT-1102	B2K0288-05	9030B	Sulfide	50.0	U	mg/l	0
CG-106-WT-1102	B2K0288-02	HG-6020	Arsenic	0.000539		mg/l	
CG-9-106-WT-1102	B2K0288-05	HG-6020	Arsenic	0.0006		mg/l	11
CG-106-WT-1102	B2K0288-02	RSK 175	Ethane	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	RSK 175	Ethene	10.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	RSK 175	Methane	32.7		ug/l	
CG-9-106-WT-1102	B2K0288-05	RSK 175	Ethane	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	RSK 175	Ethene	10.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	RSK 175	Methane	34.3		ug/l	5
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-106-WT-1102	B2K0288-02	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-106-WT-1102	B2K0288-05	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-136-40-1102	B2K0321-04	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-136-40-1102	B2K0321-04	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260 Mod	1,2-Dichloroethane	0.208		ug/l	
CG-136-40-1102	B2K0321-04	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-136-40-1102	B2K0321-04	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	

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Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-136-40-1102	B2K0321-04	8260 Mod	Trichloroethene	0.12		ug/l	
CG-9-136-40-1102	B2K0321-05	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260 Mod	1,2-Dichloroethane	0.219		ug/l	5
CG-9-136-40-1102	B2K0321-05	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260 Mod	Trichloroethene	0.0200	U	ug/l	--
CG-136-40-1102	B2K0321-04	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,1-Dichloroethane	6.36		ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	2-Butanone	10.0	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	2-Hexanone	10.0	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Acetone	25.0	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Benzene	0.803		ug/l	
CG-136-40-1102	B2K0321-04	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Bromoform	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Bromomethane	2.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Carbon disulfide	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Chlorobenzene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Chloroethane	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Chloroform	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Chloromethane	2.50	U	ug/l	

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-136-40-1102	B2K0321-04	8260B	cis-1,2-Dichloroethene	1.75		ug/l	
CG-136-40-1102	B2K0321-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Ethylbenzene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	m,p-Xylene	2.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Methylene chloride	5.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Naphthalene	0.500	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	o-Xylene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Styrene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Toluene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-136-40-1102	B2K0321-04	8260B	Vinyl acetate	5.00	U	ug/l	
CG-136-40-1102	B2K0321-04RE1	8260B	Vinyl chloride	52.2	D	ug/l	
CG-9-136-40-1102	B2K0321-05	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,1-Dichloroethane	5.67		ug/l	11
CG-9-136-40-1102	B2K0321-05	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Acetone	25.0	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Benzene	0.734		ug/l	9
CG-9-136-40-1102	B2K0321-05	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Bromoform	1.00	U	ug/l	0

2002 fourth quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-136-40-1102	B2K0321-05	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Chloroform	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	cis-1,2-Dichloroethene	1.48	U	ug/l	17
CG-9-136-40-1102	B2K0321-05	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Styrene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Toluene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-136-40-1102	B2K0321-05RE1	8260B	Vinyl chloride	56.2	D	ug/l	7

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0203	B3B0029-02	6020	Barium	0.00400	U	mg/l	
CG-102-S1-0203	B3B0029-02	6020	Copper	0.00123		mg/l	
CG-102-S1-0203	B3B0029-02	6020	Manganese	0.0364		mg/l	
CG-102-S1-0203	B3B0029-02	6020	Nickel	0.00100	U	mg/l	
CG-102-S1-0203	B3B0029-02	6020	Selenium	0.00100	U	mg/l	
CG-102-S1-0203	B3B0029-02	6020	Silver	0.00100	U	mg/l	
CG-102-S1-0203	B3B0029-02	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	1,1-Dichloroethene	0.203		ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	Tetrachloroethene	0.103		ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	Trichloroethene	0.366		ug/l	
CG-102-S1-0203	B3B0029-02	8260 Mod	Vinyl chloride	0.0200	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,1,1-Trichloroethane	15.2		ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,1-Dichloroethane	3.52		ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	2-Butanone	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	2-Hexanone	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Acetone	25.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Benzene	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Bromoform	1.00	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0203	B3B0029-02	8260B	Bromomethane	2.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Carbon disulfide	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Chlorobenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Chloroethane	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Chloroform	1.56	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Chloromethane	2.50	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Ethanol	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Ethylbenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	m,p-Xylene	2.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Methylene chloride	5.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	n-Hexane	2.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Naphthalene	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	o-Xylene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Styrene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Toluene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8260B	Vinyl acetate	5.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2,4-Dinitrophenol	20.0	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0203	B3B0029-02	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2-Methylphenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C	Phenol	10.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C Mod	1,4-Dioxane	1.00	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	
CG-102-S1-0203	B3B0029-02	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-102-S1-0203	B3B0029-02	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-102-S1-0203	B3B0029-04	6020	Barium	0.00400	U	mg/l	0
CG-9-102-S1-0203	B3B0029-04	6020	Copper	0.00177	U	mg/l	36



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0203	B3B0029-04	6020	Manganese	0.0367		mg/l	1
CG-9-102-S1-0203	B3B0029-04	6020	Nickel	0.00100	U	mg/l	0
CG-9-102-S1-0203	B3B0029-04	6020	Selenium	0.00100	U	mg/l	0
CG-9-102-S1-0203	B3B0029-04	6020	Silver	0.00100	U	mg/l	0
CG-9-102-S1-0203	B3B0029-04	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260 Mod	1,1-Dichloroethene	0.2		ug/l	1
CG-9-102-S1-0203	B3B0029-04	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260 Mod	Tetrachloroethene	0.096		ug/l	7
CG-9-102-S1-0203	B3B0029-04	8260 Mod	Trichloroethene	0.346		ug/l	6
CG-9-102-S1-0203	B3B0029-04	8260 Mod	Vinyl chloride	0.0200	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,1,1-Trichloroethane	16.5		ug/l	8
CG-9-102-S1-0203	B3B0029-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,1-Dichloroethane	3.84		ug/l	9
CG-9-102-S1-0203	B3B0029-04	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Acetone	25.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Benzene	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Bromoform	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Carbon disulfide	0.500	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0203	B3B0029-04	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Chloroform	1.63		ug/l	4
CG-9-102-S1-0203	B3B0029-04	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Ethanol	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Styrene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Toluene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	2-Methylphenol	10.0	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0203	B3B0029-04	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C	Phenol	10.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C Mod	1,4-Dioxane	1.00	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-102-S1-0203	B3B0029-04	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-105-I-0203	B3B0103-06	160.1	Total Dissolved Solids	380		mg/l	
CG-105-I-0203	B3B0103-06	2320B	Bicarbonate Alkalinity	56.2		mg/L	
CG-105-I-0203	B3B0103-06	2320B	Carbonate Alkalinity	5.00	U	mg/L	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0203	B3B0103-06	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-105-I-0203	B3B0103-06	2320B	Total Alkalinity	56.2		mg/L	
CG-105-I-0203	B3B0103-06	300.0	Chloride	45	D	mg/l	
CG-105-I-0203	B3B0103-06	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-105-I-0203	B3B0103-06	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-105-I-0203	B3B0103-06	300.0	Sulfate	0.400	U	mg/l	
CG-105-I-0203	B3B0103-06	350.3	Ammonia-Nitrogen	3.24		mg/l	
CG-105-I-0203	B3B0103-06	3500-Fe D	Ferric Iron	0.875	J	mg/l	
CG-105-I-0203	B3B0103-06	3500-Fe D	Ferrous Iron	0.913	J	mg/l	
CG-105-I-0203	B3B0103-06	415.1	Total Organic Carbon	35.9	D	mg/l	
CG-105-I-0203	B3B0103-06	4500-CO2 C	Carbon dioxide	27.5		mg/l	
CG-105-I-0203	B3B0103-06	6010B	Calcium	4.29		mg/l	
CG-105-I-0203	B3B0103-06	6010B	Magnesium	6.46		mg/l	
CG-105-I-0203	B3B0103-06	6010B	Potassium	16.9		mg/l	
CG-105-I-0203	B3B0103-06	6010B	Sodium	99.7	D	mg/l	
CG-105-I-0203	B3B0103-06	6020	Barium	0.00561		mg/l	
CG-105-I-0203	B3B0103-06	6020	Copper	0.0124		mg/l	
CG-105-I-0203	B3B0103-06	6020	Manganese	0.0534		mg/l	
CG-105-I-0203	B3B0103-06	6020	Nickel	0.00100	U	mg/l	
CG-105-I-0203	B3B0103-06	6020	Selenium	0.00100	U	mg/l	
CG-105-I-0203	B3B0103-06	6020	Silver	0.00100	U	mg/l	
CG-105-I-0203	B3B0103-06	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	
CG-105-I-0203	B3B0103-06	8260B	cis-1,2-Dichloroethene	49600	D	ug/l	
CG-105-I-0203	B3B0103-06	8260B	Diisopropyl ether	1000	UD	ug/l	
CG-105-I-0203	B3B0103-06	8260B	Ethanol	50000	UD	ug/l	
CG-105-I-0203	B3B0103-06	8260B	Ethyl tert-butyl ether	1000	UD	ug/l	
CG-105-I-0203	B3B0103-06	8260B	tert-Amyl Methyl Ether	1000	UD	ug/l	
CG-105-I-0203	B3B0103-06	8260B	tert-Butyl Alcohol	50000	UD	ug/l	
CG-105-I-0203	B3B0103-06	8260B	Trichloroethene	49400	D	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2,4-Dimethylphenol	10.0	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0203	B3B0103-06	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2-Methylphenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C	Phenol	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C Mod	1,4-Dioxane	1.00	UJ	ug/l	
CG-105-I-0203	B3B0103-06	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-105-I-0203	B3B0103-06	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	
CG-105-I-0203	B3B0103-06	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-105-I-0203	B3B0103-06	9030B	Sulfide	20.0	U	mg/l	
CG-105-I-0203	B3B0103-06	RSK 175	Ethane	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	RSK 175	Ethene	10.0	U	ug/l	
CG-105-I-0203	B3B0103-06	RSK 175	Methane	31700		ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C10-C12 Aliphatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C10-C12 Aromatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C12-C13 Aromatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C5-C6 Aliphatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C6-C8 Aliphatics	12300	D	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C8-C10 Aliphatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	C8-C10 Aromatics	5000	UD	ug/l	
CG-105-I-0203	B3B0103-06	WA MTCA-VP	Total VPH (TVPH)	12300	D	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1,1-Trichloroethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1,2,2-Tetrachloroethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1,2-Trichloroethane	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1-Dichloroethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,1-Dichloroethene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,2,4-Trimethylbenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,2-Dichlorobenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,2-Dichloroethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,2-Dichloropropane	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,3,5-Trimethylbenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,3-Dichlorobenzene	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	1,4-Dichlorobenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	2-Butanone	2500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	2-Chloroethylvinyl ether	1250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	2-Hexanone	2500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	4-Methyl-2-pentanone	2500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Acetone	6250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Benzene	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Bromodichloromethane	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Bromoform	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Bromomethane	500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Carbon disulfide	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Carbon tetrachloride	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Chlorobenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Chloroethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Chloroform	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Chloromethane	625	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	cis-1,3-Dichloropropene	250	UD	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-105-I-0203	B3B0103-06RE1	8260B	Dibromochloromethane	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Ethylbenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	m,p-Xylene	500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Methyl tert-butyl ether	1250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Methylene chloride	1250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	n-Butylbenzene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	n-Hexane	500	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Naphthalene	125	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	o-Xylene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Styrene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Tetrachloroethene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Toluene	430	D	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	trans-1,2-Dichloroethene	6540	D	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	trans-1,3-Dichloropropene	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Trichlorofluoromethane	250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Vinyl acetate	1250	UD	ug/l	
CG-105-I-0203	B3B0103-06RE1	8260B	Vinyl chloride	1170	D	ug/l	
CG-9-105-I-0203	B3B0103-07	160.1	Total Dissolved Solids	360		mg/l	5
CG-9-105-I-0203	B3B0103-07	2320B	Bicarbonate Alkalinity	58.6		mg/L	4
CG-9-105-I-0203	B3B0103-07	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-105-I-0203	B3B0103-07	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-105-I-0203	B3B0103-07	2320B	Total Alkalinity	58.6		mg/L	4
CG-9-105-I-0203	B3B0103-07	300.0	Chloride	43.3	D	mg/l	4
CG-9-105-I-0203	B3B0103-07	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	300.0	Sulfate	0.400	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	350.3	Ammonia-Nitrogen	3.27		mg/l	1
CG-9-105-I-0203	B3B0103-07	3500-Fe D	Ferric Iron	0.968	J	mg/l	10
CG-9-105-I-0203	B3B0103-07	3500-Fe D	Ferrous Iron	0.853	J	mg/l	7
CG-9-105-I-0203	B3B0103-07	415.1	Total Organic Carbon	76.1	D	mg/l	72
CG-9-105-I-0203	B3B0103-07	4500-CO2 C	Carbon dioxide	28.3		mg/l	3
CG-9-105-I-0203	B3B0103-07	6010B	Calcium	4.38		mg/l	2

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0203	B3B0103-07	6010B	Magnesium	6.7		mg/l	4
CG-9-105-I-0203	B3B0103-07	6010B	Potassium	16.8		mg/l	1
CG-9-105-I-0203	B3B0103-07	6010B	Sodium	98.1	D	mg/l	2
CG-9-105-I-0203	B3B0103-07	6020	Barium	0.00501		mg/l	11
CG-9-105-I-0203	B3B0103-07	6020	Copper	0.00948		mg/l	27
CG-9-105-I-0203	B3B0103-07	6020	Manganese	0.0486		mg/l	9
CG-9-105-I-0203	B3B0103-07	6020	Nickel	0.00100	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	6020	Selenium	0.00100	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	6020	Silver	0.00100	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	cis-1,2-Dichloroethene	47800	D	ug/l	4
CG-9-105-I-0203	B3B0103-07	8260B	Diisopropyl ether	1000	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	Ethanol	50000	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	Ethyl tert-butyl ether	1000	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	tert-Amyl Methyl Ether	1000	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	tert-Butyl Alcohol	50000	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07	8260B	Trichloroethene	46400	D	ug/l	6
CG-9-105-I-0203	B3B0103-07	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C	Phenol	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C Mod	1,4-Dioxane	1.00	UJ	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0203	B3B0103-07	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	9030B	Sulfide	20.0	U	mg/l	0
CG-9-105-I-0203	B3B0103-07	RSK 175	Ethane	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	RSK 175	Ethene	10.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	RSK 175	Methane	30100		ug/l	5
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	C8-C10 Aliphatics	55.6		ug/l	11
CG-9-105-I-0203	B3B0103-07	WA MTCA-EP	Extractable Petroleum Hydrocarbons	55.6		ug/l	11
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C10-C12 Aliphatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C10-C12 Aromatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C12-C13 Aromatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C5-C6 Aliphatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C6-C8 Aliphatics	13500	D	ug/l	9
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C8-C10 Aliphatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	C8-C10 Aromatics	10000	UD	ug/l	NC
CG-9-105-I-0203	B3B0103-07	WA MTCA-VP	Total VPH (TVPH)	13500	D	ug/l	9
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1,1-Trichloroethane	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1,2,2-Tetrachloroethane	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1,2-Trichloroethane	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1-Dichloroethane	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,1-Dichloroethene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,2,4-Trimethylbenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,2-Dichlorobenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,2-Dichloroethane	250	UD	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,2-Dichloropropane	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,3,5-Trimethylbenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,3-Dichlorobenzene	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	1,4-Dichlorobenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	2-Butanone	2500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	2-Chloroethylvinyl ether	1250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	2-Hexanone	2500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	4-Methyl-2-pentanone	2500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Acetone	6250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Benzene	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Bromodichloromethane	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Bromoform	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Bromomethane	500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Carbon disulfide	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Carbon tetrachloride	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Chlorobenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Chloroethane	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Chloroform	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Chloromethane	625	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	cis-1,3-Dichloropropene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Dibromochloromethane	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Ethylbenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	m,p-Xylene	500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Methyl tert-butyl ether	1250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Methylene chloride	1250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	n-Butylbenzene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	n-Hexane	500	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Naphthalene	125	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	o-Xylene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Styrene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Tetrachloroethene	250	UD	ug/l	0
CG-9-105-I-0203	B3B0103-07RE1	8260B	Toluene	425	D	ug/l	1

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-105-1-0203	B3B0103-07RE1	8260B	trans-1,2-Dichloroethene	7000	D	ug/l	7
CG-9-105-1-0203	B3B0103-07RE1	8260B	trans-1,3-Dichloropropene	250	UD	ug/l	0
CG-9-105-1-0203	B3B0103-07RE1	8260B	Trichlorofluoromethane	250	UD	ug/l	0
CG-9-105-1-0203	B3B0103-07RE1	8260B	Vinyl acetate	1250	UD	ug/l	0
CG-9-105-1-0203	B3B0103-07RE1	8260B	Vinyl chloride	1370	D	ug/l	16
CG-123-90-0203	B3B0201-07	160.1	Total Dissolved Solids	2000		mg/l	
CG-123-90-0203	B3B0201-07	2320B	Bicarbonate Alkalinity	231		mg/L	
CG-123-90-0203	B3B0201-07	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-123-90-0203	B3B0201-07	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-123-90-0203	B3B0201-07	2320B	Total Alkalinity	231		mg/L	
CG-123-90-0203	B3B0201-07	300.0	Chloride	1100	D	mg/l	
CG-123-90-0203	B3B0201-07	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-123-90-0203	B3B0201-07	300.0	Nitrite-Nitrogen	1.00	UD	mg/l	
CG-123-90-0203	B3B0201-07	300.0	Sulfate	0.400	U	mg/l	
CG-123-90-0203	B3B0201-07	350.3	Ammonia-Nitrogen	11.9		mg/l	
CG-123-90-0203	B3B0201-07	3500-Fe D	Ferric Iron	9.55	J	mg/l	
CG-123-90-0203	B3B0201-07	3500-Fe D	Ferrous Iron	2.50	UDJ	mg/l	
CG-123-90-0203	B3B0201-07	415.1	Total Organic Carbon	37.4	D	mg/l	
CG-123-90-0203	B3B0201-07	4500-CO2 C	Carbon dioxide	47		mg/l	
CG-123-90-0203	B3B0201-07	6010B	Calcium	59.7		mg/l	
CG-123-90-0203	B3B0201-07	6010B	Magnesium	82.2		mg/l	
CG-123-90-0203	B3B0201-07	6010B	Potassium	53.8		mg/l	
CG-123-90-0203	B3B0201-07	6010B	Sodium	535	D	mg/l	
CG-123-90-0203	B3B0201-07	6020	Barium	0.0175		mg/l	
CG-123-90-0203	B3B0201-07	6020	Copper	0.00100	U	mg/l	
CG-123-90-0203	B3B0201-07	6020	Manganese	0.47	D	mg/l	
CG-123-90-0203	B3B0201-07	6020	Nickel	0.00100	U	mg/l	
CG-123-90-0203	B3B0201-07	6020	Selenium	0.00100	U	mg/l	
CG-123-90-0203	B3B0201-07	6020	Silver	0.00100	U	mg/l	
CG-123-90-0203	B3B0201-07	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0203	B3B0201-07	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-123-90-0203	B3B0201-07	8260 Mod	Vinyl chloride	0.206	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	2-Butanone	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	2-Hexanone	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Acetone	25.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Benzene	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Bromoform	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Bromomethane	2.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Carbon disulfide	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Chlorobenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Chloroethane	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Chloroform	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Chloromethane	2.50	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0203	B3B0201-07	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Ethanol	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Ethylbenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	m,p-Xylene	2.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Methylene chloride	5.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	n-Butylbenzene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	n-Hexane	2.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Naphthalene	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	o-Xylene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Styrene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Toluene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8260B	Vinyl acetate	5.00	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2,4-Dichlorophenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2,4-Dimethylphenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2,4-Dinitrophenol	20.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2-Chlorophenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2-Methylphenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	2-Nitrophenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	3 & 4-Methylphenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	4-Nitrophenol	10.0	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C	Phenol	10.0	U	ug/l	



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0203	B3B0201-07	8270C Mod	1,4-Dioxane	5.11		ug/l	
CG-123-90-0203	B3B0201-07	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	
CG-123-90-0203	B3B0201-07	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-123-90-0203	B3B0201-07	9030B	Sulfide	20.0	U	mg/l	
CG-123-90-0203	B3B0201-07	RSK 175	Ethane	174		ug/l	
CG-123-90-0203	B3B0201-07	RSK 175	Ethene	100	U	ug/l	
CG-123-90-0203	B3B0201-07	RSK 175	Methane	45700		ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	C8-C10 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-123-90-0203	B3B0201-07	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-123-90-0203	B3B0201-08	160.1	Total Dissolved Solids	1900		mg/l	5
CG-9-123-90-0203	B3B0201-08	2320B	Bicarbonate Alkalinity	231		mg/L	0
CG-9-123-90-0203	B3B0201-08	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-123-90-0203	B3B0201-08	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-123-90-0203	B3B0201-08	2320B	Total Alkalinity	231		mg/L	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0203	B3B0201-08	300.0	Chloride	1180	D	mg/l	7
CG-9-123-90-0203	B3B0201-08	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	300.0	Nitrite-Nitrogen	1.00	UD	mg/l	0
CG-9-123-90-0203	B3B0201-08	300.0	Sulfate	0.400	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	350.3	Ammonia-Nitrogen	11.9	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	3500-Fe D	Ferric Iron	9.27	J	mg/l	3
CG-9-123-90-0203	B3B0201-08	3500-Fe D	Ferrous Iron	2.50	UDJ	mg/l	0
CG-9-123-90-0203	B3B0201-08	415.1	Total Organic Carbon	46.4	D	mg/l	21
CG-9-123-90-0203	B3B0201-08	4500-CO2 C	Carbon dioxide	51	D	mg/l	8
CG-9-123-90-0203	B3B0201-08	6010B	Calcium	58.9	U	mg/l	1
CG-9-123-90-0203	B3B0201-08	6010B	Magnesium	80	U	mg/l	3
CG-9-123-90-0203	B3B0201-08	6010B	Potassium	50	U	mg/l	7
CG-9-123-90-0203	B3B0201-08	6010B	Sodium	515	D	mg/l	4
CG-9-123-90-0203	B3B0201-08	6020	Barium	0.0175	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	6020	Copper	0.00100	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	6020	Manganese	0.502	D	mg/l	7
CG-9-123-90-0203	B3B0201-08	6020	Nickel	0.00100	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	6020	Selenium	0.00100	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	6020	Silver	0.00100	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	8011	1,2-Dibromoethane (EDB)	0.01	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260 Mod	Vinyl chloride	0.195	U	ug/l	5
CG-9-123-90-0203	B3B0201-08	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,1-Dichloroethane	1.00	U	ug/l	0



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0203	B3B0201-08	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Acetone	25.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Benzene	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Bromoform	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Chloroform	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Ethanol	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Ethyl tert-butyl ether	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	n-Butylbenzene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Naphthalene	0.500	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0203	B3B0201-08	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Styrene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Toluene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2,4,5-Trichlorophenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2,4-Dichlorophenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2,4-Dimethylphenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2,4-Dinitrophenol	20.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2-Chlorophenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2-Methylphenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	2-Nitrophenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	3 & 4-Methylphenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	4,6-Dinitro-2-methylphenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	4-Chloro-3-methylphenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	4-Nitrophenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C	Phenol	10.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C Mod	1,4-Dioxane	2.87	U	ug/l	56
CG-9-123-90-0203	B3B0201-08	8270C-SIM	2,4,6-Trichlorophenol	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	8270C-SIM	Pentachlorophenol	0.500	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	9010B	Cyanide (total)	0.0100	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	9030B	Sulfide	20.0	U	mg/l	0
CG-9-123-90-0203	B3B0201-08	RSK 175	Ethane	327	U	ug/l	61
CG-9-123-90-0203	B3B0201-08	RSK 175	Ethene	100	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	RSK 175	Methane	43900	U	ug/l	4
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-123-90-0203	B3B0201-08	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0
CG-135-40-0203	B3B0359-02	160.1	Total Dissolved Solids	330		mg/l	
CG-135-40-0203	B3B0359-02	2320B	Bicarbonate Alkalinity	241		mg/L	
CG-135-40-0203	B3B0359-02	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-135-40-0203	B3B0359-02	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-135-40-0203	B3B0359-02	2320B	Total Alkalinity	241		mg/L	
CG-135-40-0203	B3B0359-02	300.0	Chloride	30.6	D	mg/l	
CG-135-40-0203	B3B0359-02	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-135-40-0203	B3B0359-02	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-135-40-0203	B3B0359-02	300.0	Sulfate	0.400	U	mg/l	
CG-135-40-0203	B3B0359-02	350.3	Ammonia-Nitrogen	0.634		mg/l	
CG-135-40-0203	B3B0359-02	3500-Fe D	Ferric Iron	22.4	J	mg/l	
CG-135-40-0203	B3B0359-02	3500-Fe D	Ferrous Iron	14.4	DJ	mg/l	
CG-135-40-0203	B3B0359-02	415.1	Total Organic Carbon	40.5	D	mg/l	
CG-135-40-0203	B3B0359-02	4500-CO2 C	Carbon dioxide	78		mg/l	
CG-135-40-0203	B3B0359-02	6010B	Calcium	25.9		mg/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-135-40-0203	B3B0359-02	6010B	Magnesium	25.1		mg/l	
CG-135-40-0203	B3B0359-02	6010B	Potassium	12.7		mg/l	
CG-135-40-0203	B3B0359-02	6010B	Sodium	46.8		mg/l	
CG-135-40-0203	B3B0359-02	6020	Manganese	1.16	D	mg/l	
CG-135-40-0203	B3B0359-02	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	1,2-Dichloroethane	0.342		ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,1-Dichloroethane	6.23		ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	2-Butanone	10.0	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	2-Hexanone	10.0	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Acetone	25.0	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Benzene	0.556		ug/l	
CG-135-40-0203	B3B0359-02	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Bromoform	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Bromomethane	2.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Carbon disulfide	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Chlorobenzene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Chloroethane	46.8		ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-135-40-0203	B3B0359-02	8260B	Chloroform	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Chloromethane	2.50	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Ethylbenzene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	m,p-Xylene	2.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Methylene chloride	5.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	n-Hexane	2.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Naphthalene	0.500	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	o-Xylene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Styrene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Toluene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Vinyl acetate	5.00	U	ug/l	
CG-135-40-0203	B3B0359-02	8260B	Vinyl chloride	4.56		ug/l	
CG-135-40-0203	B3B0359-02	9010B	Cyanide (total)	0.0100	U	mg/l	
CG-135-40-0203	B3B0359-02	9030B	Sulfide	20.0	U	mg/l	
CG-135-40-0203	B3B0359-02	RSK 175	Ethane	549		ug/l	
CG-135-40-0203	B3B0359-02	RSK 175	Ethene	641		ug/l	
CG-135-40-0203	B3B0359-02	RSK 175	Methane	24000		ug/l	
CG-9-135-40-0203	B3B0359-03	160.1	Total Dissolved Solids	330		mg/l	0
CG-9-135-40-0203	B3B0359-03	2320B	Bicarbonate Alkalinity	246		mg/L	2
CG-9-135-40-0203	B3B0359-03	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-135-40-0203	B3B0359-03	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-135-40-0203	B3B0359-03	2320B	Total Alkalinity	246		mg/L	2
CG-9-135-40-0203	B3B0359-03	300.0	Chloride	31.1	D	mg/l	2
CG-9-135-40-0203	B3B0359-03	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-135-40-0203	B3B0359-03	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-135-40-0203	B3B0359-03	300.0	Sulfate	0.400	U	mg/l	0
CG-9-135-40-0203	B3B0359-03	350.3	Ammonia-Nitrogen	0.591		mg/l	7
CG-9-135-40-0203	B3B0359-03	3500-Fe D	Ferric Iron	25.3	J	mg/l	12
CG-9-135-40-0203	B3B0359-03	3500-Fe D	Ferrous Iron	14.8	DJ	mg/l	3
CG-9-135-40-0203	B3B0359-03	415.1	Total Organic Carbon	38.6	D	mg/l	5
CG-9-135-40-0203	B3B0359-03	4500-CO2 C	Carbon dioxide	115		mg/l	38
CG-9-135-40-0203	B3B0359-03	6010B	Calcium	25.4		mg/l	2
CG-9-135-40-0203	B3B0359-03	6010B	Magnesium	24.7		mg/l	2
CG-9-135-40-0203	B3B0359-03	6010B	Potassium	11.9		mg/l	7
CG-9-135-40-0203	B3B0359-03	6010B	Sodium	45.2		mg/l	3
CG-9-135-40-0203	B3B0359-03	6020	Manganese	1.16	D	mg/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	1,2-Dichloroethane	0.34		ug/l	1
CG-9-135-40-0203	B3B0359-03	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,1-Dichloroethane	6.17		ug/l	1
CG-9-135-40-0203	B3B0359-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Acetone	25.0	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-135-40-0203	B3B0359-03	8260B	Benzene	0.551		ug/l	1
CG-9-135-40-0203	B3B0359-03	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Bromoform	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Chloroethane	45.2		ug/l	3
CG-9-135-40-0203	B3B0359-03	8260B	Chloroform	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Styrene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Toluene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-135-40-0203	B3B0359-03	9010B	Cyanide (total)	0.0100	U	mg/l	199
CG-9-135-40-0203	B3B0359-03	9030B	Sulfide	20.0	U	mg/l	200
CG-9-135-40-0203	B3B0359-03	RSK 175	Ethane	590		ug/l	7
CG-9-135-40-0203	B3B0359-03	RSK 175	Ethene	674		ug/l	5
CG-9-135-40-0203	B3B0359-03	RSK 175	Methane	21900		ug/l	9

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-145-35-0203	B3B0412-07	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Vinyl chloride	0.07		ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,1-Dichloroethane	1.06		ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	2-Butanone	10.0	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	2-Hexanone	10.0	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Acetone	25.0	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Benzene	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Bromoform	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Bromomethane	2.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Carbon disulfide	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Chlorobenzene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Chloroethane	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Chloroform	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Chloromethane	2.50	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-145-35-0203	B3B0412-07	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Ethylbenzene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	m,p-Xylene	2.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Methylene chloride	5.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	n-Hexane	2.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Naphthalene	0.500	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	o-Xylene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Styrene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Toluene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-145-35-0203	B3B0412-07	8260B	Vinyl acetate	5.00	U	ug/l	
CG-145-35-0203	B3B0412-07	9030B	Sulfide	20.0	U	mg/l	
CG-145-35-0203	B3B0412-07	RSK 175	Ethane	10.0	U	ug/l	
CG-145-35-0203	B3B0412-07	RSK 175	Ethene	10.0	U	ug/l	
CG-145-35-0203	B3B0412-07	RSK 175	Methane	13200	U	ug/l	
CG-9-145-35-0203	B3B0412-08	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260 Mod	Vinyl chloride	0.072		ug/l	3
CG-9-145-35-0203	B3B0412-08	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,1-Dichloroethane	1.01	U	ug/l	5
CG-9-145-35-0203	B3B0412-08	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-145-35-0203	B3B0412-08	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Acetone	25.0	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Benzene	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Bromoform	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Chloroform	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Styrene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Toluene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-145-35-0203	B3B0412-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-145-35-0203	B3B0412-08	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-102-S1-0503	B3E0166-02	3114C/6020	Arsenic	0.000334		mg/l	
CG-102-S1-0503	B3E0166-02	3114C/6020	Arsenic	0.000675		mg/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	1,1-Dichloroethene	0.121		ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	Tetrachloroethene	0.09		ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	Trichloroethene	0.287		ug/l	
CG-102-S1-0503	B3E0166-02	8260 Mod	Vinyl chloride	0.0200	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,1,1-Trichloroethane	6.68		ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,1-Dichloroethane	2.15		ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,2-Dichloropropane	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	2-Butanone	10.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	2-Hexanone	10.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Acetone	25.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Benzene	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Bromoform	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Bromomethane	2.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Carbon disulfide	0.500	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-102-S1-0503	B3E0166-02	8260B	Chlorobenzene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Chloroethane	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Chloroform	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Chloromethane	2.50	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Ethanol	50.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Ethylbenzene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	m,p-Xylene	2.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Methylene chloride	5.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	n-Hexane	2.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Naphthalene	0.500	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	o-Xylene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Styrene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Toluene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8260B	Vinyl acetate	5.00	U	ug/l	
CG-102-S1-0503	B3E0166-02	8270C Mod	1,4-Dioxane	1.00	U	ug/l	
CG-9-102-S1-0503	B3E0166-03	3114C/6020	Arsenic	0.000335		mg/l	0
CG-9-102-S1-0503	B3E0166-03	3114C/6020	Arsenic	0.000584		mg/l	14
CG-9-102-S1-0503	B3E0166-03	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260 Mod	1,1-Dichloroethene	0.133		ug/l	9
CG-9-102-S1-0503	B3E0166-03	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0503	B3E0166-03	8260 Mod	Tetrachloroethene	0.099		ug/l	10
CG-9-102-S1-0503	B3E0166-03	8260 Mod	Trichloroethene	0.313		ug/l	9
CG-9-102-S1-0503	B3E0166-03	8260 Mod	Vinyl chloride	0.0200	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,1,1-Trichloroethane	6.45		ug/l	4
CG-9-102-S1-0503	B3E0166-03	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,1-Dichloroethane	2.1		ug/l	2
CG-9-102-S1-0503	B3E0166-03	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Acetone	25.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Benzene	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Bromoform	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Chloroform	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Ethanol	50.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Ethylbenzene	1.00	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-102-S1-0503	B3E0166-03	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Styrene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Toluene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-102-S1-0503	B3E0166-03	8270C Mod	1,4-Dioxane	1.00	U	ug/l	0
CG-103-I-0503	B3E0166-08	3114C/6020	Arsenic	0.0000613	U	mg/l	
CG-103-I-0503	B3E0166-08	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-103-I-0503	B3E0166-08	8260 Mod	Vinyl chloride	2.26		ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,2-Dichloropropane	0.500	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-103-I-0503	B3E0166-08	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	2-Butanone	10.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	2-Hexanone	10.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Acetone	25.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Benzene	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Bromoform	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Bromomethane	2.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Carbon disulfide	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Chlorobenzene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Chloroethane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Chloroform	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Chloromethane	2.50	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Ethanol	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Ethylbenzene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	m,p-Xylene	2.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Methylene chloride	5.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	n-Hexane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Naphthalene	0.500	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	o-Xylene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Styrene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Toluene	1.00	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-103-I-0503	B3E0166-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8260B	Vinyl acetate	5.00	U	ug/l	
CG-103-I-0503	B3E0166-08	8270C Mod	1,4-Dioxane	1.00	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	C8-C10 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	
CG-103-I-0503	B3E0166-08	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	
CG-9-103-I-0503	B3E0166-09	3114C/6020	Arsenic	0.0000615	U	mg/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260 Mod	Trichloroethene	0.0200	U	ug/l	0



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-103-I-0503	B3E0166-09	8260 Mod	Vinyl chloride	2.09		ug/l	8
CG-9-103-I-0503	B3E0166-09	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Acetone	25.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Benzene	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Bromoform	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Chloroform	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Dibromochloromethane	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Ethanol	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-103-I-0503	B3E0166-09	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	n-Hexane	2.00	U	ug/l	67
CG-9-103-I-0503	B3E0166-09	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Styrene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Toluene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	8270C Mod	1,4-Dioxane	1.00	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C12-C16 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C12-C16 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C16-C21 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C16-C21 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C21-C34 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C21-C34 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-EP	Extractable Petroleum Hydrocarbons	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C10-C12 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C10-C12 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C12-C13 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C5-C6 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C6-C8 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C8-C10 Aliphatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	C8-C10 Aromatics	50.0	U	ug/l	0
CG-9-103-I-0503	B3E0166-09	WA MTCA-VP	Total VPH (TVPH)	50.0	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0503	B3E0351-07	160.1	Total Dissolved Solids	2300		mg/l	
CG-123-90-0503	B3E0351-07	2320B	Bicarbonate Alkalinity	238		mg/L	
CG-123-90-0503	B3E0351-07	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-123-90-0503	B3E0351-07	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-123-90-0503	B3E0351-07	2320B	Total Alkalinity	238		mg/L	
CG-123-90-0503	B3E0351-07	300.0	Chloride	1070	D	mg/l	
CG-123-90-0503	B3E0351-07	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-123-90-0503	B3E0351-07	300.0	Nitrite-Nitrogen	2.00	UD	mg/l	
CG-123-90-0503	B3E0351-07	300.0	Sulfate	0.400	U	mg/l	
CG-123-90-0503	B3E0351-07	3114C/6020	Arsenic	0.0000722		mg/l	
CG-123-90-0503	B3E0351-07	350.3	Ammonia-Nitrogen	11.6		mg/l	
CG-123-90-0503	B3E0351-07	415.1	Total Organic Carbon	31.3	DJ	mg/l	
CG-123-90-0503	B3E0351-07	4500-CO2 C	Carbon dioxide	45.2		mg/l	
CG-123-90-0503	B3E0351-07	6010B	Magnesium	76.3		mg/l	
CG-123-90-0503	B3E0351-07	6010B	Sodium	0.250	U	mg/l	
CG-123-90-0503	B3E0351-07	6020	Manganese	0.461	D	mg/l	
CG-123-90-0503	B3E0351-07	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	Trichloroethene	0.0200	U	ug/l	
CG-123-90-0503	B3E0351-07	8260 Mod	Vinyl chloride	0.47	UJ	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,1-Dichloroethane	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,2-Dichloropropane	0.500	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0503	B3E0351-07	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	2-Butanone	10.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	2-Hexanone	10.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Acetone	25.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Benzene	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Bromodichloromethane	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Bromoform	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Bromomethane	2.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Carbon disulfide	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Chlorobenzene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Chloroethane	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Chloroform	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Chloromethane	2.50	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Dibromochloromethane	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Ethanol	50.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Ethylbenzene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	m,p-Xylene	2.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Methylene chloride	5.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	n-Hexane	2.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Naphthalene	0.500	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	o-Xylene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Styrene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Toluene	1.00	U	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-123-90-0503	B3E0351-07	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Trichlorofluoromethane	1.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8260B	Vinyl acetate	5.00	U	ug/l	
CG-123-90-0503	B3E0351-07	8270C Mod	1,4-Dioxane	3.92		ug/l	
CG-123-90-0503	B3E0351-07	9030B	Sulfide	20.0	U	mg/l	
CG-123-90-0503	B3E0351-07	RSK 175	Ethane	47.6		ug/l	
CG-123-90-0503	B3E0351-07	RSK 175	Ethene	10.0	U	ug/l	
CG-123-90-0503	B3E0351-07	RSK 175	Methane	44100		ug/l	
CG-123-90-0503	B3E0351-07RE1	6010B	Calcium	54.6		mg/l	
CG-123-90-0503	B3E0351-07RE1	6010B	Iron	10.9		mg/l	
CG-123-90-0503	B3E0351-07RE1	6010B	Potassium	51.5		mg/l	
CG-123-90-0503	B3E0351-07RE1	FIELD	Ferrous Iron	2.92		mg/l	
CG-123-90-0503	B3E0351-07RE1	LAB-CALC	Ferric Iron	7.98		mg/l	
CG-9-123-90-0503	B3E0351-08	160.1	Total Dissolved Solids	2200		mg/l	4
CG-9-123-90-0503	B3E0351-08	2320B	Bicarbonate Alkalinity	237		mg/L	0
CG-9-123-90-0503	B3E0351-08	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-123-90-0503	B3E0351-08	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-123-90-0503	B3E0351-08	2320B	Total Alkalinity	237		mg/L	0
CG-9-123-90-0503	B3E0351-08	300.0	Chloride	1070	D	mg/l	0
CG-9-123-90-0503	B3E0351-08	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-123-90-0503	B3E0351-08	300.0	Nitrite-Nitrogen	2.00	UD	mg/l	0
CG-9-123-90-0503	B3E0351-08	300.0	Sulfate	0.400	U	mg/l	0
CG-9-123-90-0503	B3E0351-08	3114C/6020	Arsenic	0.0000676		mg/l	7
CG-9-123-90-0503	B3E0351-08	350.3	Ammonia-Nitrogen	12.1		mg/l	4
CG-9-123-90-0503	B3E0351-08	415.1	Total Organic Carbon	32.8	DJ	mg/l	5
CG-9-123-90-0503	B3E0351-08	4500-CO2 C	Carbon dioxide	46.1		mg/l	2
CG-9-123-90-0503	B3E0351-08	6010B	Magnesium	76.7		mg/l	1
CG-9-123-90-0503	B3E0351-08	6010B	Sodium	0.250	U	mg/l	0
CG-9-123-90-0503	B3E0351-08	6020	Manganese	0.467	D	mg/l	1
CG-9-123-90-0503	B3E0351-08	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0503	B3E0351-08	8260 Mod	1,2-Dichloroethane	0.100	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	Trichloroethene	0.0200	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260 Mod	Vinyl chloride	0.418	U	ug/l	12
CG-9-123-90-0503	B3E0351-08	8260B	1,1,1-Trichloroethane	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,1,2-Trichloroethane	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,1-Dichloroethane	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,2,4-Trimethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,2-Dichlorobenzene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,2-Dichloropropane	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,3,5-Trimethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	1,3-Dichlorobenzene	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	2-Butanone	10.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	2-Chloroethylvinyl ether	5.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	2-Hexanone	10.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	4-Methyl-2-pentanone	10.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Acetone	25.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Benzene	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Bromodichloromethane	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Bromoform	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Bromomethane	2.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Carbon disulfide	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Chlorobenzene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Chloroethane	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Chloroform	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Chloromethane	2.50	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	cis-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	cis-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Dibromochloromethane	0.500	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-123-90-0503	B3E0351-08	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Ethanol	50.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Ethylbenzene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	m,p-Xylene	2.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Methylene chloride	5.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	n-Hexane	2.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Naphthalene	0.500	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	o-Xylene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Styrene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Toluene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	trans-1,2-Dichloroethene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	trans-1,3-Dichloropropene	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Trichlorofluoromethane	1.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8260B	Vinyl acetate	5.00	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	8270C Mod	1,4-Dioxane	4.28	U	ug/l	9
CG-9-123-90-0503	B3E0351-08	9030B	Sulfide	20.0	U	mg/l	0
CG-9-123-90-0503	B3E0351-08	RSK 175	Ethane	38.2	U	ug/l	22
CG-9-123-90-0503	B3E0351-08	RSK 175	Ethene	10.0	U	ug/l	0
CG-9-123-90-0503	B3E0351-08	RSK 175	Methane	32300	U	ug/l	31
CG-9-123-90-0503	B3E0351-08RE1	6010B	Calcium	56		mg/l	3
CG-9-123-90-0503	B3E0351-08RE1	6010B	Iron	11.1		mg/l	2
CG-9-123-90-0503	B3E0351-08RE1	6010B	Potassium	55.3		mg/l	7
CG-104-I-0503	B3E0501-05	160.1	Total Dissolved Solids	280		mg/l	
CG-104-I-0503	B3E0501-05	2320B	Bicarbonate Alkalinity	150		mg/L	
CG-104-I-0503	B3E0501-05	2320B	Carbonate Alkalinity	5.00	U	mg/L	
CG-104-I-0503	B3E0501-05	2320B	Hydroxide Alkalinity	5.00	U	mg/L	
CG-104-I-0503	B3E0501-05	2320B	Total Alkalinity	150		mg/L	
CG-104-I-0503	B3E0501-05	300.0	Chloride	20.5	DJ	mg/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-104-I-0503	B3E0501-05	300.0	Nitrate-Nitrogen	0.200	U	mg/l	
CG-104-I-0503	B3E0501-05	300.0	Nitrite-Nitrogen	0.200	U	mg/l	
CG-104-I-0503	B3E0501-05	300.0	Sulfate	0.400	U	mg/l	
CG-104-I-0503	B3E0501-05	3114C/6020	Arsenic	0.0000615	U	mg/l	
CG-104-I-0503	B3E0501-05	350.3	Ammonia-Nitrogen	1.18		mg/l	
CG-104-I-0503	B3E0501-05	415.1	Total Organic Carbon	16.2	D	mg/l	
CG-104-I-0503	B3E0501-05	4500-CO2 C	Carbon dioxide	10.7		mg/l	
CG-104-I-0503	B3E0501-05	6010B	Calcium	10.3		mg/l	
CG-104-I-0503	B3E0501-05	6010B	Iron	5.44		mg/l	
CG-104-I-0503	B3E0501-05	6010B	Magnesium	6.46		mg/l	
CG-104-I-0503	B3E0501-05	6010B	Potassium	9.28		mg/l	
CG-104-I-0503	B3E0501-05	6010B	Sodium	47.1		mg/l	
CG-104-I-0503	B3E0501-05	6020	Manganese	0.282		mg/l	
CG-104-I-0503	B3E0501-05	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	1,2-Dichloroethane	0.123		ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	
CG-104-I-0503	B3E0501-05	8260 Mod	Trichloroethene	0.05		ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,1,1-Trichloroethane	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	200	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,1,2-Trichloroethane	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,1-Dichloroethane	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,2,4-Trimethylbenzene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,2-Dichlorobenzene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,2-Dichloropropane	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,3,5-Trimethylbenzene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	1,3-Dichlorobenzene	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	2-Butanone	1000	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	2-Chloroethylvinyl ether	500	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	2-Hexanone	1000	UD	ug/l	



2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-104-I-0503	B3E0501-05	8260B	4-Methyl-2-pentanone	1000	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Acetone	2500	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Benzene	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Bromodichloromethane	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Bromoform	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Bromomethane	200	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Carbon disulfide	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Chlorobenzene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Chloroethane	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Chloroform	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Chloromethane	250	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	cis-1,2-Dichloroethene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	cis-1,3-Dichloropropene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Dibromochloromethane	50.0	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Diisopropyl ether	1.00	U	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Ethanol	50.0	U	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Ethylbenzene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	m,p-Xylene	200	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Methyl tert-butyl ether	5.00	U	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Methylene chloride	500	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	n-Hexane	200	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Naphthalene	66.2	D	ug/l	
CG-104-I-0503	B3E0501-05	8260B	o-Xylene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Styrene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	
CG-104-I-0503	B3E0501-05	8260B	tert-Butyl Alcohol	50.0	U	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Toluene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	trans-1,2-Dichloroethene	141	D	ug/l	
CG-104-I-0503	B3E0501-05	8260B	trans-1,3-Dichloropropene	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Trichlorofluoromethane	100	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Vinyl acetate	500	UD	ug/l	
CG-104-I-0503	B3E0501-05	8260B	Vinyl chloride	1670	D	ug/l	

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-104-I-0503	B3E0501-05	8270C Mod	1,4-Dioxane	9.62		ug/l	
CG-104-I-0503	B3E0501-05	9030B	Sulfide	20.0	U	mg/l	
CG-104-I-0503	B3E0501-05	FIELD	Ferrous Iron	3.29		mg/l	
CG-104-I-0503	B3E0501-05	LAB-CALC	Ferric Iron	2.15		mg/l	
CG-104-I-0503	B3E0501-05	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	
CG-104-I-0503	B3E0501-05	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	
CG-104-I-0503	B3E0501-05	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	
CG-104-I-0503	B3E0501-05	RSK 175	Ethane	359		ug/l	
CG-104-I-0503	B3E0501-05	RSK 175	Ethene	1440		ug/l	
CG-104-I-0503	B3E0501-05	RSK 175	Methane	13000		ug/l	
CG-9-104-I-0503	B3E0501-06	160.1	Total Dissolved Solids	260		mg/l	7
CG-9-104-I-0503	B3E0501-06	2320B	Bicarbonate Alkalinity	146		mg/L	3
CG-9-104-I-0503	B3E0501-06	2320B	Carbonate Alkalinity	5.00	U	mg/L	0
CG-9-104-I-0503	B3E0501-06	2320B	Hydroxide Alkalinity	5.00	U	mg/L	0
CG-9-104-I-0503	B3E0501-06	2320B	Total Alkalinity	146		mg/L	3
CG-9-104-I-0503	B3E0501-06	300.0	Chloride	19.8	DJ	mg/l	3
CG-9-104-I-0503	B3E0501-06	300.0	Nitrate-Nitrogen	0.200	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	300.0	Nitrite-Nitrogen	0.200	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	300.0	Sulfate	0.400	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	3114C/6020	Arsenic	0.0000613	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	350.3	Ammonia-Nitrogen	1.04		mg/l	13
CG-9-104-I-0503	B3E0501-06	415.1	Total Organic Carbon	15.5	D	mg/l	4
CG-9-104-I-0503	B3E0501-06	4500-CO2 C	Carbon dioxide	10.9		mg/l	2
CG-9-104-I-0503	B3E0501-06	6010B	Calcium	10.8		mg/l	5
CG-9-104-I-0503	B3E0501-06	6010B	Iron	5.68		mg/l	4
CG-9-104-I-0503	B3E0501-06	6010B	Magnesium	6.71		mg/l	4
CG-9-104-I-0503	B3E0501-06	6010B	Potassium	9.7		mg/l	4
CG-9-104-I-0503	B3E0501-06	6010B	Sodium	48.3		mg/l	3
CG-9-104-I-0503	B3E0501-06	6020	Manganese	0.3		mg/l	6
CG-9-104-I-0503	B3E0501-06	8260 Mod	1,1,2,2-Tetrachloroethane	0.100	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260 Mod	1,1-Dichloroethene	0.0500	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260 Mod	1,2-Dichloroethane	0.126		ug/l	2

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-1041-0503	B3E0501-06	8260 Mod	1,4-Dichlorobenzene	0.100	U	ug/l	0
CG-9-1041-0503	B3E0501-06	8260 Mod	Carbon tetrachloride	0.0500	U	ug/l	0
CG-9-1041-0503	B3E0501-06	8260 Mod	Tetrachloroethene	0.0500	U	ug/l	0
CG-9-1041-0503	B3E0501-06	8260 Mod	Trichloroethene	0.035		ug/l	35
CG-9-1041-0503	B3E0501-06	8260B	1,1,1-Trichloroethane	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,1,1,2-Trichloro-1,2,2-trifluoroethane	200	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,1,2-Trichloroethane	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,1-Dichloroethane	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,2,4-Trimethylbenzene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,2-Dichlorobenzene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,2-Dichloropropane	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,3,5-Trimethylbenzene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	1,3-Dichlorobenzene	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	2-Butanone	1000	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	2-Chloroethylvinyl ether	500	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	2-Hexanone	1000	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	4-Methyl-2-pentanone	1000	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Acetone	2500	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Benzene	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Bromodichloromethane	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Bromoform	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Bromomethane	200	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Carbon disulfide	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Chlorobenzene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Chloroethane	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Chloroform	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Chloromethane	250	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	cis-1,2-Dichloroethene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	cis-1,3-Dichloropropene	100	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Dibromochloromethane	50.0	UD	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Diisopropyl ether	1.00	U	ug/l	0
CG-9-1041-0503	B3E0501-06	8260B	Ethanol	50.0	U	ug/l	0

2003 first quarter field duplicate sample results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units	RPD
CG-9-104-I-0503	B3E0501-06	8260B	Ethylbenzene	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	m,p-Xylene	200	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Methyl tert-butyl ether	5.00	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Methylene chloride	500	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Naphthalene	50.0	UD	ug/l	28
CG-9-104-I-0503	B3E0501-06	8260B	o-Xylene	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Styrene	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	tert-Amyl Methyl Ether	1.00	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	tert-Butyl Alcohol	50.0	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Toluene	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	trans-1,2-Dichloroethene	123	D	ug/l	14
CG-9-104-I-0503	B3E0501-06	8260B	trans-1,3-Dichloropropene	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Trichlorofluoromethane	100	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Vinyl acetate	500	UD	ug/l	0
CG-9-104-I-0503	B3E0501-06	8260B	Vinyl chloride	1630	D	ug/l	2
CG-9-104-I-0503	B3E0501-06	8270C Mod	1,4-Dioxane	9.91		ug/l	3
CG-9-104-I-0503	B3E0501-06	9030B	Sulfide	20.0	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	NWTPH-Dx	Diesel Range Hydrocarbons	0.250	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.500	U	mg/l	0
CG-9-104-I-0503	B3E0501-06	NWTPH-Gx	Gasoline Range Hydrocarbons	50.0	U	ug/l	0
CG-9-104-I-0503	B3E0501-06	RSK 175	Ethane	352		ug/l	2
CG-9-104-I-0503	B3E0501-06	RSK 175	Ethene	1330		ug/l	8
CG-9-104-I-0503	B3E0501-06	RSK 175	Methane	10300		ug/l	23



## **APPENDIX 5D**

### **DETECTED COMPOUNDS IN TRIP BLANKS GROUNDWATER MONITORING RESULTS 1Q00 TO 1Q03**

2000 first quarter trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blank	P002112-01	8260B	Bromodichloromethane	2.75		ug/l
Trip Blank	P002112-01	8260B	Chloroform	51.8		ug/l
Trip Blank	P002112-01	8260B	Dibromochloromethane	0.18	J	ug/l
Trip Blank	P002112-01	8260B	Methylene chloride	5.29		ug/l
Trip Blank	P002113-01	8260B	Bromodichloromethane	2.25		ug/l
Trip Blank	P002113-01	8260B	Chloroform	50.5		ug/l
Trip Blank	P002113-01	8260B	Dibromochloromethane	0.21	J	ug/l
Trip Blank	P002113-01	8260B	Methylene chloride	4.66	J	ug/l
Trip Blank	P002114-01	8260B	Bromodichloromethane	2.4		ug/l
Trip Blank	P002114-01	8260B	Chloroform	48.8		ug/l
Trip Blank	P002114-01	8260B	Dibromochloromethane	0.2	J	ug/l
Trip Blank	P002114-01	8260B	Methylene chloride	4.62	J	ug/l
Trip Blank	P002115-01	8260B	Bromodichloromethane	2.64		ug/l
Trip Blank	P002115-01	8260B	Chloroform	53.1		ug/l
Trip Blank	P002115-01	8260B	Dibromochloromethane	0.27	J	ug/l
Trip Blank	P002115-01	8260B	Methylene chloride	4.22	J	ug/l
Trip Blank	P002116-01	8260B	Bromodichloromethane	2.58		ug/l
Trip Blank	P002116-01	8260B	Chloroform	53.6		ug/l
Trip Blank	P002116-01	8260B	Dibromochloromethane	0.14	J	ug/l
Trip Blank	P002116-01	8260B	Methylene chloride	4.09	J	ug/l
Trip Blank	P002142-01	8260B	Bromodichloromethane	2.76		ug/l
Trip Blank	P002142-01	8260B	Chloroform	55.7		ug/l
Trip Blank	P002142-01	8260B	Methylene chloride	4.34	J	ug/l
Trip Blank	P002160-01	8260B	Bromodichloromethane	2.49		ug/l
Trip Blank	P002160-01	8260B	Chloroform	56.1		ug/l
Trip Blank	P002160-01	8260B	Methylene chloride	4.3	J	ug/l
TRIP BLANK	P002200-01	8260B	Bromodichloromethane	2.24		ug/l
TRIP BLANK	P002200-01	8260B	Chloroform	51		ug/l
TRIP BLANK	P002200-01	8260B	Dibromochloromethane	0.14	J	ug/l
TRIP BLANK	P002200-01	8260B	Methylene chloride	4.66	J	ug/l
Trip Blank	P002217-01	8260B	Bromodichloromethane	2.45		ug/l
Trip Blank	P002217-01	8260B	Chloroform	53.3		ug/l
Trip Blank	P002217-01	8260B	Methylene chloride	4.62	J	ug/l

2000 second quarter trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANKS	B0E0386-02	8260B	Ethylbenzene	0.120		ug/l
TRIP BLANK	B0E0507-07	8260B	Methylene chloride	2.63	JB	ug/l
Trip Blanks	B0F0025-05	8260B	Ethylbenzene	0.120		ug/l
Trip Blanks	B0F0025-05	8260B	m,p-Xylene	0.720	J	ug/l
Trip Blanks	B0F0025-05	GC/FID	Ethane	0.500	J	ug/l
Trip Blanks	B0F0025-05	GC/FID	Methane	0.380		ug/l
Trip Blanks	B0E0356-04	GC/FID	Methane	0.380		ug/l
TRIP BLANKS	B0E0386-02	GC/FID	Methane	0.380		ug/l
TRIP BLANKS	B0E0465-06	GC/FID	Methane	0.380	J	ug/l
TRIP BLANKS	B0F0013-03	GC/FID	Ethane	0.500	J	ug/l
TRIP BLANKS	B0F0013-03	GC/FID	Ethene	0.500	J	ug/l
TRIP BLANKS	B0F0013-03	GC/FID	Methane	0.380		ug/l
TRIP BLANKS	B0E0304-05	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
Trip Blanks	B0E0356-04	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
TRIP BLANKS	B0E0386-02	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
TRIP BLANKS	B0E0424-06	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
TRIP BLANK	B0E0474-07	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
TRIP BLANK	B0E0507-07	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l
Trip Blanks	B0F0025-05	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02	J	ug/l

2000 third quarter trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANK	B0H0230-08	8260B	Methylene chloride	1.69	JB	ug/l
TRIP BLANK	B0H0357-07	8260B	Methylene chloride	0.664	JB	ug/l
TRIP BLANK	B0H0391-04	8260B	Methylene chloride	0.666	JB	ug/l
Trip Blanks	B0H0209-07	8260B	Methylene chloride	4.33	JB	ug/l
Trip Blanks	B0H0209-07	8260B	Toluene	0.584	J	ug/l
TRIP BLANKS	B0H0261-08	8260B	Methylene chloride	3.13	JB	ug/l
TRIP BLANKS	B0H0296-07	8260B	Methylene chloride	2.02	JB	ug/l
TRIP BLANK	B0H0230-08	GC/FID	Methane	3.36		ug/l
TRIP BLANK	B0H0357-07	GC/FID	Methane	3.96		ug/l
TRIP BLANK	B0H0391-04	GC/FID	Methane	4.04		ug/l
TRIP BLANKS	B0H0261-08	GC/FID	Methane	12.9		ug/l
TRIP BLANKS	B0H0296-07	GC/FID	Methane	0.863	J	ug/l
TRIP BLANK	B0H0230-08	NWTPH-Gx	Gasoline Range Hydrocarbons	18.3	J	ug/l
TRIP BLANK	B0H0391-04	NWTPH-Gx	Gasoline Range Hydrocarbons	15.2	JB	ug/l
TRIP BLANKS	B0H0261-08	NWTPH-Gx	Gasoline Range Hydrocarbons	17.4	J	ug/l



## 2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blank	B0J0684-06	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1-Dichloroethane	0.0370	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1-Dichloroethene	0.0590	U	ug/l
Trip Blank	B0J0684-06	8260B	1,1-Dichloropropene	0.0520	U	ug/l
Trip Blank	B0J0684-06	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
Trip Blank	B0J0684-06	8260B	1,2-Dichloroethane	0.0330	U	ug/l
Trip Blank	B0J0684-06	8260B	1,2-Dichloropropane	0.0340	U	ug/l
Trip Blank	B0J0684-06	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
Trip Blank	B0J0684-06	8260B	1,3-Dichloropropane	0.0230	U	ug/l
Trip Blank	B0J0684-06	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
Trip Blank	B0J0684-06	8260B	2,2-Dichloropropane	0.284	U	ug/l
Trip Blank	B0J0684-06	8260B	2-Butanone	0.572	U	ug/l
Trip Blank	B0J0684-06	8260B	2-Hexanone	0.160	U	ug/l
Trip Blank	B0J0684-06	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
Trip Blank	B0J0684-06	8260B	Acetone	3.22	U	ug/l
Trip Blank	B0J0684-06	8260B	Benzene	0.0410	U	ug/l
Trip Blank	B0J0684-06	8260B	Bromodichloromethane	0.0360	U	ug/l
Trip Blank	B0J0684-06	8260B	Bromoform	0.0290	U	ug/l
Trip Blank	B0J0684-06	8260B	Bromomethane	0.304	U	ug/l
Trip Blank	B0J0684-06	8260B	Carbon disulfide	0.0930	U	ug/l
Trip Blank	B0J0684-06	8260B	Carbon tetrachloride	0.0530	U	ug/l
Trip Blank	B0J0684-06	8260B	Chlorobenzene	0.0450	U	ug/l
Trip Blank	B0J0684-06	8260B	Chloroethane	0.153	U	ug/l
Trip Blank	B0J0684-06	8260B	Chloroform	0.0440	U	ug/l
Trip Blank	B0J0684-06	8260B	Chloromethane	0.143	U	ug/l
Trip Blank	B0J0684-06	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
Trip Blank	B0J0684-06	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
Trip Blank	B0J0684-06	8260B	Dibromochloromethane	0.0340	U	ug/l
Trip Blank	B0J0684-06	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
Trip Blank	B0J0684-06	8260B	Ethylbenzene	0.0480	U	ug/l
Trip Blank	B0J0684-06	8260B	m,p-Xylene	0.114	U	ug/l
Trip Blank	B0J0684-06	8260B	Methylene chloride	0.816	U	ug/l
Trip Blank	B0J0684-06	8260B	Naphthalene	0.0330	U	ug/l
Trip Blank	B0J0684-06	8260B	o-Xylene	0.0260	U	ug/l
Trip Blank	B0J0684-06	8260B	Styrene	0.0220	U	ug/l
Trip Blank	B0J0684-06	8260B	Tetrachloroethene	0.0600	U	ug/l
Trip Blank	B0J0684-06	8260B	Toluene	0.0380	U	ug/l
Trip Blank	B0J0684-06	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
Trip Blank	B0J0684-06	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
Trip Blank	B0J0684-06	8260B	Trichloroethene	0.0480	U	ug/l
Trip Blank	B0J0684-06	8260B	Trichlorofluoromethane	0.113	U	ug/l
Trip Blank	B0J0684-06	8260B	Vinyl acetate	5.00	U	ug/l
Trip Blank	B0J0684-06	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blank	BOJ0780-07	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1-Dichloroethane	0.0370	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1-Dichloroethene	0.0590	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,1-Dichloropropene	0.0520	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,2-Dichloroethane	0.0330	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,2-Dichloropropane	0.0340	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,3-Dichloropropane	0.0230	U	ug/l
Trip Blank	BOJ0780-07	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
Trip Blank	BOJ0780-07	8260B	2,2-Dichloropropane	0.284	U	ug/l
Trip Blank	BOJ0780-07	8260B	2-Butanone	0.572	U	ug/l
Trip Blank	BOJ0780-07	8260B	2-Hexanone	0.160	U	ug/l
Trip Blank	BOJ0780-07	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
Trip Blank	BOJ0780-07	8260B	Acetone	3.22	U	ug/l
Trip Blank	BOJ0780-07	8260B	Benzene	0.0410	U	ug/l
Trip Blank	BOJ0780-07	8260B	Bromodichloromethane	0.0360	U	ug/l
Trip Blank	BOJ0780-07	8260B	Bromoform	0.0290	U	ug/l
Trip Blank	BOJ0780-07	8260B	Bromomethane	0.304	U	ug/l
Trip Blank	BOJ0780-07	8260B	Carbon disulfide	0.0930	U	ug/l
Trip Blank	BOJ0780-07	8260B	Carbon tetrachloride	0.0530	U	ug/l
Trip Blank	BOJ0780-07	8260B	Chlorobenzene	0.0450	U	ug/l
Trip Blank	BOJ0780-07	8260B	Chloroethane	0.153	U	ug/l
Trip Blank	BOJ0780-07	8260B	Chloroform	0.0440	U	ug/l
Trip Blank	BOJ0780-07	8260B	Chloromethane	0.143	U	ug/l
Trip Blank	BOJ0780-07	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
Trip Blank	BOJ0780-07	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
Trip Blank	BOJ0780-07	8260B	Dibromochloromethane	0.0340	U	ug/l
Trip Blank	BOJ0780-07	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
Trip Blank	BOJ0780-07	8260B	Ethylbenzene	0.0480	U	ug/l
Trip Blank	BOJ0780-07	8260B	m,p-Xylene	0.114	U	ug/l
Trip Blank	BOJ0780-07	8260B	Methylene chloride	0.816	U	ug/l
Trip Blank	BOJ0780-07	8260B	Naphthalene	0.0330	U	ug/l
Trip Blank	BOJ0780-07	8260B	o-Xylene	0.0260	U	ug/l
Trip Blank	BOJ0780-07	8260B	Styrene	0.0220	U	ug/l
Trip Blank	BOJ0780-07	8260B	Tetrachloroethene	0.0600	U	ug/l
Trip Blank	BOJ0780-07	8260B	Toluene	0.0380	U	ug/l
Trip Blank	BOJ0780-07	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
Trip Blank	BOJ0780-07	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
Trip Blank	BOJ0780-07	8260B	Trichloroethene	0.0480	U	ug/l
Trip Blank	BOJ0780-07	8260B	Trichlorofluoromethane	0.113	U	ug/l
Trip Blank	BOJ0780-07	8260B	Vinyl acetate	5.00	U	ug/l
Trip Blank	BOJ0780-07	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
trip blank	B0K0036-06	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
trip blank	B0K0036-06	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
trip blank	B0K0036-06	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
trip blank	B0K0036-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
trip blank	B0K0036-06	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
trip blank	B0K0036-06	8260B	1,1-Dichloroethane	0.0370	U	ug/l
trip blank	B0K0036-06	8260B	1,1-Dichloroethene	0.0590	U	ug/l
trip blank	B0K0036-06	8260B	1,1-Dichloropropene	0.0520	U	ug/l
trip blank	B0K0036-06	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
trip blank	B0K0036-06	8260B	1,2-Dichloroethane	0.0330	U	ug/l
trip blank	B0K0036-06	8260B	1,2-Dichloropropane	0.0340	U	ug/l
trip blank	B0K0036-06	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
trip blank	B0K0036-06	8260B	1,3-Dichloropropane	0.0230	U	ug/l
trip blank	B0K0036-06	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
trip blank	B0K0036-06	8260B	2,2-Dichloropropane	0.284	U	ug/l
trip blank	B0K0036-06	8260B	2-Butanone	0.572	U	ug/l
trip blank	B0K0036-06	8260B	2-Hexanone	0.160	U	ug/l
trip blank	B0K0036-06	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
trip blank	B0K0036-06	8260B	Acetone	3.22	U	ug/l
trip blank	B0K0036-06	8260B	Benzene	0.0410	U	ug/l
trip blank	B0K0036-06	8260B	Bromodichloromethane	0.0360	U	ug/l
trip blank	B0K0036-06	8260B	Bromoform	0.0290	U	ug/l
trip blank	B0K0036-06	8260B	Bromomethane	0.304	U	ug/l
trip blank	B0K0036-06	8260B	Carbon disulfide	0.0930	U	ug/l
trip blank	B0K0036-06	8260B	Carbon tetrachloride	0.0530	U	ug/l
trip blank	B0K0036-06	8260B	Chlorobenzene	0.0450	U	ug/l
trip blank	B0K0036-06	8260B	Chloroethane	0.153	U	ug/l
trip blank	B0K0036-06	8260B	Chloroform	0.0440	U	ug/l
trip blank	B0K0036-06	8260B	Chloromethane	0.143	U	ug/l
trip blank	B0K0036-06	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
trip blank	B0K0036-06	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
trip blank	B0K0036-06	8260B	Dibromochloromethane	0.0340	U	ug/l
trip blank	B0K0036-06	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
trip blank	B0K0036-06	8260B	Ethylbenzene	0.0480	U	ug/l
trip blank	B0K0036-06	8260B	m,p-Xylene	0.114	U	ug/l
trip blank	B0K0036-06	8260B	Methylene chloride	0.816	U	ug/l
trip blank	B0K0036-06	8260B	Naphthalene	0.0330	U	ug/l
trip blank	B0K0036-06	8260B	o-Xylene	0.0260	U	ug/l
trip blank	B0K0036-06	8260B	Styrene	0.0220	U	ug/l
trip blank	B0K0036-06	8260B	Tetrachloroethene	0.0600	U	ug/l
trip blank	B0K0036-06	8260B	Toluene	0.0380	U	ug/l
trip blank	B0K0036-06	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
trip blank	B0K0036-06	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
trip blank	B0K0036-06	8260B	Trichloroethene	0.0480	U	ug/l
trip blank	B0K0036-06	8260B	Trichlorofluoromethane	0.113	U	ug/l
trip blank	B0K0036-06	8260B	Vinyl acetate	5.00	U	ug/l
trip blank	B0K0036-06	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANK	B0K0135-06	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1-Dichloroethane	0.0370	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1-Dichloroethene	0.0590	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,1-Dichloropropene	0.0520	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,2-Dichloroethane	0.0330	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,2-Dichloropropane	0.0340	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,3-Dichloropropane	0.0230	U	ug/l
TRIP BLANK	B0K0135-06	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
TRIP BLANK	B0K0135-06	8260B	2,2-Dichloropropane	0.284	U	ug/l
TRIP BLANK	B0K0135-06	8260B	2-Butanone	0.572	U	ug/l
TRIP BLANK	B0K0135-06	8260B	2-Hexanone	0.160	U	ug/l
TRIP BLANK	B0K0135-06	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Acetone	3.22	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Benzene	0.0410	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Bromodichloromethane	0.0360	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Bromoform	0.0290	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Bromomethane	0.304	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Carbon disulfide	0.0930	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Carbon tetrachloride	0.0530	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Chlorobenzene	0.0450	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Chloroethane	0.153	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Chloroform	0.0440	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Chloromethane	0.143	U	ug/l
TRIP BLANK	B0K0135-06	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
TRIP BLANK	B0K0135-06	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Dibromochloromethane	0.0340	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Ethylbenzene	0.0480	U	ug/l
TRIP BLANK	B0K0135-06	8260B	m,p-Xylene	0.114	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Methylene chloride	0.816	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Naphthalene	0.0330	U	ug/l
TRIP BLANK	B0K0135-06	8260B	o-Xylene	0.0260	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Styrene	0.0220	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Tetrachloroethene	0.0600	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Toluene	0.0380	U	ug/l
TRIP BLANK	B0K0135-06	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
TRIP BLANK	B0K0135-06	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Trichloroethene	0.0480	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Trichlorofluoromethane	0.113	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Vinyl acetate	5.00	U	ug/l
TRIP BLANK	B0K0135-06	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANKS	B0J0656-04	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1-Dichloroethane	0.0370	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1-Dichloroethene	0.0590	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,1-Dichloropropene	0.0520	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,2-Dichloroethane	0.0330	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,2-Dichloropropane	0.0340	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,3-Dichloropropane	0.0230	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	2,2-Dichloropropane	0.284	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	2-Butanone	0.572	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	2-Hexanone	0.160	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Acetone	3.22	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Benzene	0.0410	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Bromodichloromethane	0.0360	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Bromoform	0.0290	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Bromomethane	0.304	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Carbon disulfide	0.0930	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Carbon tetrachloride	0.0530	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Chlorobenzene	0.0450	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Chloroethane	0.153	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Chloroform	0.0440	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Chloromethane	0.143	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Dibromochloromethane	0.0340	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Ethylbenzene	0.0480	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	m,p-Xylene	0.114	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Methylene chloride	0.816	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Naphthalene	0.0330	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	o-Xylene	0.0260	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Styrene	0.0220	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Tetrachloroethene	0.0600	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Toluene	0.0380	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Trichloroethene	0.0480	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Trichlorofluoromethane	0.113	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Vinyl acetate	5.00	U	ug/l
TRIP BLANKS	B0J0656-04	8260B	Vinyl chloride	0.102	U	ug/l

## 2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blanks	B0K0076-06	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1-Dichloroethane	0.0370	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1-Dichloroethene	0.0590	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,1-Dichloropropene	0.0520	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,2-Dichloroethane	0.0330	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,2-Dichloropropane	0.0340	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,3-Dichloropropane	0.0230	U	ug/l
Trip Blanks	B0K0076-06	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
Trip Blanks	B0K0076-06	8260B	2,2-Dichloropropane	0.284	U	ug/l
Trip Blanks	B0K0076-06	8260B	2-Butanone	0.572	U	ug/l
Trip Blanks	B0K0076-06	8260B	2-Hexanone	0.160	U	ug/l
Trip Blanks	B0K0076-06	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
Trip Blanks	B0K0076-06	8260B	Acetone	3.22	U	ug/l
Trip Blanks	B0K0076-06	8260B	Benzene	0.0410	U	ug/l
Trip Blanks	B0K0076-06	8260B	Bromodichloromethane	0.0360	U	ug/l
Trip Blanks	B0K0076-06	8260B	Bromoform	0.0290	U	ug/l
Trip Blanks	B0K0076-06	8260B	Bromomethane	0.304	U	ug/l
Trip Blanks	B0K0076-06	8260B	Carbon disulfide	0.0930	U	ug/l
Trip Blanks	B0K0076-06	8260B	Carbon tetrachloride	0.0530	U	ug/l
Trip Blanks	B0K0076-06	8260B	Chlorobenzene	0.0450	U	ug/l
Trip Blanks	B0K0076-06	8260B	Chloroethane	0.153	U	ug/l
Trip Blanks	B0K0076-06	8260B	Chloroform	0.0440	U	ug/l
Trip Blanks	B0K0076-06	8260B	Chloromethane	0.143	U	ug/l
Trip Blanks	B0K0076-06	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
Trip Blanks	B0K0076-06	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
Trip Blanks	B0K0076-06	8260B	Dibromochloromethane	0.0340	U	ug/l
Trip Blanks	B0K0076-06	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
Trip Blanks	B0K0076-06	8260B	Ethylbenzene	0.0480	U	ug/l
Trip Blanks	B0K0076-06	8260B	m,p-Xylene	0.114	U	ug/l
Trip Blanks	B0K0076-06	8260B	Methylene chloride	0.816	U	ug/l
Trip Blanks	B0K0076-06	8260B	Naphthalene	0.0330	U	ug/l
Trip Blanks	B0K0076-06	8260B	o-Xylene	0.0260	U	ug/l
Trip Blanks	B0K0076-06	8260B	Styrene	0.0220	U	ug/l
Trip Blanks	B0K0076-06	8260B	Tetrachloroethene	0.0600	U	ug/l
Trip Blanks	B0K0076-06	8260B	Toluene	0.0380	U	ug/l
Trip Blanks	B0K0076-06	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
Trip Blanks	B0K0076-06	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
Trip Blanks	B0K0076-06	8260B	Trichloroethene	0.0480	U	ug/l
Trip Blanks	B0K0076-06	8260B	Trichlorofluoromethane	0.113	U	ug/l
Trip Blanks	B0K0076-06	8260B	Vinyl acetate	5.00	U	ug/l
Trip Blanks	B0K0076-06	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blanks	B0K0111-06	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1-Dichloroethane	0.0370	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1-Dichloroethene	0.0590	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,1-Dichloropropene	0.0520	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,2-Dichloroethane	0.0330	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,2-Dichloropropane	0.0340	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,3-Dichloropropane	0.0230	U	ug/l
Trip Blanks	B0K0111-06	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
Trip Blanks	B0K0111-06	8260B	2,2-Dichloropropane	0.284	U	ug/l
Trip Blanks	B0K0111-06	8260B	2-Butanone	0.572	U	ug/l
Trip Blanks	B0K0111-06	8260B	2-Hexanone	0.160	U	ug/l
Trip Blanks	B0K0111-06	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
Trip Blanks	B0K0111-06	8260B	Acetone	3.22	U	ug/l
Trip Blanks	B0K0111-06	8260B	Benzene	0.0410	U	ug/l
Trip Blanks	B0K0111-06	8260B	Bromodichloromethane	0.0360	U	ug/l
Trip Blanks	B0K0111-06	8260B	Bromoform	0.0290	U	ug/l
Trip Blanks	B0K0111-06	8260B	Bromomethane	0.304	U	ug/l
Trip Blanks	B0K0111-06	8260B	Carbon disulfide	0.0930	U	ug/l
Trip Blanks	B0K0111-06	8260B	Carbon tetrachloride	0.0530	U	ug/l
Trip Blanks	B0K0111-06	8260B	Chlorobenzene	0.0450	U	ug/l
Trip Blanks	B0K0111-06	8260B	Chloroethane	0.153	U	ug/l
Trip Blanks	B0K0111-06	8260B	Chloroform	0.0440	U	ug/l
Trip Blanks	B0K0111-06	8260B	Chloromethane	0.143	U	ug/l
Trip Blanks	B0K0111-06	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
Trip Blanks	B0K0111-06	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
Trip Blanks	B0K0111-06	8260B	Dibromochloromethane	0.0340	U	ug/l
Trip Blanks	B0K0111-06	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
Trip Blanks	B0K0111-06	8260B	Ethylbenzene	0.0480	U	ug/l
Trip Blanks	B0K0111-06	8260B	m,p-Xylene	0.114	U	ug/l
Trip Blanks	B0K0111-06	8260B	Methylene chloride	1.32	J	ug/l
Trip Blanks	B0K0111-06	8260B	Naphthalene	0.0330	U	ug/l
Trip Blanks	B0K0111-06	8260B	o-Xylene	0.0260	U	ug/l
Trip Blanks	B0K0111-06	8260B	Styrene	0.0220	U	ug/l
Trip Blanks	B0K0111-06	8260B	Tetrachloroethene	0.0600	U	ug/l
Trip Blanks	B0K0111-06	8260B	Toluene	0.0380	U	ug/l
Trip Blanks	B0K0111-06	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
Trip Blanks	B0K0111-06	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
Trip Blanks	B0K0111-06	8260B	Trichloroethene	0.0480	U	ug/l
Trip Blanks	B0K0111-06	8260B	Trichlorofluoromethane	0.113	U	ug/l
Trip Blanks	B0K0111-06	8260B	Vinyl acetate	5.00	U	ug/l
Trip Blanks	B0K0111-06	8260B	Vinyl chloride	0.102	U	ug/l

2000 fourth quarter trip blank results

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blanks	B0K0176-05	8260B	1,1,1,2-Tetrachloroethane	0.0710	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1,1-Trichloroethane	0.358	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1,2,2-Tetrachloroethane	0.0270	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1,2-Trichloroethane	0.0240	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1-Dichloroethane	0.0370	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1-Dichloroethene	0.0590	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,1-Dichloropropene	0.0520	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,2-Dichlorobenzene	0.0200	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,2-Dichloroethane	0.0330	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,2-Dichloropropane	0.0340	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,3-Dichlorobenzene	0.0480	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,3-Dichloropropane	0.0230	U	ug/l
Trip Blanks	B0K0176-05	8260B	1,4-Dichlorobenzene	0.0340	U	ug/l
Trip Blanks	B0K0176-05	8260B	2,2-Dichloropropane	0.284	U	ug/l
Trip Blanks	B0K0176-05	8260B	2-Butanone	0.572	U	ug/l
Trip Blanks	B0K0176-05	8260B	2-Hexanone	0.160	U	ug/l
Trip Blanks	B0K0176-05	8260B	4-Methyl-2-pentanone	0.224	U	ug/l
Trip Blanks	B0K0176-05	8260B	Acetone	3.22	U	ug/l
Trip Blanks	B0K0176-05	8260B	Benzene	0.0410	U	ug/l
Trip Blanks	B0K0176-05	8260B	Bromodichloromethane	0.0360	U	ug/l
Trip Blanks	B0K0176-05	8260B	Bromoform	0.0290	U	ug/l
Trip Blanks	B0K0176-05	8260B	Bromomethane	0.304	U	ug/l
Trip Blanks	B0K0176-05	8260B	Carbon disulfide	0.0930	U	ug/l
Trip Blanks	B0K0176-05	8260B	Carbon tetrachloride	0.0530	U	ug/l
Trip Blanks	B0K0176-05	8260B	Chlorobenzene	0.0450	U	ug/l
Trip Blanks	B0K0176-05	8260B	Chloroethane	0.153	U	ug/l
Trip Blanks	B0K0176-05	8260B	Chloroform	0.0440	U	ug/l
Trip Blanks	B0K0176-05	8260B	Chloromethane	0.143	U	ug/l
Trip Blanks	B0K0176-05	8260B	cis-1,2-Dichloroethene	0.0400	U	ug/l
Trip Blanks	B0K0176-05	8260B	cis-1,3-Dichloropropene	0.0210	U	ug/l
Trip Blanks	B0K0176-05	8260B	Dibromochloromethane	0.0340	U	ug/l
Trip Blanks	B0K0176-05	8260B	Dichlorodifluoromethane	0.0630	U	ug/l
Trip Blanks	B0K0176-05	8260B	Ethylbenzene	0.0480	U	ug/l
Trip Blanks	B0K0176-05	8260B	m,p-Xylene	0.114	U	ug/l
Trip Blanks	B0K0176-05	8260B	Methylene chloride	0.816	U	ug/l
Trip Blanks	B0K0176-05	8260B	Naphthalene	0.0330	U	ug/l
Trip Blanks	B0K0176-05	8260B	o-Xylene	0.0260	U	ug/l
Trip Blanks	B0K0176-05	8260B	Styrene	0.0220	U	ug/l
Trip Blanks	B0K0176-05	8260B	Tetrachloroethene	0.0600	U	ug/l
Trip Blanks	B0K0176-05	8260B	Toluene	0.0380	U	ug/l
Trip Blanks	B0K0176-05	8260B	trans-1,2-Dichloroethene	0.0510	U	ug/l
Trip Blanks	B0K0176-05	8260B	trans-1,3-Dichloropropene	0.0200	U	ug/l
Trip Blanks	B0K0176-05	8260B	Trichloroethene	0.0480	U	ug/l
Trip Blanks	B0K0176-05	8260B	Trichlorofluoromethane	0.113	U	ug/l
Trip Blanks	B0K0176-05	8260B	Vinyl acetate	5.00	U	ug/l
Trip Blanks	B0K0176-05	8260B	Vinyl chloride	0.102	U	ug/l



1stQ01 trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Trip Blank	B1B0370-02	8260B	Methylene chloride	21.7		ug/l
Trip Blank	B1B0402-06	8260B	Methylene chloride	27.6		ug/l
Trip blank	B1B0427-06	8260B	Methylene chloride	11.2		ug/l
Trip Blank	B1B0447-05	8260B	Ethylbenzene	0.924	J	ug/l
Trip Blank	B1B0447-05	8260B	Methylene chloride	22		ug/l
Trip Blank	B1B0463-04	8260B	Methylene chloride	11.7		ug/l
Trip blank	B1B0487-05	8260B	Methylene chloride	8.97		ug/l
Trip Blank	B1C0008-03	8260B	1,1,1-Trichloroethane	1.78		ug/l
Trip Blank	B1C0008-03	8260B	1,1-Dichloroethane	2.52		ug/l
Trip Blank	B1C0008-03	8260B	cis-1,2-Dichloroethene	2.76		ug/l
Trip Blank	B1C0008-03	8260B	m,p-Xylene	0.88	J	ug/l
Trip Blank	B1C0008-03	8260B	Toluene	1.5		ug/l
Trip Blank	B1C0008-03	8260B	Trichloroethene	0.548	J	ug/l
Trip Blanks	B1C0040-06	8260B	Methylene chloride	8.49		ug/l
Trip Blank	B1C0084-06	8260B	Methylene chloride	9.63		ug/l
Trip Blank	B1C0115-04	8260B	Methylene chloride	9.33		ug/l
Trip Blank	B1C0133-04	8260B	Methylene chloride	8.08		ug/l

## 2ndQ02 trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TB	B2E0448-01	RSK 175	Methane	3.61		ug/l
TB	B2E0479-01	RSK 175	Methane	37		ug/l
TB	B2E0585-01	RSK 175	Methane	5.54		ug/l

### 3rdQ02 trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANK	B2G0657-01	RSK 175	Methane	2.06		ug/l
TRIP BLANK	B2H0064-01	RSK 175	Methane	8.3		ug/l
TRIP BLANK	B2H0124-03	RSK 175	Methane	6.31		ug/l

#### 4thQ02 trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TRIP BLANK	B2K0183-01	RSK 175	Methane	3.04		ug/l
TRIP BLANK	B2K0198-01	RSK 175	Methane	1.68		ug/l
TRIP BLANK	B2K0321-01	RSK 175	Methane	3.61		ug/l

### 1stQ03 trip blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
TB05-0503	B3E0312-01	8260-SIM	Trichloroethene	0.039		ug/l
TB07-0203	0302026-DUP1	RSK 175	Methane	26.1		ug/l
TB08-0203	B3B0228-01	RSK 175	Methane	8.57		ug/l
TB13-0203	B3B0412-01	RSK 175	Methane	3.15		ug/l



**APPENDIX 5E**

**DETECTED COMPOUNDS IN FIELD BLANKS**  
**GROUNDWATER MONITORING EVENTS**  
**1Q00 TO 1Q03**

1stQ00 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Field Blank	P002112-08	8260B	Toluene	0.16	J	ug/l
Field Blank	P002115-08	8260B	Toluene	0.16	J	ug/l

2ndQ00 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
CG-Field Blank	B0E0334-04	335.2	Cyanide (total)	0.0502		mg/l
Field Blank2-05	B0F0025-04	6020	Lead	0.000727	JB	mg/l
CG-Field Blank	B0E0334-04	8260B	Bromodichloromethane	2.74		ug/l
CG-Field Blank	B0E0334-04	8260B	Chloroform	48.6		ug/l
CG-Field Blank	B0E0334-04	8260B	Methylene chloride	5.25		ug/l
Field Blank2-05	B0F0025-04	8260B	Bromodichloromethane	1.93		ug/l
Field Blank2-05	B0F0025-04	8260B	Chloroform	43.2		ug/l
Field Blank2-05	B0F0025-04	8260B	Methylene chloride	3.98	J	ug/l
CG-Field Blank	B0E0334-04	NWTPH-Dx	Diesel Range Hydrocarbons	0.0562	JB	mg/l
Field Blank2-05	B0F0025-04	NWTPH-Dx	Diesel Range Hydrocarbons	0.0449	J	mg/l
CG-Field Blank	B0E0334-04	NWTPH-Gx	Gasoline Range Hydrocarbons	9.25	J	ug/l
Field Blank2-05	B0F0025-04	NWTPH-Gx	Gasoline Range Hydrocarbons	28.9	J	ug/l



### 3rdQ00 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Field Blank	B0H0314-06	8260B	Methylene chloride	0.686	JB	ug/l
FIELD BLANK 2	B0H0261-07	8260B	Bromodichloromethane	5.31		ug/l
FIELD BLANK 2	B0H0261-07	8260B	Chloroform	56.5		ug/l
FIELD BLANK 2	B0H0261-07	8260B	Methylene chloride	3.24	JB	ug/l
FIELD BLANK1-08	B0H0230-07	8260B	Bromodichloromethane	7.04		ug/l
FIELD BLANK1-08	B0H0230-07	8260B	Chloroform	58.9		ug/l
FIELD BLANK1-08	B0H0230-07	8260B	Methylene chloride	2.03	JB	ug/l
FIELD BLANK 2	B0H0261-07	NWTPH-Dx	Diesel Range Hydrocarbons	0.0619	JB	mg/l
FIELD BLANK1-08	B0H0230-07	NWTPH-Dx	Diesel Range Hydrocarbons	0.111	JB	mg/l
FIELD BLANK1-08	B0H0230-07	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.0992	J	mg/l
FIELD BLANK1-08	B0H0230-07	NWTPH-Gx	Gasoline Range Hydrocarbons	7.02		ug/l

#### 4thQ00 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
FIELD BLANK-2-1	B0K0135-03	6010B	Iron	0.0435	JB	mg/l
Field Blank-1-1	B0J0780-06	6020	Copper	0.0016		mg/l
Field Blank-1-1	B0J0780-06	6020	Lead	0.000207	JB	mg/l
Field Blank-1-1	B0J0780-06	6020	Zinc	0.00285	JB	mg/l
FIELD BLANK-2-1	B0K0135-03	6020	Barium	0.000556	J	mg/l
FIELD BLANK-2-1	B0K0135-03	6020	Copper	0.000721	JB	mg/l
FIELD BLANK-2-1	B0K0135-03	6020	Lead	0.0001	JB	mg/l
FIELD BLANK-2-1	B0K0135-03	6020	Zinc	0.00205	JB	mg/l
Field Blank-1-1	B0J0780-06	8260B	Bromodichloromethane	6.55		ug/l
Field Blank-1-1	B0J0780-06	8260B	Chloroform	57.2		ug/l
Field Blank-1-1	B0J0780-06	8260B	Methylene chloride	2.69	JB	ug/l
FIELD BLANK-2-1	B0K0135-03	8260B	Bromodichloromethane	3.98		ug/l
FIELD BLANK-2-1	B0K0135-03	8260B	Chloroform	36.7		ug/l
FIELD BLANK-2-1	B0K0135-03	8260B	Methylene chloride	2.07	J	ug/l
Field Blank-1-1	B0J0780-06	8270C	Bis(2-ethylhexyl)phthalate	1.66	JB	ug/l
Field Blank-1-1	B0J0780-06	8270C	Di-n-butyl phthalate	1.86	JB	ug/l
FIELD BLANK-2-1	B0K0135-03	8270C	Di-n-butyl phthalate	1.86	JB	ug/l
FIELD BLANK-2-1	B0K0135-03	9010B	Cyanide (total)	0.00218	J	mg/l
Field Blank-1-1	B0J0780-06	NWTPH-Dx	Diesel Range Hydrocarbons	0.201	JB	mg/l
Field Blank-1-1	B0J0780-06	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.172	JB	mg/l
FIELD BLANK-2-1	B0K0135-03	NWTPH-Dx	Diesel Range Hydrocarbons	0.151	JB	mg/l
FIELD BLANK-2-1	B0K0135-03	NWTPH-Dx	Lube Oil Range Hydrocarbons	0.17	JB	mg/l
Field Blank-1-1	B0J0780-06	NWTPH-Gx	Gasoline Range Hydrocarbons	11.5	J	ug/l
FIELD BLANK-2-1	B0K0135-03	NWTPH-Gx	Gasoline Range Hydrocarbons	7.42	J	ug/l

1stQ01 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	concentr	Qualifier	Units
Field Blank1	B1B0402-04	8260B	Bromodichloromethane	2.24		ug/l
Field Blank1	B1B0402-04	8260B	Chloroform	53.9		ug/l
Field Blank1	B1B0402-04	8260B	Methylene chloride	6.51		ug/l
Field Blank 2	B1C0084-03	8260B	Bromodichloromethane	2.61		ug/l
Field Blank 2	B1C0084-03	8260B	Chloroform	44.2		ug/l
Field Blank 2	B1C0084-03	8260B	Methylene chloride	3.19	JB	ug/l
Field Blank 2	B1C0084-03	8260B	Toluene	0.704	J	ug/l
Field Blank1	B1B0402-04	WTPH-G	Gasoline Range Hydrocarbons	12	J	ug/l
Field Blank 2	B1C0084-03	WTPH-G	Gasoline Range Hydrocarbons	10.8	J	ug/l
Field Blank1	B1B0402-04	WTPH-D	Diesel Range Hydrocarbons	0.0792	JB	mg/l
Field Blank1	B1B0402-04	WTPH-D	Lube Oil Range Hydrocarbons	0.0524	JB	mg/l
Field Blank 2	B1C0084-03	WTPH-D	Diesel Range Hydrocarbons	0.0546	JB	mg/l
Field Blank1	B1B0402-04	6020	Manganese	.000329	JB	mg/l
Field Blank1	B1B0402-04	6020	Manganese	.000458	J	mg/l
Field Blank1	1B22018-DUP1	00-CO2	Carbon dioxide	1.76	J	mg/l
Field Blank1	B1B0402-04	00-CO2	Carbon dioxide	1.76	J	mg/l
Field Blank1	B1B0402-04	RSK 175	Methane	3.77		ug/l

## 2ndQ01 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Field Blank-1-0	B1E0431-06	8260B	Bromodichloromethane	1.54		ug/l
Field Blank-1-0	B1E0431-06	8260B	Chloroform	29.8		ug/l
Field Blank-050	B1E0558-06	8260B	Bromodichloromethane	1.98		ug/l
Field Blank-050	B1E0558-06	8260B	Chloroform	31.6		ug/l
Field Blank-050	B1E0558-06	NWTPH-Dx	Diesel Range Hydrocarbons	0.286		mg/l

### 3rdQ01 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Field Blank	B1H0221-05	8260B	Bromodichloromethane	1.66		ug/l
Field Blank	B1H0221-05	8260B	Chloroform	21.6		ug/l
Field Blank 2	B1H0297-05	8260B	Bromodichloromethane	1.7		ug/l
Field Blank 2	B1H0297-05	8260B	Chloroform	25.5		ug/l

#### 4thQ01 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Field Blank	B1K0235-11RE1	6020	Nickel	0.00189		mg/L

#### 4thQ02 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
BF02-1102	B2K0220-04	RSK 175	Methane	6.93		ug/l

2003 first quarter field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
BF03-0503	B3E0351-09	8260-SIM	Vinyl chloride	0.17		ug/l
BF04-0503	B3E0268-10	8260-SIM	Trichloroethene	0.021	J	ug/l
BF02-0203	B3B0103-08	RSK 175	Methane	5.38		ug/l
BF03-0203	B3B0228-09	RSK 175	Methane	5.62		ug/l
BF04-0203	B3B0359-05	RSK 175	Methane	15		ug/l



### 3rdQ02 field blank results - summary of detected compounds

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
BF03-0802	B2H0157-03	RSK 175	Methane	17		ug/l





## **APPENDIX 5H**

### **DETECTED COMPOUNDS IN METHOD BLANKS GROUNDWATER MONITORING EVENTS 1Q00 TO 1Q03**

1stQ00 method blank results - summary of detected compounds

Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
0200324-BLK1	6020	Arsenic	0.00028		mg/l
0200324-BLK1	6020	Barium	0.00005		mg/l
0200324-BLK1	6020	Chromium	0.00061		mg/l
0200324-BLK1	6020	Copper	0.00008		mg/l
0200324-BLK1	6020	Lead	0.00012		mg/l
0200324-BLK1	6020	Selenium	0.00081		mg/l
0200324-BLK1	6020	Zinc	0.00049		mg/l
0200600-BLK1	2320B	Total Alkalinity	1.6		mg/l
0200600-BLK1	2320B	Bicarbonate Alkalinity	1.6		mg/l
0200342-BLK1	300.0	Sulfate	0.121		mg/l
0200342-BLK1	300.0	Chloride	0.0584		mg/l
0200278-BLK1	300.0	Sulfate	0.115		mg/l

2ndQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0E19041-BLK1	Methylene chloride	11		ug/l
0E24010-BLK1	Methylene chloride	10.8		ug/l
0E24012-BLK1	1,2,3-Trichlorobenzene	0.25	J	ug/l
0E24012-BLK1	1,2,4-Trichlorobenzene	0.208	J	ug/l
0E24012-BLK1	1,2-Dichloroethane	0.248	J	ug/l
0E24012-BLK1	Hexachlorobutadiene	0.27	J	ug/l
0E24012-BLK1	Methylene chloride	2.78	J	ug/l
0E24012-BLK1	Naphthalene	0.37	J	ug/l
0E24012-BLK1	Trichloroethene	0.298	J	ug/l
0F01017-BLK1	Methylene chloride	4.46	J	ug/l
0F02046-BLK1	Methylene chloride	4.18	J	ug/l
0F05029-BLK1	Methylene chloride	3.48	J	ug/l
0F06013-BLK1	Methylene chloride	5.23		ug/l
0F08014-BLK1	1,2,3-Trichlorobenzene	0.673	J	ug/l
0F08014-BLK1	1,2,4-Trichlorobenzene	0.577	J	ug/l
0F08014-BLK1	Methylene chloride	3.67	J	ug/l
0F08014-BLK1	Naphthalene	1.1		ug/l
0F09025-BLK1	1,2,3-Trichlorobenzene	0.545	J	ug/l
0F09025-BLK1	Methylene chloride	2.9	J	ug/l
0F09025-BLK1	Naphthalene	0.769	J	ug/l
0E28007-BLK1	Gasoline Range Hydrocarbons	14	J	ug/l
0E28007-BLK2	Gasoline Range Hydrocarbons	17.3	J	ug/l
0F02002-BLK1	Gasoline Range Hydrocarbons	7.13	J	ug/l
0F06006-BLK1	Gasoline Range Hydrocarbons	17.8	J	ug/l
0F06006-BLK2	Gasoline Range Hydrocarbons	25.5	J	ug/l
0E19005-BLK1	Diesel Range Hydrocarbons	0.0735	J	mg/l
0E20009-BLK1	Diesel Range Hydrocarbons	0.0576	J	mg/l
0E23001-BLK1	Diesel Range Hydrocarbons	0.0598	J	mg/l
0E24007-BLK1	Diesel Range Hydrocarbons	0.0397	J	mg/l
0E30018-BLK1	Diesel Range Hydrocarbons	0.0742	J	mg/l
0F02004-BLK1	Diesel Range Hydrocarbons	0.139	J	mg/l
0F02004-BLK1	Lube Oil Range Hydrocarbons	0.0999	J	mg/l
0F05016-BLK1	Diesel Range Hydrocarbons	0.0947	J	mg/l
0F05016-BLK1	Lube Oil Range Hydrocarbons	0.138	J	mg/l
0E18026-BLK1	Carbon dioxide	1.06	J	mg/l
0E19008-BLK1	Carbon dioxide	1.76	J	mg/l
0E22023-BLK1	Sulfide	3.52	J	mg/l
0E23018-BLK1	Sulfide	2.72	J	mg/l
0F08036-BLK1	Sulfide	1.12	J	mg/l
0E19018-BLK1	Sulfate	0.128	J	mg/l
0E22008-BLK1	Nitrite-Nitrogen	0.09	J	mg/l
0E22008-BLK1	Sulfate	0.081	J	mg/l
0E24009-BLK1	Chloride	0.128	J	mg/l
0E24009-BLK1	Sulfate	0.195	J	mg/l
0F02003-BLK1	Chloride	0.027	J	mg/l
0F02003-BLK1	Nitrite-Nitrogen	0.047	J	mg/l
0F02039-BLK1	Chloride	0.161	J	mg/l

2ndQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0F06010-BLK1	Chloride	0.153	J	mg/l
0500085-BLK1	Ethane	2.5	J	ug/l
0500085-BLK1	Ethene	1.8	J	ug/l
0E18044-BLK1	Manganese	0.000793	J	mg/l
0E19024-BLK1	Manganese	0.00295	J	mg/l
0E20001-BLK1	Cadmium	0.000355	J	mg/l
0E20001-BLK1	Zinc	0.00222	J	mg/l
0E20003-BLK1	Zinc	0.00842	J	mg/l
0E20005-BLK1	Sodium	0.0498	J	mg/l
0E20005-BLK2	Sodium	0.15	J	mg/l
0E23022-BLK1	Barium	0.000113	J	mg/l
0E23022-BLK1	Chromium	0.000285	J	mg/l
0E23022-BLK1	Manganese	0.0021	J	mg/l
0E23022-BLK1	Nickel	0.000265	J	mg/l
0E23022-BLK1	Zinc	0.00167	J	mg/l
0E23031-BLK1	Manganese	0.000738	J	mg/l
0E31006-BLK1	Nickel	0.000905	J	mg/l
0F01009-BLK1	Manganese	0.000349	J	mg/l
0F01021-BLK1	Cadmium	0.000168	J	mg/l
0F01021-BLK1	Copper	0.000493	J	mg/l
0F01021-BLK1	Lead	0.000424	J	mg/l
0F01021-BLK1	Manganese	0.00413	J	mg/l
0F01021-BLK1	Zinc	0.00708	J	mg/l
0F02010-BLK1	Iron	0.0591	J	mg/l
0F02036-BLK1	Manganese	0.000254	J	mg/l
0F02036-BLK2	Manganese	0.001	J	mg/l
0F08010-BLK1	Iron	0.0123	J	mg/l
0F12029-BLK1	Lead	0.000821	J	mg/l
0F12029-BLK1	Manganese	0.000775	J	mg/l
0F13008-BLK1	Lead	0.00065	J	mg/l
0F13008-BLK1	Manganese	0.0018	J	mg/l

### 3rdQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0H18023-BLK1	1,2,3-Trichlorobenzene	0.564	J	ug/l
0H18023-BLK1	4-Methyl-2-pentanone	1.25	U	ug/l
0H18023-BLK1	Acetone	7.68	J	ug/l
0H18023-BLK1	Methylene chloride	1.73	J	ug/l
0H18023-BLK1	Naphthalene	0.572	J	ug/l
0H18048-BLK1	Hexachlorobutadiene	0.52	J	ug/l
0H18048-BLK1	Methylene chloride	1.08	J	ug/l
0H21009-BLK1	1,2,3-Trichlorobenzene	0.668	J	ug/l
0H21009-BLK1	Acetone	5.87	J	ug/l
0H21009-BLK1	Hexachlorobutadiene	0.636	J	ug/l
0H21009-BLK1	Methylene chloride	2.21	J	ug/l
0H21009-BLK1	Naphthalene	0.708	J	ug/l
0H21009-BLK2	Acetone	3.3	J	ug/l
0H21009-BLK2	Methylene chloride	1.33	J	ug/l
0H21009-BLK3	1,2,3-Trichlorobenzene	1.24		ug/l
0H21009-BLK3	1,2,4-Trichlorobenzene	0.74	J	ug/l
0H21009-BLK3	Hexachlorobutadiene	1.75		ug/l
0H21009-BLK3	Methylene chloride	3.58	J	ug/l
0H21009-BLK3	Naphthalene	0.666	J	ug/l
0H21022-BLK1	Methylene chloride	1.84	J	ug/l
0H21022-BLK1	Toluene	0.696	J	ug/l
0H21022-BLK3	1,2,3-Trichlorobenzene	1.24		ug/l
0H21022-BLK3	1,2,4-Trichlorobenzene	0.74	J	ug/l
0H21022-BLK3	Hexachlorobutadiene	1.75		ug/l
0H21022-BLK3	Methylene chloride	3.58	J	ug/l
0H21022-BLK3	Naphthalene	0.666	J	ug/l
0H23005-BLK1	1,2,3-Trichlorobenzene	0.464	J	ug/l
0H23005-BLK1	1,2,4-Trichlorobenzene	0.336	J	ug/l
0H23005-BLK1	Acetone	3.3	J	ug/l
0H23005-BLK1	Ethylbenzene	0.258	J	ug/l
0H23005-BLK1	Hexachlorobutadiene	0.436	J	ug/l
0H23005-BLK1	n-Butylbenzene	0.125	U	ug/l
0H23005-BLK1	Naphthalene	0.478	J	ug/l
0H23028-BLK1	Hexachlorobutadiene	0.604	J	ug/l
0H23028-BLK1	Methylene chloride	2.71	J	ug/l
0H23043-BLK1	Methylene chloride	2.55	J	ug/l
0H23049-BLK1	1,2,3-Trichlorobenzene	1.24		ug/l
0H23049-BLK1	1,2,4-Trichlorobenzene	0.74	J	ug/l
0H23049-BLK1	Hexachlorobutadiene	1.75		ug/l
0H23049-BLK1	Methylene chloride	3.58	J	ug/l
0H23049-BLK1	Naphthalene	0.666	J	ug/l
0H23049-BLK2	Hexachlorobutadiene	0.518	J	ug/l
0H23049-BLK2	Methylene chloride	1.62	J	ug/l
0H24013-BLK1	Hexachlorobutadiene	0.518	J	ug/l
0H24013-BLK1	Methylene chloride	1.92	J	ug/l
0H24024-BLK1	Hexachlorobutadiene	0.518	J	ug/l

### 3rdQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0H24024-BLK1	Methylene chloride	1.62	J	ug/l
0H25024-BLK1	Methylene chloride	1.65	J	ug/l
0H18005-BLK1	Gasoline Range Hydrocarbons	9.75	J	ug/l
0H18005-BLK2	Gasoline Range Hydrocarbons	7.65	J	ug/l
0H11017-BLK1	Diesel Range Hydrocarbons	0.0695	J	mg/l
0H11017-BLK1	Lube Oil Range Hydrocarbons	0.164	J	mg/l
0H15002-BLK1	Diesel Range Hydrocarbons	0.0512	J	mg/l
0H18007-BLK1	Diesel Range Hydrocarbons	0.0293	J	mg/l
0H19011-BLK1	Diesel Range Hydrocarbons	0.0413	J	mg/l
0H21013-BLK1	Diesel Range Hydrocarbons	0.0593	J	mg/l
0H22004-BLK1	Diesel Range Hydrocarbons	0.0446	J	mg/l
0H23016-BLK1	Diesel Range Hydrocarbons	0.0298	J	mg/l
0H16037-BLK1	Iron	0.0127	J	mg/l
0H22029-BLK1	Iron	0.0115	J	mg/l
0H14044-BLK1	Manganese	0.000305	J	mg/l
0H17038-BLK1	Manganese	0.000869	J	mg/l
0H21051-BLK1	Manganese	0.00775	J	mg/l
0H22034-BLK1	Manganese	0.00249	J	mg/l
0H19013-BLK1	Nitrate-Nitrogen	0.085	J	mg/L
0H23041-BLK1	Chloride	0.075	J	mg/l
0H23041-BLK1	Sulfate	0.131	J	mg/l
0H17005-BLK1	Total Organic Carbon	0.63	J	mg/l
0H25017-BLK1	Total Organic Carbon	0.484	J	mg/l
0H15009-BLK1	Carbon dioxide	1.32	J	mg/l



4thQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0J27047-BLK1	m,p-Xylene	0.712	J	ug/l
0J27047-BLK1	Toluene	0.569	J	ug/l
0K06008-BLK1	Methylene chloride	0.85	J	ug/l
0K09007-BLK1	Methylene chloride	1.01	J	ug/l
0K09057-BLK1	Methylene chloride	1.1	J	ug/l
0K12010-BLK1	Methylene chloride	1.5	J	ug/l
0K14016-BLK1	Toluene	0.627	J	ug/l
0K15052-BLK1	Methylene chloride	0.876	J	ug/l
0J28013-BLK1	Bis(2-ethylhexyl)phthalate	0.64	J	ug/l
0J29006-BLK1	Bis(2-ethylhexyl)phthalate	0.92	J	ug/l
0K01008-BLK1	Bis(2-ethylhexyl)phthalate	4.42	J	ug/l
0K01008-BLK1	Di-n-butyl phthalate	1.78	J	ug/l
0K06004-BLK1	Bis(2-ethylhexyl)phthalate	0.66	J	ug/l
0K06004-BLK1	Di-n-butyl phthalate	1.98	J	ug/l
0K07004-BLK1	Di-n-butyl phthalate	2.22	J	ug/l
0K10003-BLK1	Di-n-butyl phthalate	1.48	J	ug/l
0K08042-BLK2	Gasoline Range Hydrocarbons	11.6	J	ug/l
0K08055-BLK2	Gasoline Range Hydrocarbons	7.19	J	ug/l
0J28008-BLK1	Diesel Range Hydrocarbons	0.0676	J	mg/l
0J29007-BLK1	Diesel Range Hydrocarbons	0.0445	J	mg/l
0K01010-BLK1	Diesel Range Hydrocarbons	0.188	J	mg/l
0K01010-BLK1	Lube Oil Range Hydrocarbons	0.152	J	mg/l
0K06003-BLK1	Diesel Range Hydrocarbons	0.19	J	mg/l
0K06003-BLK1	Lube Oil Range Hydrocarbons	0.175	J	mg/l
0K07013-BLK1	Diesel Range Hydrocarbons	0.135	J	mg/l
0K08010-BLK1	Diesel Range Hydrocarbons	0.208	J	mg/l
0K09001-BLK1	Diesel Range Hydrocarbons	0.147	J	mg/l
0K09001-BLK1	Lube Oil Range Hydrocarbons	0.148	J	mg/l
0K10008-BLK1	Diesel Range Hydrocarbons	0.144	J	mg/l
0K10008-BLK1	Lube Oil Range Hydrocarbons	0.166	J	mg/l
0K09028-BLK1	Iron	0.121	J	mg/l
0J31007-BLK1	Zinc	0.00146	J	mg/l
0K03008-BLK1	Lead	0.000165	J	mg/l
0K03008-BLK1	Manganese	0.00166	J	mg/l
0K03008-BLK1	Zinc	0.00275	J	mg/l
0K07033-BLK1	Manganese	0.00805	J	mg/l
0K08021-BLK1	Copper	0.000401	J	mg/l
0K08021-BLK1	Lead	0.00014	J	mg/l
0K08021-BLK1	Manganese	0.000549	J	mg/l
0K08021-BLK1	Zinc	0.00408	J	mg/l
0K09035-BLK1	Arsenic	0.000277	J	mg/l
0K09035-BLK1	Barium	0.000726	J	mg/l

#### 4thQ00 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0K09035-BLK1	Chromium	0.000486	J	mg/l
0K09035-BLK1	Copper	0.00026	J	mg/l
0K09035-BLK1	Lead	0.00018	J	mg/l
0K09035-BLK1	Manganese	0.000514	J	mg/l
0K09035-BLK1	Zinc	0.00166	J	mg/l
0K09052-BLK1	Manganese	0.000327	J	mg/l
0K03002-BLK2	Chloride	0.112	J	mg/l
0K10005-BLK1	Chloride	0.028	J	mg/l
0K09009-BLK1	Chloride	0.057	J	mg/l
0K12001-BLK1	Chloride	0.046	J	mg/l
0K12001-BLK2	Chloride	0.07	J	mg/l
0J26025-BLK1	Cyanide (total)	0.00166	J	mg/l

1stQ01 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
1B23019-BLK1	Methylene chloride	19.1		ug/l
1B27009-BLK1	Methylene chloride	1.29	J	ug/l
1C07017-BLK1	Methylene chloride	4.96	J	ug/l
1C09024-BLK1	Methylene chloride	0.838	J	ug/l
1C13015-BLK1	Methylene chloride	0.82	J	ug/l
1B26014-BLK1	Bis(2-ethylhexyl)phthalate	1.14	J	ug/l
1B26014-BLK1	Di-n-butyl phthalate	1.18	J	ug/l
1C06006-BLK1	Bis(2-ethylhexyl)phthalate	11	J	ug/l
1C06035-BLK1	Gasoline Range Hydrocarbons	8.01	J	ug/l
1B23011-BLK1	Diesel Range Hydrocarbons	0.0599	J	mg/l
1B23011-BLK1	Lube Oil Range Hydrocarbons	0.0418	J	mg/l
1B26015-BLK1	Diesel Range Hydrocarbons	0.0454	J	mg/l
1B26015-BLK1	Diesel Range Hydrocarbons	0.0454	J	mg/l
1B28007-BLK1	Diesel Range Hydrocarbons	0.0846	J	mg/l
1B28007-BLK1	Lube Oil Range Hydrocarbons	0.0851	J	mg/l
1C02012-BLK1	Diesel Range Hydrocarbons	0.104	J	mg/l
1C02012-BLK1	Lube Oil Range Hydrocarbons	0.0877	J	mg/l
1C04001-BLK1	Diesel Range Hydrocarbons	0.0724	J	mg/l
1C04001-BLK1	Lube Oil Range Hydrocarbons	0.0529	J	mg/l
1C08017-BLK1	Diesel Range Hydrocarbons	0.065	J	mg/l
1C08017-BLK1	Lube Oil Range Hydrocarbons	0.500	U	mg/l
1C10002-BLK1	Diesel Range Hydrocarbons	0.075	J	mg/l
1C10002-BLK1	Lube Oil Range Hydrocarbons	0.0445	J	mg/l
1C11002-BLK1	Diesel Range Hydrocarbons	0.0612	J	mg/l
1C11002-BLK1	Lube Oil Range Hydrocarbons	0.0431	J	mg/l
1B21009-BLK1	Arsenic	0.000131	J	mg/l
1B21009-BLK1	Lead	0.000068	J	mg/l
1B21009-BLK1	Manganese	0.000245	J	mg/l
1B21009-BLK1	Silver	0.000097	J	mg/l
1B22029-BLK1	Lead	0.00008	J	mg/l
1B22029-BLK1	Nickel	0.000095	J	mg/l
1B22029-BLK1	Silver	0.000121	J	mg/l
1C01012-BLK1	Sodium	0.0684	J	mg/l
1B23022-BLK1	Manganese	0.00296	J	mg/l
1B26006-BLK1	Manganese	0.00126	J	mg/l
1C01016-BLK1	Manganese	0.00101	J	mg/l
1C07025-BLK1	Manganese	0.000482	J	mg/l
1C08027-BLK1	Manganese	0.00409	J	mg/l
1B27037-BLK1	Total Dissolved Solids	10	J	mg/l
1C05037-BLK1	Total Dissolved Solids	10	J	mg/l
1C09012-BLK1	Total Dissolved Solids	10	J	mg/l
1C15025-BLK1	Total Dissolved Solids	10	J	mg/l
1C05020-BLK1	Nitrite-Nitrogen	0.05	J	mg/l
1C08014-BLK1	Nitrite-Nitrogen	0.051	J	mg/l
1B23033-BLK1	Carbon dioxide	1.23	J	mg/l
0103006-BLK1	Methane	0.999	J	ug/l

# 1stQ01 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
0103008-BLK1	Methane	0.769	J	ug/l

### 3rdQ01 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
1H27017-BLK1	Trichloroethene	1.29		ug/l

### 3rdQ02 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
2H14025-BLK1	Bis(2-ethylhexyl)phthalate	0.738		ug/l

2002 background wells method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
2J02024-BLK1	1,1,2,2-Tetrachloroethane	0.412		ug/l
2J02024-BLK1	1,1-Dichloroethene	0.108		ug/l
2J02024-BLK1	1,2-Dichloroethane	0.223		ug/l
2J02024-BLK1	1,4-Dichlorobenzene	0.214		ug/l
2I20009-BLK1	Bis(2-ethylhexyl)phthalate	10.1		ug/l

### 1stQ03 method blank results - summary of detected compounds

Lab Sample ID	Analyte	Concentration	Qualifier	Units
3B07002-BLK1	Bis(2-ethylhexyl)phthalate	0.0200		ug/l
3E20004-BLK1	Total Dissolved Solids	12		mg/l







## **APPENDIX 5F**

### **DETECTED COMPOUNDS IN RINSATE BLANKS GROUNDWATER MONITORING EVENTS 1Q00 TO 1Q03**

**1stQ00 equipment rinsate blank results - summary of detected compounds**

Sample ID	Lab Sample ID	Method	Analyte	Concentration	Qualifier	Units
Equipment Blank	P002217-06	8260B	Chloroform	0.82		ug/l
Equipment Blank	P002217-06	8260B	Toluene	0.25	J	ug/l

Technical memorandum XI 2003 equipment blank results for VOCs by SW-846 method 8260B

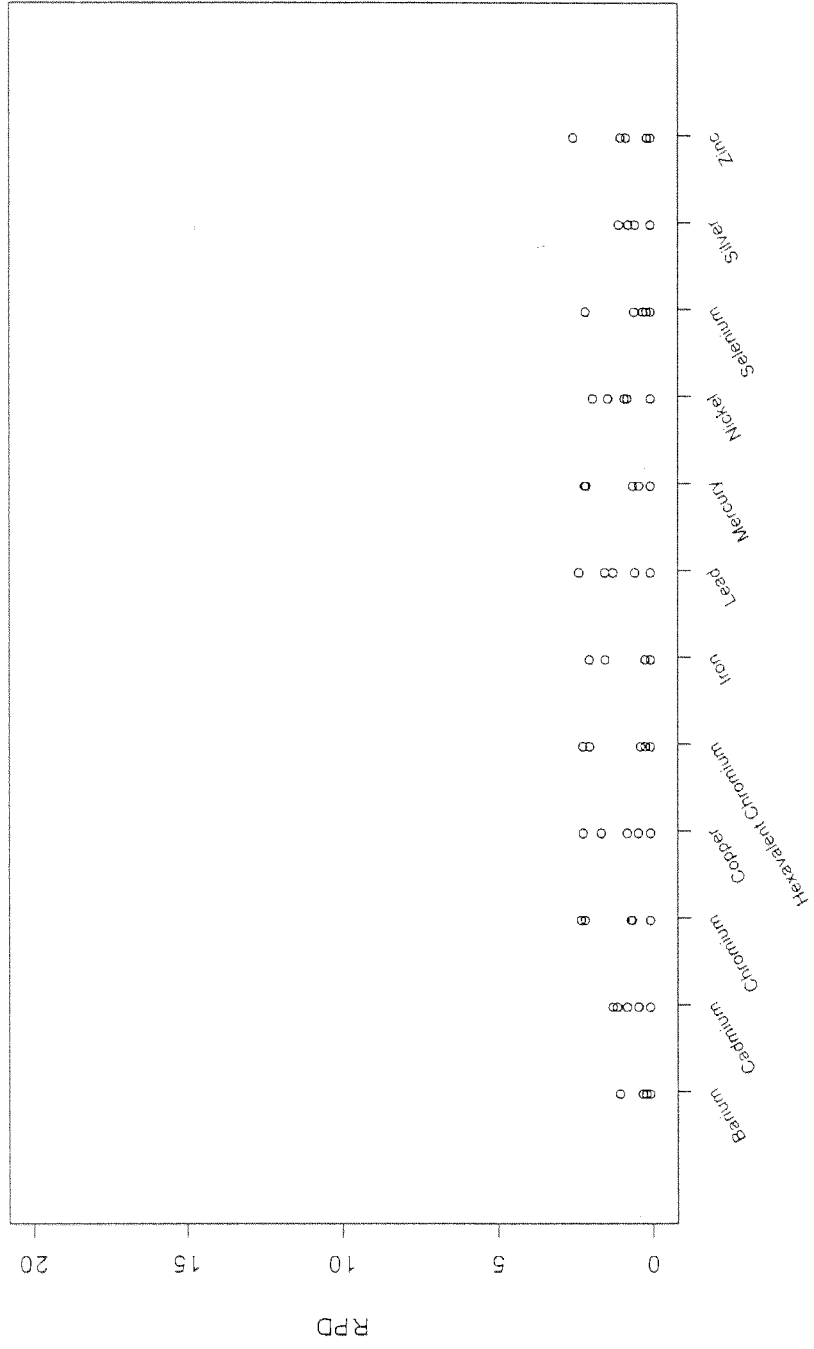
Sample ID	Laboratory Sample ID	Analyte	Concentration	Qualifier	Units
B5b-11-0403-EB	B3D0243-06	Chloroform	1.03		ug/l



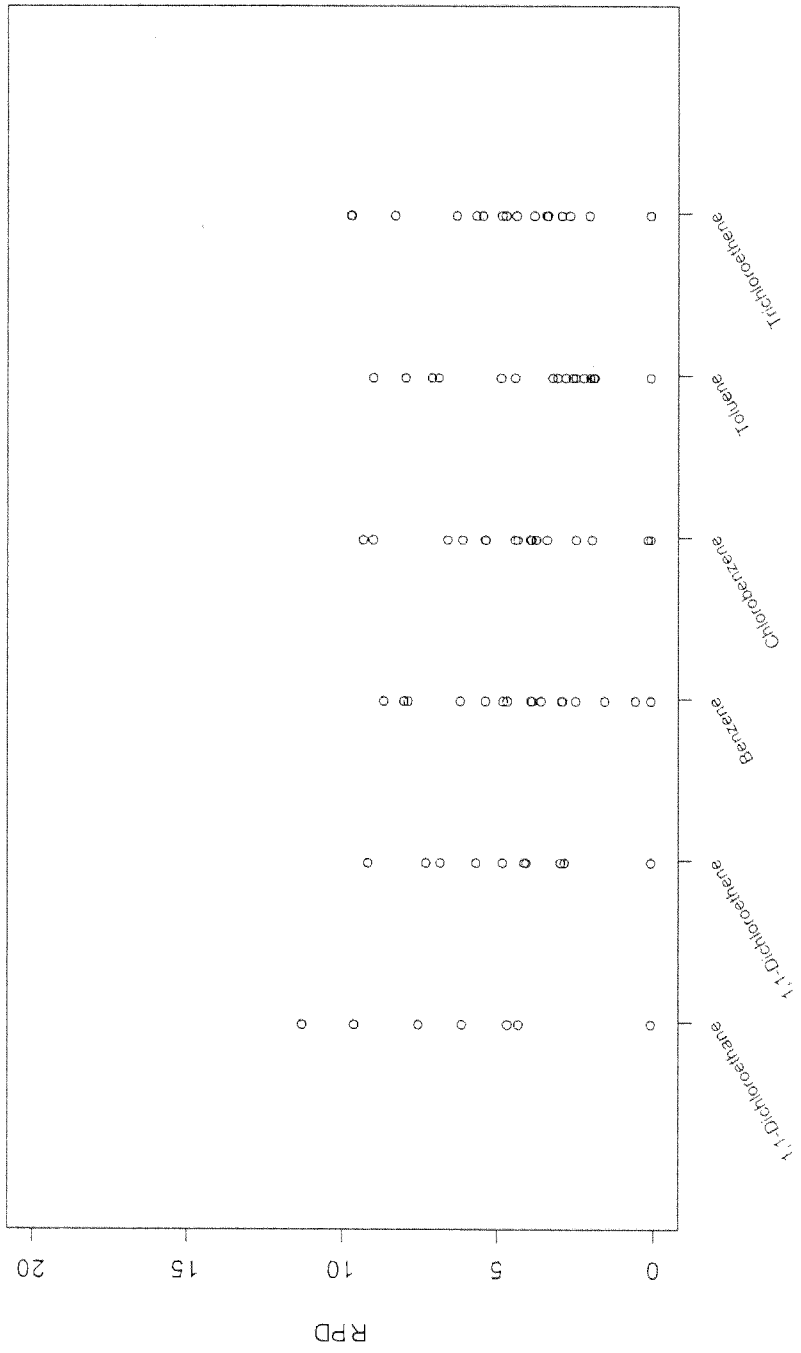
## **APPENDIX 5G**

### **SUMMARY OF RESULTS FOR LCS - RELATIVE PERCENT DIFFERENCE AND LCS - PERCENT RECOVERY**

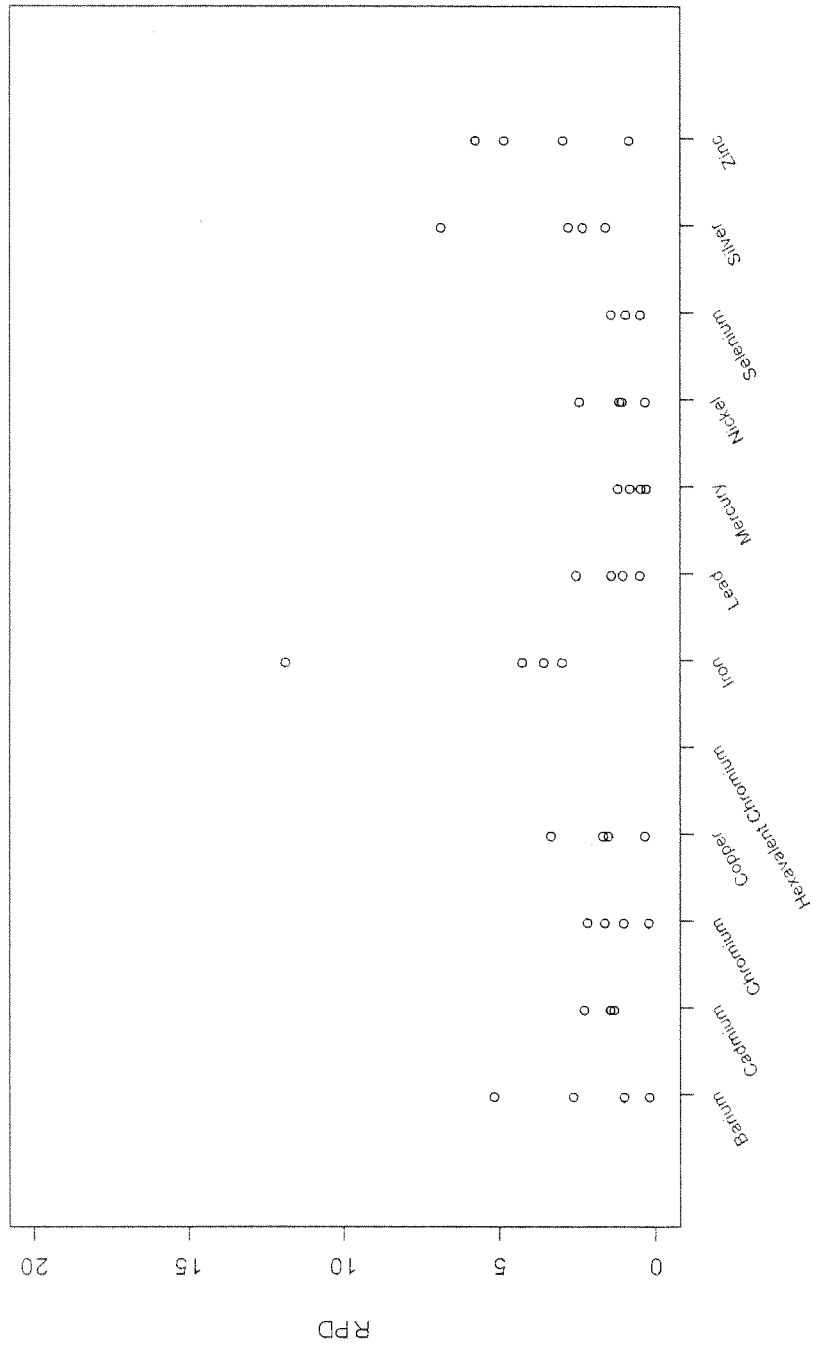
2002TMVII Quarter LCS - Relative Percent Difference for Metals



2002TMV11 Quarter LCS - Relative Percent Difference for VOC

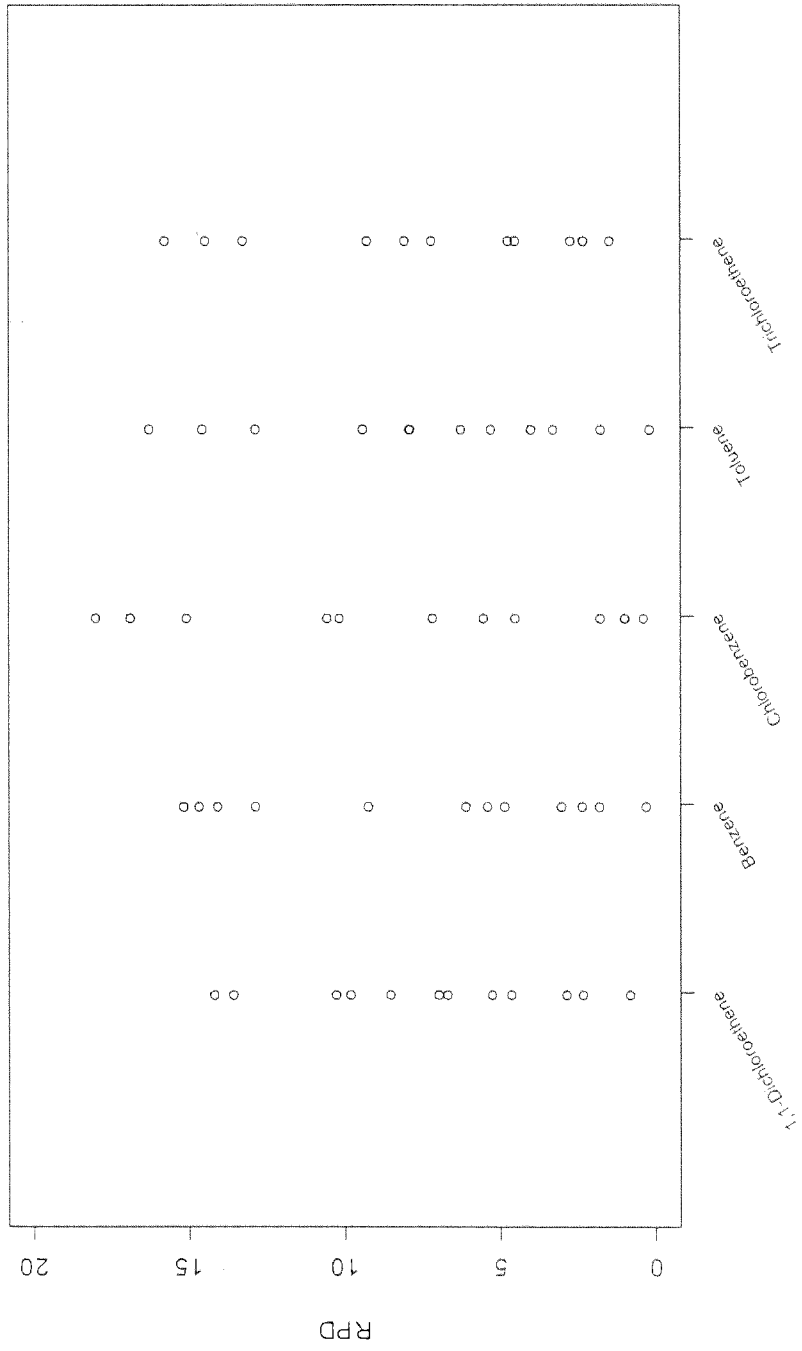


2002TMVII Quarter Matrix Spike - Relative Percent Difference for Metals



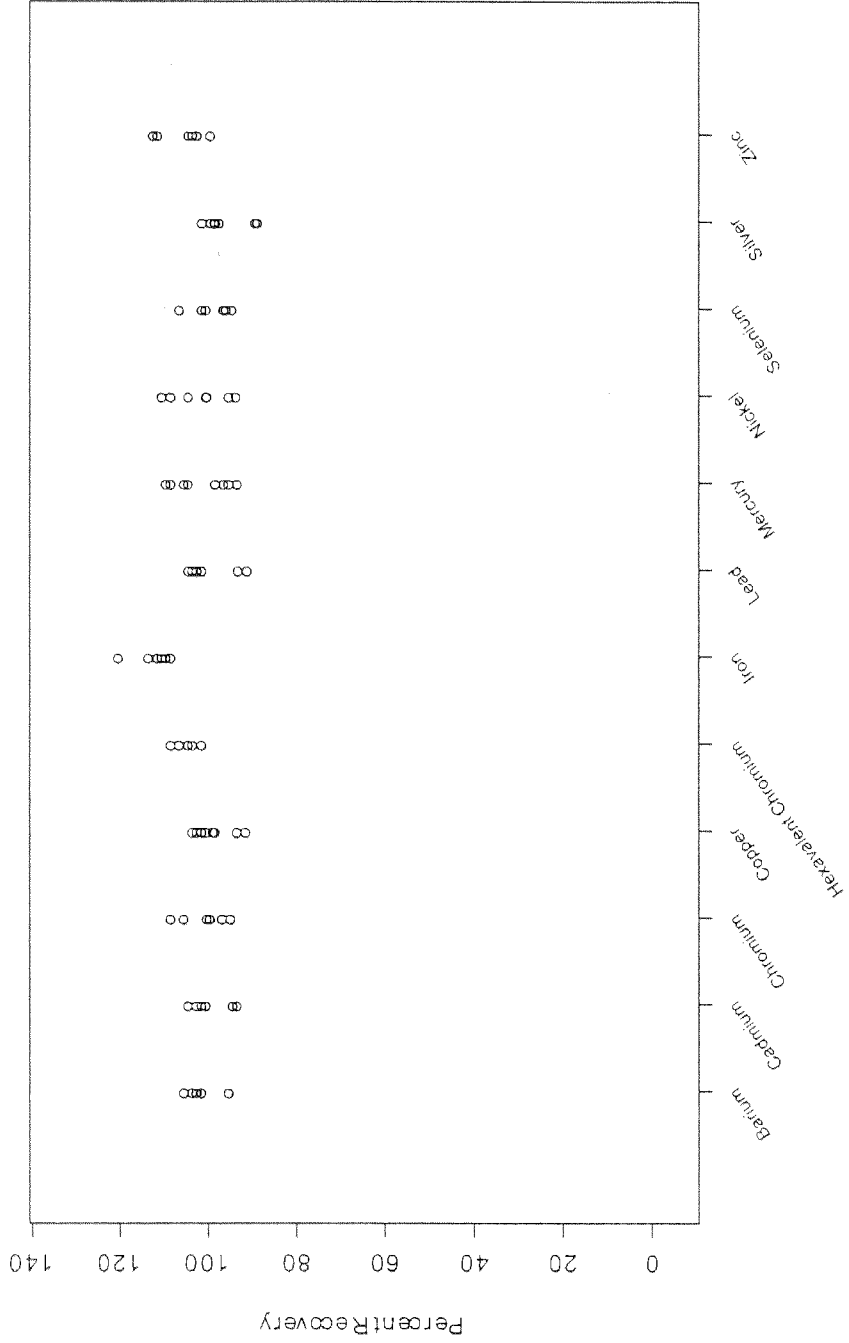


2002TMVII Quarter Matrix Spike - Relative Percent Difference for VOC



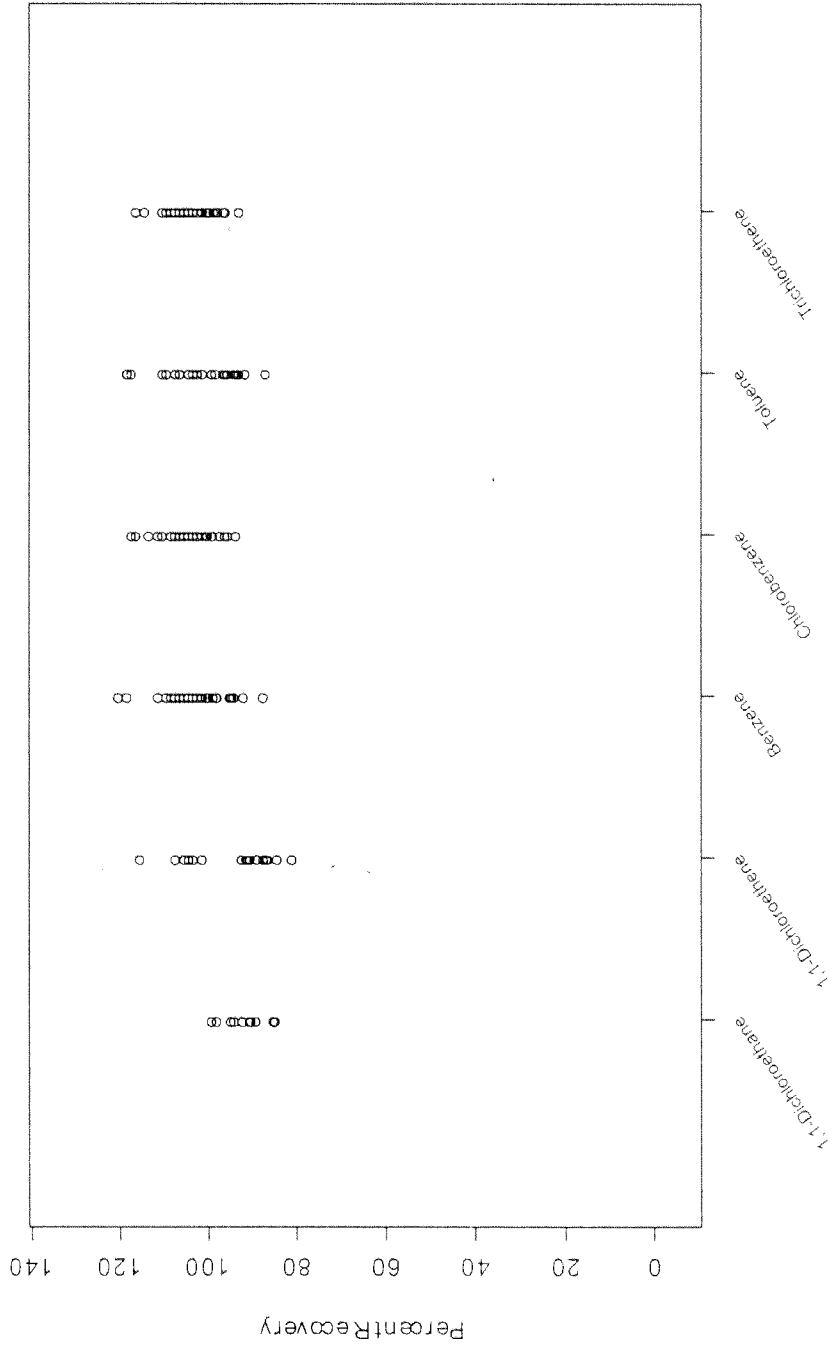
2002TMVII Quarter LCS - Percent Recovery for Metals

Stat	Barium	Cadmium	Chromium	Copper	Hexavalent Chromium	Iron	Lead	Mercury	Nickel	Selenium	Silver	Zinc
N	8	8	8	8	8	8	8	8	8	8	8	8
Min	94.9	93	94.4	91.1	101	108	90.8	93	93.3	94.2	88.4	99.1
Median	101.5	101	102.4	99.2	105	110.5	102	101	102	98.1	98	103
Max	105	104	108	103	108	120	104	109	110	106	101	112



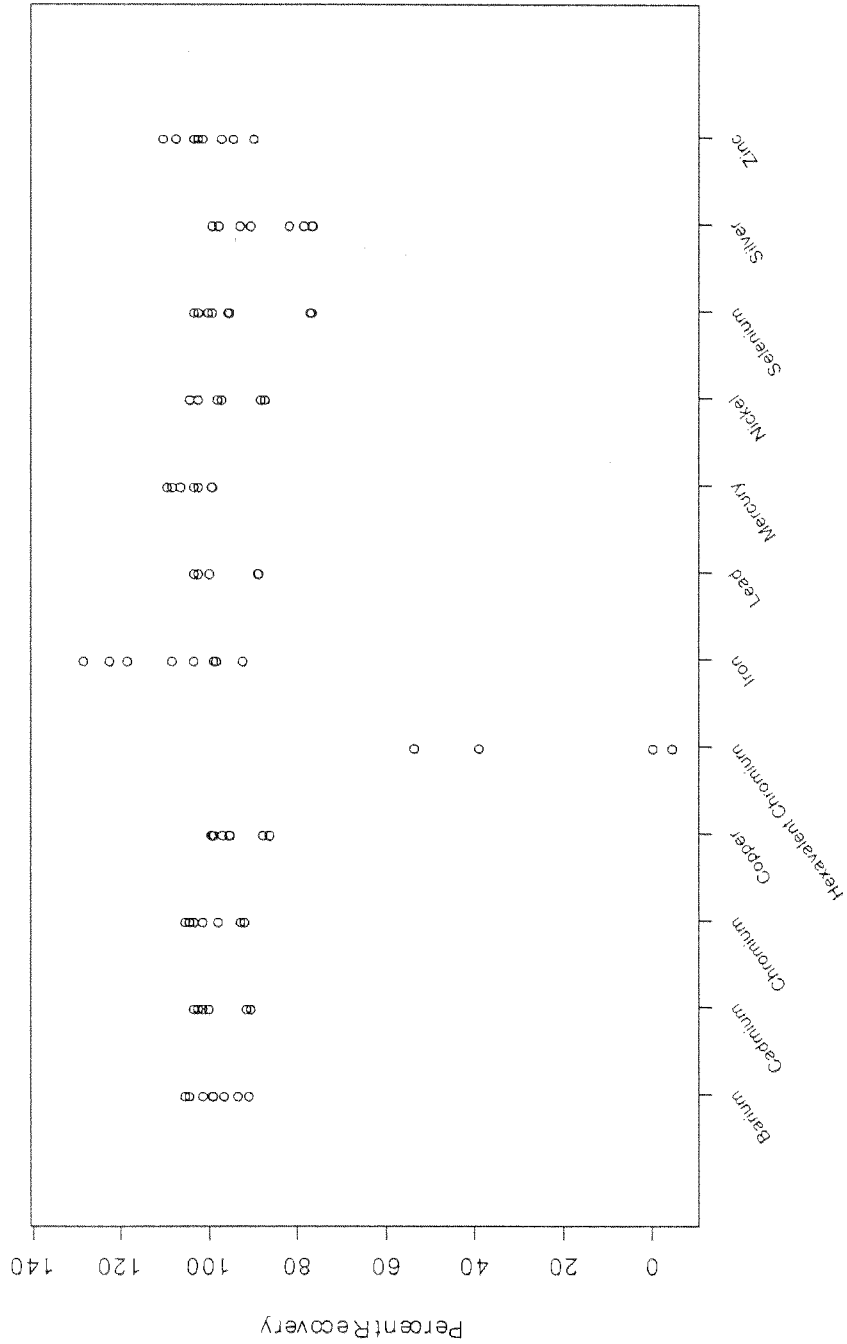
2002TMVII Quarter LCS - Percent Recovery for VOC

	12	20	32	32
N	12	20	32	32
Min	84.4	80.6	87	92.6
Median	90	91.5	101	102
Max	98.9	115	120	116



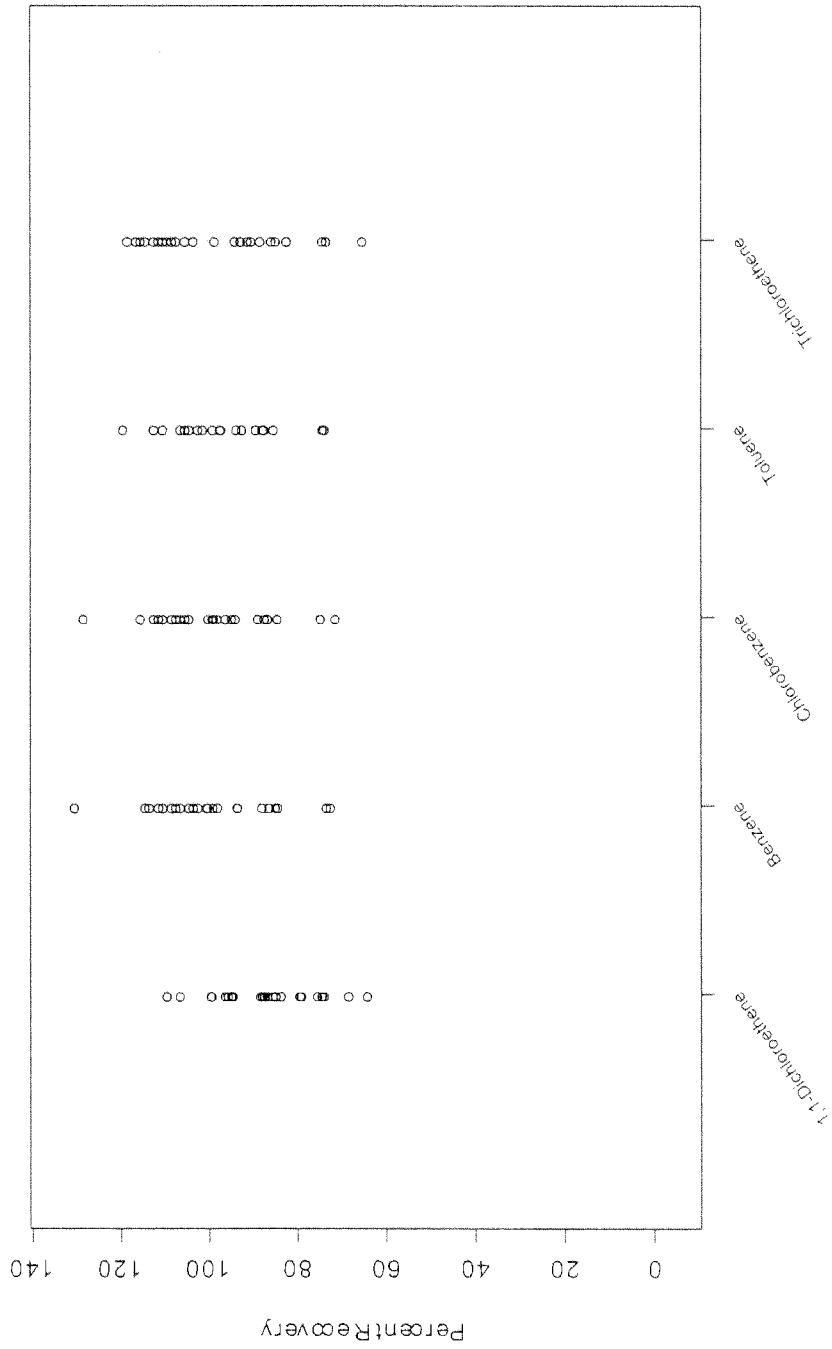
2002TMVII Quarter Matrix Spike - Percent Recovery for Metals

	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
N	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
Min	90.5	90	91.5	85.8	85.8	5.23	92	88.3	98.8	98.8	86.9	76.2	75.9	89.4	89.4	89.4	89.4
Median	98.6	101	99.3	95.8	18.8	105.5	102	104.5	104.5	99.9	97.2	103	85.7	101.5	101.5	101.5	101.5
Max	105	103	105	99.1	53.2	128	103	104	109	104	103	103	98.9	110	110	110	110



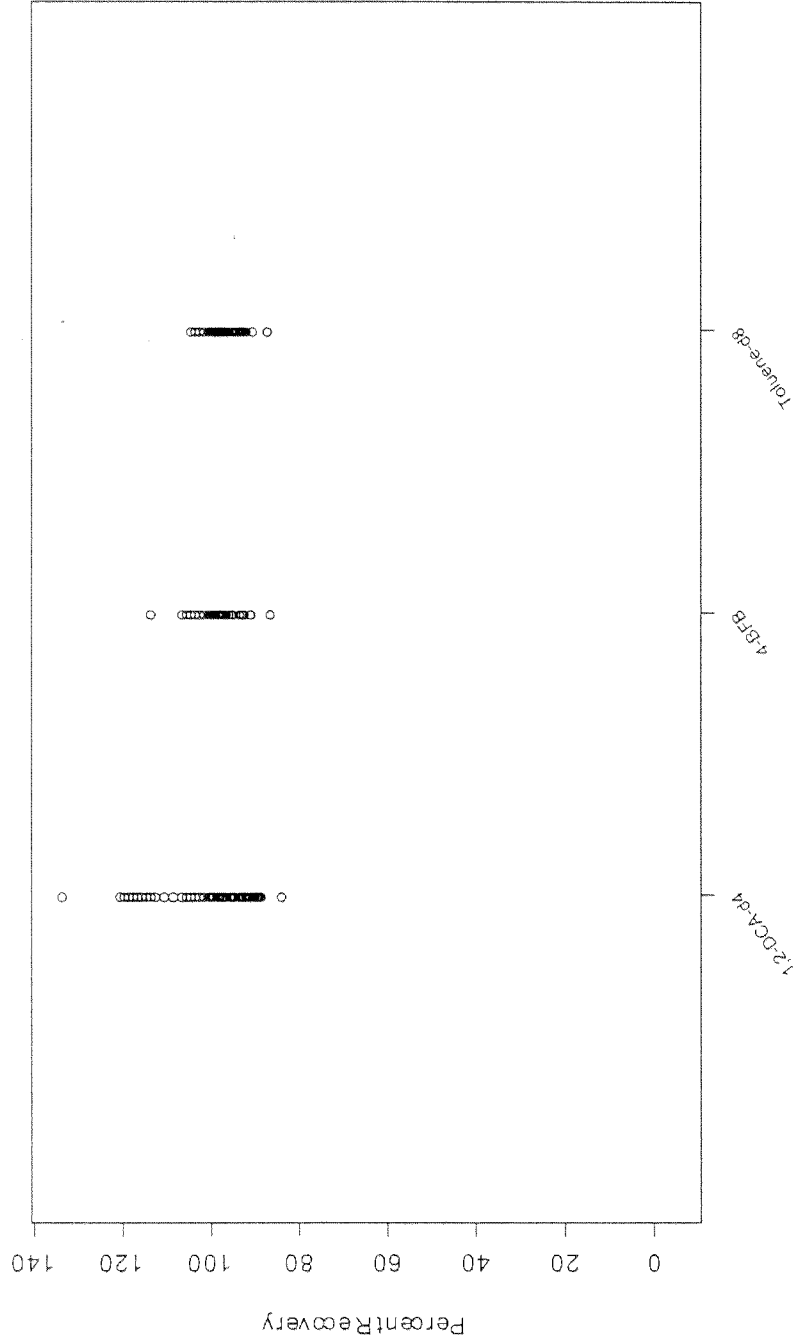
2002TMVII Quarter Matrix Spike - Percent Recovery for VOC

	24	24	24	24	24	24	24
N	24	24	24	24	24	24	24
Min	63.8	72.1	71	73.5	65	71	65
Median	87.2	101	99.2	98.7	100.6	98.7	100.6
Max	109	130	128	119	118	128	118

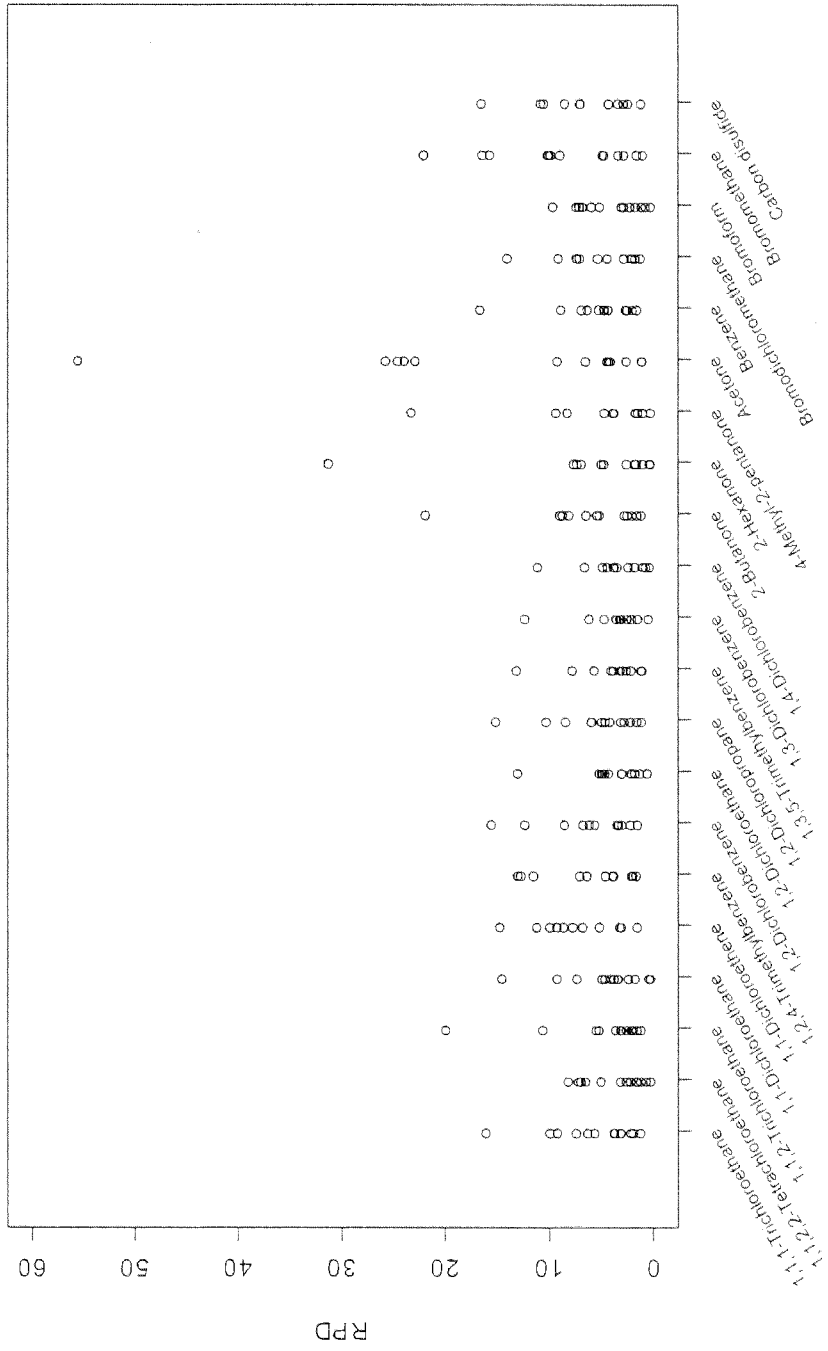


2002TMVII Quarter Surrogates - Percent Recovery for VOC

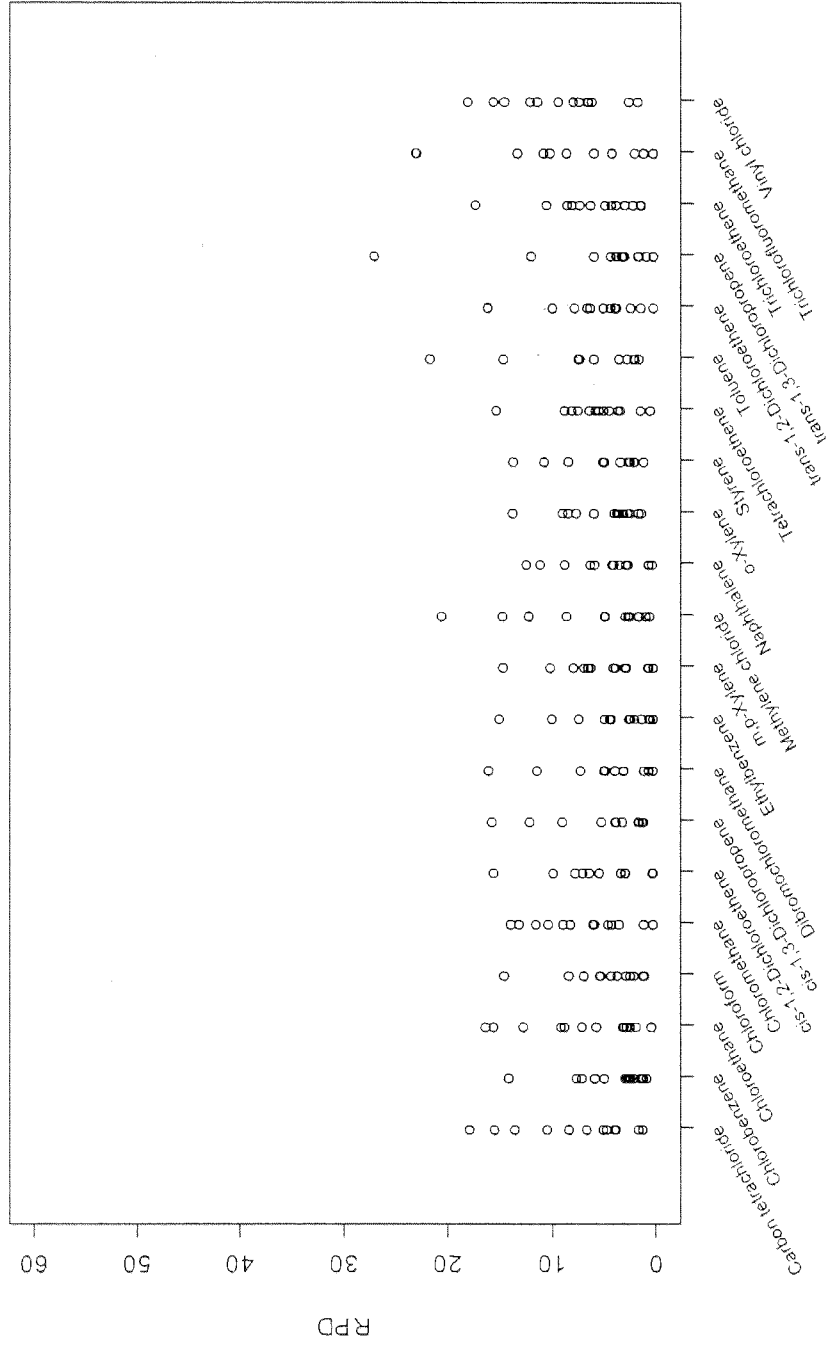
N	226	226	226
Min	83.4	86.7	86.7
Median	104	99.1	99.1
Max	133	104	104



Q3HC02 Quarter LCS - Relative Percent Difference for 8260B

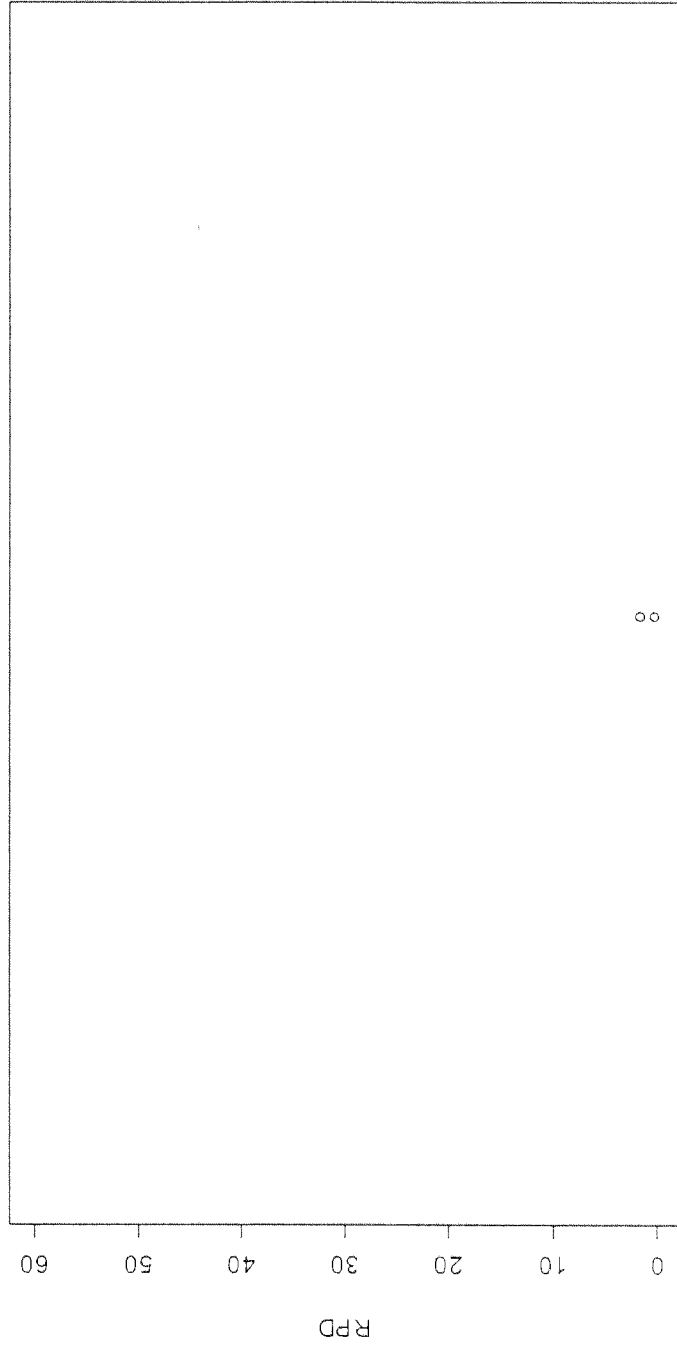


Q3HC02 Quarter LCS - Relative Percent Difference for 8260B (continued)

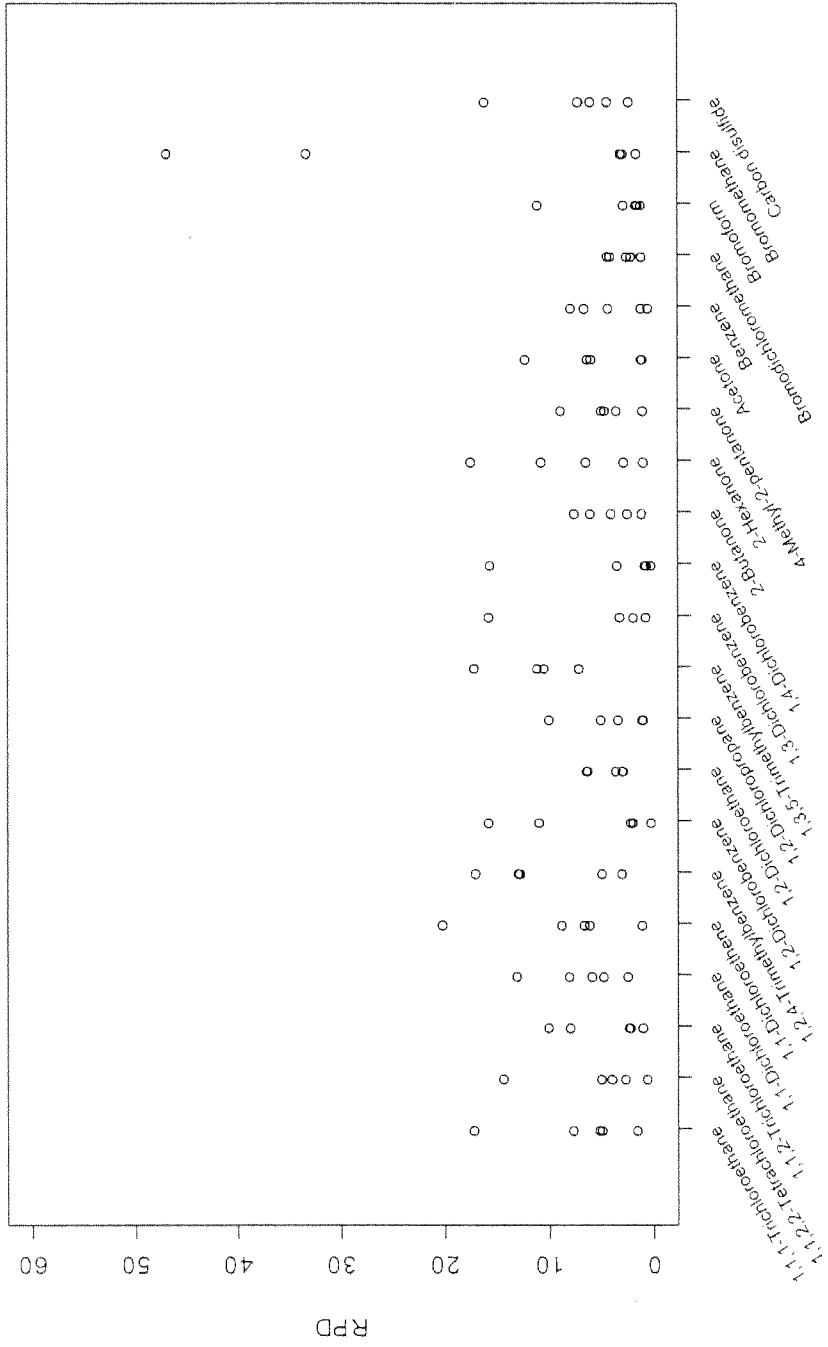




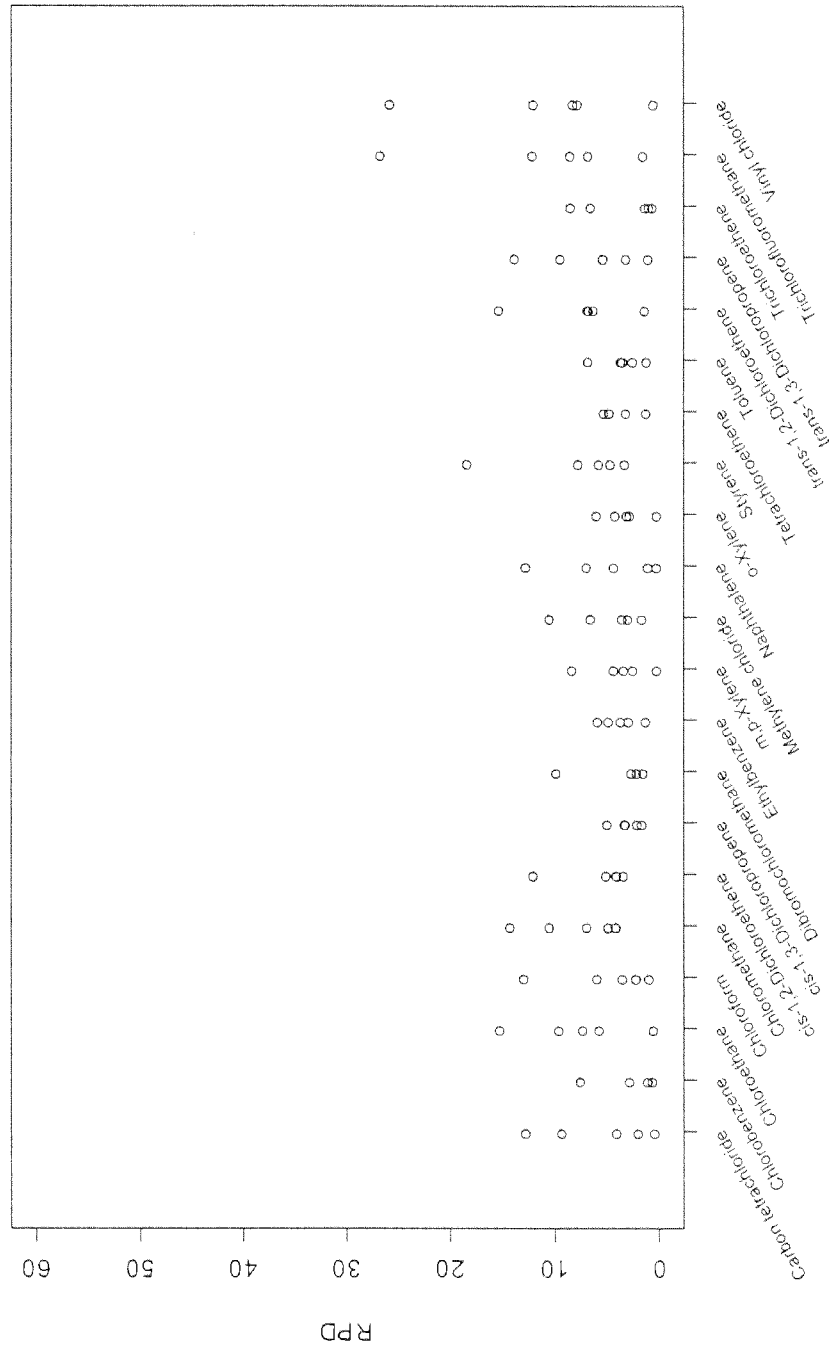
Q3HC02 Quarter LCS - Relative Percent Difference for Metals



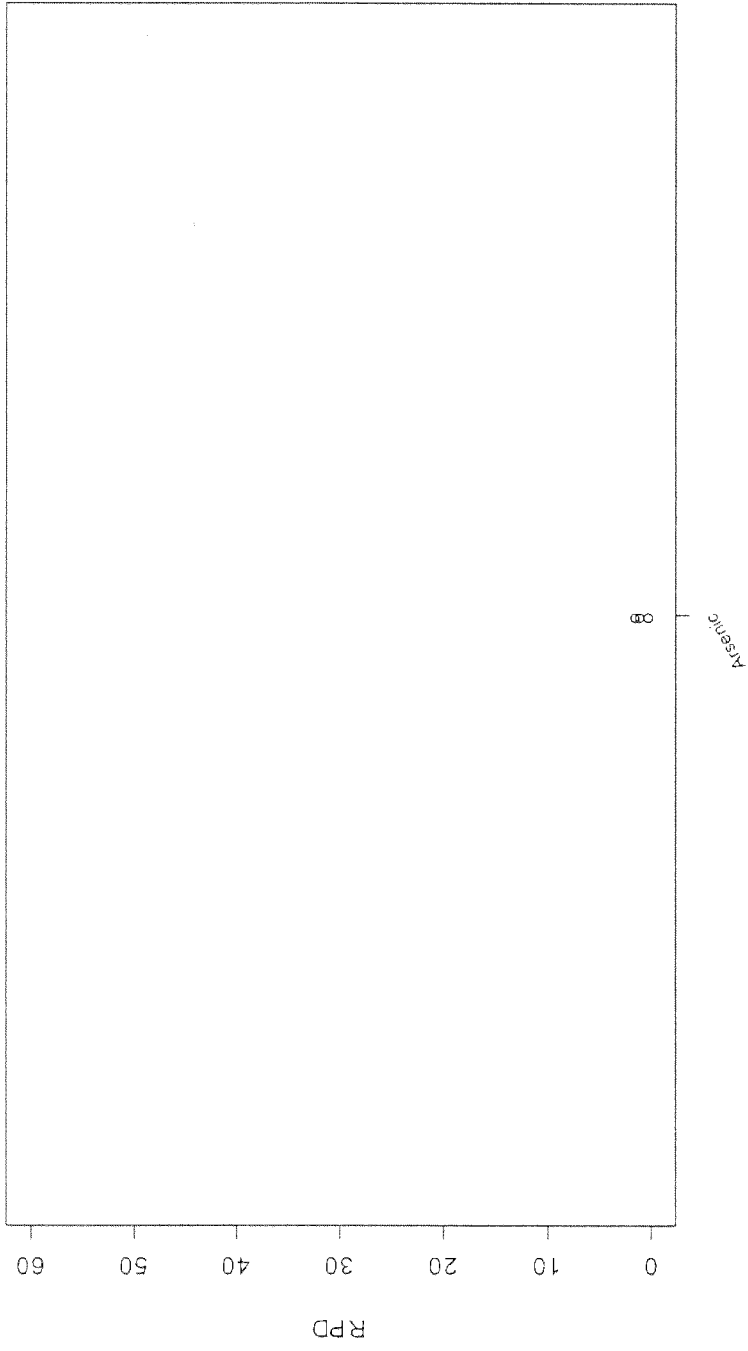
Q3HC02 Quarter Matrix Spike - Relative Percent Difference for 8260B



Q3HC02 Quarter Matrix Spike - Relative Percent Difference for 8260B (continued)

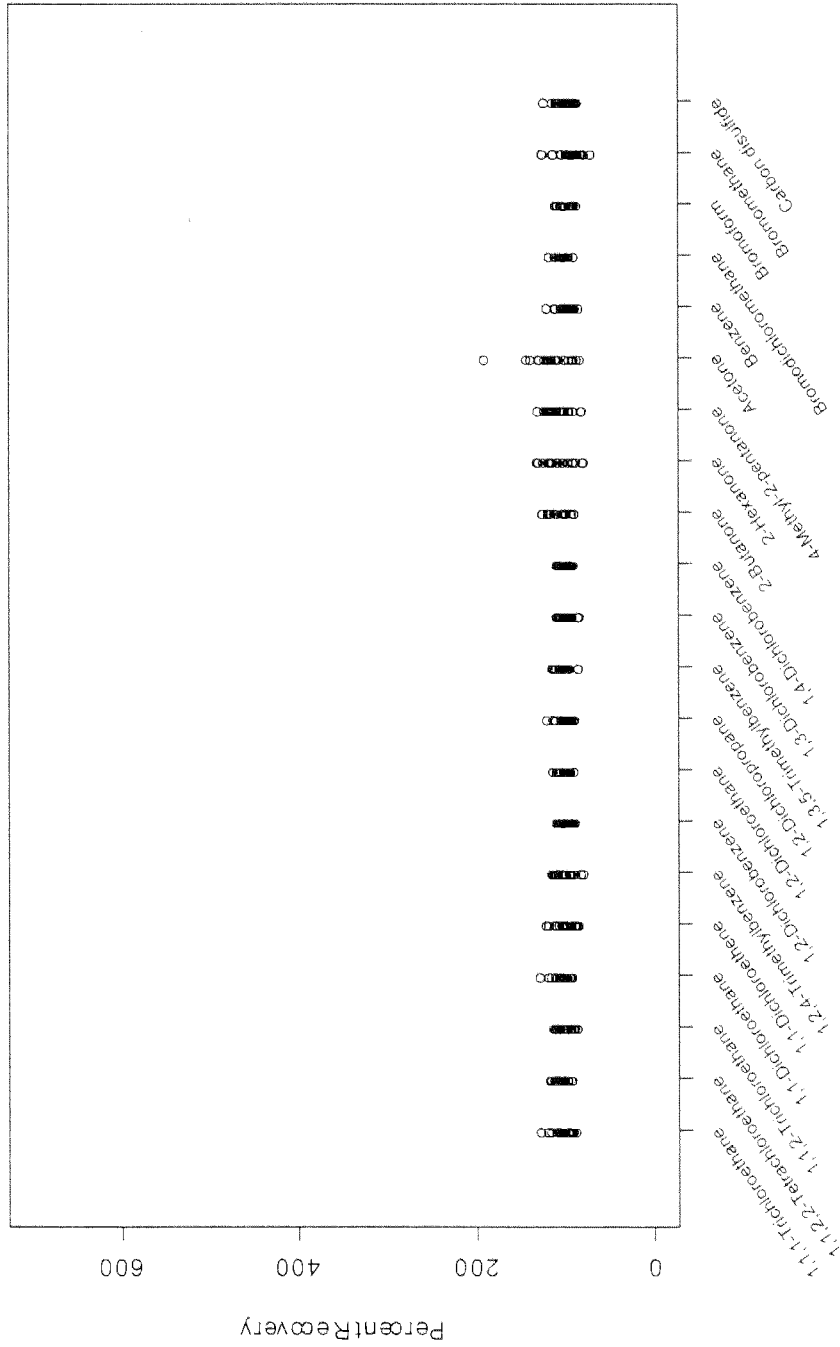


Q3HC02 Quarter Matrix Spike - Relative Percent Difference for Metals



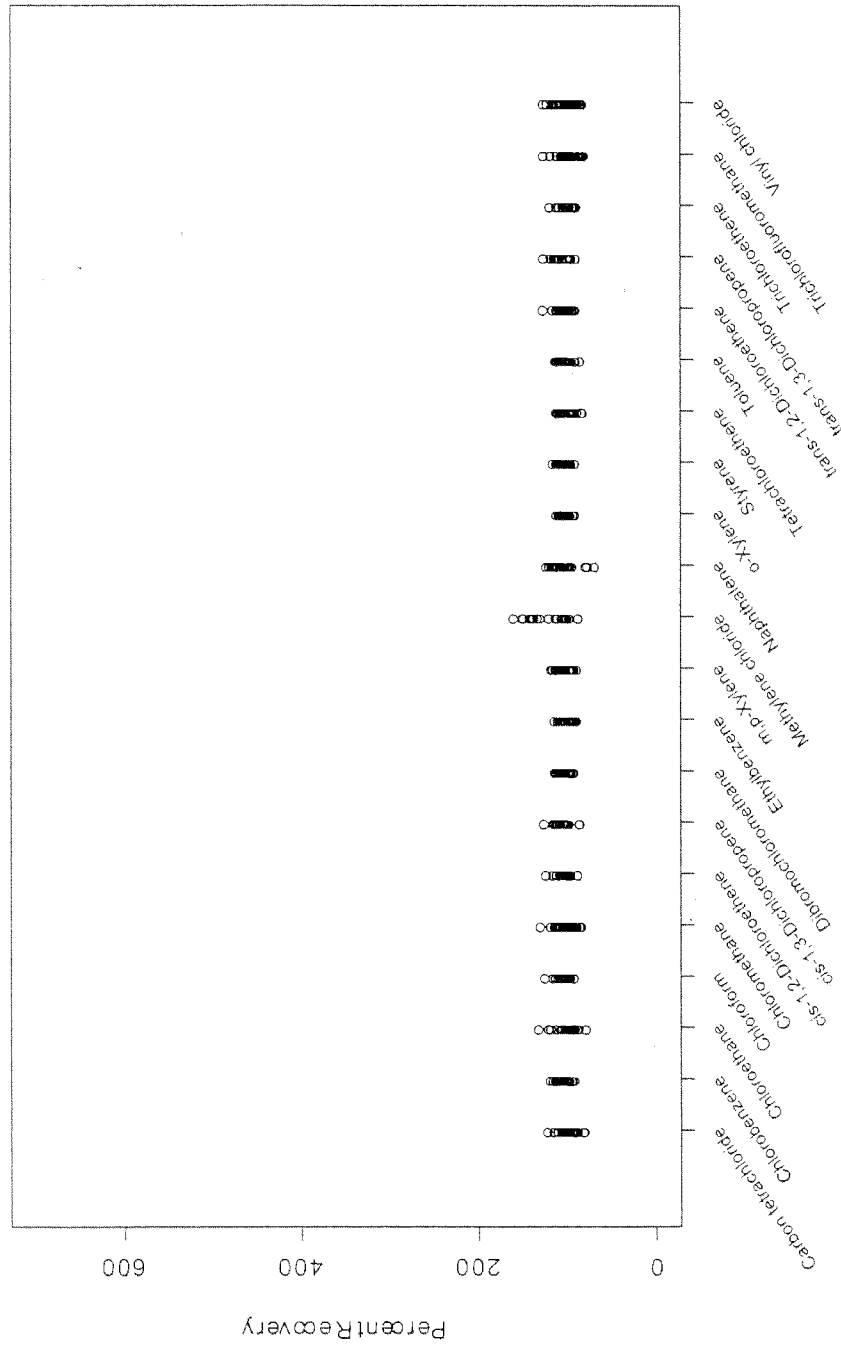
Q3HC02 Quarter LCS - Percent Recovery for 8260B

	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26			
N	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26			
Min	85.7	90	84.1	89.6	82.3	77.2	86.6	87.8	86.8	82.6	81.8	88.4	87	76.6	78.8	81.6	82.5	88.2	84.6	68.6	83.6
Median	102.5	104.5	105	99.9	97.9	98.6	96.4	97	97.6	100.4	94.8	97.4	108	109.5	108.5	113	95.9	100	98.9	92.4	97.2
Max	126	116	112	127	120	114	108	112	119	113	108	108	124	130	129	189	119	116	109	124	122



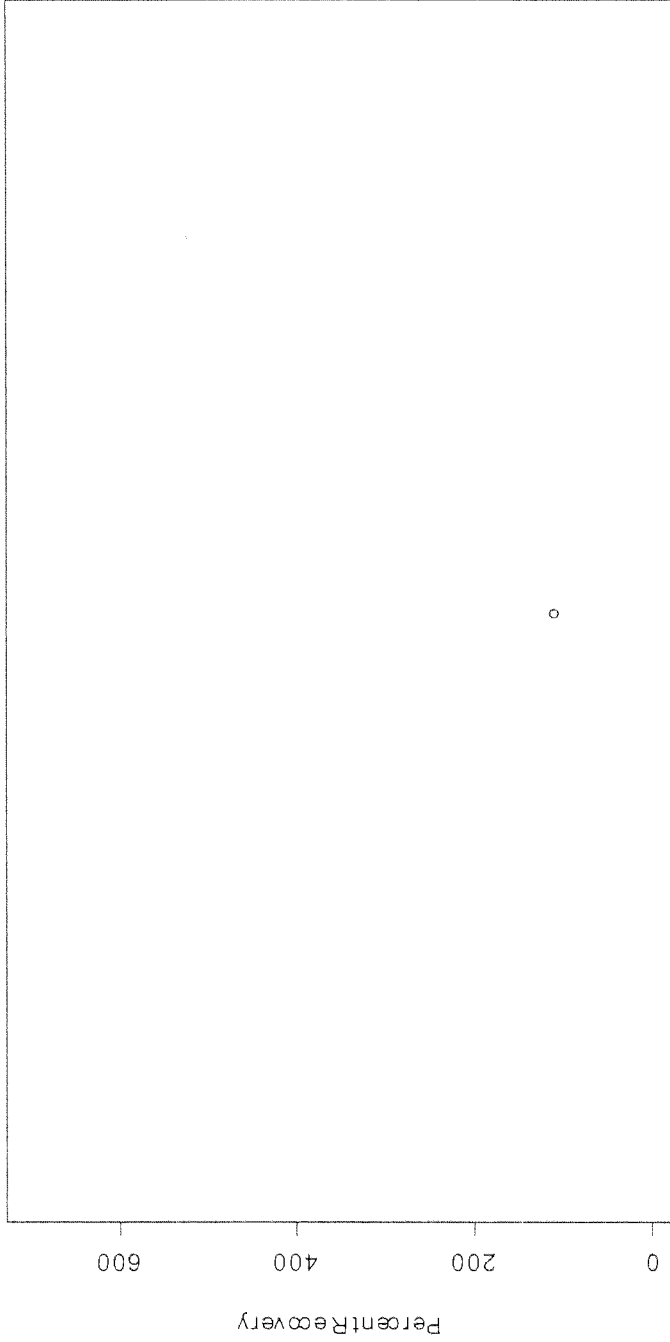
Q3HC02 Quarter LCS - Percent Recovery for 8260B (continued)

	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
N	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
Min	77.8	89.2	76.5	81.6	85.3	82.9	89.5	86.6	86.5	84.7	66.1	88.6	88.8	79.8	82.7	88.3	87.3
Median	97.5	102.5	97.2	100.2	98.1	99.2	101	105	96.5	103.5	109	102.5	99.5	103	99.6	99.3	98.4
Max	120	117	130	123	128	122	124	112	116	158	121	110	114	110	111	125	124



Q3HC02 Quarter LCS - Percent Recovery for Metals

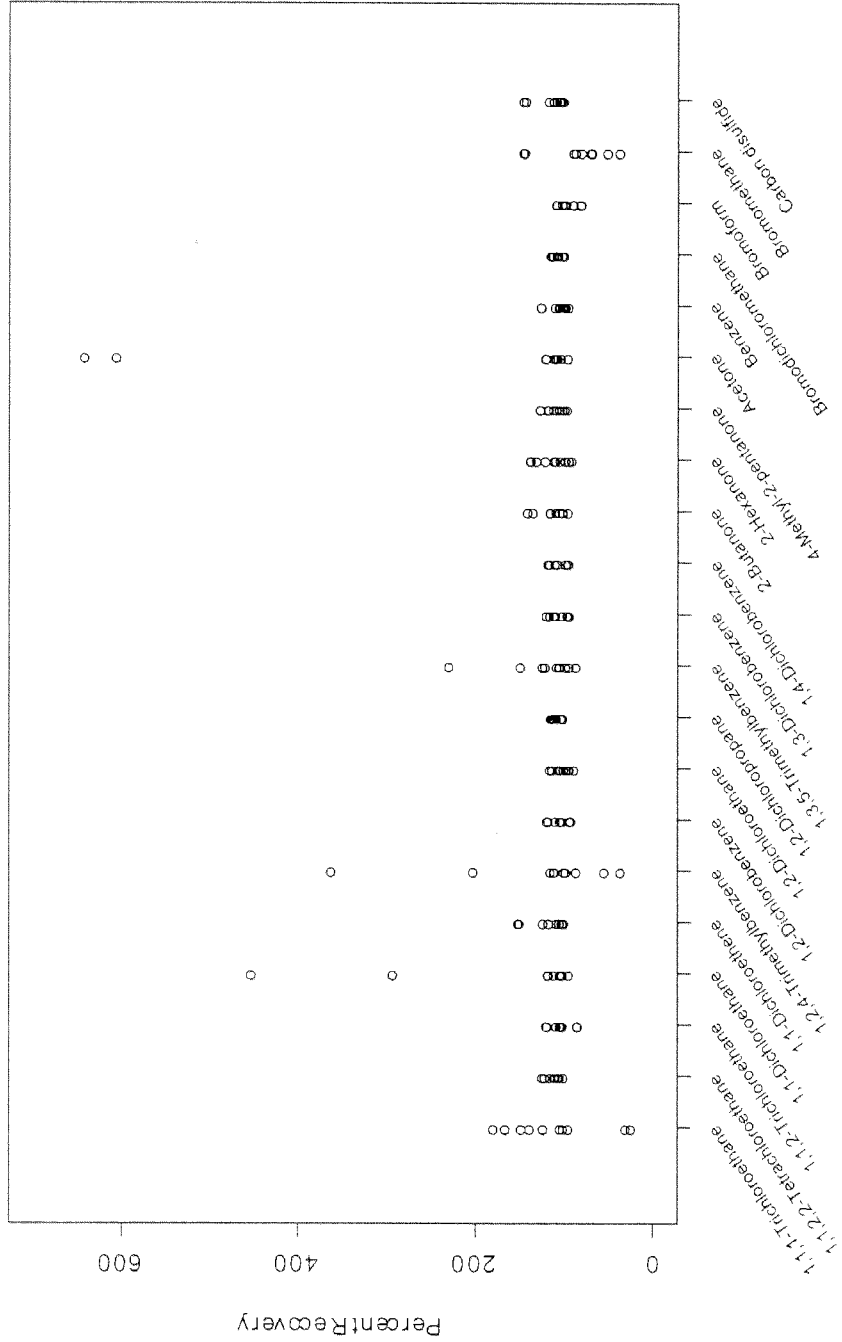
N	6
Min	107
Median	108
Max	108



Arsenic

### Q3HC02 Quarter Matrix Spike - Percent Recovery for 8260B

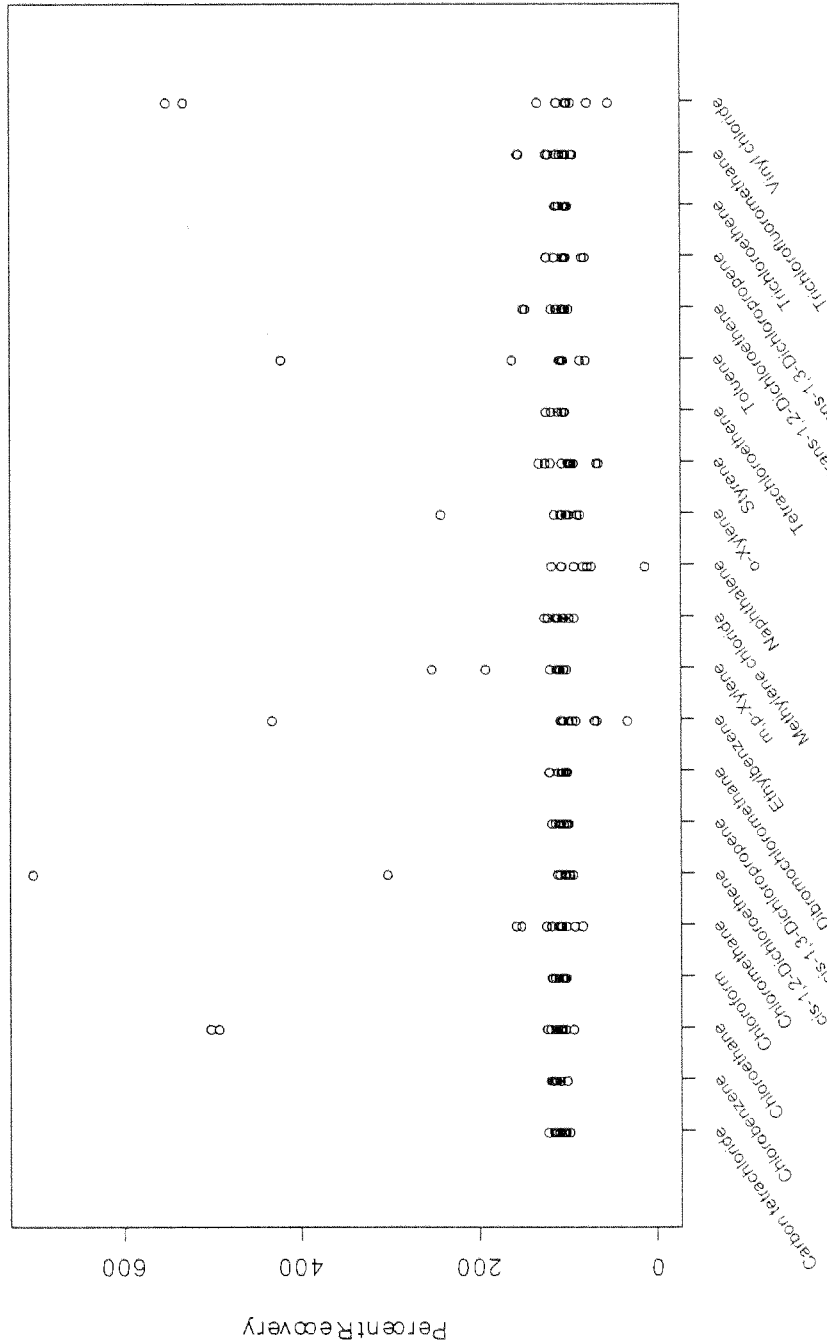
N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
Min	22	98	81.9	91.9	97.1	33.7	89.4	86.2	98.4	84.1	91.5	92	93	89.3	94	93	92.4	97.1	77.8	34.6	97.8
Median	111.5	110.5	104	105.5	106	102.8	102	99.6	107	104.5	103.5	106.5	107	108	108	108.5	103	104.5	97	72.8	104.5
Max	177	122	118	450	150	360	117	114	113	227	118	116	139	136	125	640	124	113	107	144	144





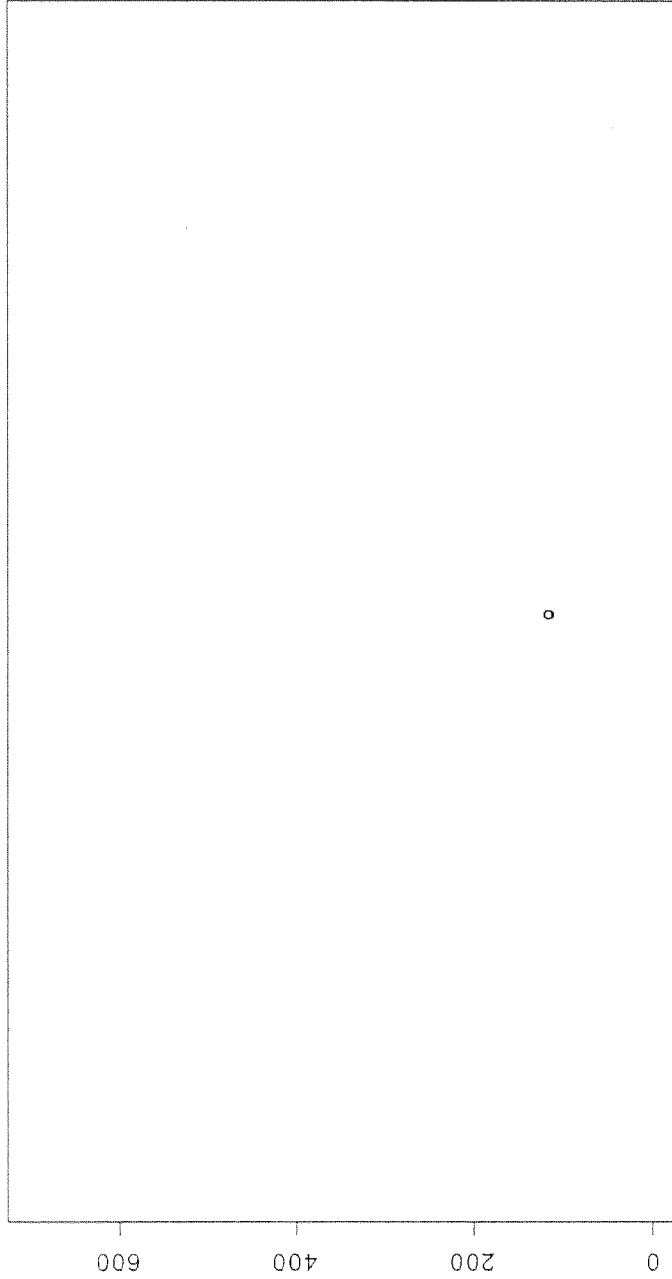
Q3HC02 Quarter Matrix Spike - Percent Recovery for 8260B (continued)

N	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10			
Min	96	97.8	91	98.5	80.8	91.3	96.1	97.6	30	98.5	90.2	10	83.7	62.1	100	76.8	96.5	77.6	96.9	91	51	
Median	108.5	111.5	110.5	106	107	100	105.5	101.5	94.4	107.5	108	97.2	101.8	96.8	102.5	103.5	106.5	103.5	102	108	104.3	
Max	120	117	500	116	156	700	116	119	430	250	124	116	240	130	122	420	148	122	112	154	550	



Q3HC02 Quarter Matrix Spike - Percent Recovery for Metals

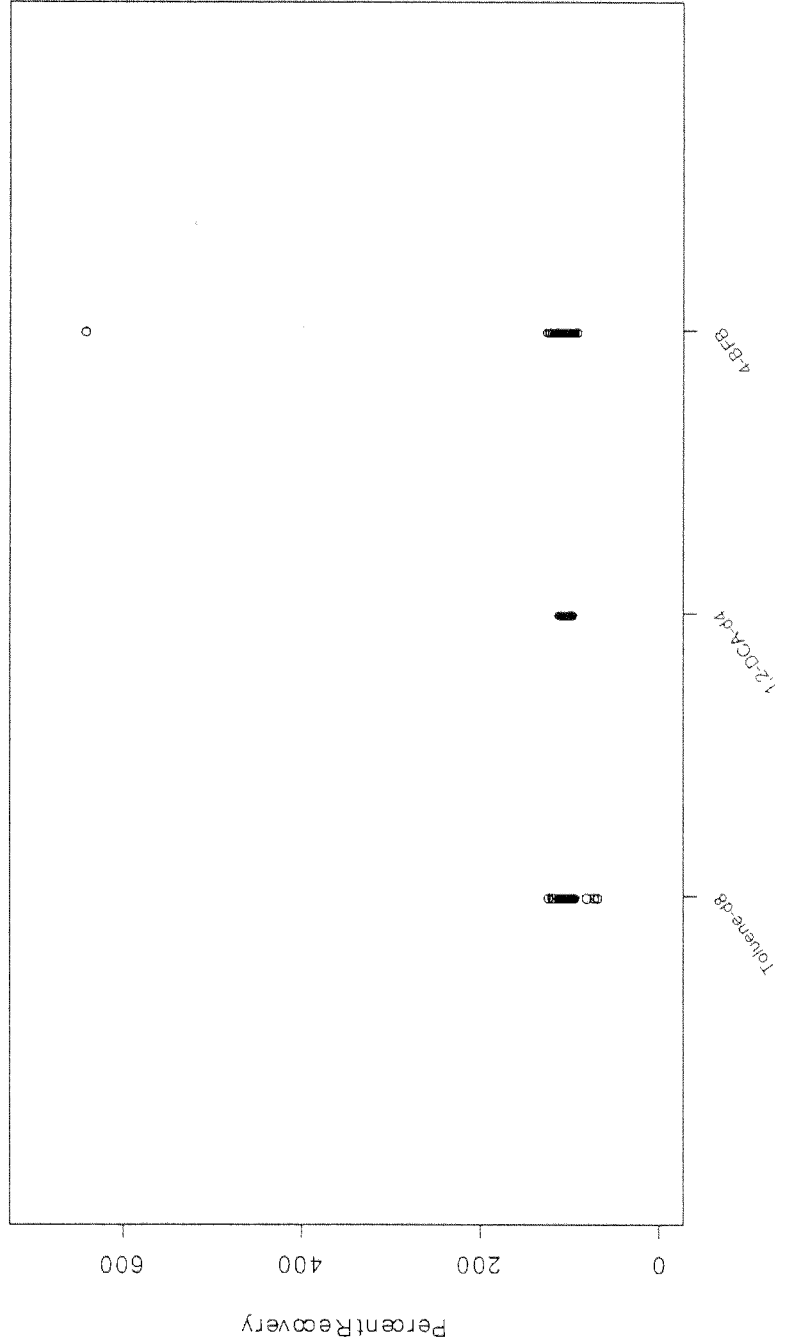
N  
6  
Min  
112  
Median  
113.5  
Max  
114



Arsenic

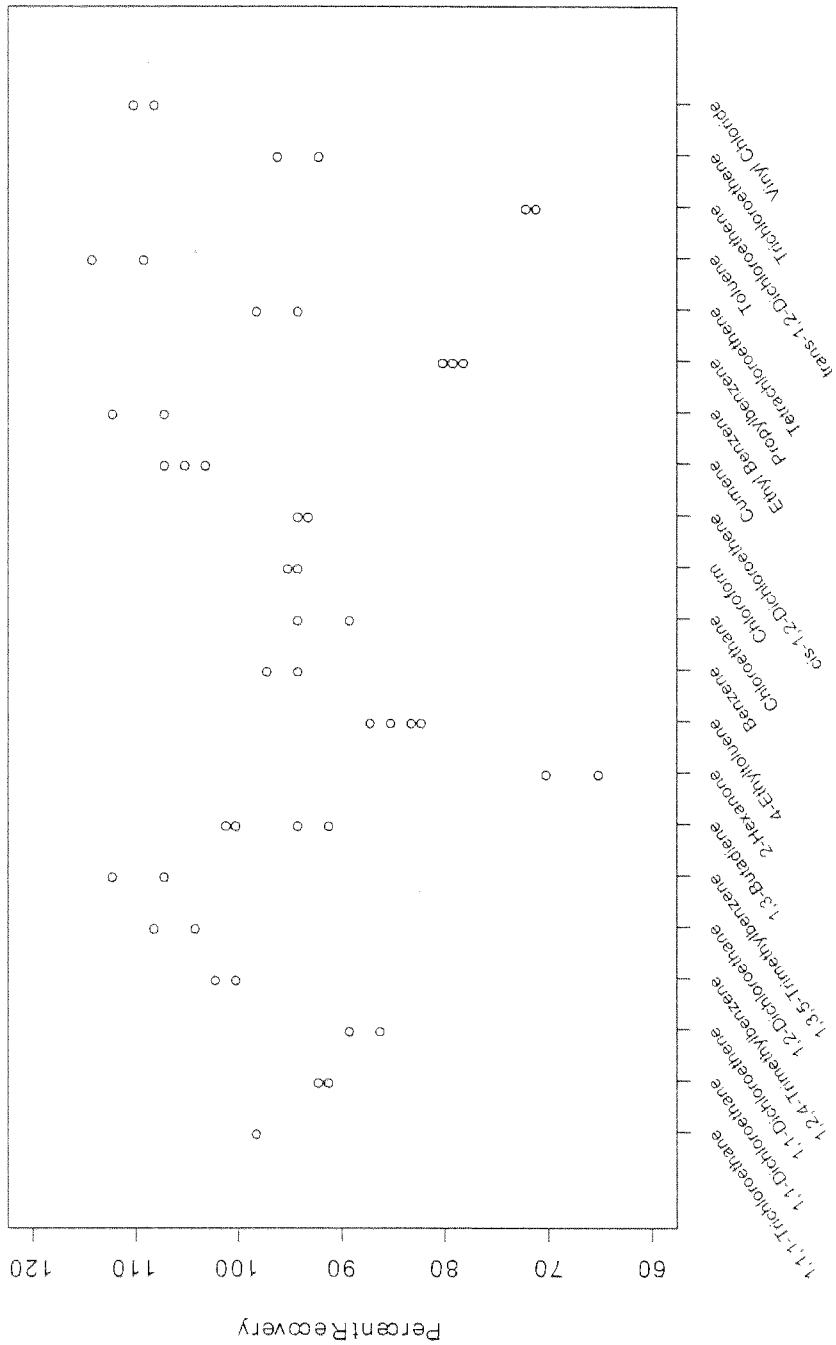
Q3HC02 Quarter Surrogates - Percent Recovery for 8260B

	128	128	128
N	128	128	128
Min	64.5	87.5	87.5
Median	99	100.5	98.8
Max	120	108	640



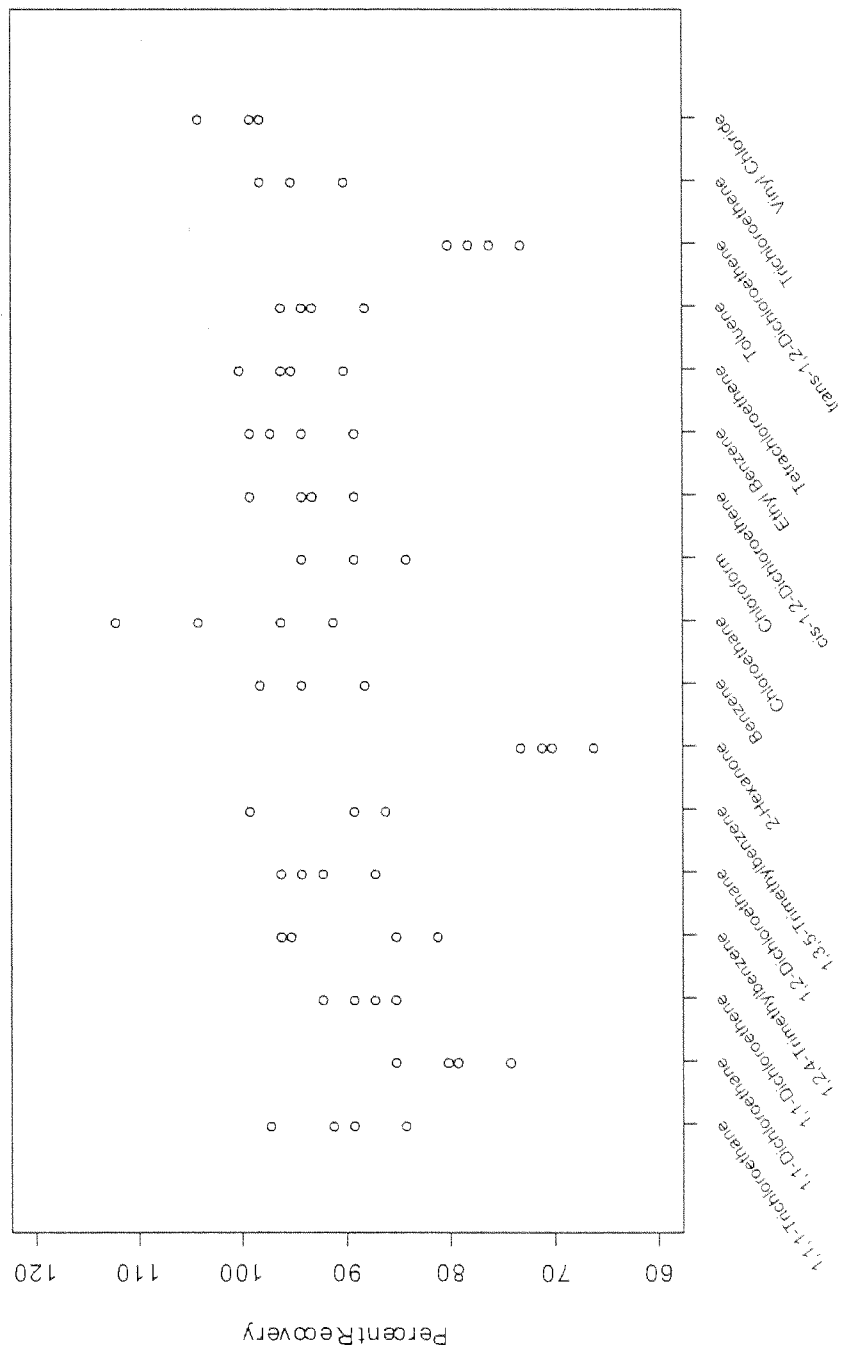
2003AA Quarter LCS - Percent Recovery for VOC

N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Min	98	91	86	100	104	107	91	65	82	94	89	94	93	103	107	112	109.5	79	80
Median	98	91.5	87.5	101	106	109.5	97	67.5	84	95.5	91.5	94.5	93.5	105	109.5	114	111.5	71.5	72
Max	98	92	89	102	108	112	101	70	87	97	94	95	94	107	112	114	109.5	94	96



2003AA Quarter LCS - Percent Recovery for VOC-SIM

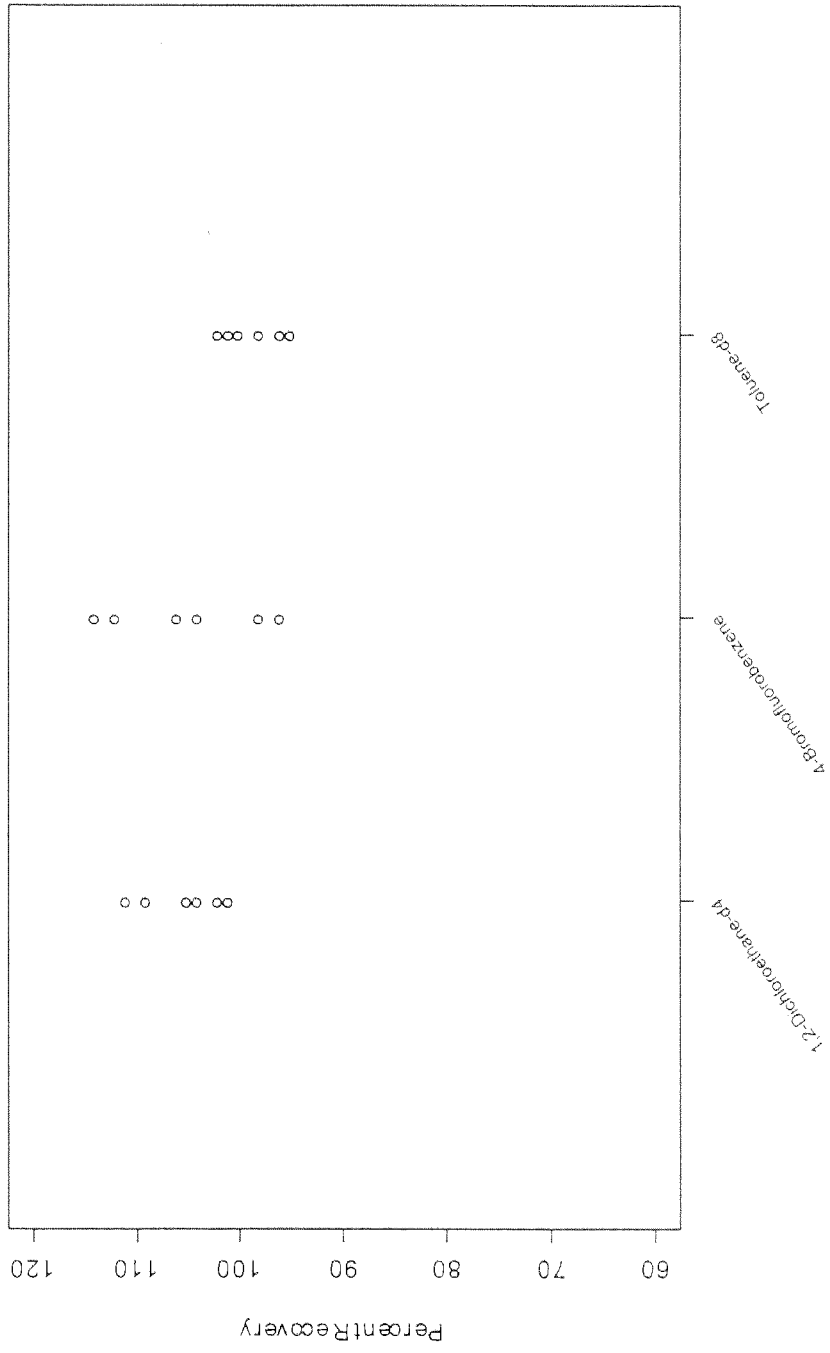
Stat	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Min	84	74	85	81	87	86	66	88	88	91	84	89	89	89	89	88	73	90
Median	90	79.5	88	90	93	94	70.5	94	100	89	93.5	95.5	95.5	95.5	93.5	77	95	98.5
Max	97	85	92	96	96	99	73	98	112	94	99	99	100	100	96	80	98	104



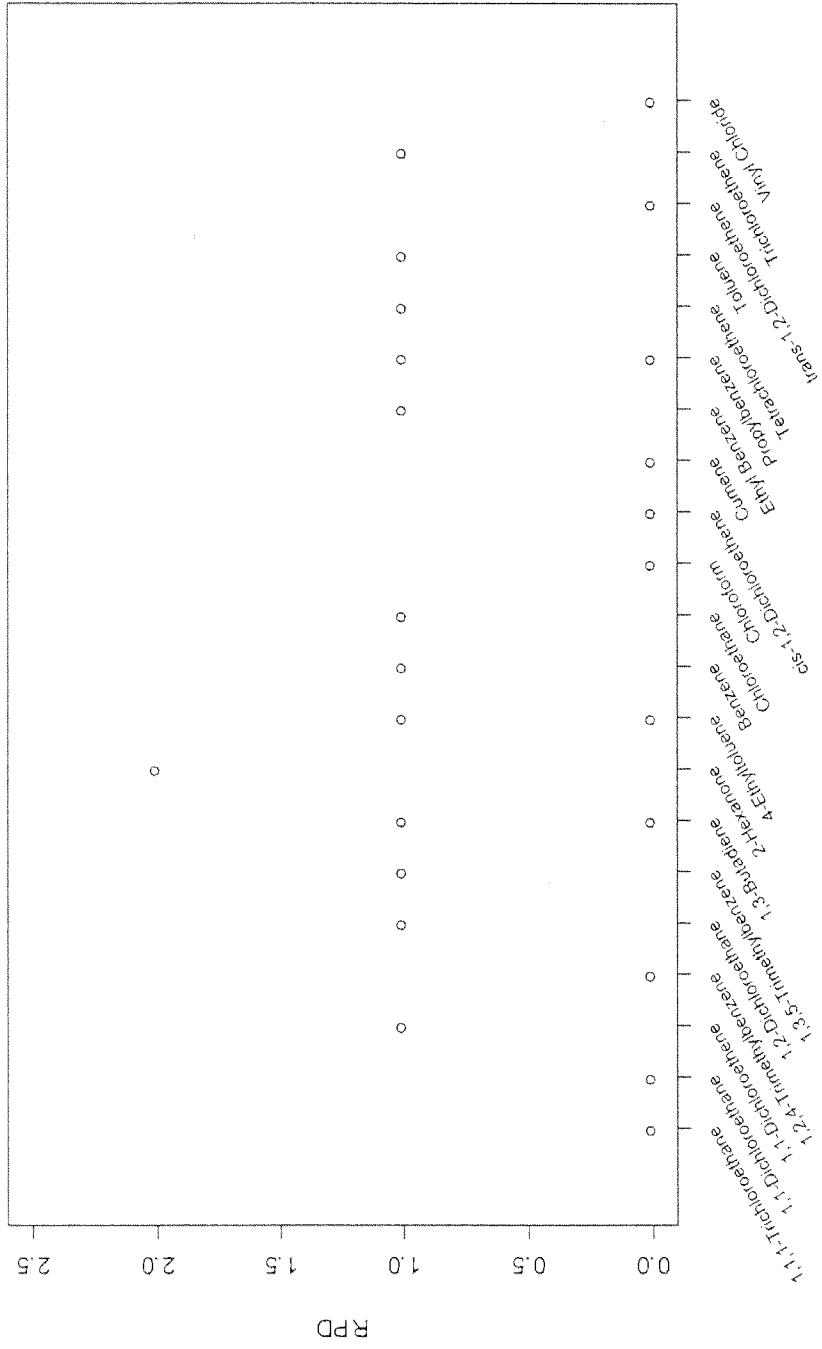


### 2003AA Quarter Surrogates - Percent Recovery for VOC-SIM

	N	Min	Median	Max
1,2-Dichloroethane-d4	8	101	103	111
4-Bromofluorobenzene	8	96	105	114
Toluene-d8	8	95	100.5	102

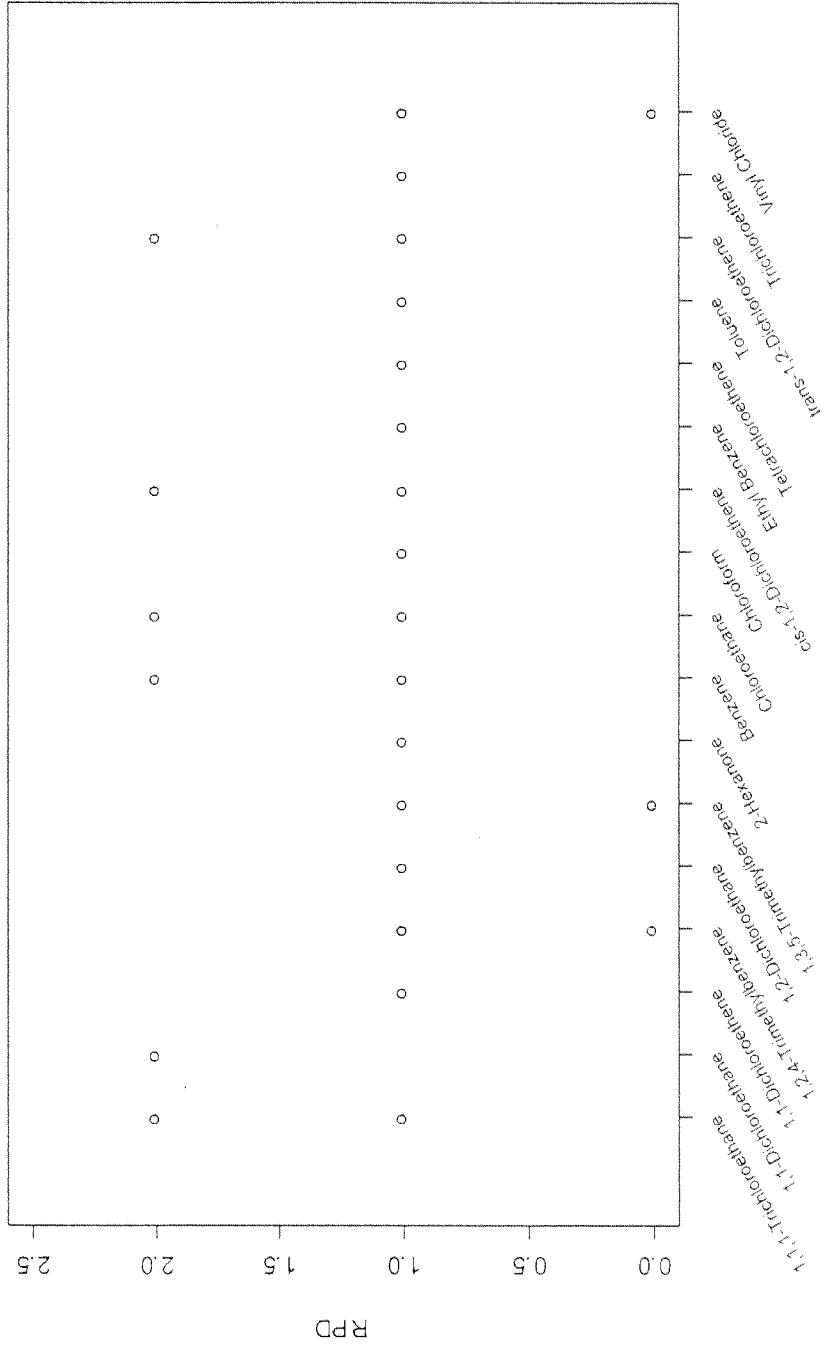


2003AA Quarter LCS - Relative Percent Difference for VOC

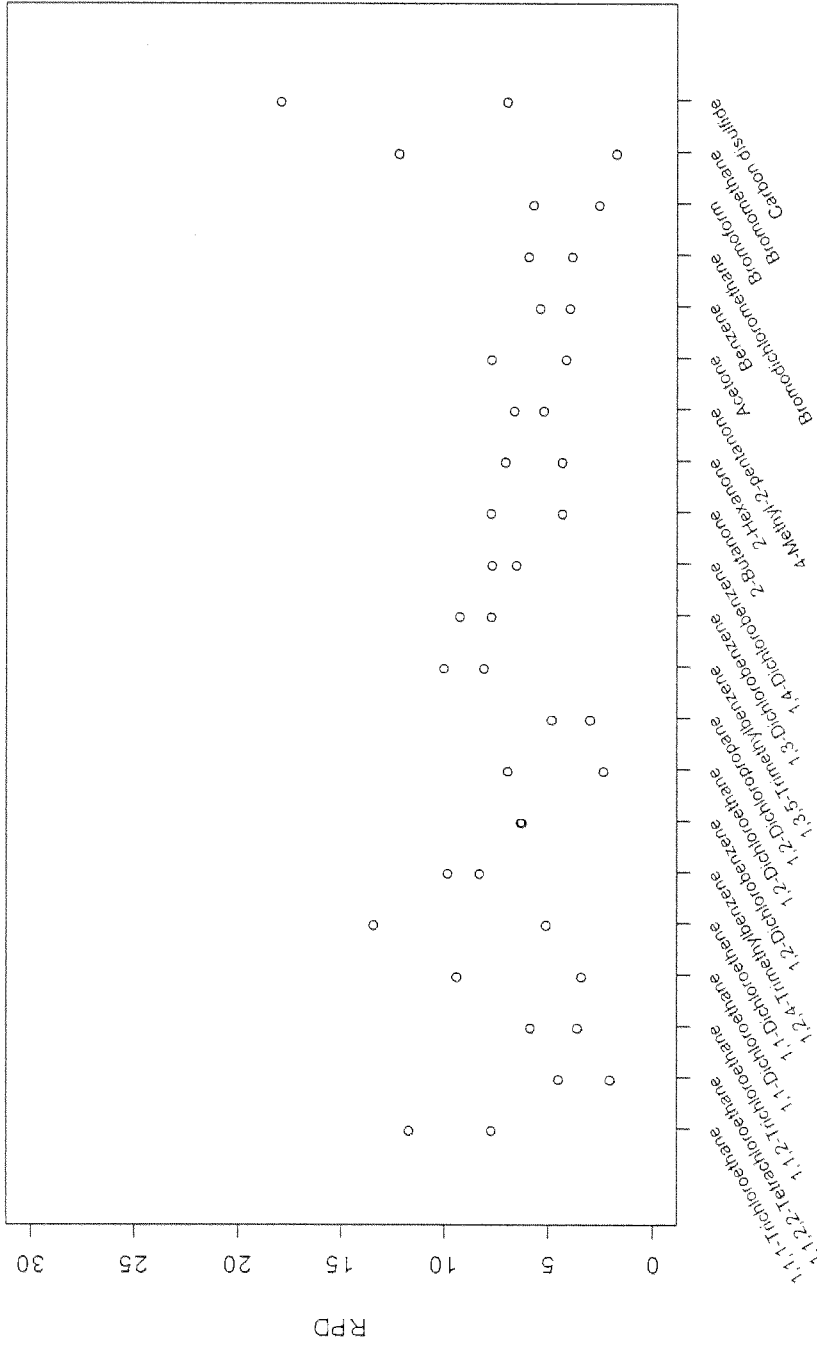




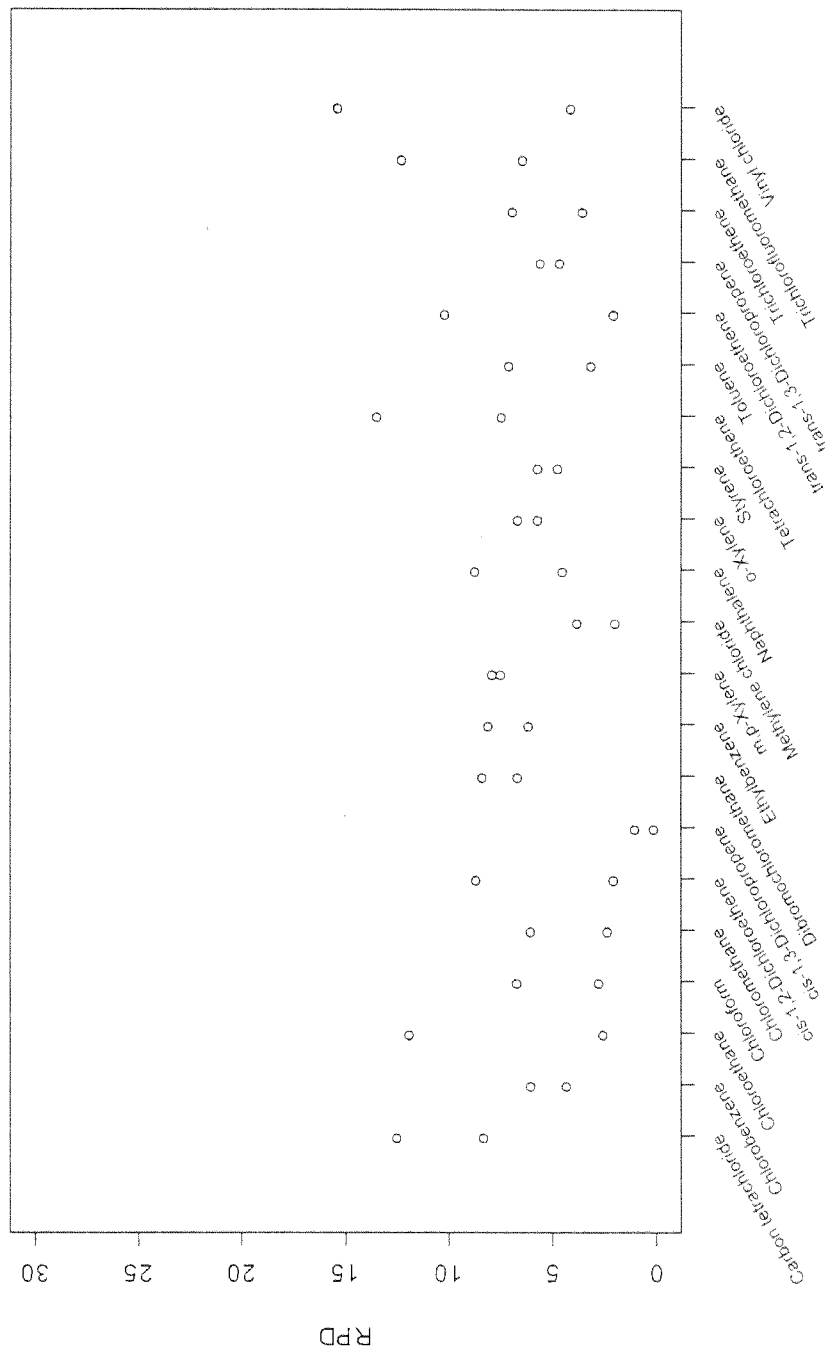
2003AA Quarter LCS - Relative Percent Difference for VOC-SIM



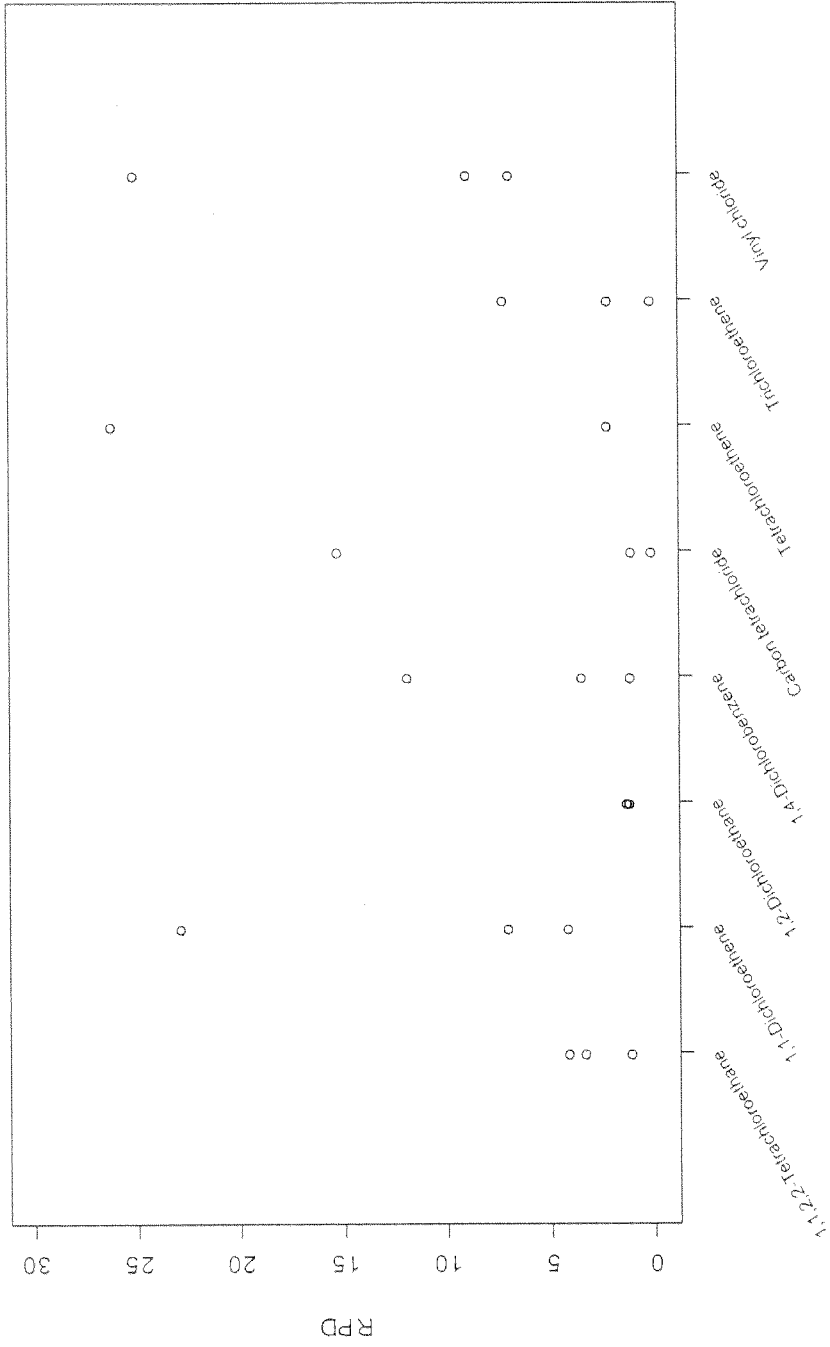
2003TMX Quarter LCS - Relative Percent Difference for VOC



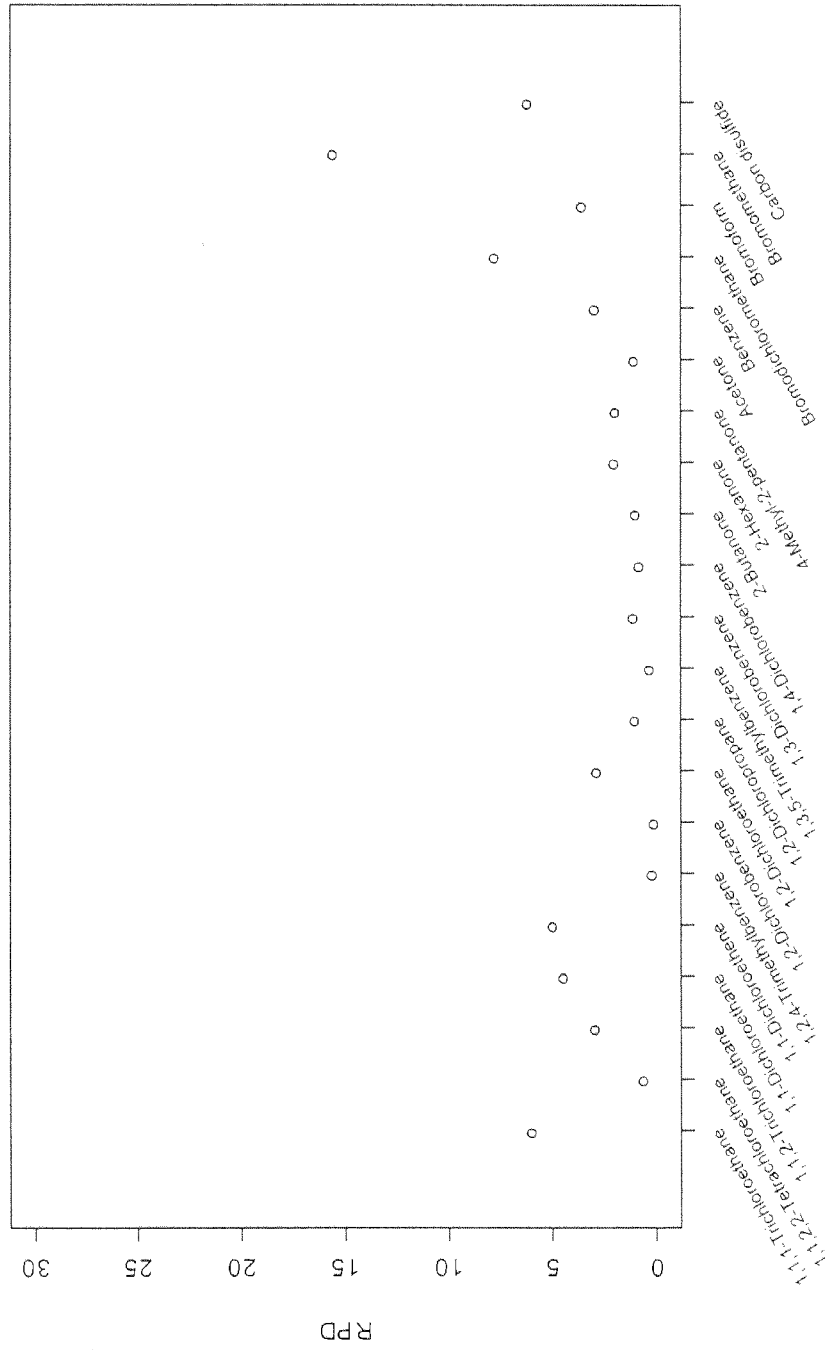
2003TMX Quarter LCS - Relative Percent Difference for VOC (continued)



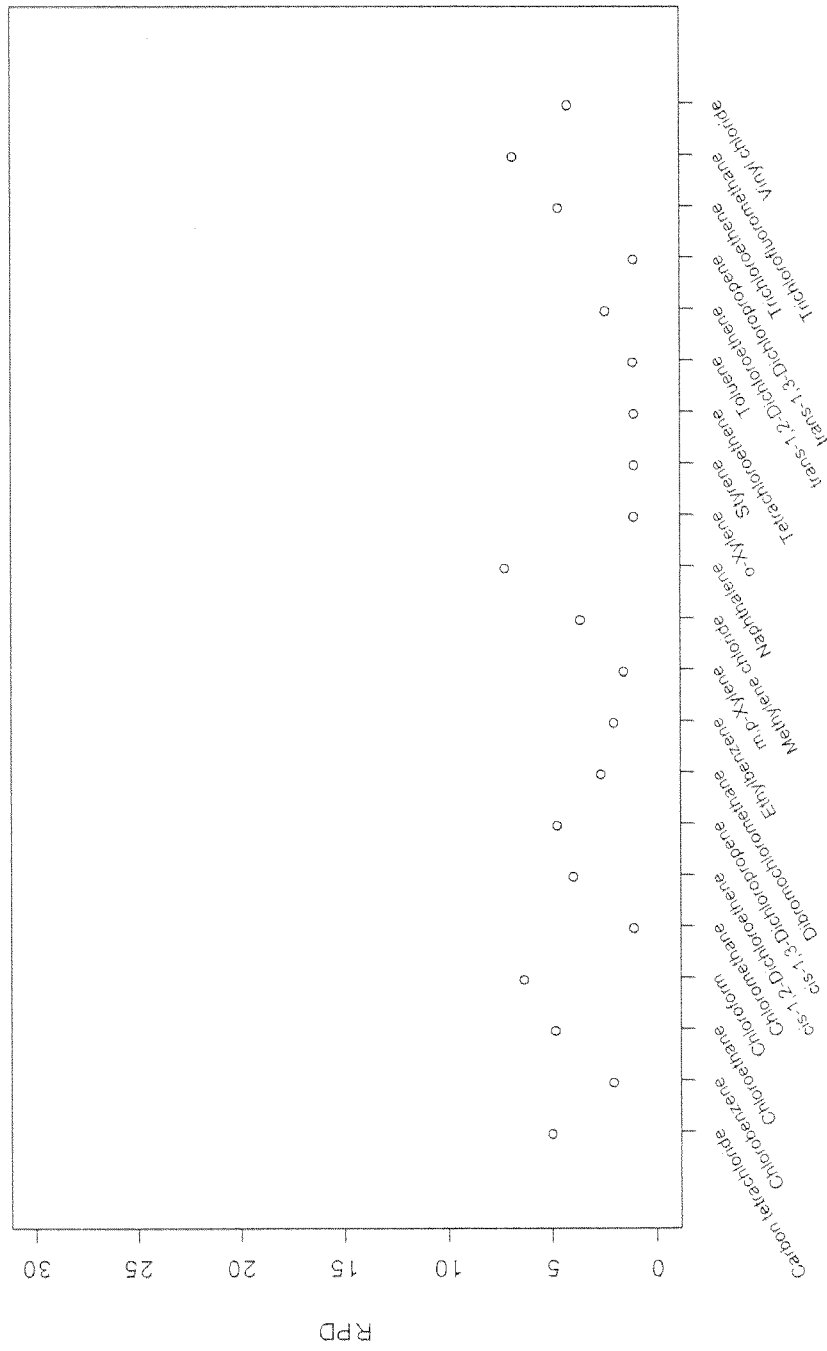
2003TMX Quarter LCS - Relative Percent Difference for VOC-SIM



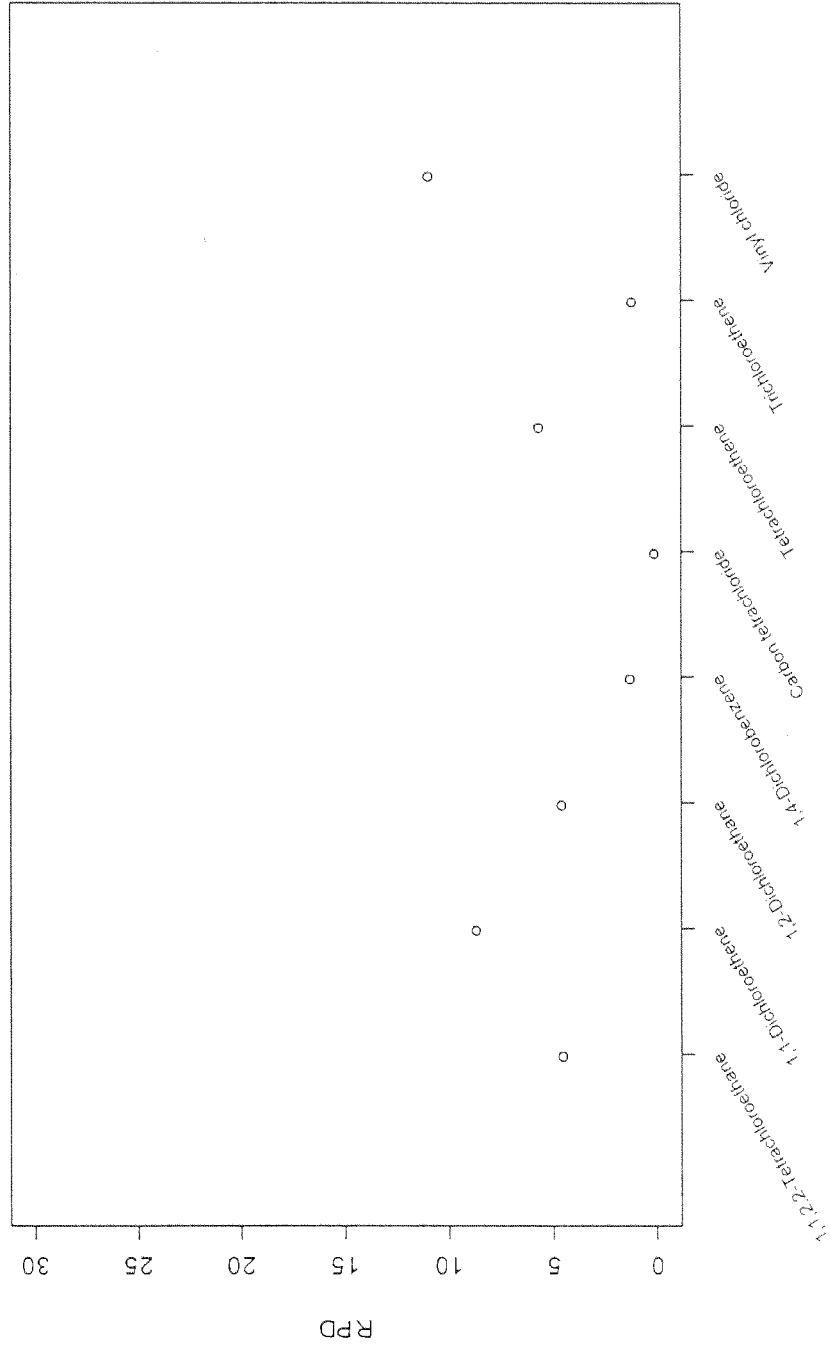
2003TMX Quarter Matrix Spike - Relative Percent Difference for VOC



2003TMX Quarter Matrix Spike - Relative Percent Difference for VOC (continued)

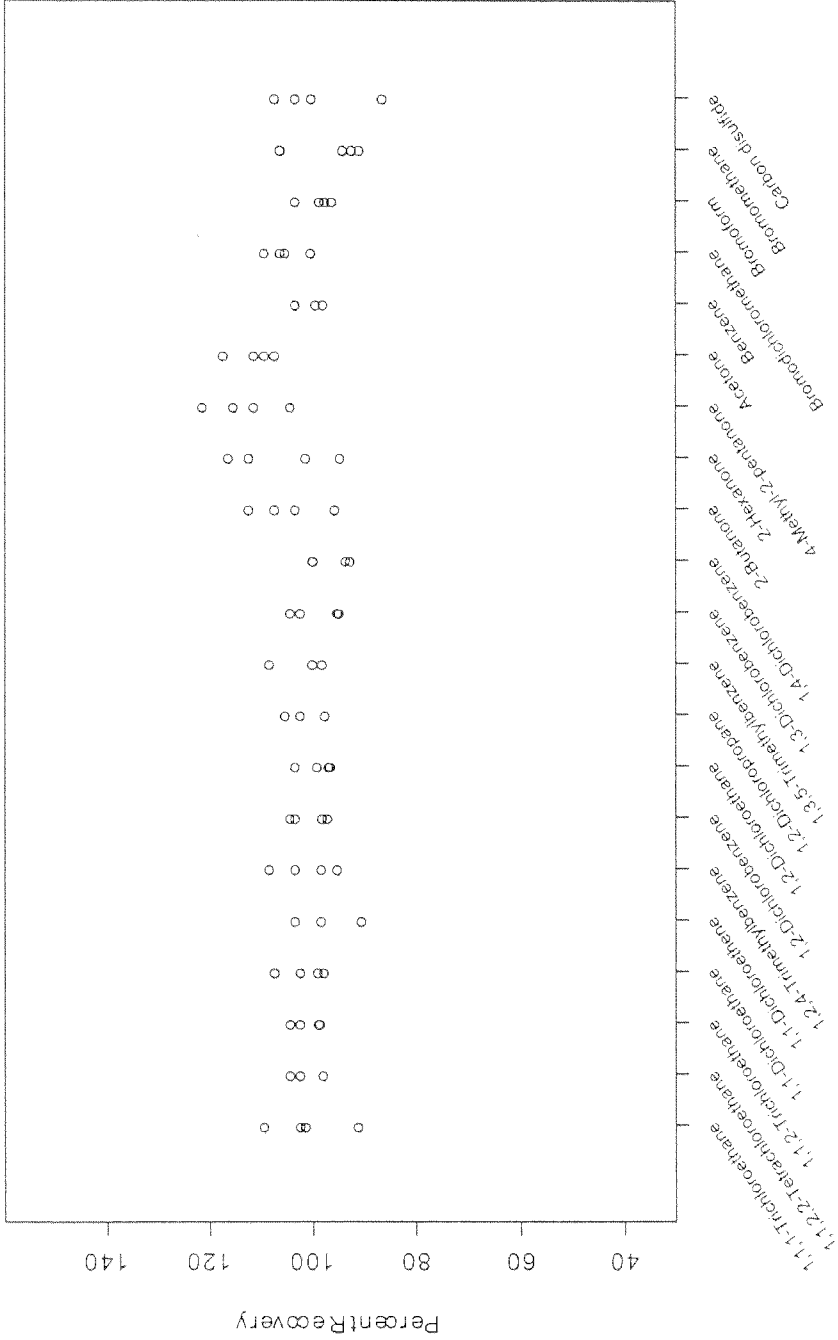


2003TX Quarter Matrix Spike - Relative Percent Difference for VOC-SIM



2003TMX Quarter LCS - Percent Recovery for VOC

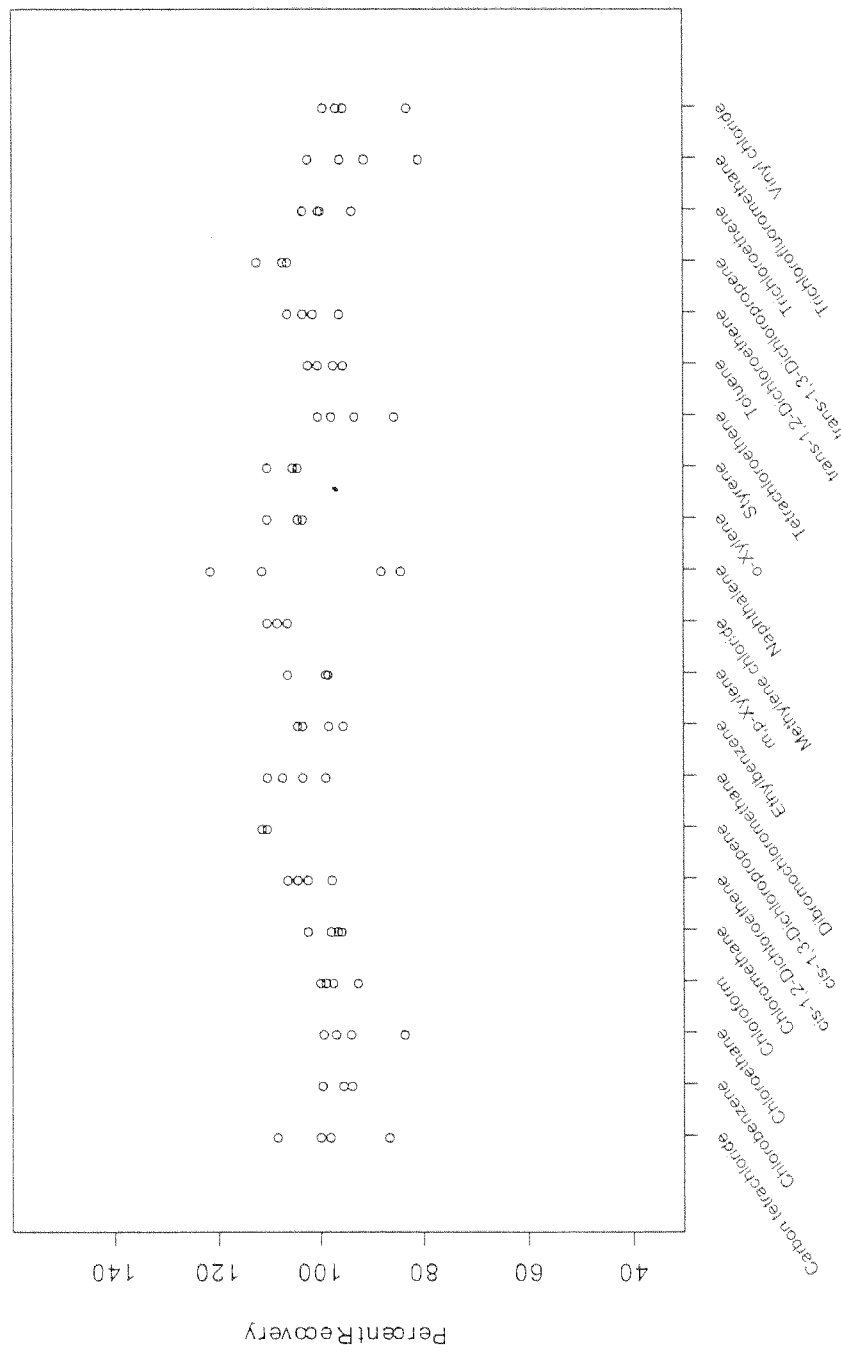
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4				
Min	90.8	97.6	98.2	97.5	90.2	94.9	96.8	96.2	97.3	97.8	94.5	92.4	95.4	94.4	104	107	97.7	100	96	90.6	86.2
Median	101.5	102	100.2	100.4	100.5	100.5	100.4	97.7	102	103.8	98.4	96.4	105	106.5	113	110	101	105.5	97.9	93	101.4
Max	109	104	104	107	103	108	104	103	105	108	104	99.7	112	116	121	117	103	109	103	106	107





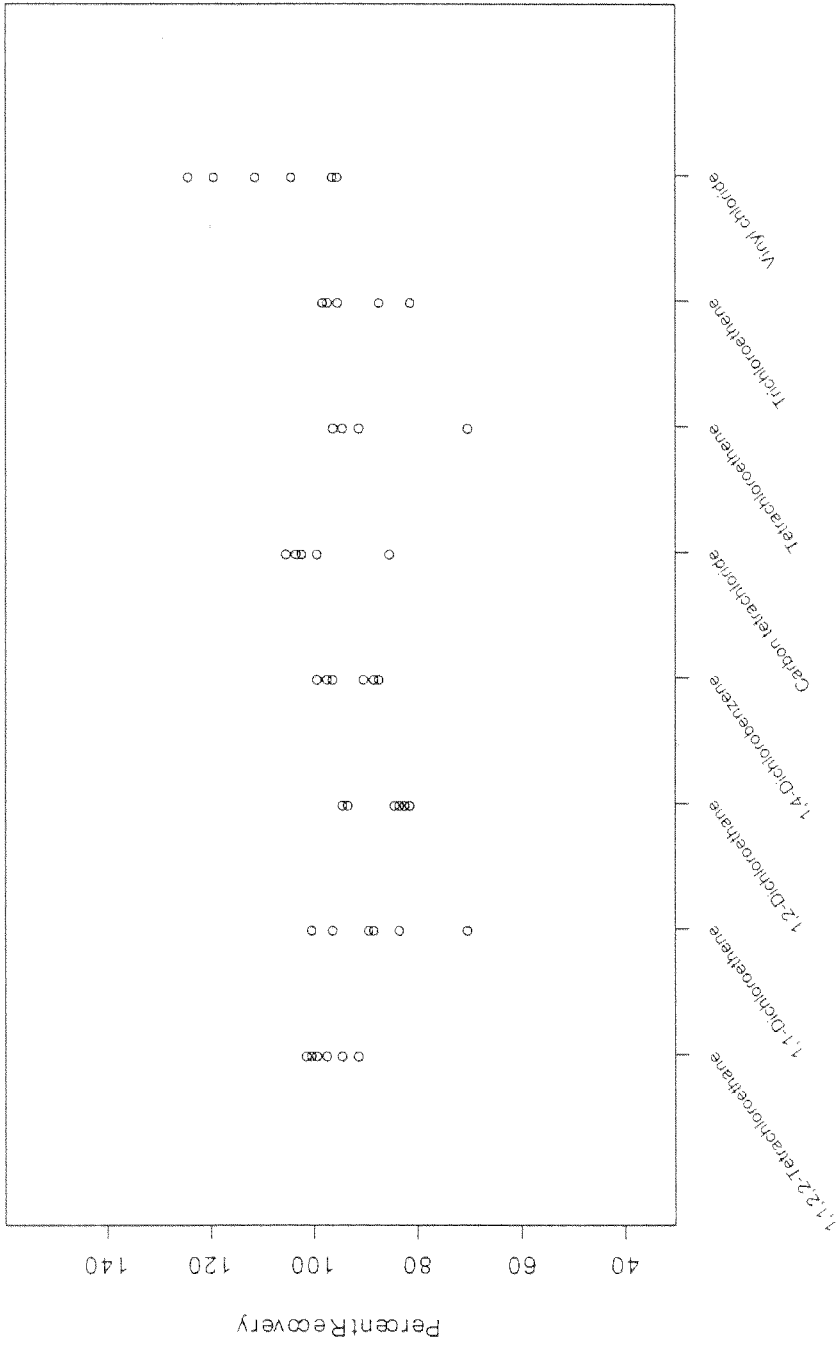
2003T MX Quarter LCS - Percent Recovery for VOC (continued)

	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
N	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
Min	86.2	93.4	83.2	92.2	95.4	97.3	110	98.5	95.1	98	106	83.9	103	104	85.2	95.1	95.8	106	93.4	80.5	82.7
Median	98.6	97.1	95	97.8	96.8	103	110	105	100.4	102.2	107	99.4	107	107.5	95.2	98.5	102	109.5	99.8	93.4	95.8
Max	108	99.2	98.9	99.6	102	106	111	110	104	106	110	121	110	110	100	102	106	112	103	102	99



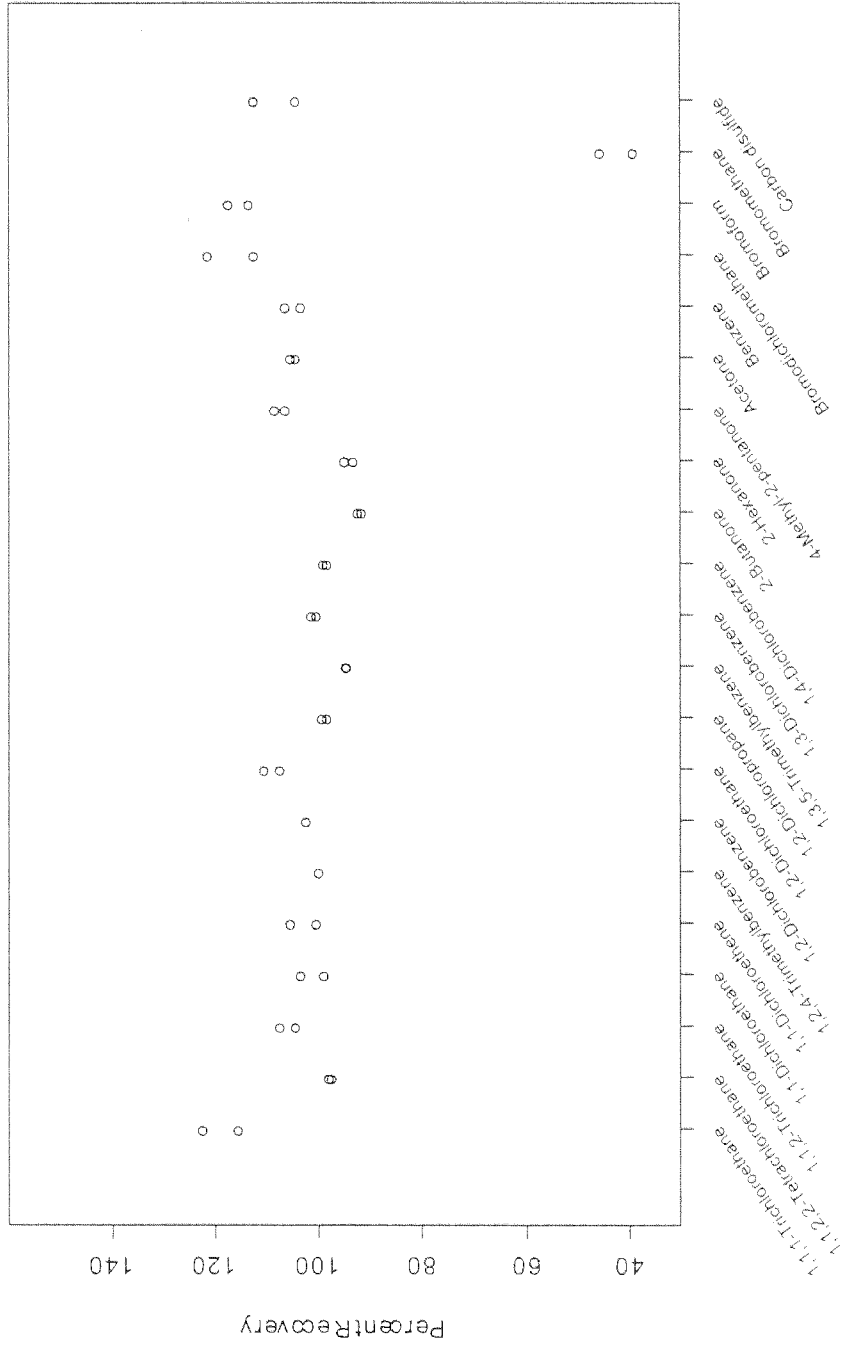
2003TMX Quarter LCS - Percent Recovery for VOC-SIM

	1,1-Dichloroethene	1,2-Dichloroethane	1,4-Dichlorobenzene	Carbon tetrachloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
N	6	6	6	6	6	6	6
Min	91	70	81	85	70	81	95.1
Median	98	88.5	83.5	93	102.5	96	107.5
Max	101	100	94	99	105	98	124



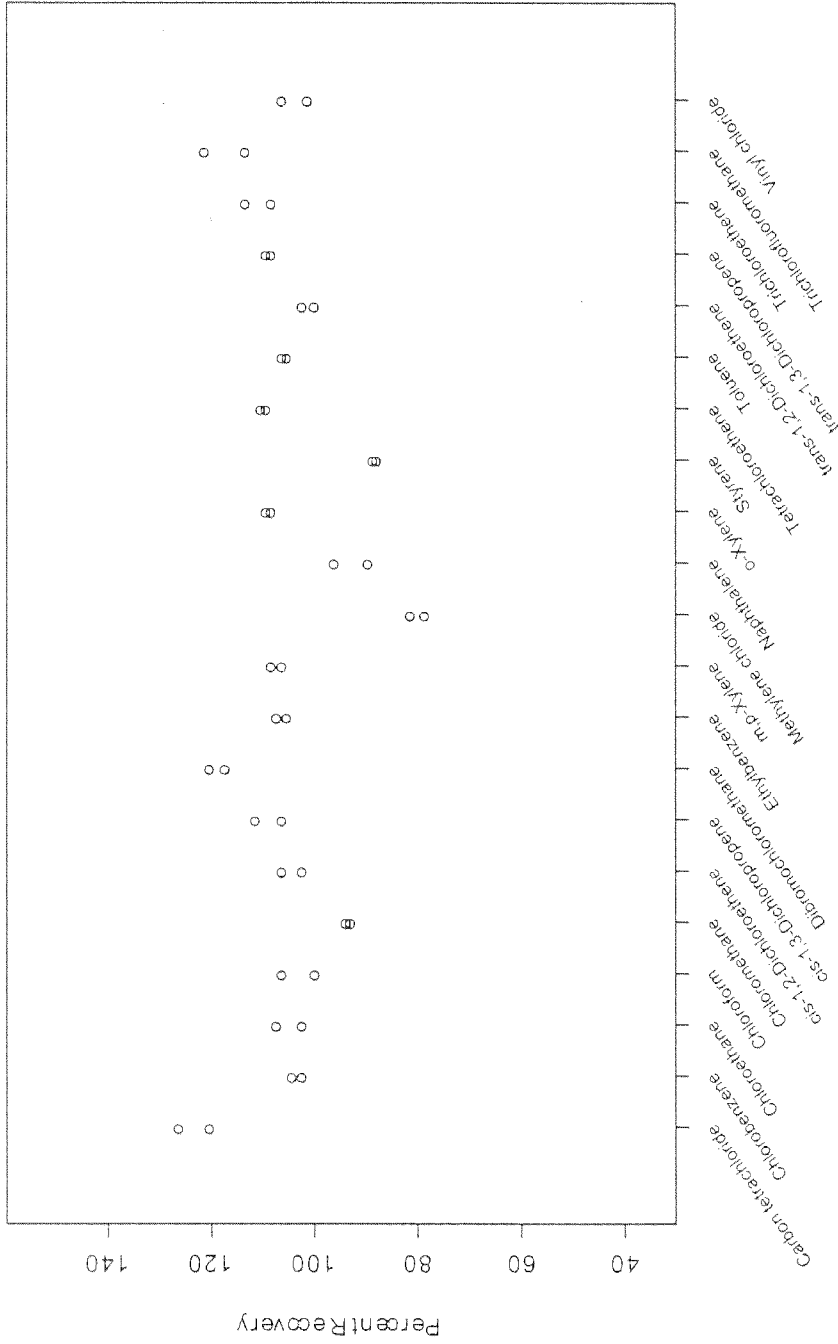
2003TMX Quarter Matrix Spike - Percent Recovery for VOC

N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
Min	115	97.1	104	98.6	100	99.5	102	107	98	94.1	100	98	91.2	92.8	106	104	103	112	113	38.8	104
Median	118.5	97.4	105.5	100.8	102.5	99.6	102	108.5	98.4	94.2	100.5	98.4	91.6	93.7	107	104.5	104.5	116.5	115	42	108
Max	122	97.6	107	103	105	99.6	102	110	98.9	94.3	101	98.7	92	94.6	108	105	106	121	117	45.3	112



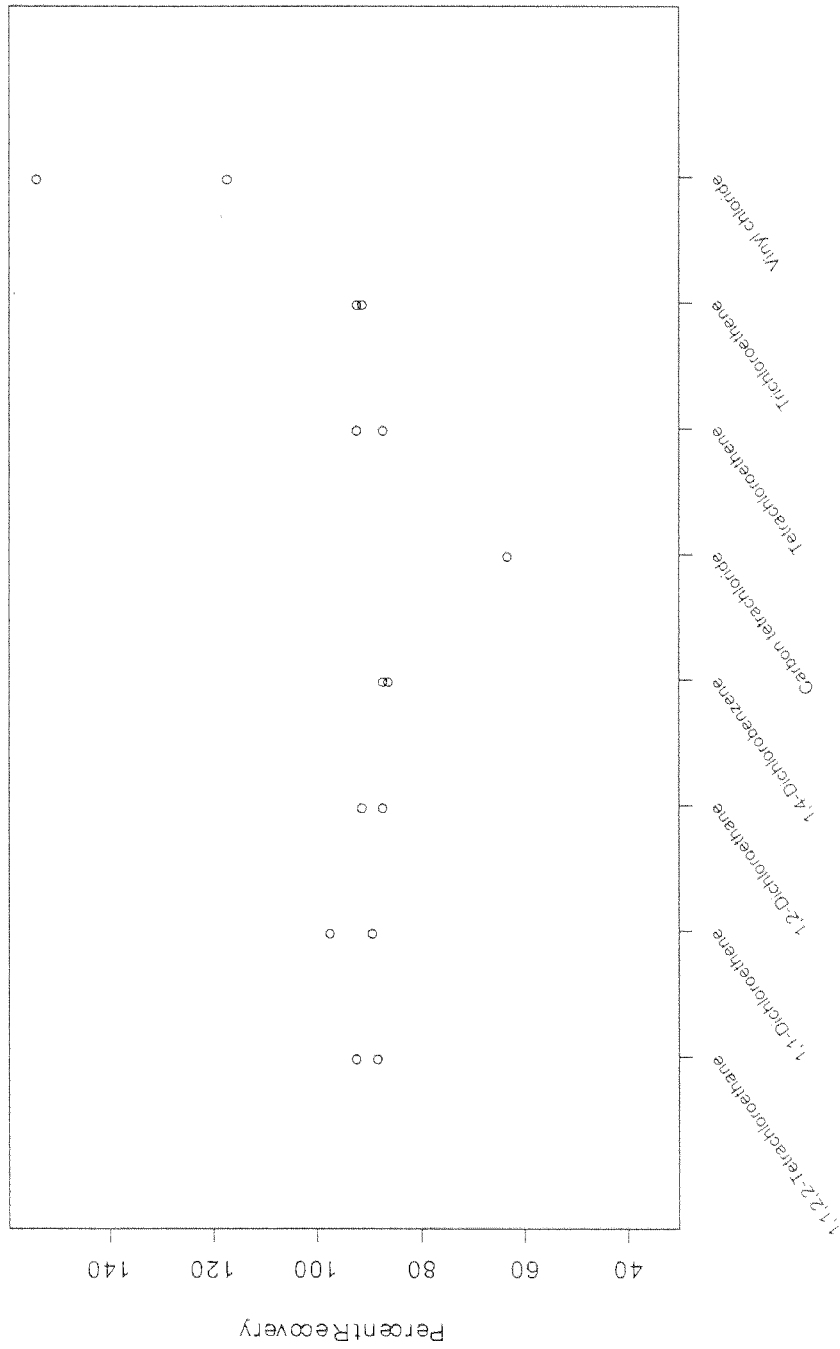
2003TMX Quarter Matrix Spike - Percent Recovery for VOC (continued)

N	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
Min	120	102	99.6	92.7	102	106	117	105	106	78.3	89.3	108	87.6	109	105	99.7	108	113	101		
Median	123	103	104.5	102.8	93.2	104	108.5	118.5	106	107	79.7	92.6	108.5	88	109.5	105.5	100.8	108.5	110.5	103.5	
Max	126	104	107	106	93.6	106	111	120	107	108	81.1	95.9	109	88.4	110	106	102	109	113	121	106



2003TMX Quarter Matrix Spike - Percent Recovery for VOC-SIM

	2	2	2	2	2	2	2
N	2	2	2	2	2	2	2
Min	88	89	87	86	87	87	91
Median	90	93	89	86.5	89.5	91.5	135.5
Max	92	97	91	87	92	92	154



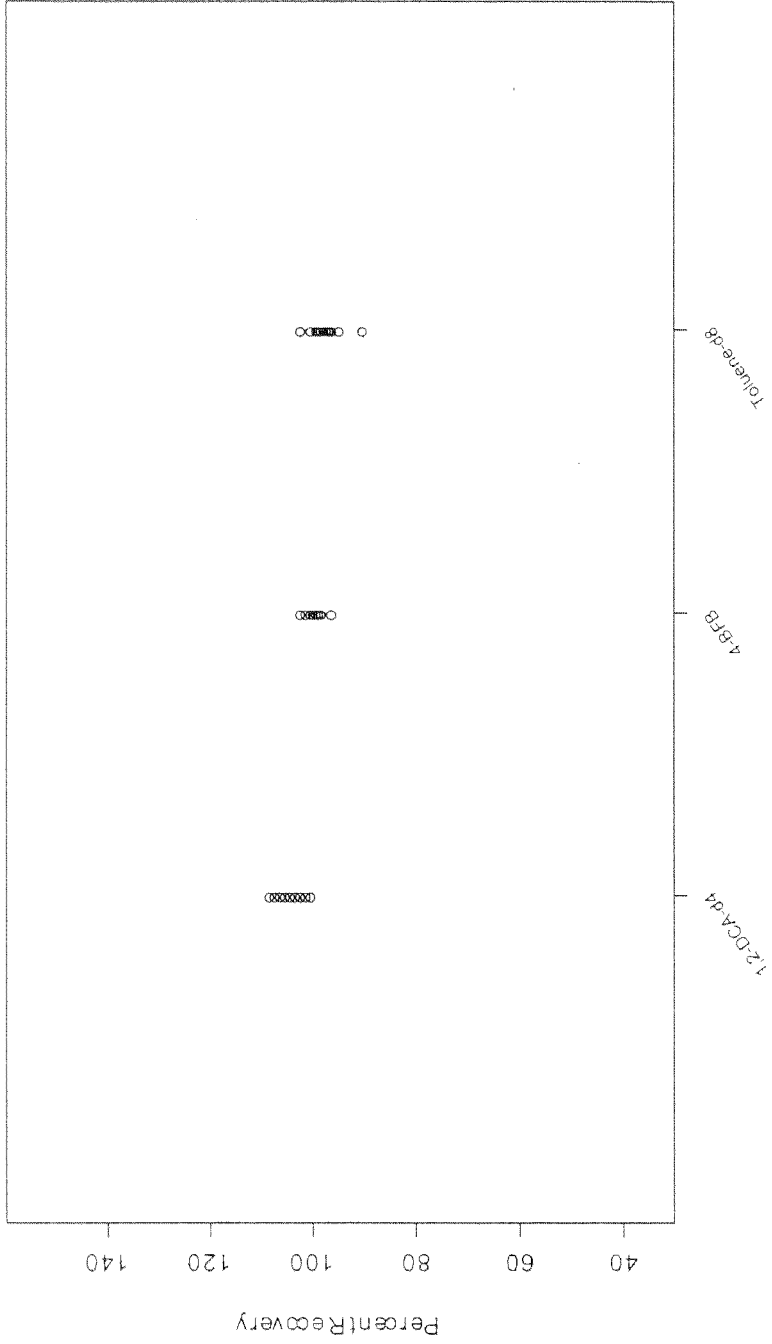
2003TMX Quarter Surrogates - Percent Recovery for VOC

N 29  
Min 90  
Median 98  
Max 102

N 29  
Min 96  
Median 99.5  
Max 102

N 29  
Min 100  
Median 103  
Max 108

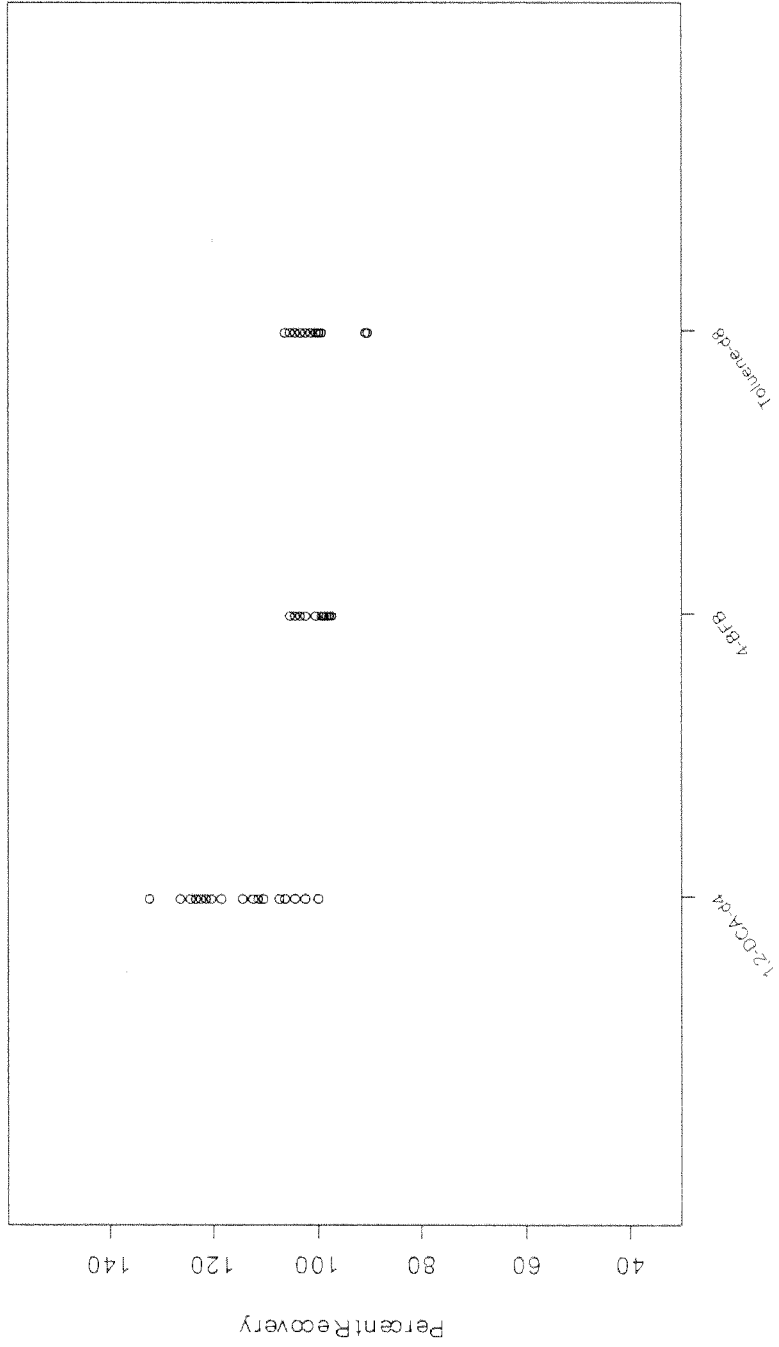
N 29  
Min 100  
Median 103  
Max 108



2003TMX Quarter Surrogates - Percent Recovery for VOC-SIM

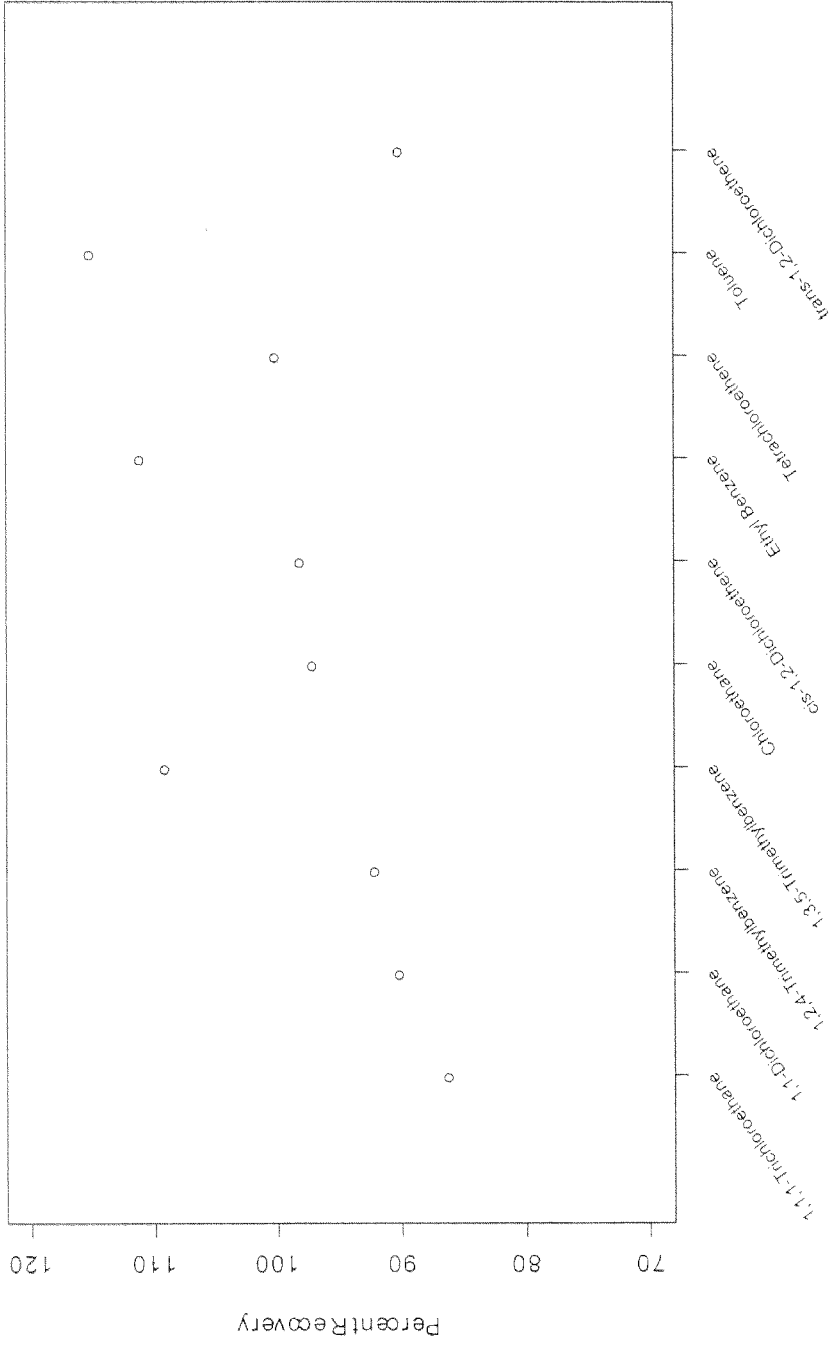
N 29  
Min 99.5  
Median 120  
Max 132

29 97  
90 102  
106 105



DEC02AA Quarter LCS - Percent Recovery for Organics

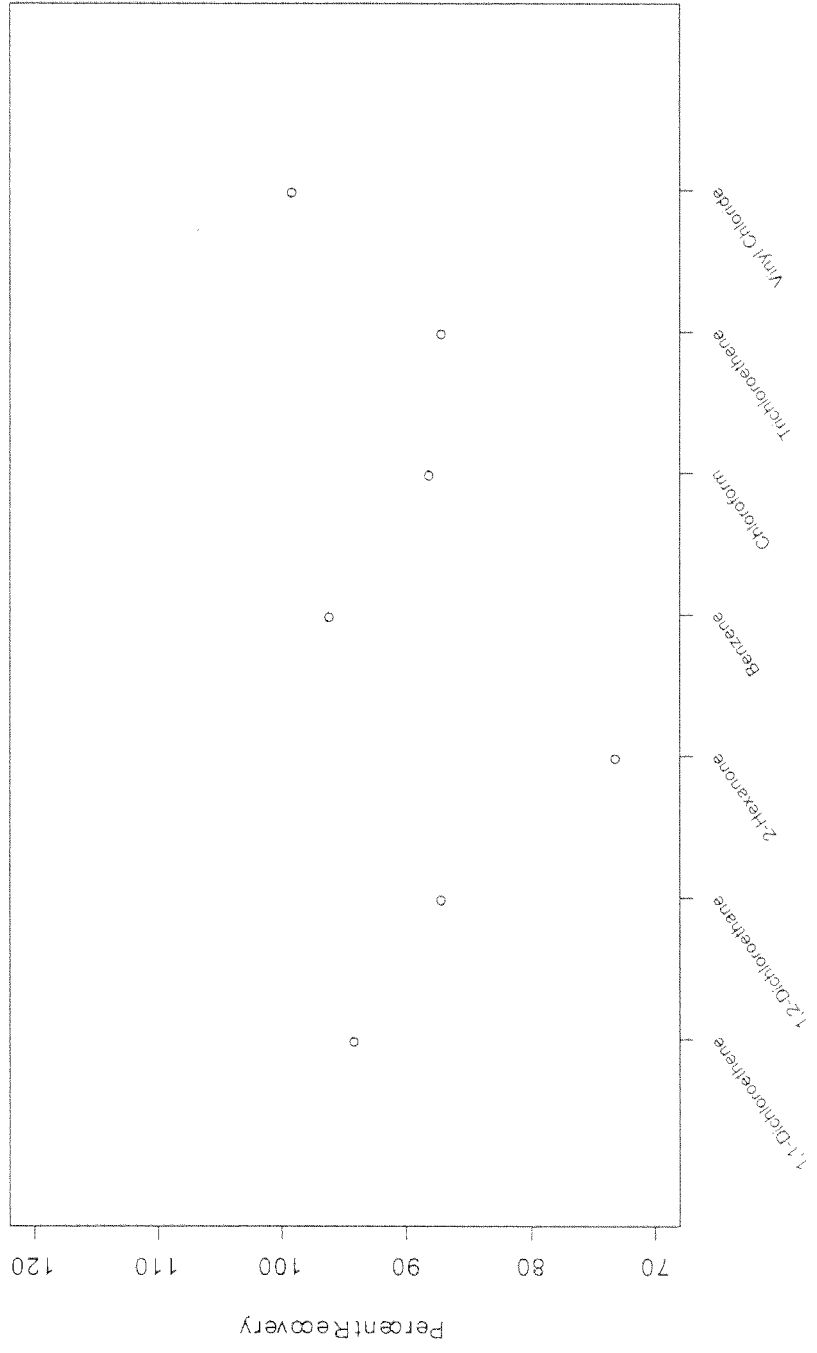
N	1	1	1	1	1	1	1	1	1
Min	86	90	92	109	97	98	111	100	90
Median	86	90	92	109	97	98	111	100	90
Max	86	90	92	109	97	98	111	100	90





DEC02AA Quarter LCS - Percent Recovery for Organics-SIM

Statistic	1,1-Dichloroethene	1,2-Dichloroethane	2-Hexanone	Benzene	Chloroform	Trichloroethene	Vinyl Chloride
N	1	1	1	1	1	1	1
Min	94	87	73	96	88	87	99
Median	94	87	73	96	88	87	99
Max	94	87	73	96	88	87	99



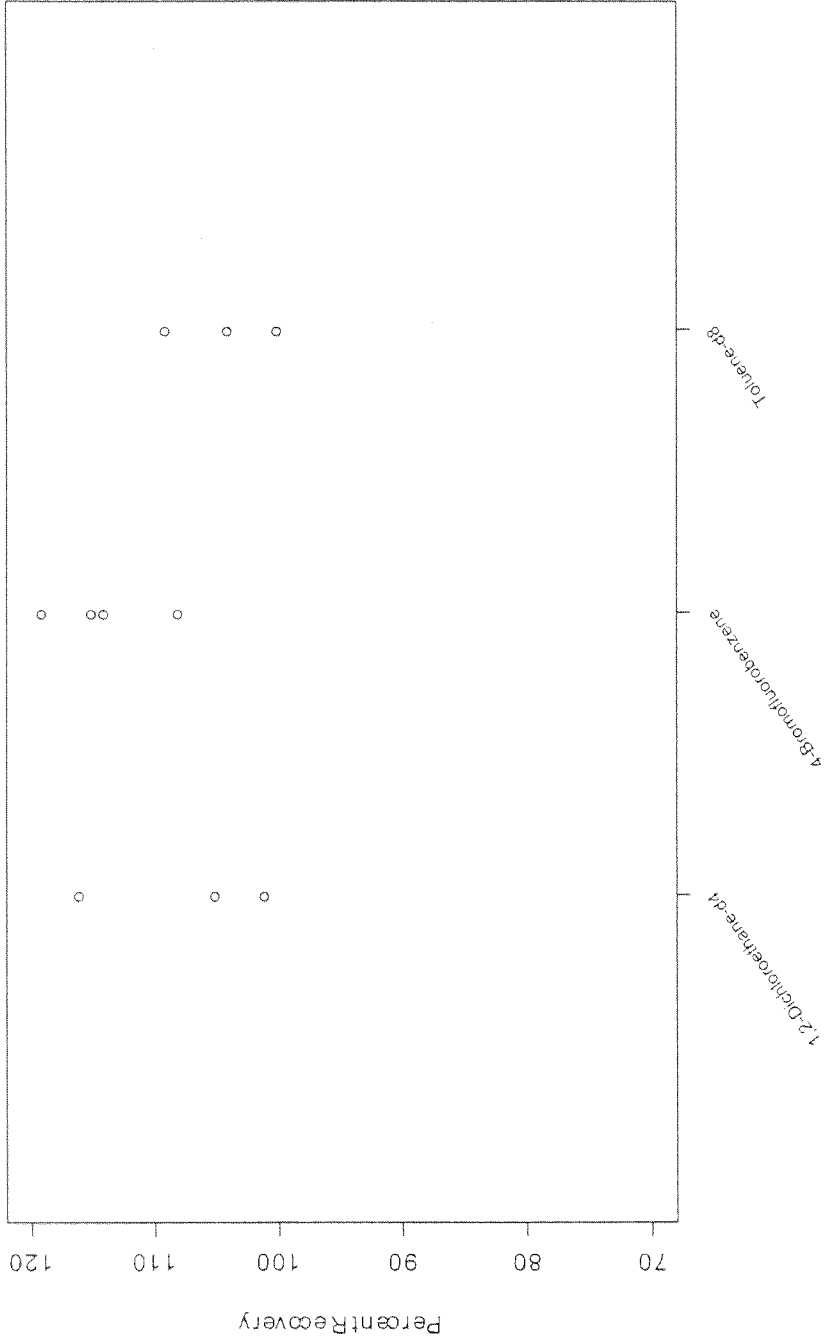
DEC02AA Quarter LCS - Percent Recovery for Organics

N  
Min  
Median  
Max

4  
101  
103  
116

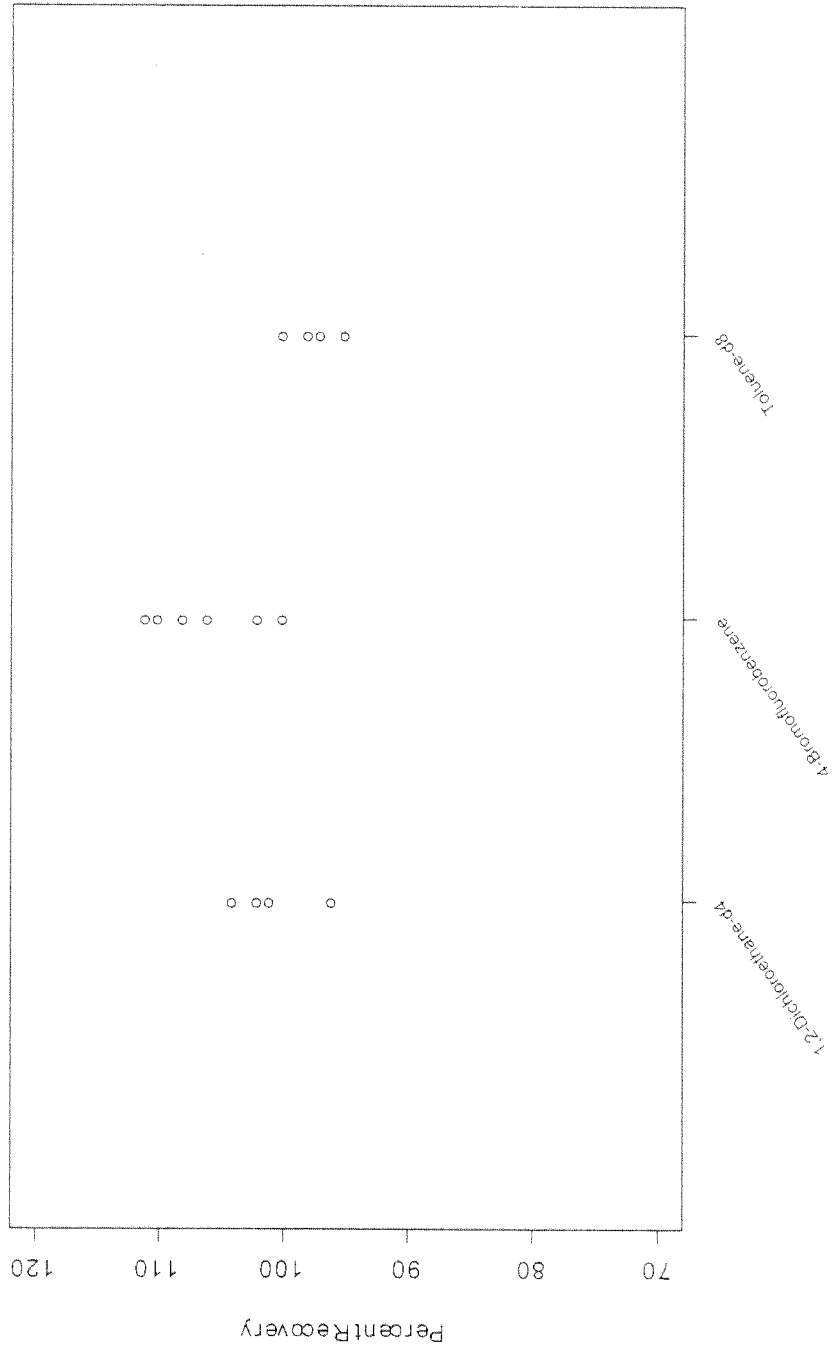
4  
108  
114.5  
119

4  
100  
102  
109

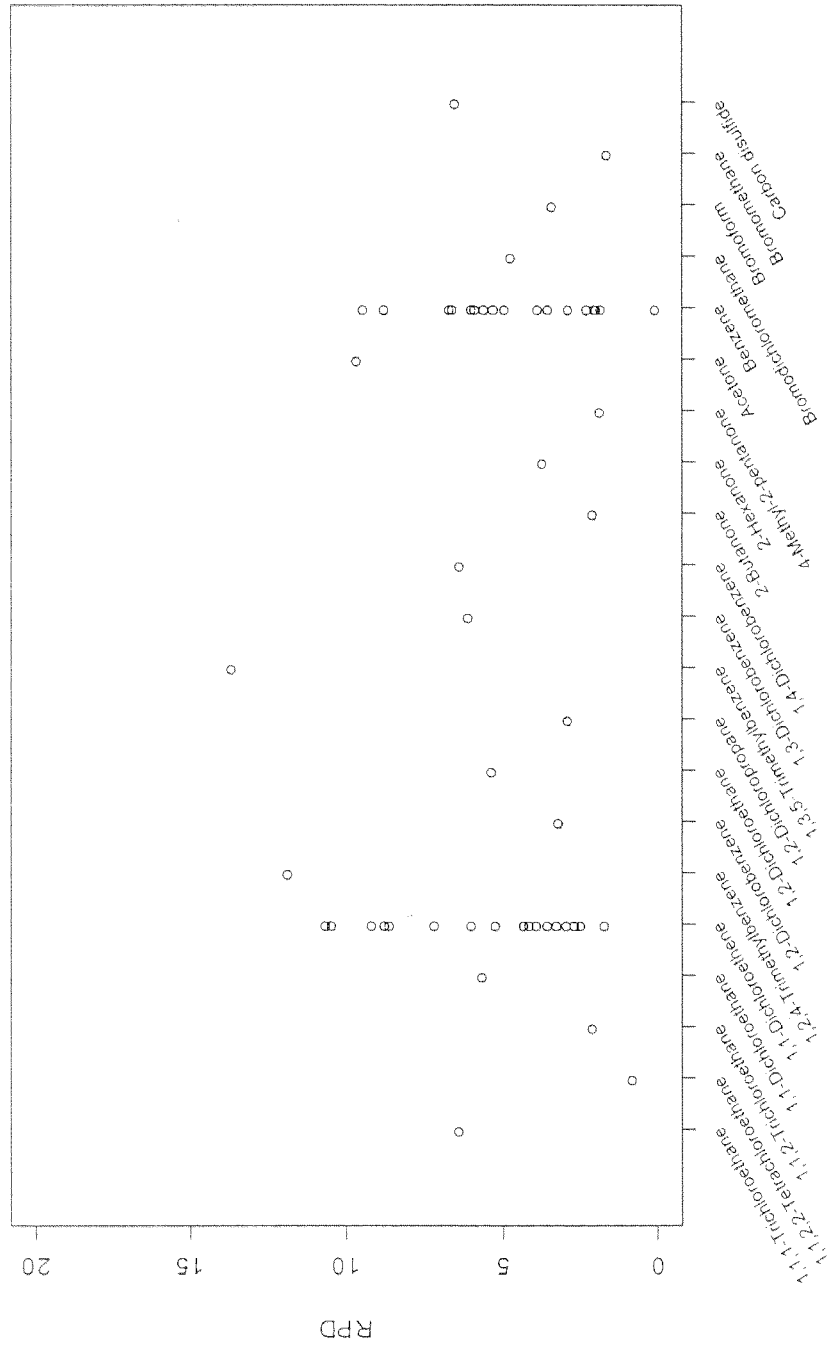


DEC02AA Quarter LCS - Percent Recovery for Organics-SIM

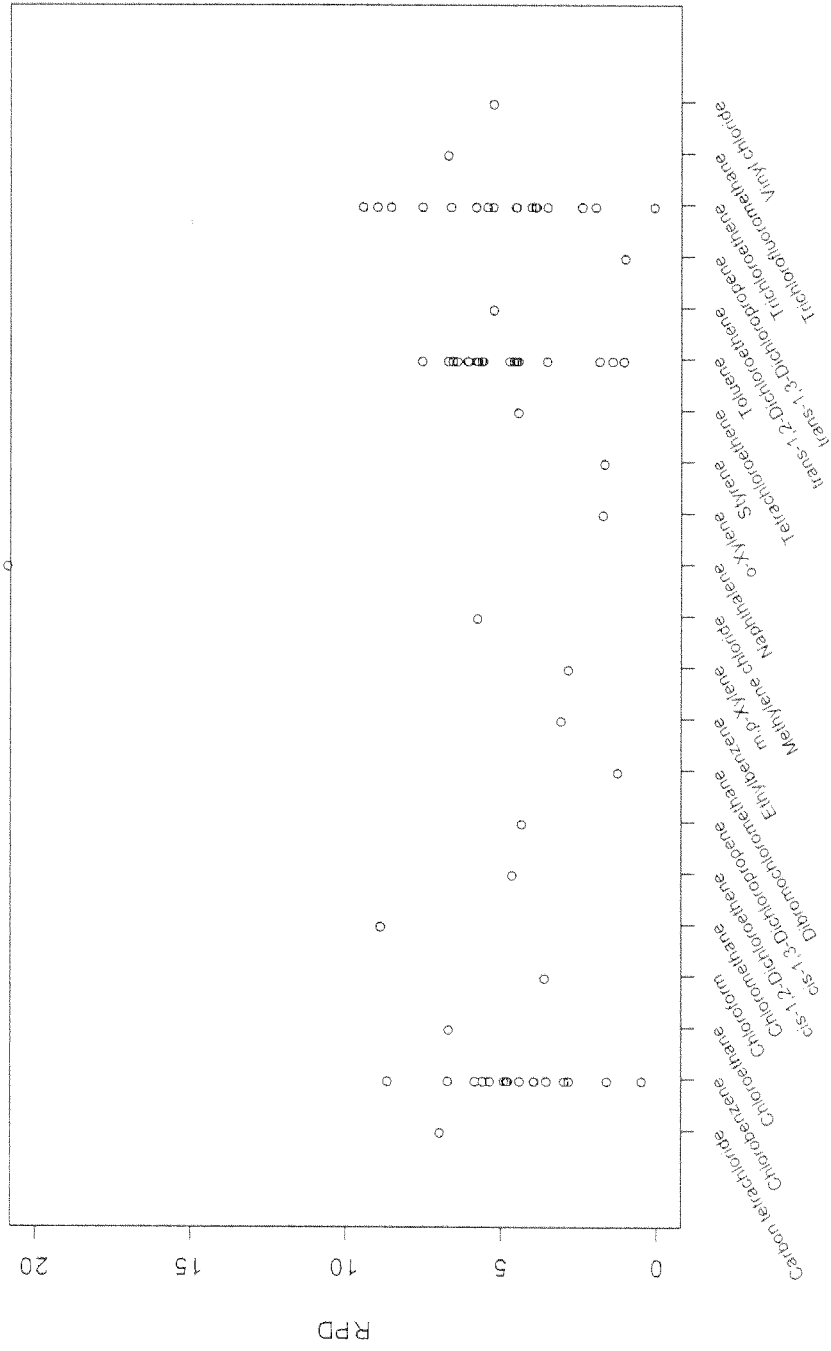
N	6	6	6
Min	96	100	95
Median	102	107	98
Max	104	111	100



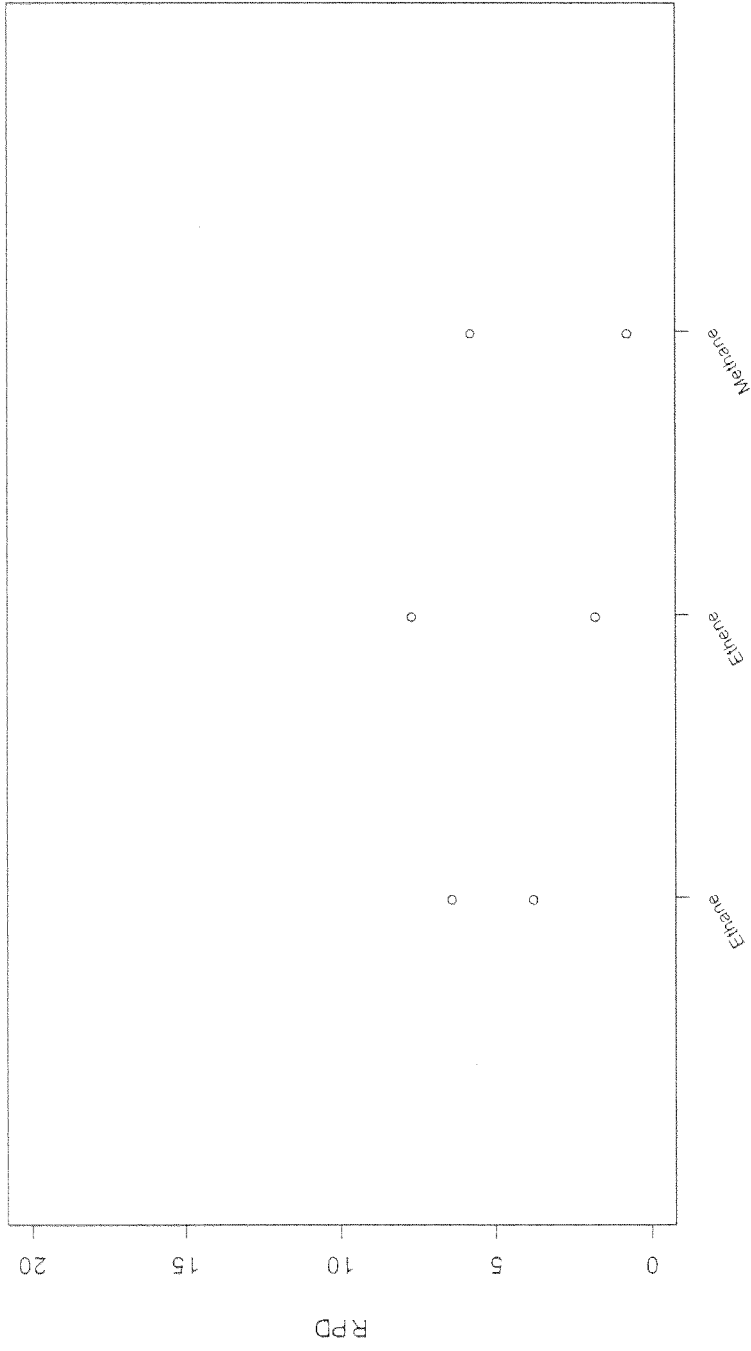
Q2HC02 Quarter LCS - Relative Percent Difference for 8260B



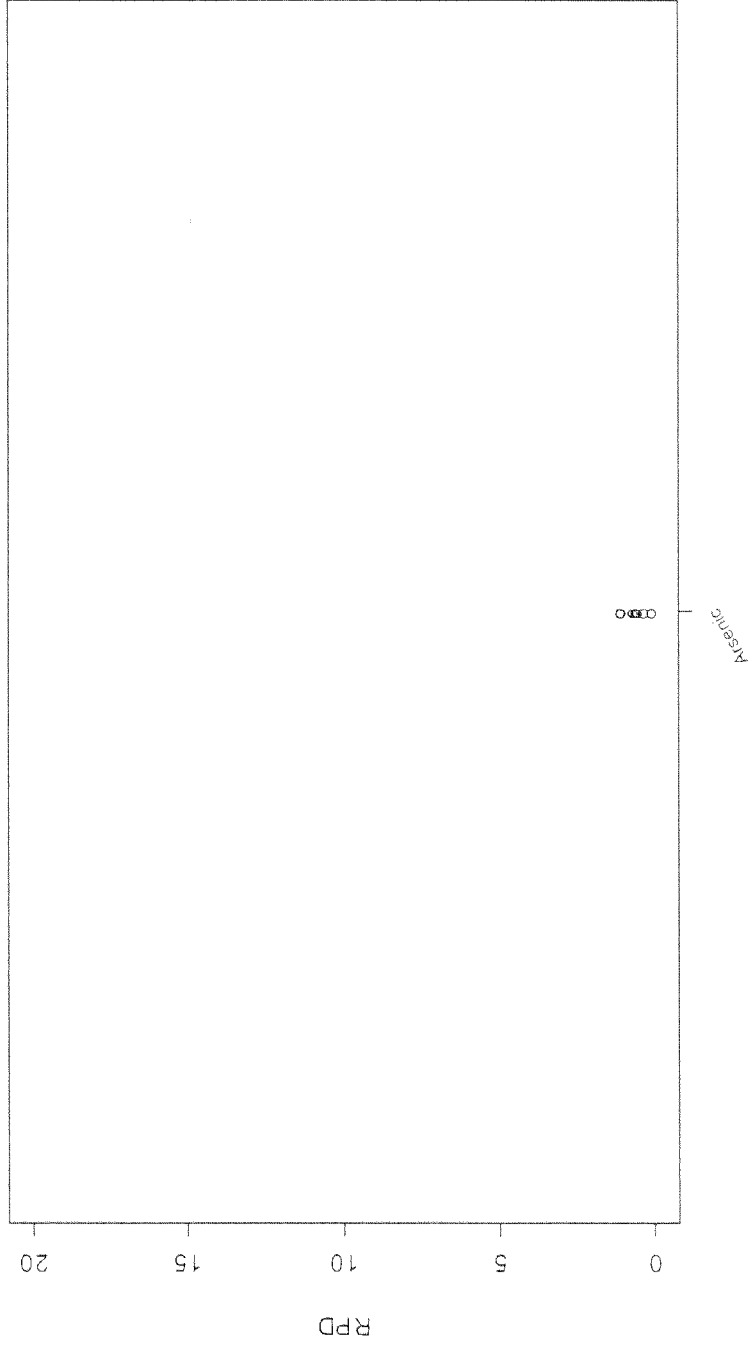
Q2HC02 Quarter LCS - Relative Percent Difference for 8260B (continued)



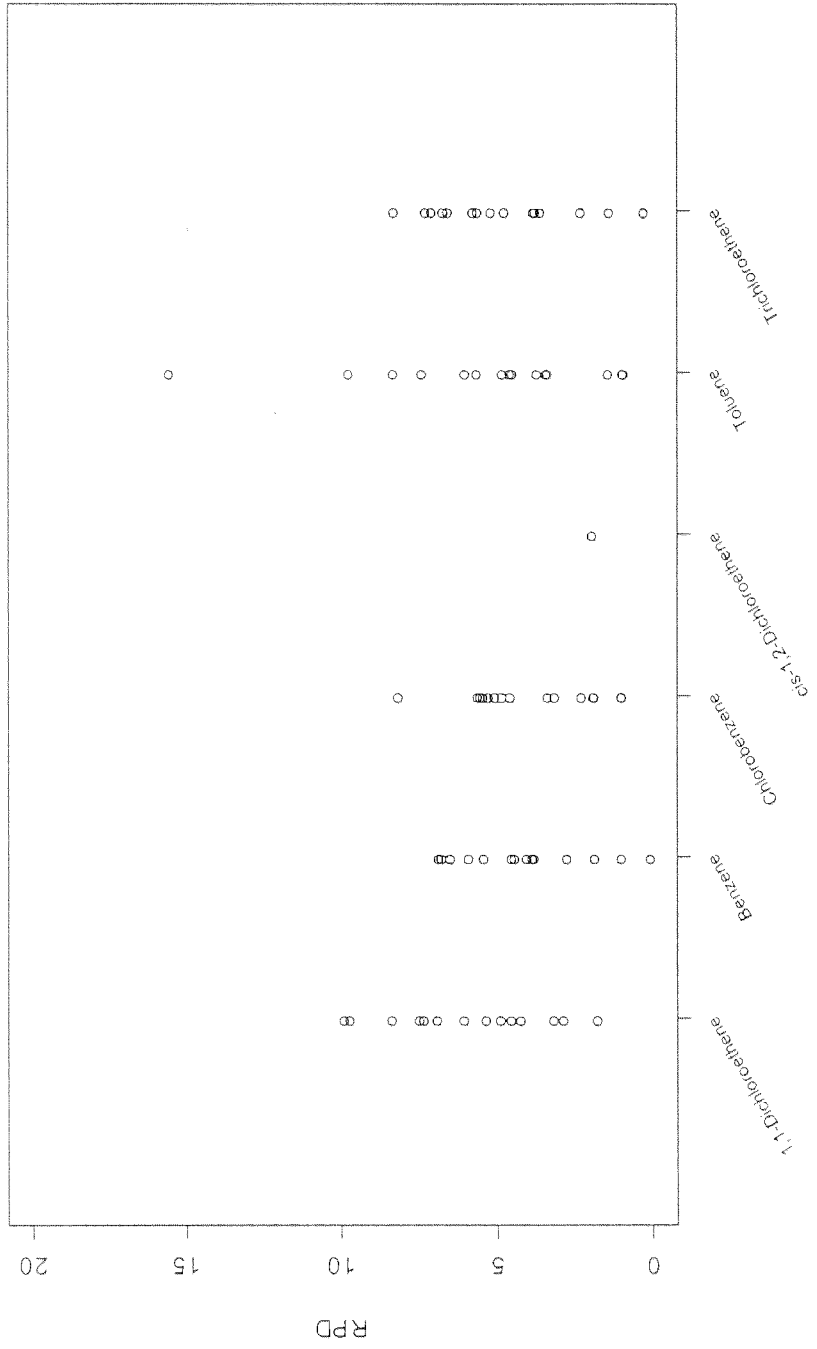
Q2HC02 Quarter LCS - Relative Percent Difference for Conventionals



Q2HC02 Quarter LCS - Relative Percent Difference for Metals

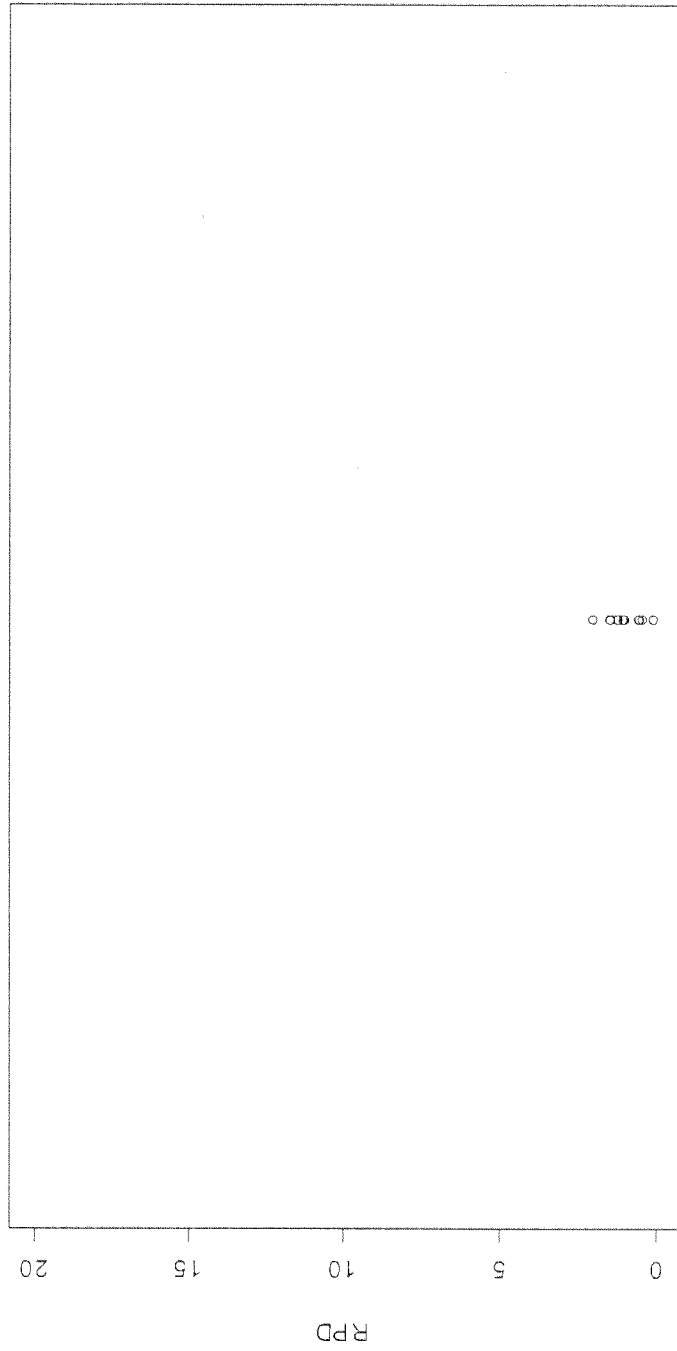


Q2HC02 Quarter Matrix Spike - Relative Percent Difference for 8260B





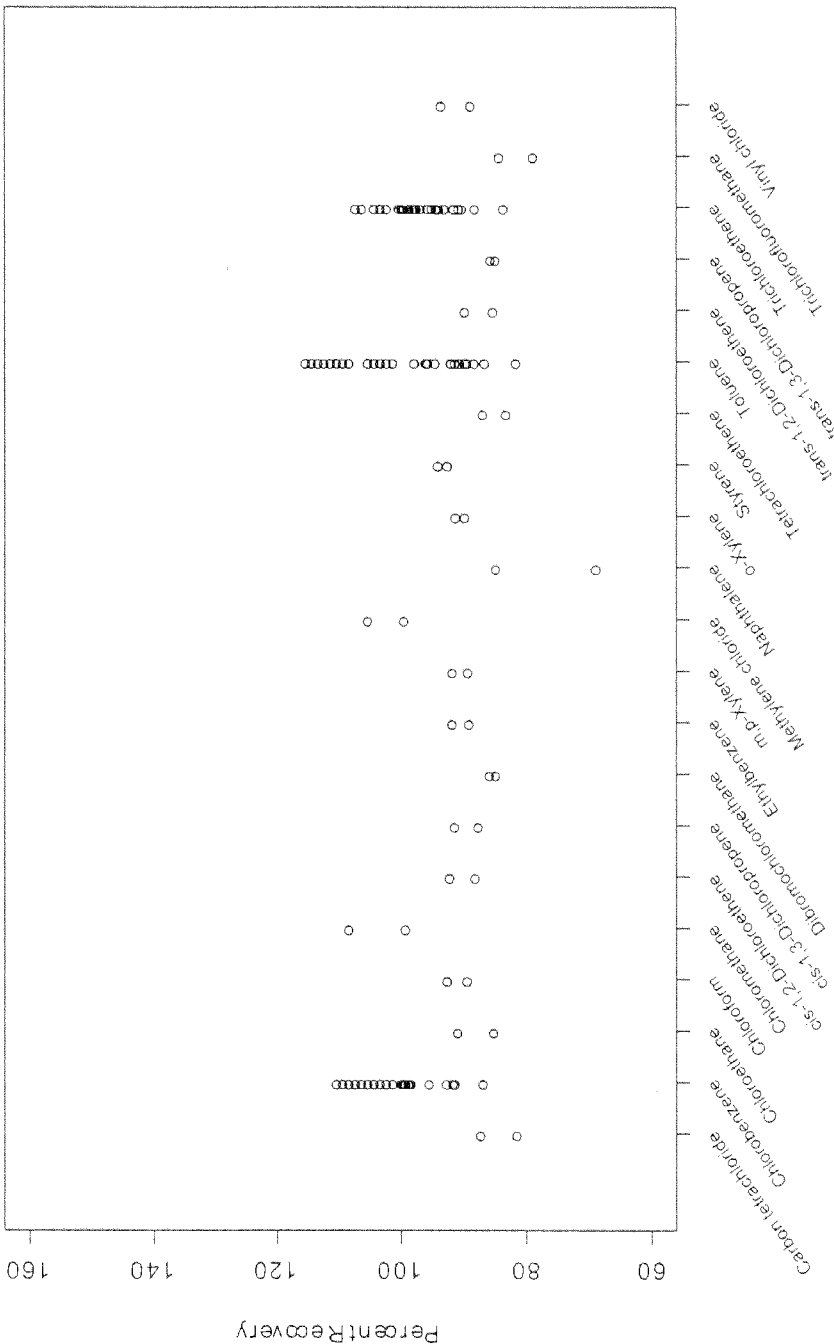
Q2HC02 Quarter Matrix Spike - Relative Percent Difference for Metals





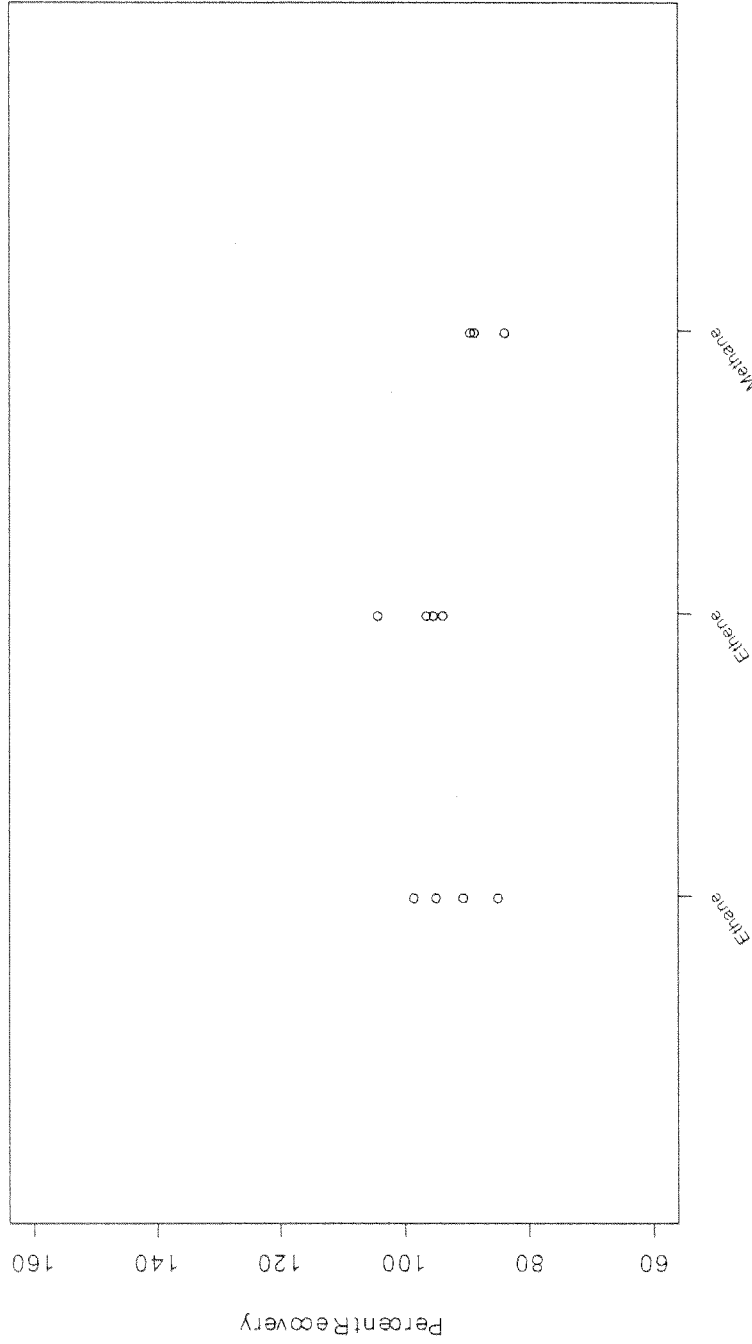
Q2HC02 Quarter LCS - Percent Recovery for 8260B (continued)

N	2	36	2	2	2	2	2	2	2	2	2	36	2	36	2	2					
Min	81.1	86.5	84.8	89.1	98.9	87.8	87.3	84.5	88.8	89	99.2	68.6	89.5	92.3	82.9	81.3	85	84.6	83.3	78.6	88.6
Median	84	102	87.7	90.7	103.4	89.8	89.2	85	90.2	90.2	102.1	76.6	90.2	93	84.8	102	87.2	85	98.1	81.3	90.9
Max	86.9	110	90.6	92.3	108	91.9	91.1	86.5	91.5	91.5	105	84.5	91	93.8	86.6	115	89.5	85.4	107	84	93.3



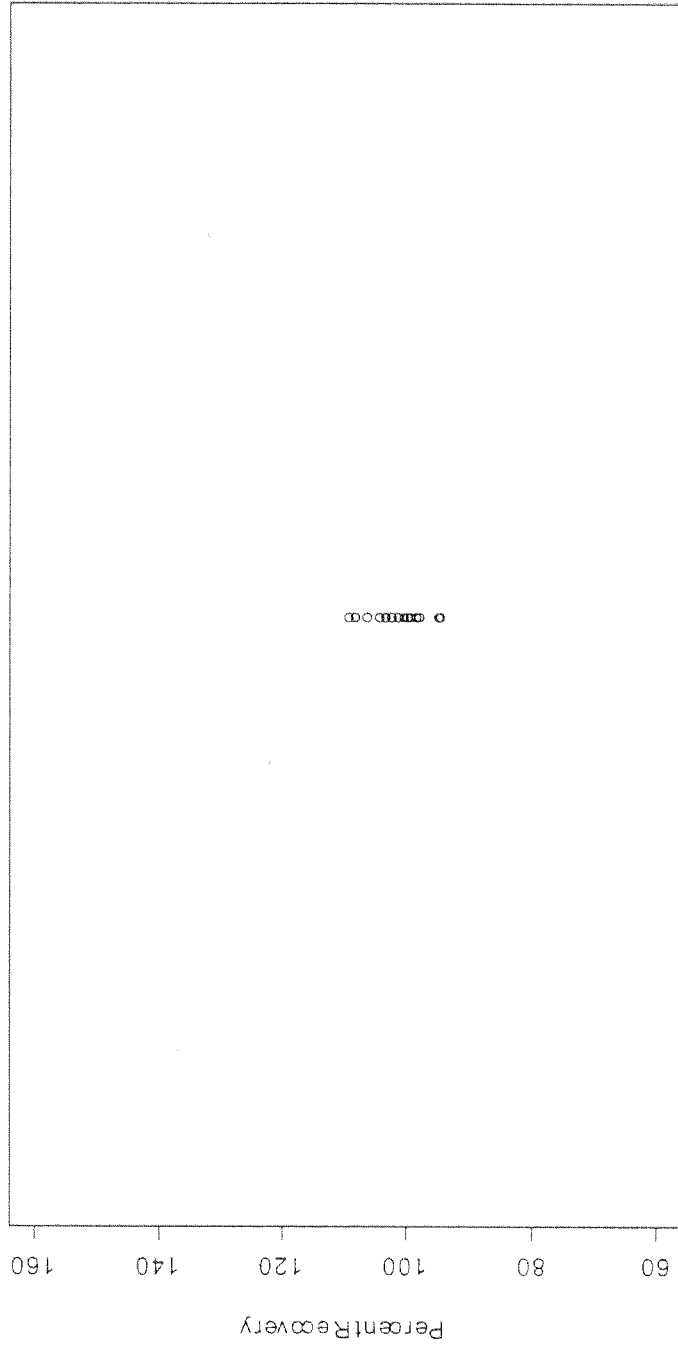
Q2HC02 Quarter LCS - Percent Recovery for Conventionals

N	4	4	4
Min	84.6	93.5	83.5
Median	92.4	95.6	88.4
Max	98.2	104	89.1



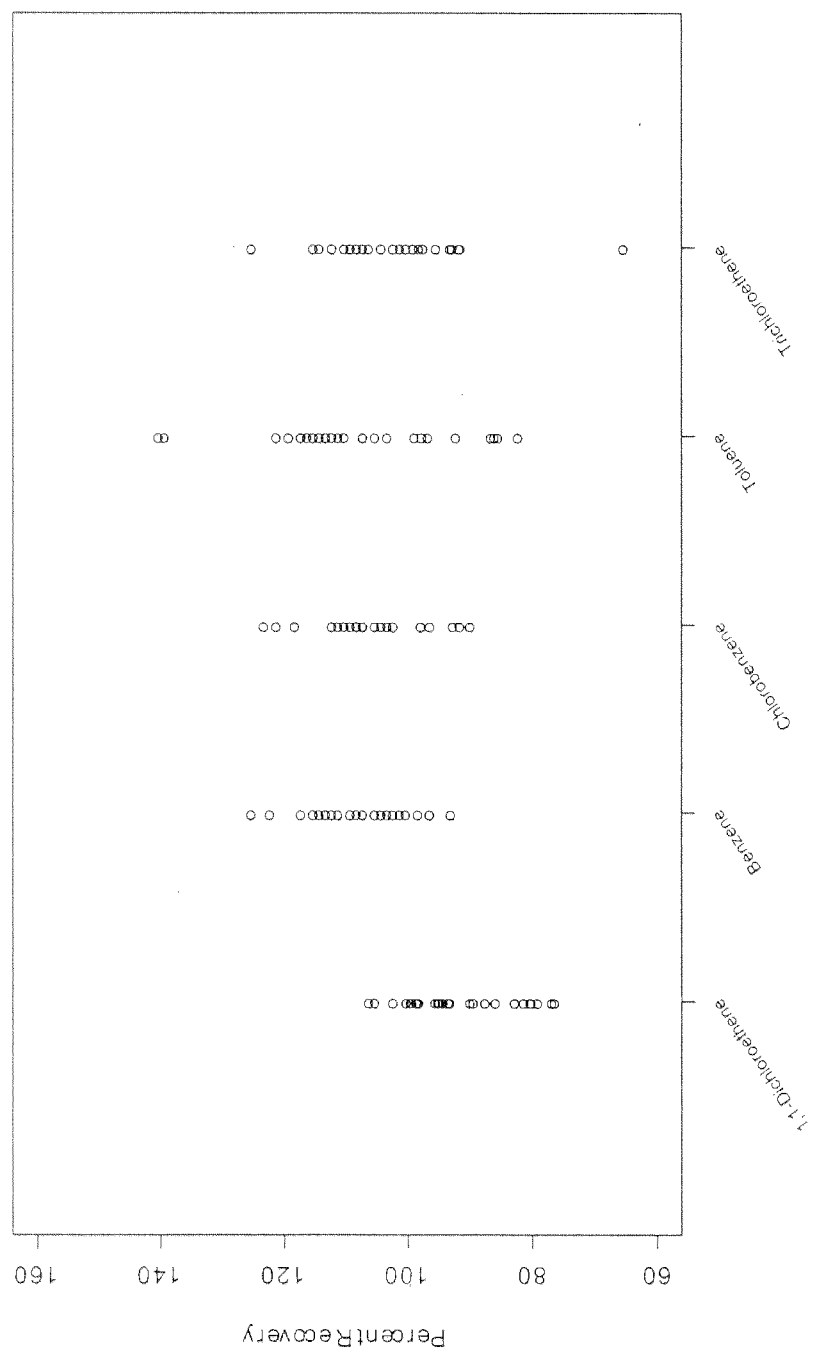
Q2HC02 Quarter LCS - Percent Recovery for Metals

N  
24  
Min  
94.2  
Median  
102  
Max  
109



Q2HC02 Quarter Matrix Spike - Percent Recovery for 8260B

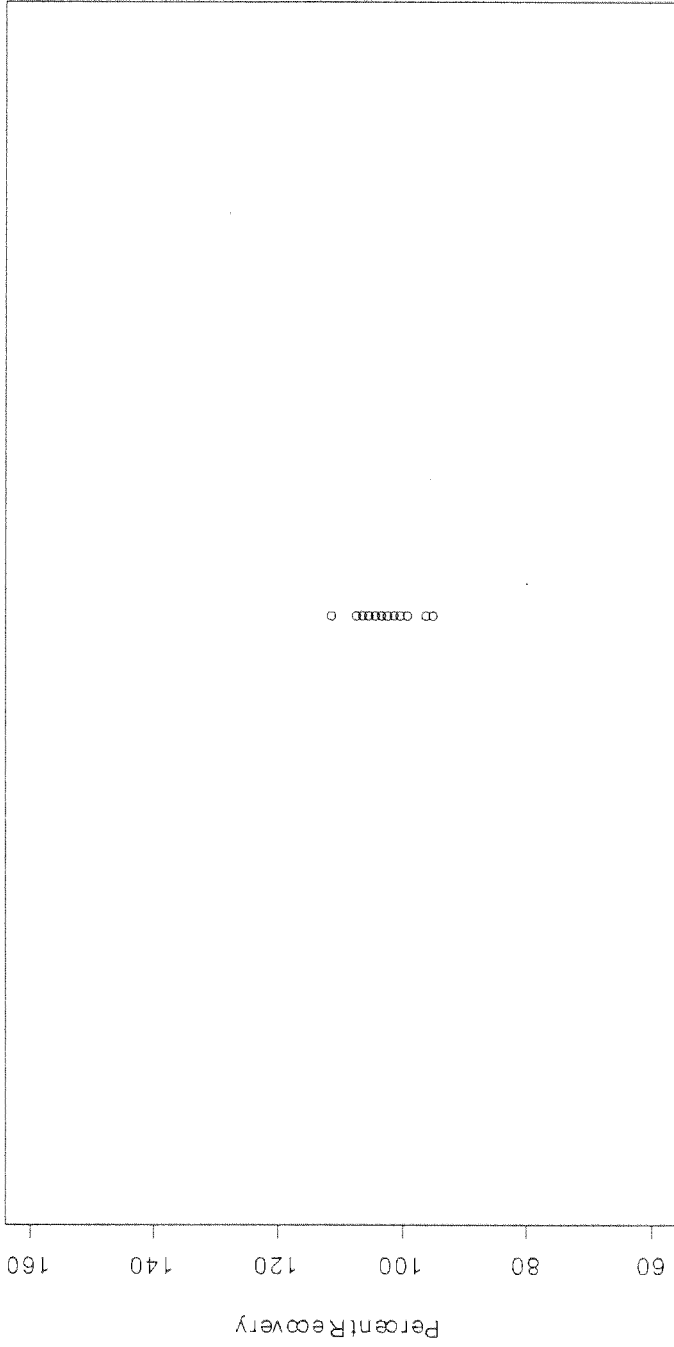
	1,1-Dichloroethene	Benzene	Chlorobenzene	Toluene	Trichloroethene
N	30	30	30	30	30
Min	76	92.8	89.7	82	65
Median	94	107	107.5	111.5	106
Max	106	125	123	140	125



Q2HC02 Quarter Matrix Spike - Percent Recovery for Metals

N  
Min  
Median  
Max

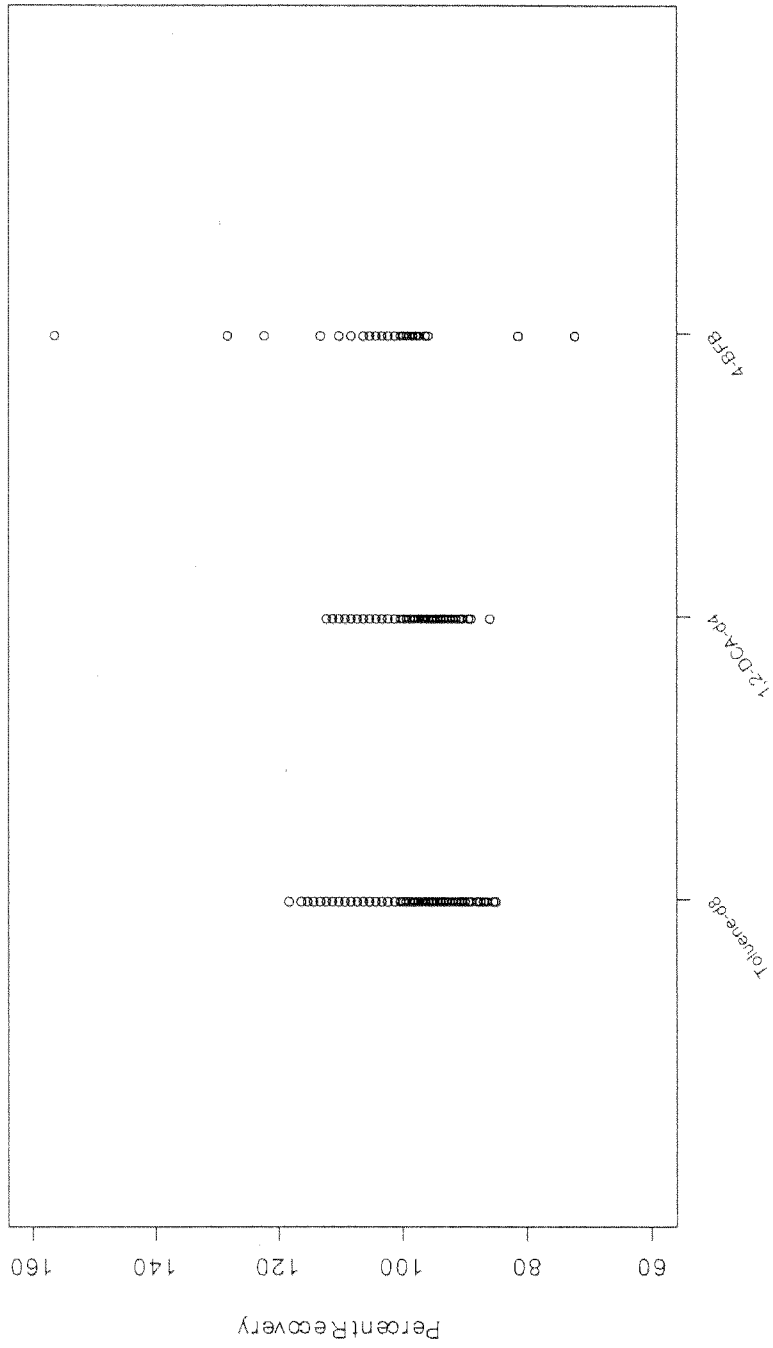
30  
94.7  
103  
111



Arsenic

Q2HC02 Quarter Surrogates - Percent Recovery for 8260B

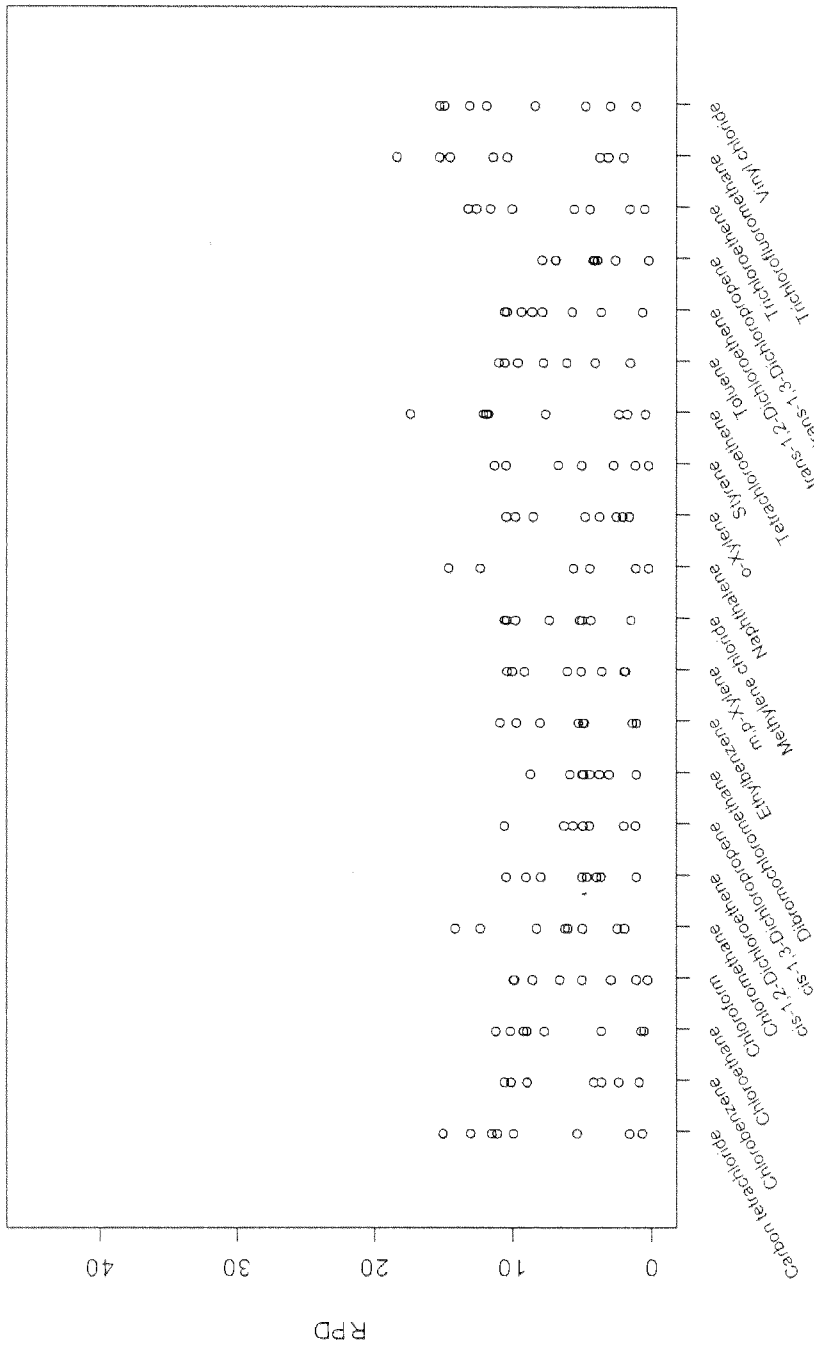
N	246	246	246
Min	84.5	85.5	72
Median	102	100	102
Max	118	112	156



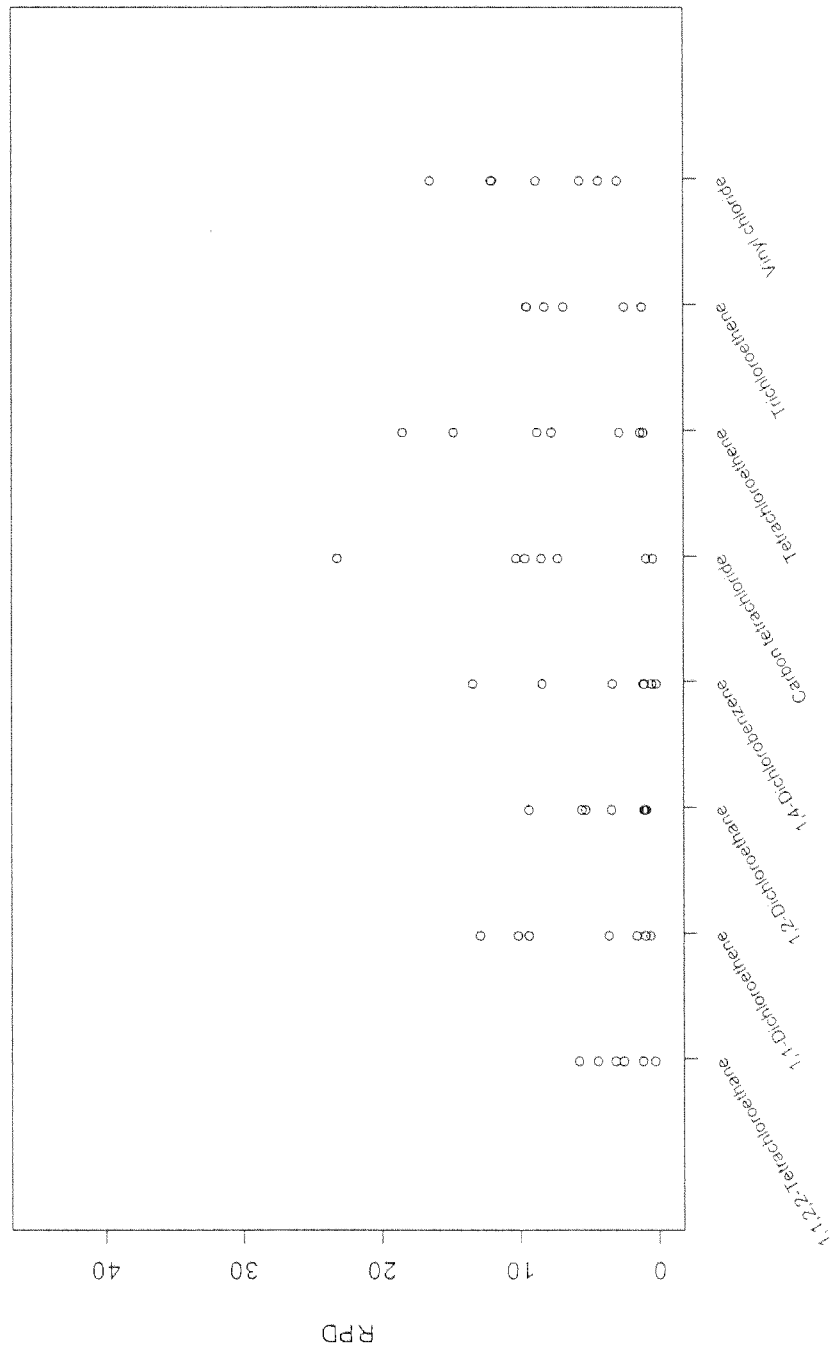




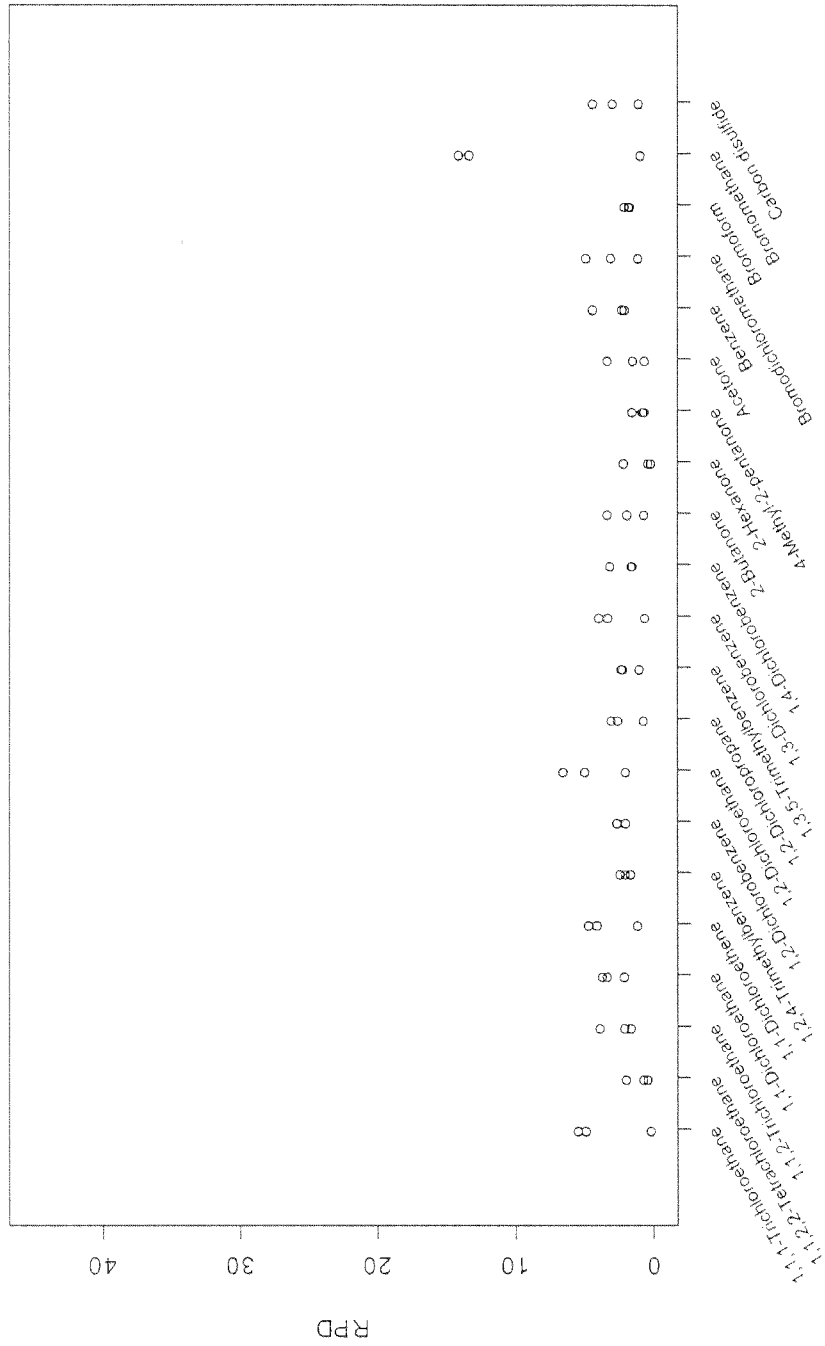
2002TMIX Quarter LCS - Relative Percent Difference for VOC (continued)



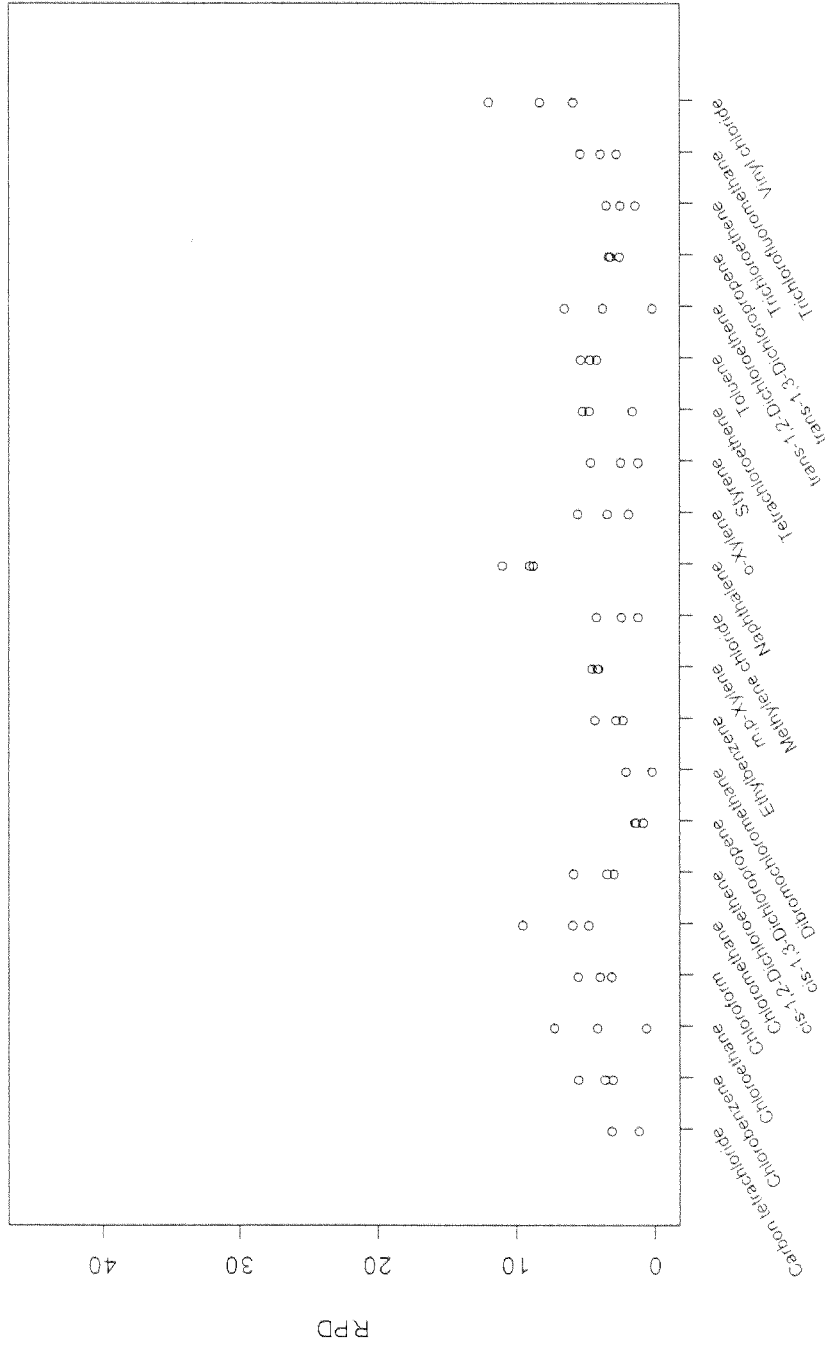
2002TMIX Quarter LCS - Relative Percent Difference for VOC-SIM



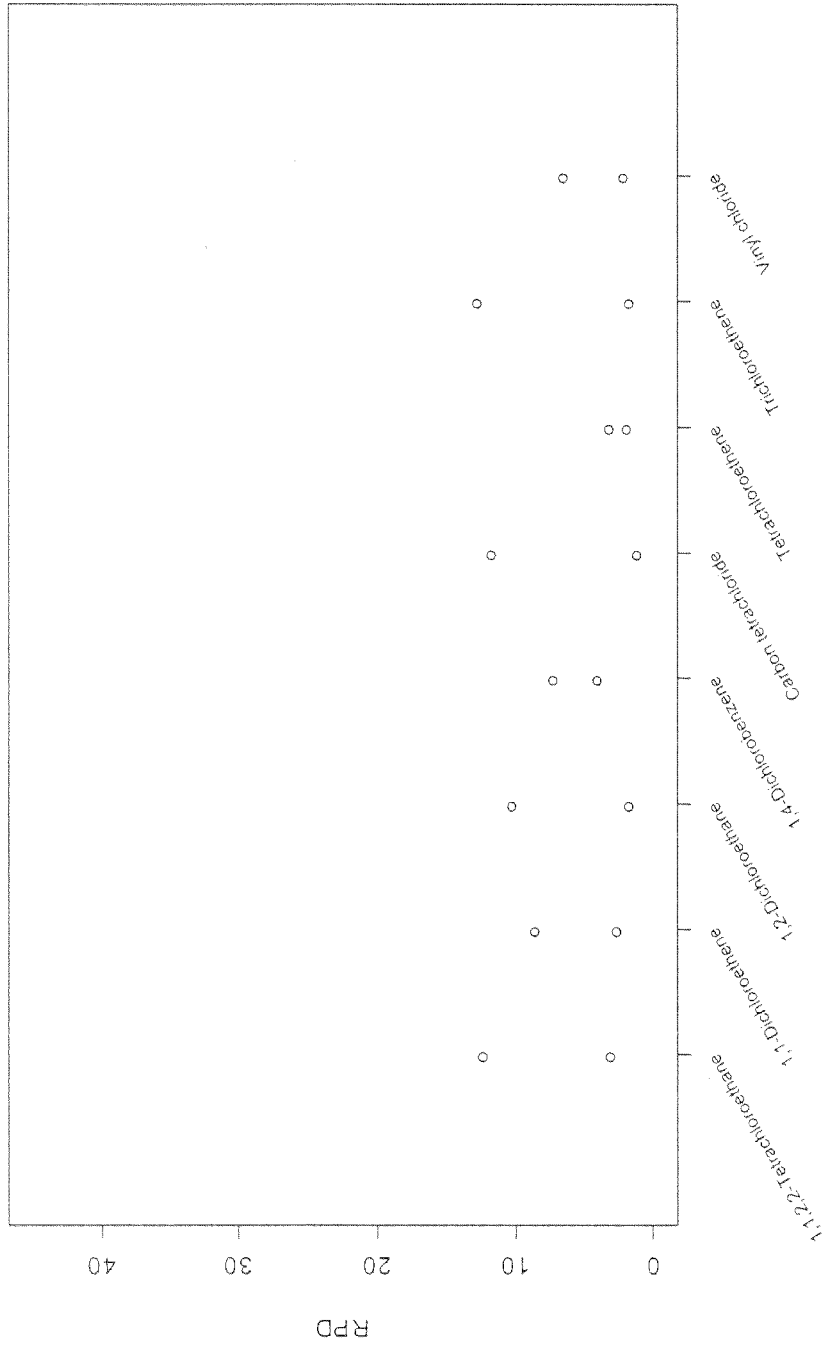
2002MIX Quarter Matrix Spike - Relative Percent Difference for VOC



2002T MIX Quarter Matrix Spike - Relative Percent Difference for VOC (continued)

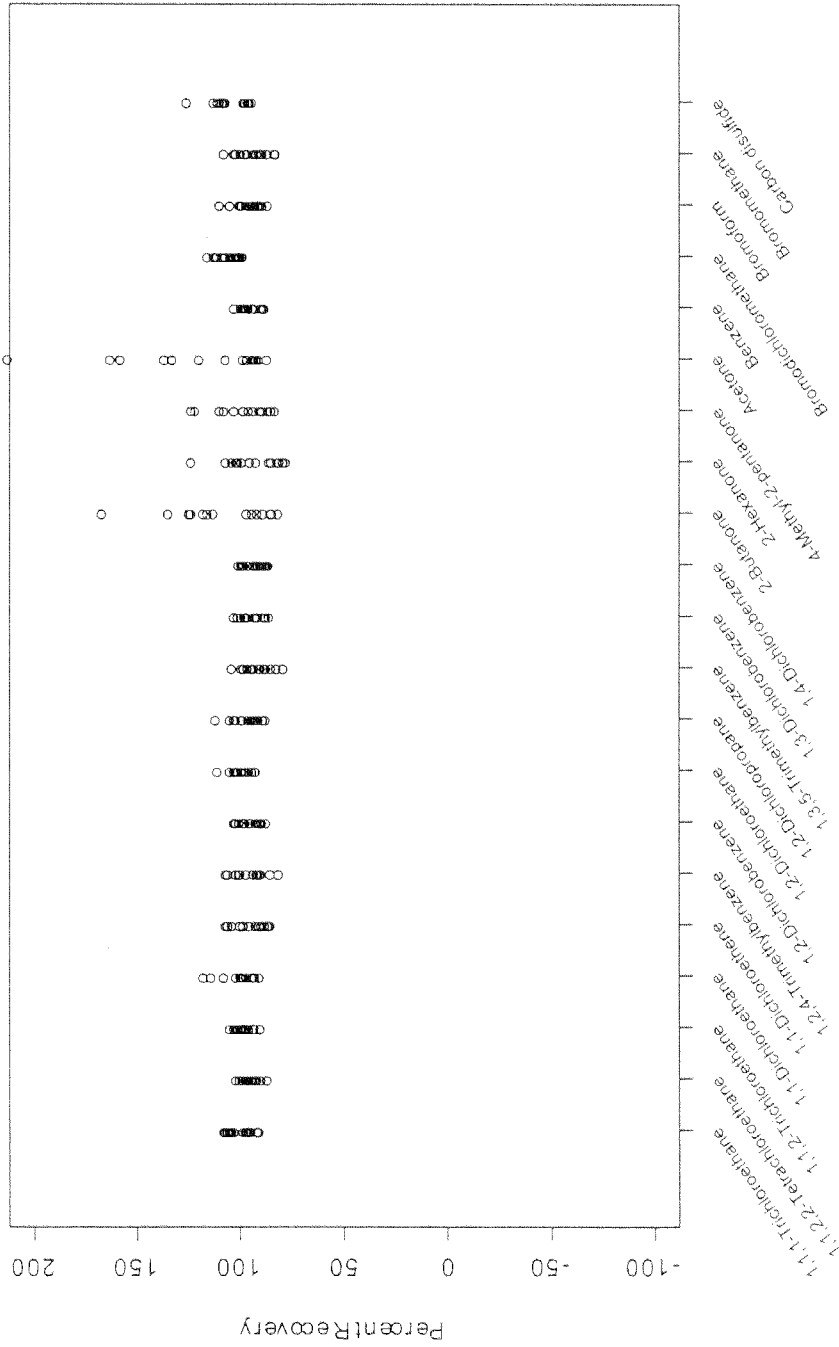


2002TMIX Quarter Matrix Spike - Relative Percent Difference for VOC-SIM



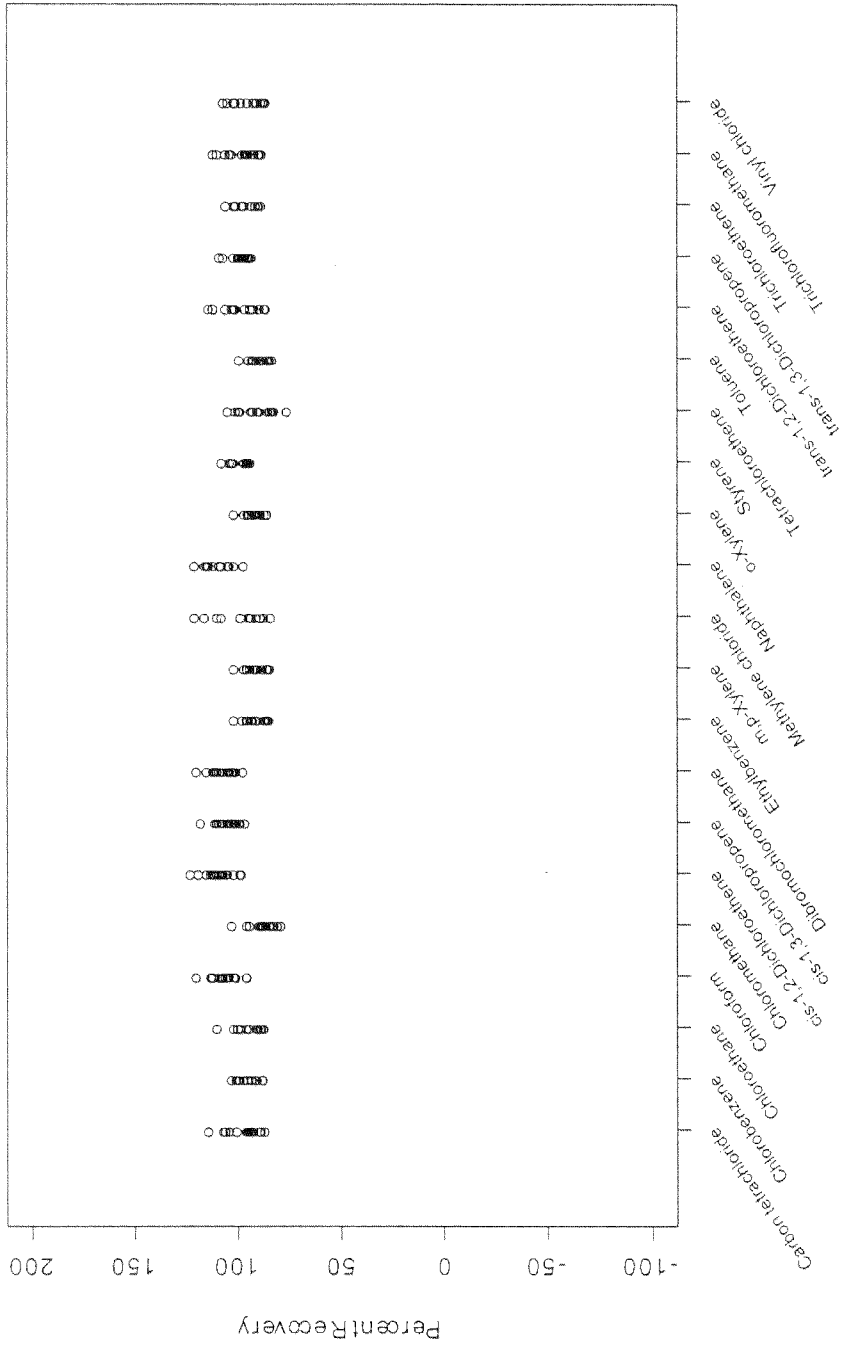
2002T MIX Quarter LCS - Percent Recovery for VOC

	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16				
N	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16				
Min	89.7	85.9	89.3	89.7	84.4	80.3	86.5	91.2	86.7	78.1	85	85.2	80.6	77	82.2	86	87.2	97.6	85.7	81.3	93.1
Median	95.8	95.2	98.5	98.1	93	94.4	94.2	98.2	93	92.4	91.6	91.9	94.5	88	93.7	112.5	93.9	105	94.2	90.4	101.6
Max	107	101	104	117	106	102	110	111	103	102	102	99.8	166	123	123	212	102	115	109	107	125



2002TMIX Quarter LCS - Percent Recovery for VOC (continued)

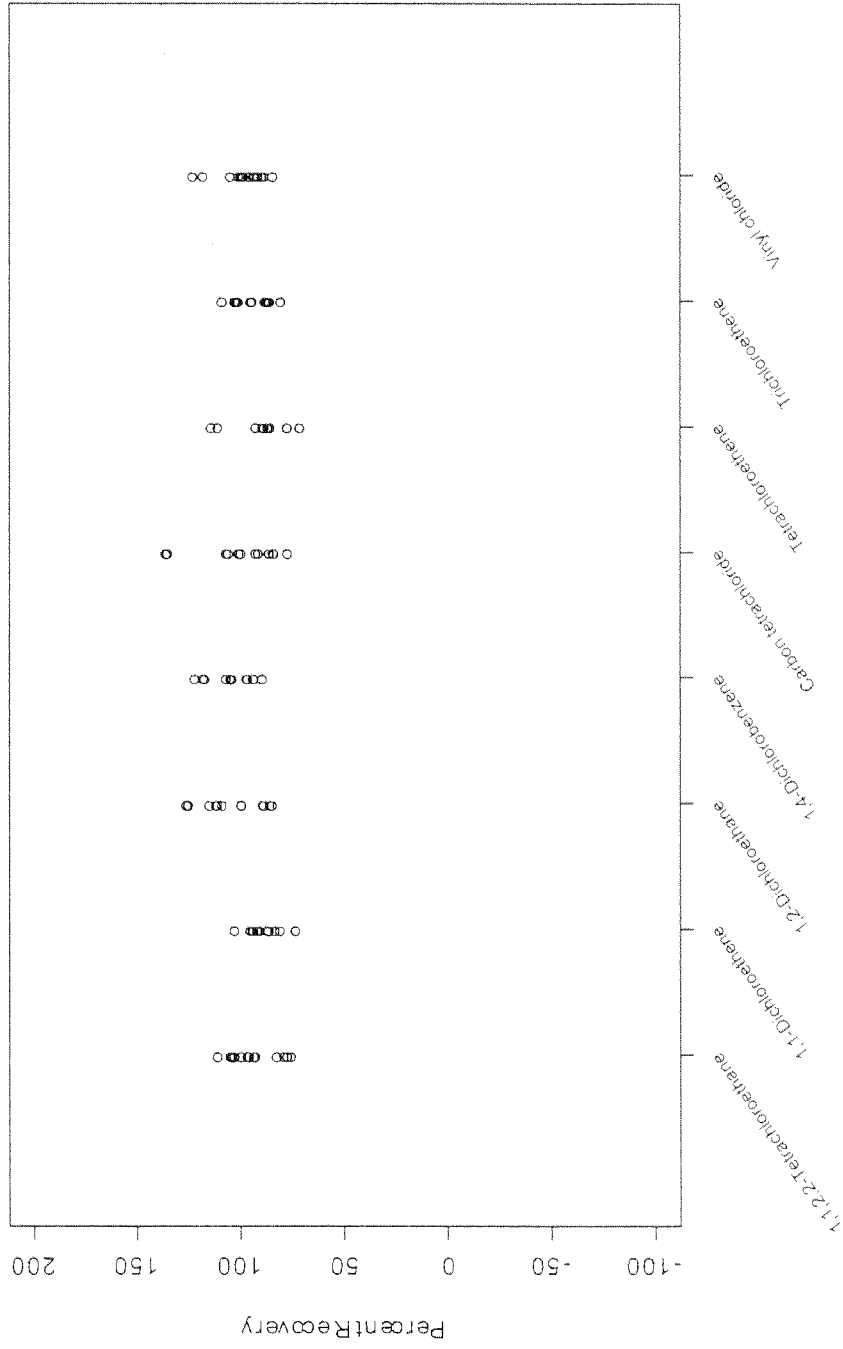
	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
N	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16					
Min	85.8	86.8	86.3	94.3	78	97.1	95.6	96.4	83.7	83.5	83.2	96.1	84.7	92.9	75.2	82.2	85.4	92.1	87.7	87.3	85.4	
Median	93.2	95.2	91.5	105.5	86.7	108.5	103	106	90.4	90.2	93	107	90.8	98.6	88.6	88.4	92.9	97.4	95.9	94.4	89.6	
Max	113	102	109	119	102	122	117	119	101	101	120	120	107	104	98.4	113	108	105	111	105	111	106





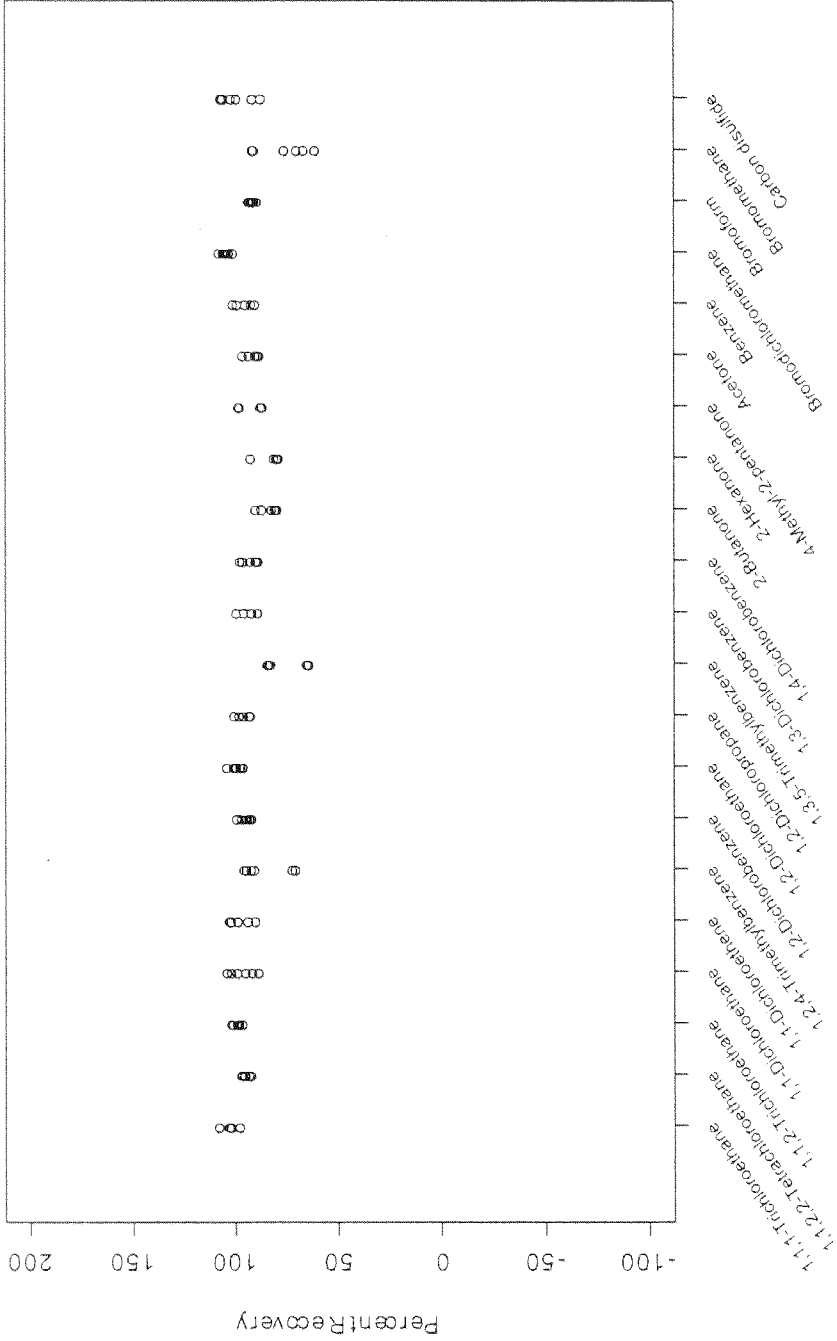
2002TMIX Quarter LCS - Percent Recovery for VOC-SIM

	14	14	14	14	14	14	14
N	14	14	14	14	14	14	14
Min	74.6	72.4	83.7	88.4	76.3	70.3	83.6
Median	95	90.2	103.2	96	91	85.5	96.2
Max	110	102	125	121	135	113	122



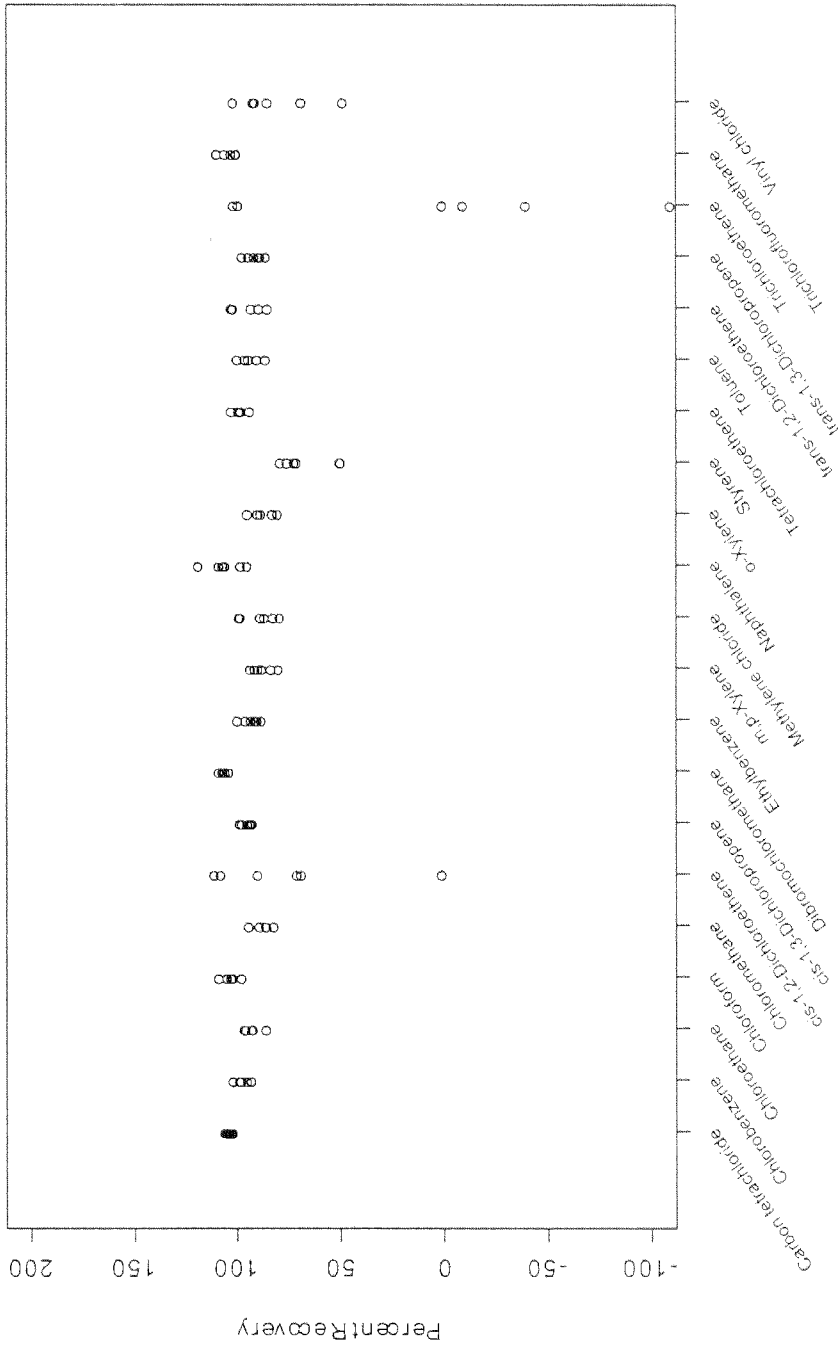
### 2002T MIX Quarter Matrix Spike - Percent Recovery for VOC

	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6						
Min	96.7	91.2	95.6	87.6	89.1	69.6	90.9	94.9	91.6	62.9	88	87.8	78.4	77.8	85.6	87.2	89.2	100	88.3	60	86.4
Median	101.5	93.2	97.7	95.9	95.4	90.6	93.4	97.4	93.4	82.1	91	90.3	80.3	79.4	86.6	88.6	95.9	103.5	90.4	72	99.6
Max	107	96.1	101	103	98.2	103	99.4	98.2	99.4	83.5	98.4	96.7	89	91.6	97.4	95.2	100	107	92.4	90.5	106



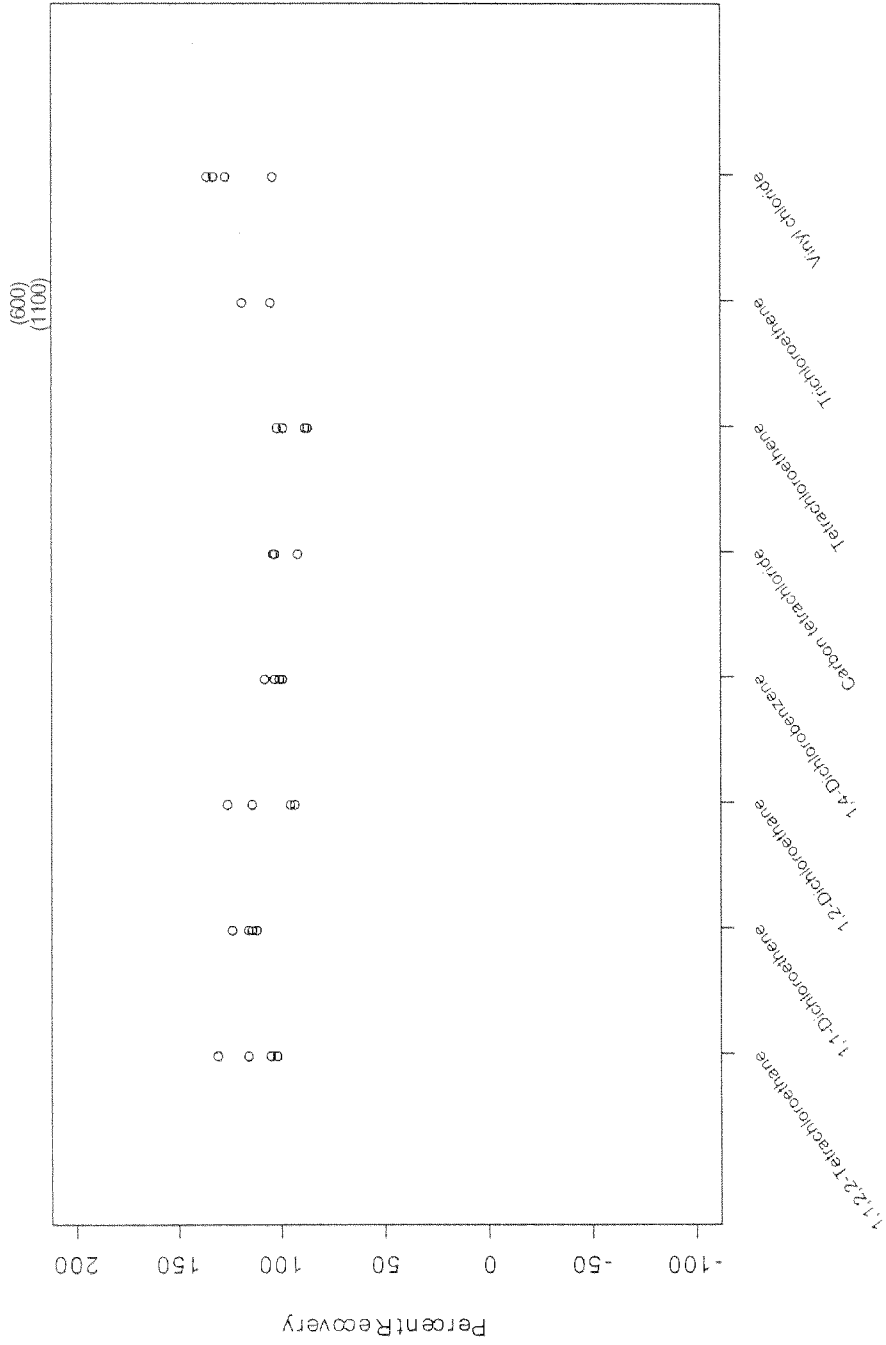
### 2002TMIIX Quarter Matrix Spike - Percent Recovery for VOC (continued)

N	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6			
Min	101	91.9	85	96.7	81.4	0	91.6	103	87.2	79	78.4	94.2	79.4	48.9	92.8	85.2	84.4	85.2	-110	99.4	48
Median	103.5	96.9	93.2	103	86.6	79.5	93.4	105	91.4	88	86.8	105.5	88.2	70.9	97.2	91.6	96.6	89.8	-5	103.5	87.4
Max	105	101	95.6	108	93.3	110	97.6	108	99	92.5	98.2	118	94.1	78.4	102	99.1	102	96.6	101	109	101



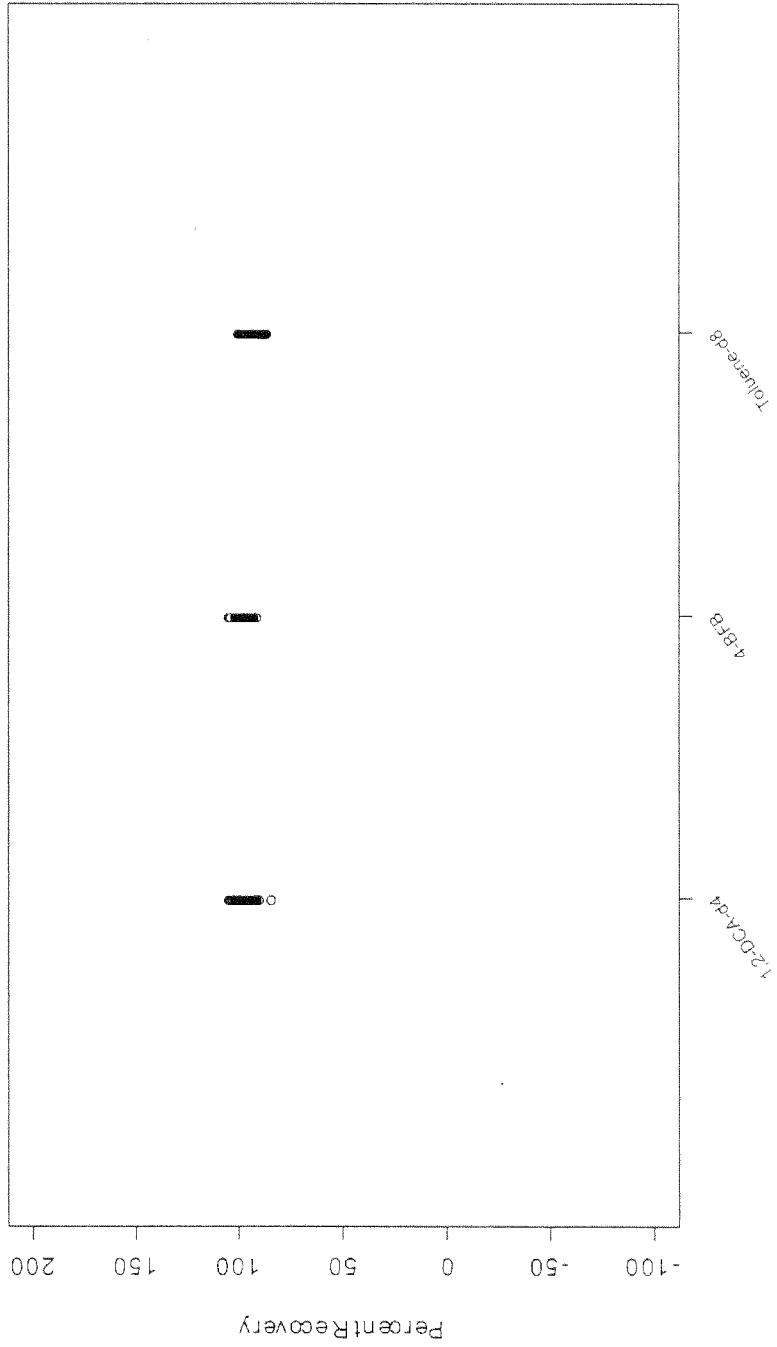
2002TMIX Quarter Matrix Spike - Percent Recovery for VOC-SIM

Parameter	1,1,2,2-Tetrachloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,4-Dichlorobenzene	Carbon tetrachloride	Tetrachloroethene	Trichloroethene	Vinyl chloride
N	4	4	4	4	4	4	4	4
Min	101	92.3	98.1	85.8	104	103	103	103
Median	109.5	103.6	100.8	92.6	359	129	129	129
Max	130	125	107	101	1100	135	135	135



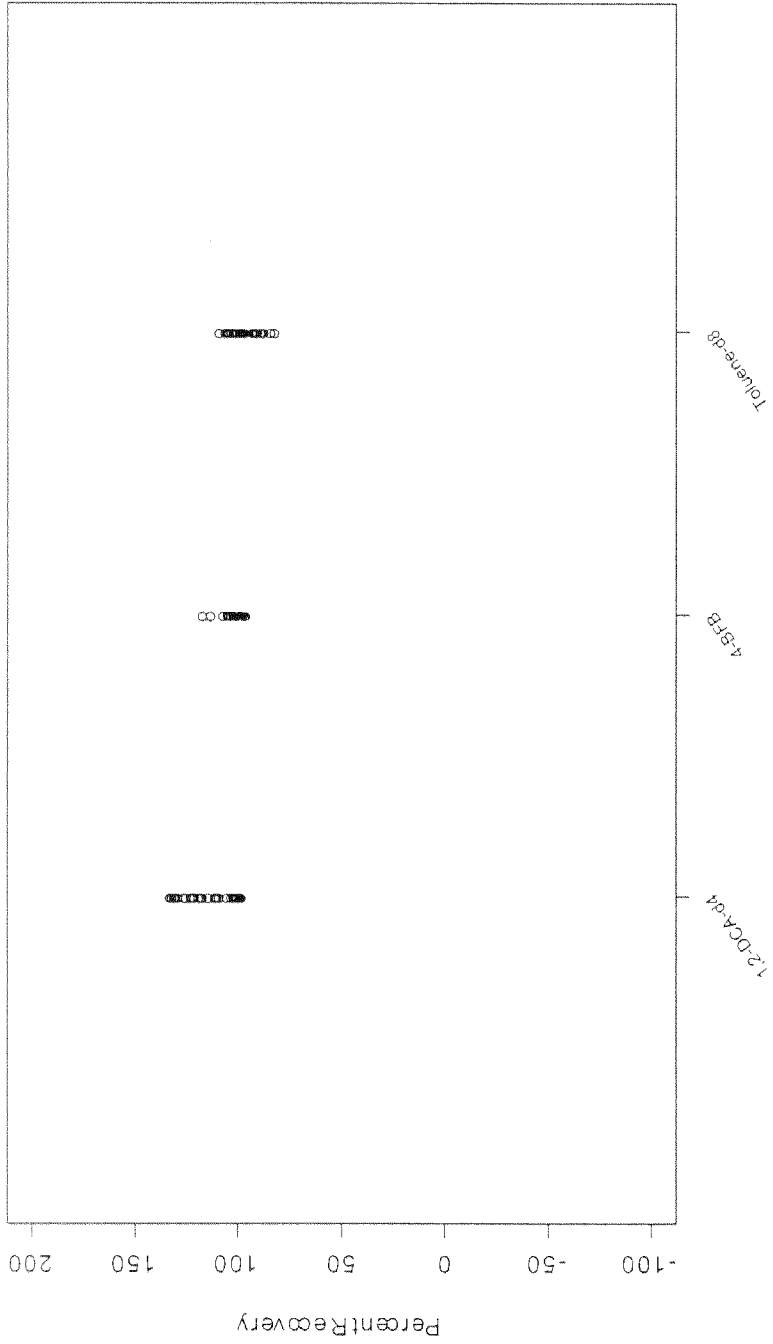
2002TMIIX Quarter Surrogates - Percent Recovery for VOC

N	98	98	98
Min	83.5	90.5	85.5
Median	96	96.5	90.8
Max	104	104	99.5



2002T MIX Quarter Surrogates - Percent Recovery for VOC-SIM

	N	Min	Median	Max
1,2-DCA-d1	62	97	104	132
4-BFB	62	95	99.5	116
Toluene-d8	81	101	108	





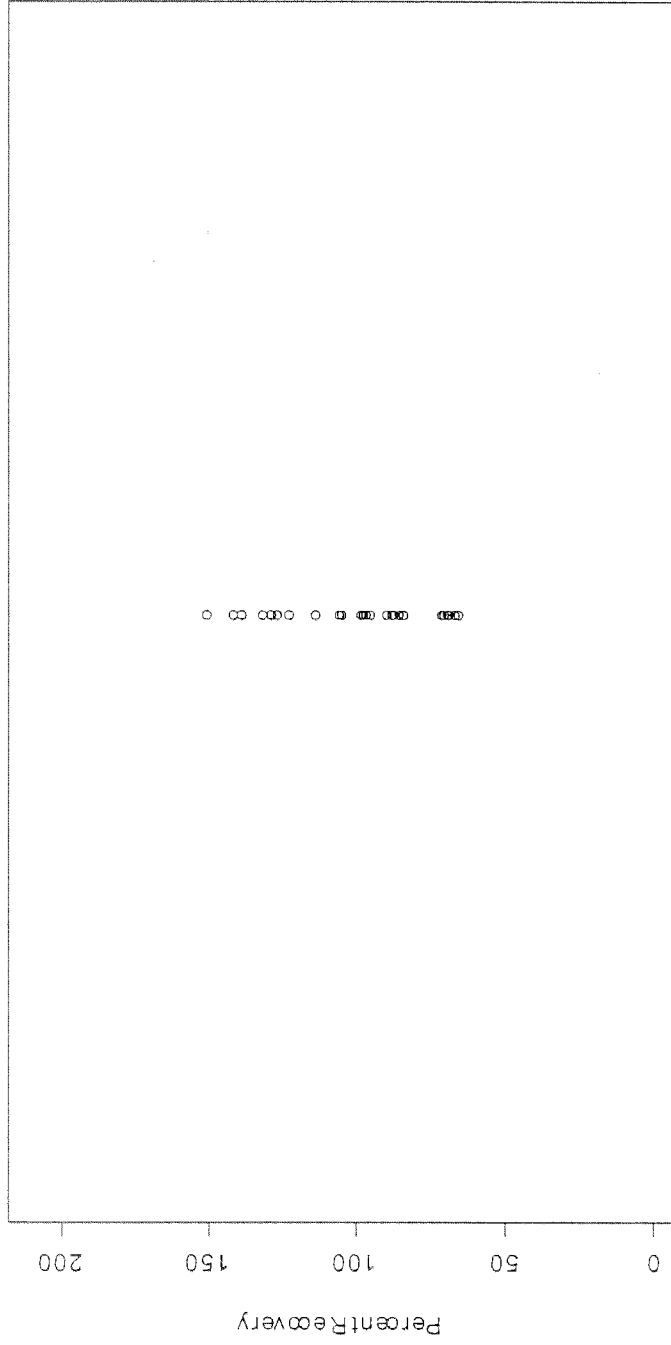






First Quarter 2003 LCS - Percent Recovery for 1,4-Dioxane

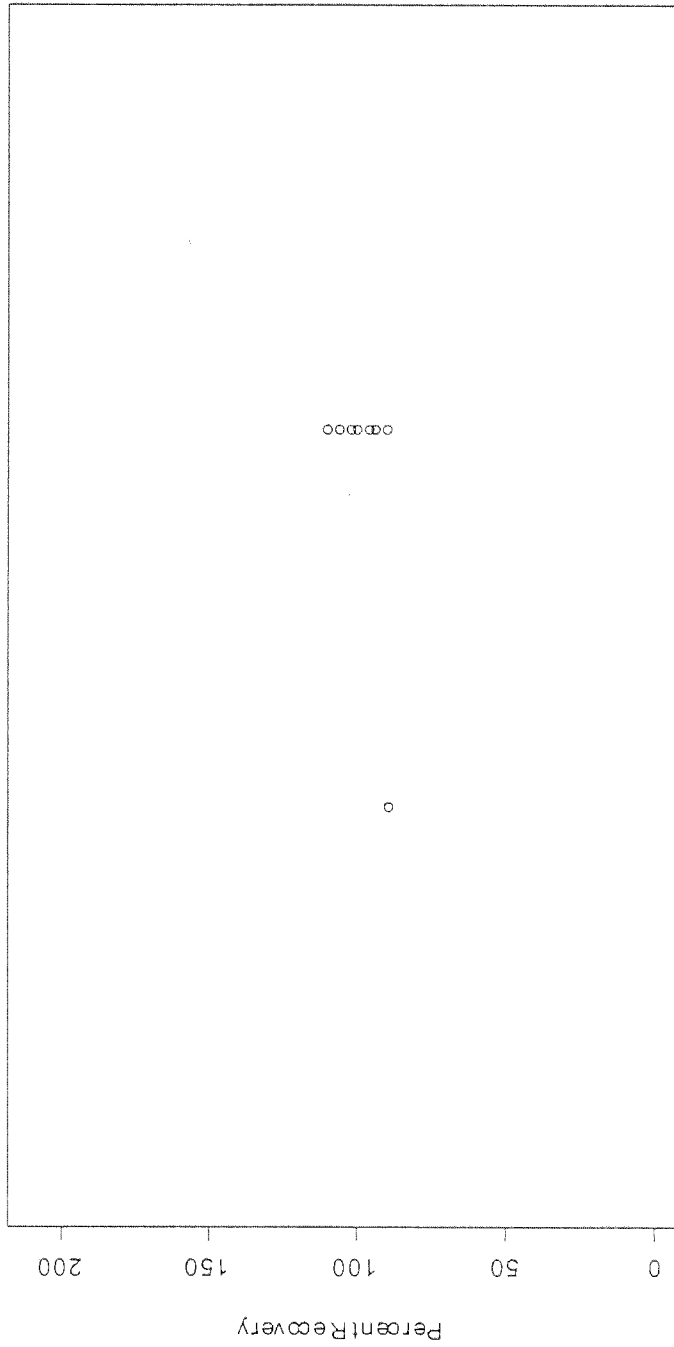
N	28
Min	64.8
Median	96.4
Max	150



1,4-Dioxane

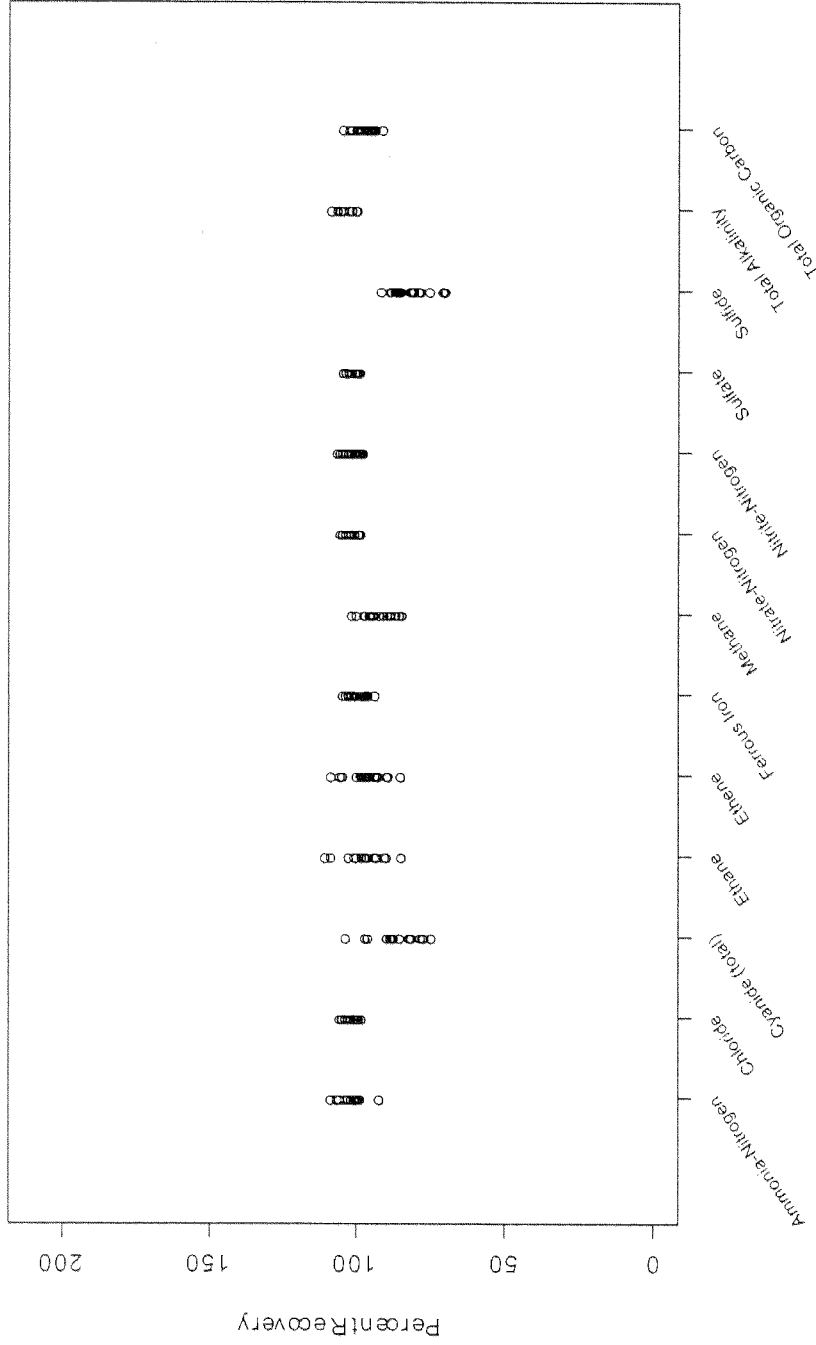
First Quarter 2003 LCS - Percent Recovery for 8011

N	2	10
Min	88.4	88.9
Median	88.4	99
Max	88.4	109



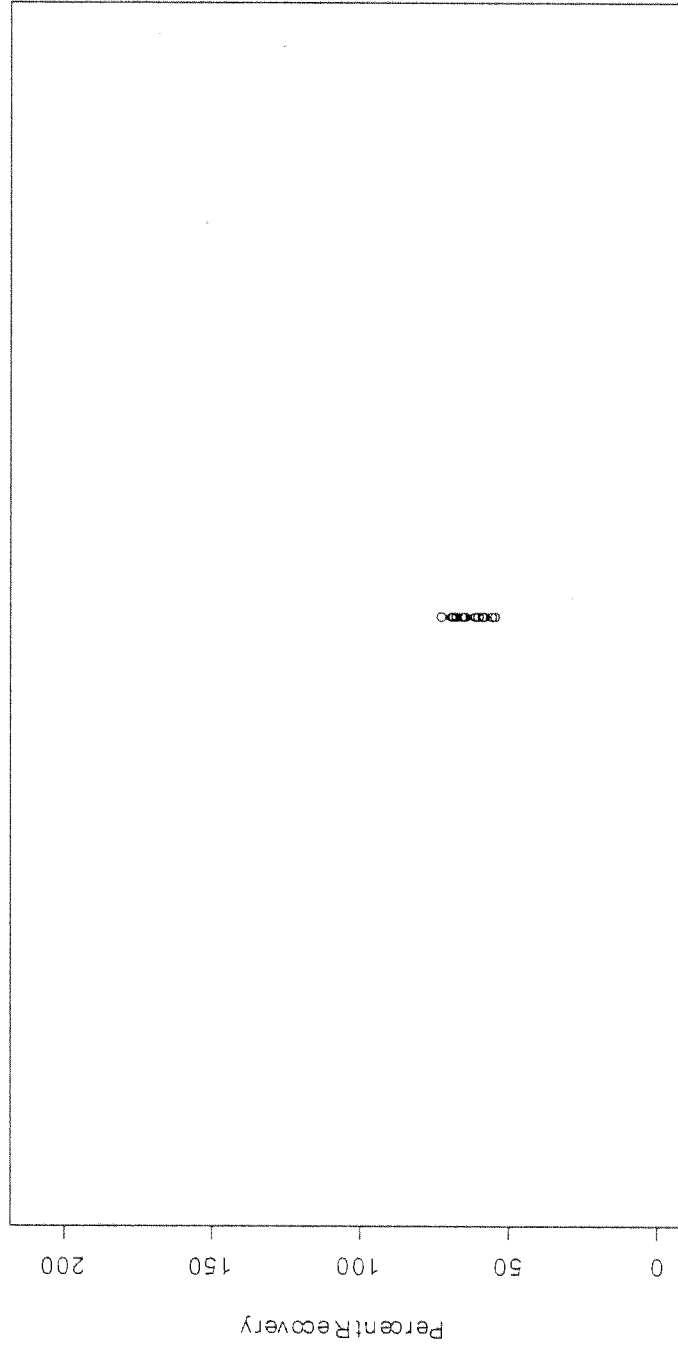
First Quarter 2003 LCS - Percent Recovery for Conventionals

	22	28	16	18	18	24	18	42	42	44	25	22	26
N	22	28	16	18	18	24	18	42	42	44	25	22	26
Min	91.6	97.5	73.9	84	83.8	93	84.2	97.1	98.2	98.2	69.2	99.2	90.5
Median	101	100.5	85.6	97.5	93.4	96.6	96.6	101	101	102	81.2	104	97.8
Max	108	105	103	110	101	104	108	106	104	104	91	108	104



First Quarter 2003 LCS - Percent Recovery for EPH

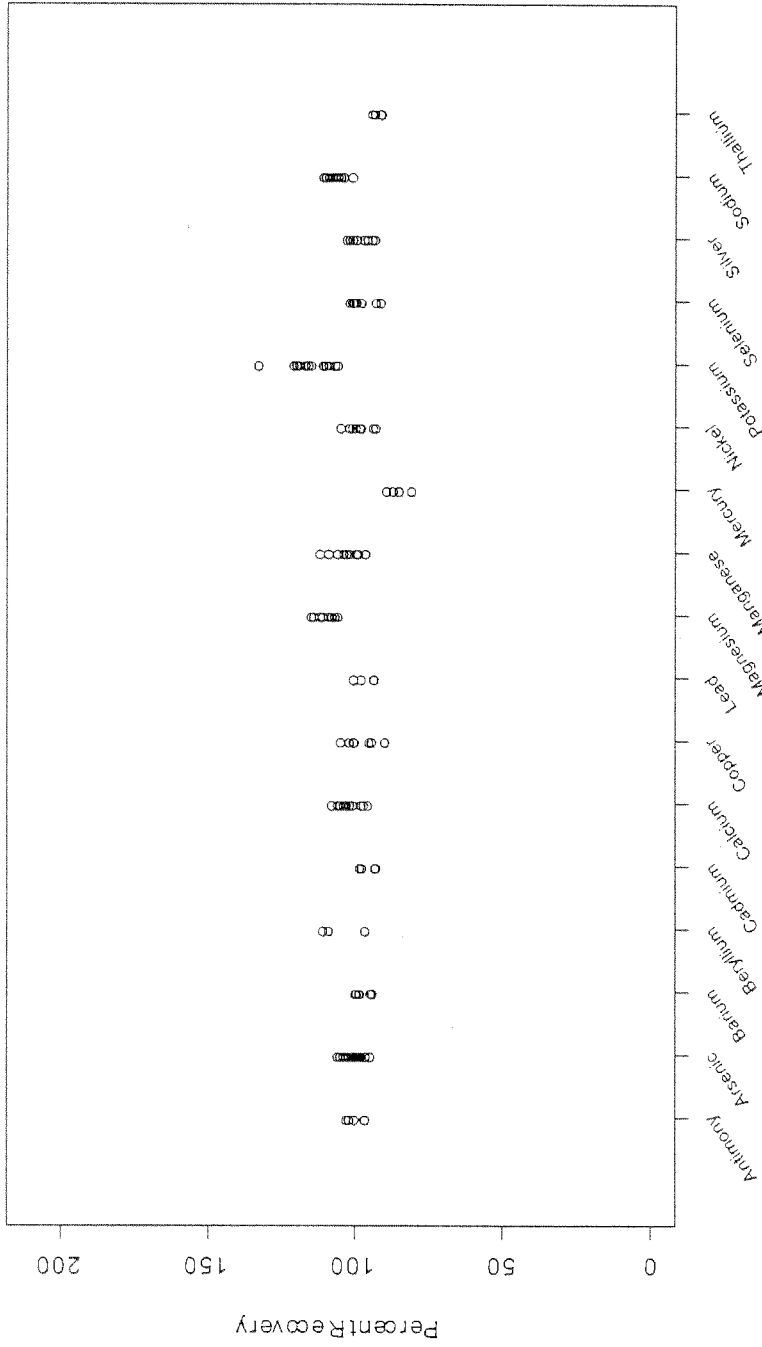
N  
18  
Min  
53.6  
Median  
63.6  
Max  
71.6



Extractable Petroleum Hydrocarbons

First Quarter 2003 LCS - Percent Recovery for Metals

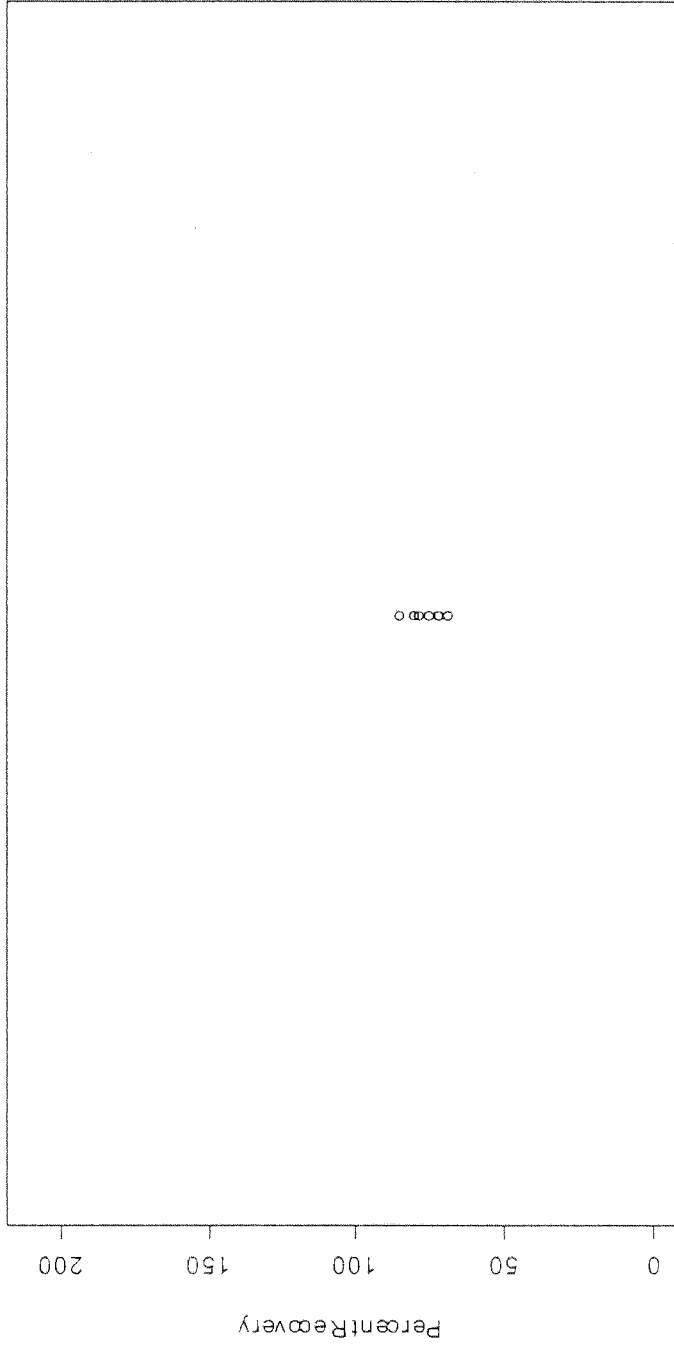
	4	32	8	4	16	30	4	16	4	8	20	8	8	16	4
N	4	32	8	4	16	30	4	16	4	8	20	8	8	16	4
Min	95.8	94	93.1	95.6	91.9	94.8	89	92.6	105	95.4	92.1	105	90.4	92.4	100
Median	100.2	98.7	97.6	101.9	94.6	102	96.8	94.9	107	102	85.2	114.5	97.9	106.5	91.5
Max	102	105	99	110	97.6	107	104	99.6	114	111	88.4	132	101	102	110



First Quarter 2003 LCS - Percent Recovery for NWTPH-DX

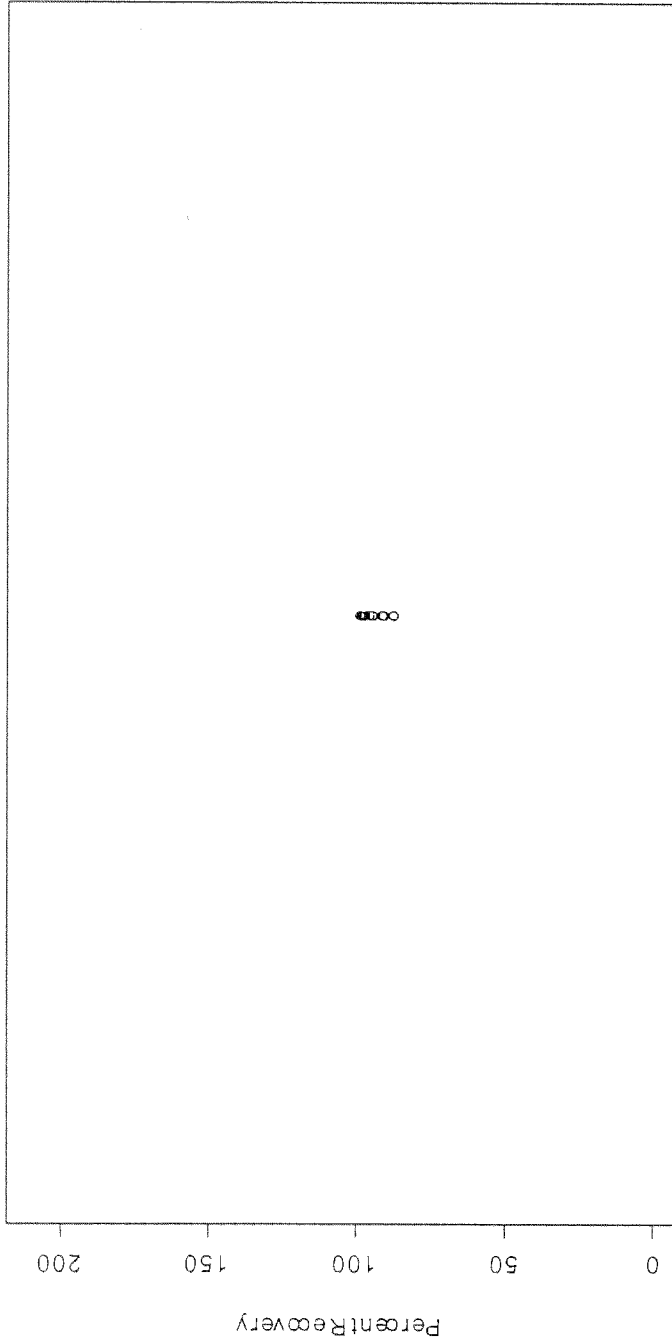
N  
Min  
Median  
Max

8  
68  
76.2  
84.5



First Quarter 2003 LCS - Percent Recovery for NWTPH-GX

N  
10  
Min  
86.7  
Median  
95.6  
Max  
98.2

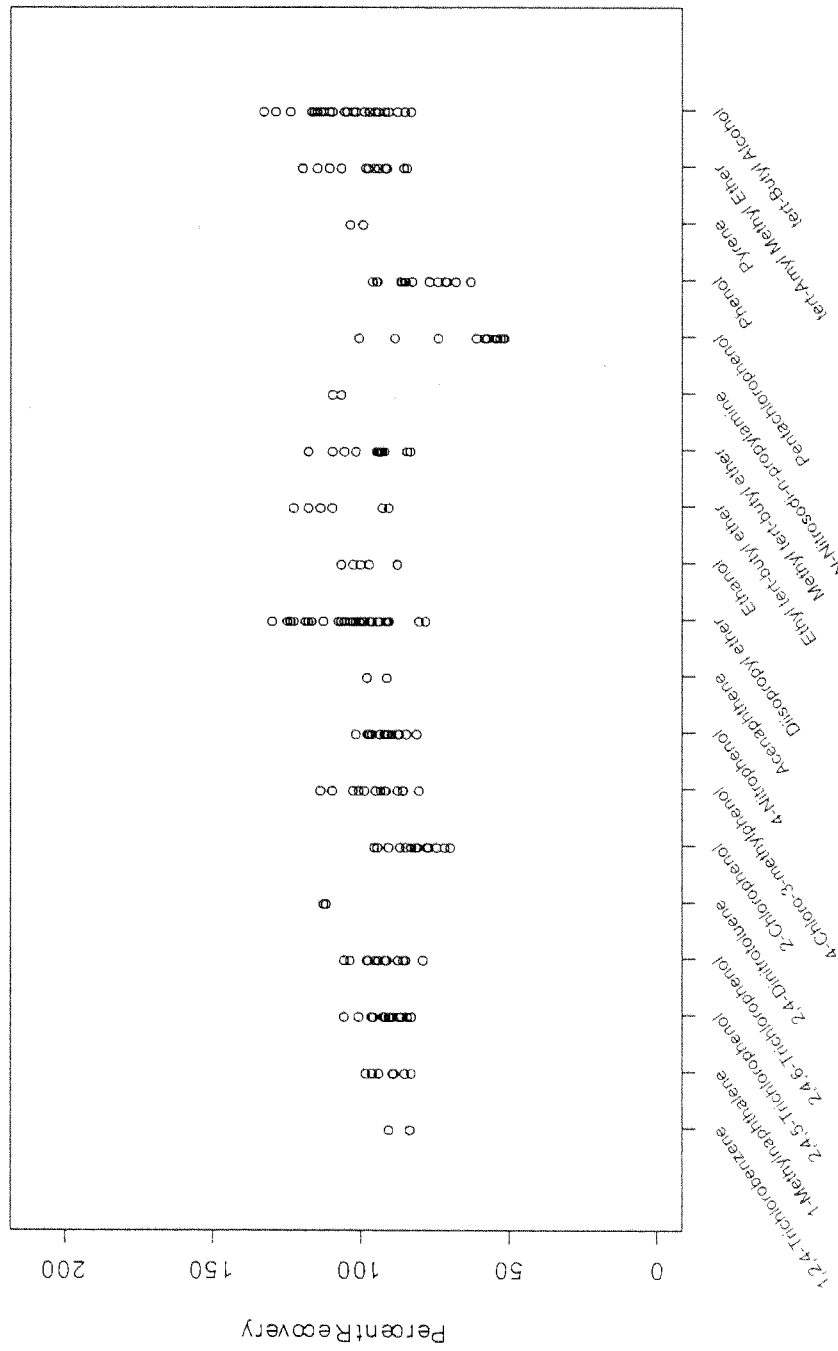


Gasoline Range Hydrocarbons



### First Quarter 2003 LCS - Percent Recovery for Oxygenates

	2	10	14	2	14	2	14	2	14	2	14	2	14	2	14	2	14	30	
N	2	10	14	2	14	2	14	2	14	2	14	2	14	2	14	2	14	30	
Min	82.8	82.2	82.1	78.4	111	69.2	79.7	80.5	90.4	77.5	87	89.9	82.6	106	50.8	62.4	98.6	83.7	82.4
Median	86.3	94.2	89.6	90.8	111.5	81.5	92.6	90.8	93.8	101.5	100.8	111	93.4	107.5	55.6	83	100.8	95.8	105
Max	89.8	97.6	105	105	112	94.8	113	101	97.2	129	106	122	117	109	100	95.3	103	119	132



First Quarter 2003 LCS - Percent Recovery for PCB

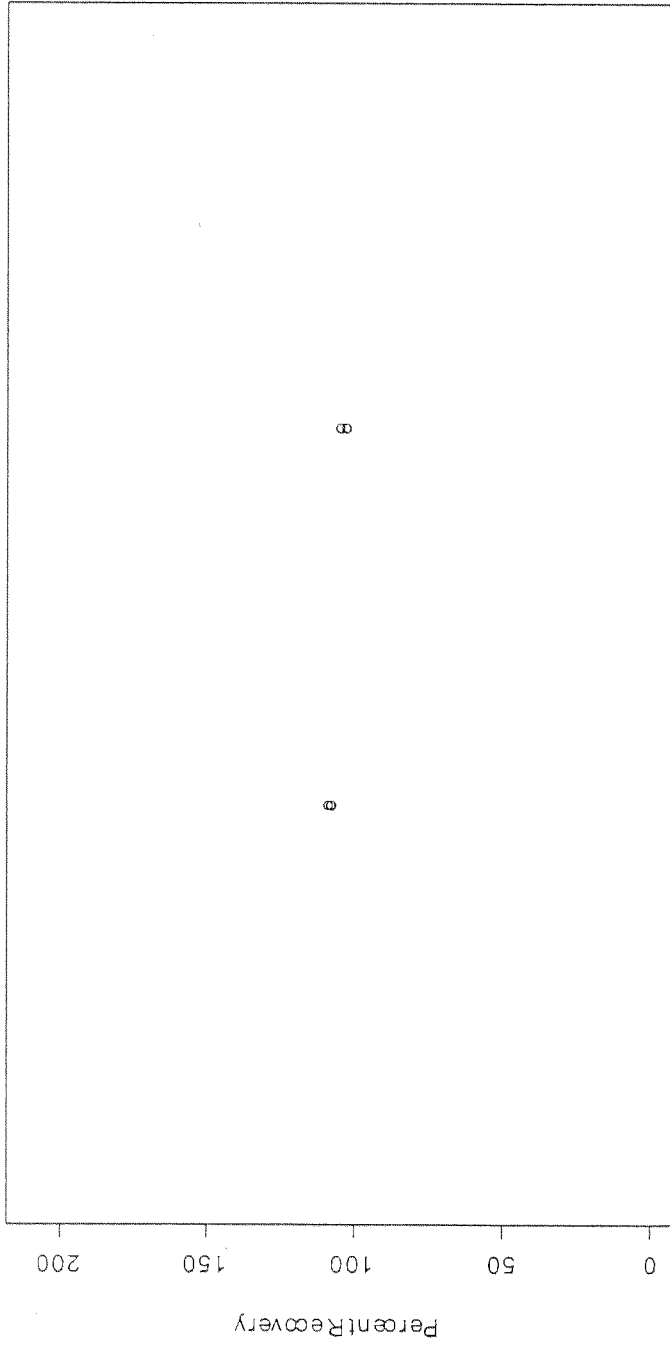
N  
2

Mn  
107

Median  
107.5

Max  
108

2  
102  
103  
104

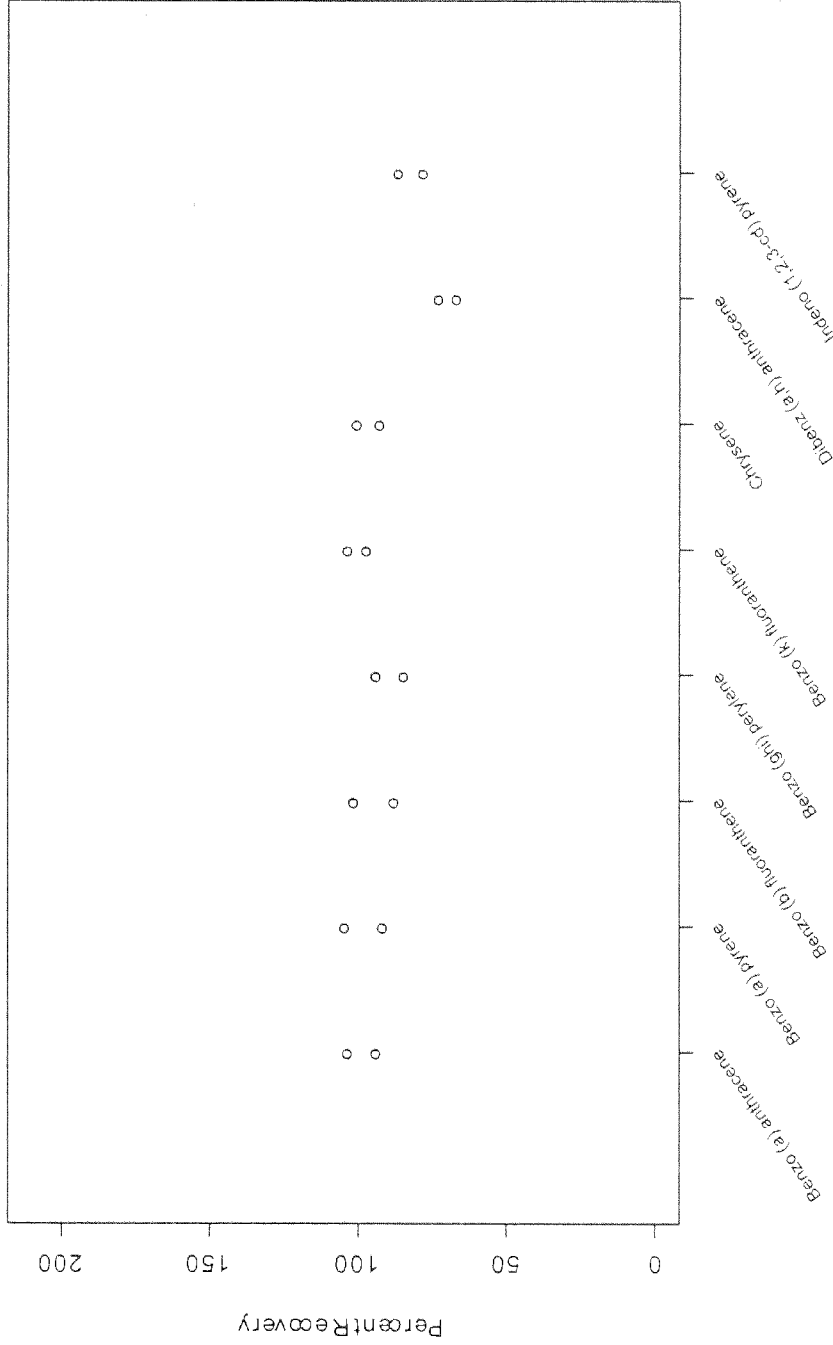


Anchor 1260

Anchor 1016

First Quarter 2003 LCS - Percent Recovery for SVOC-SIM

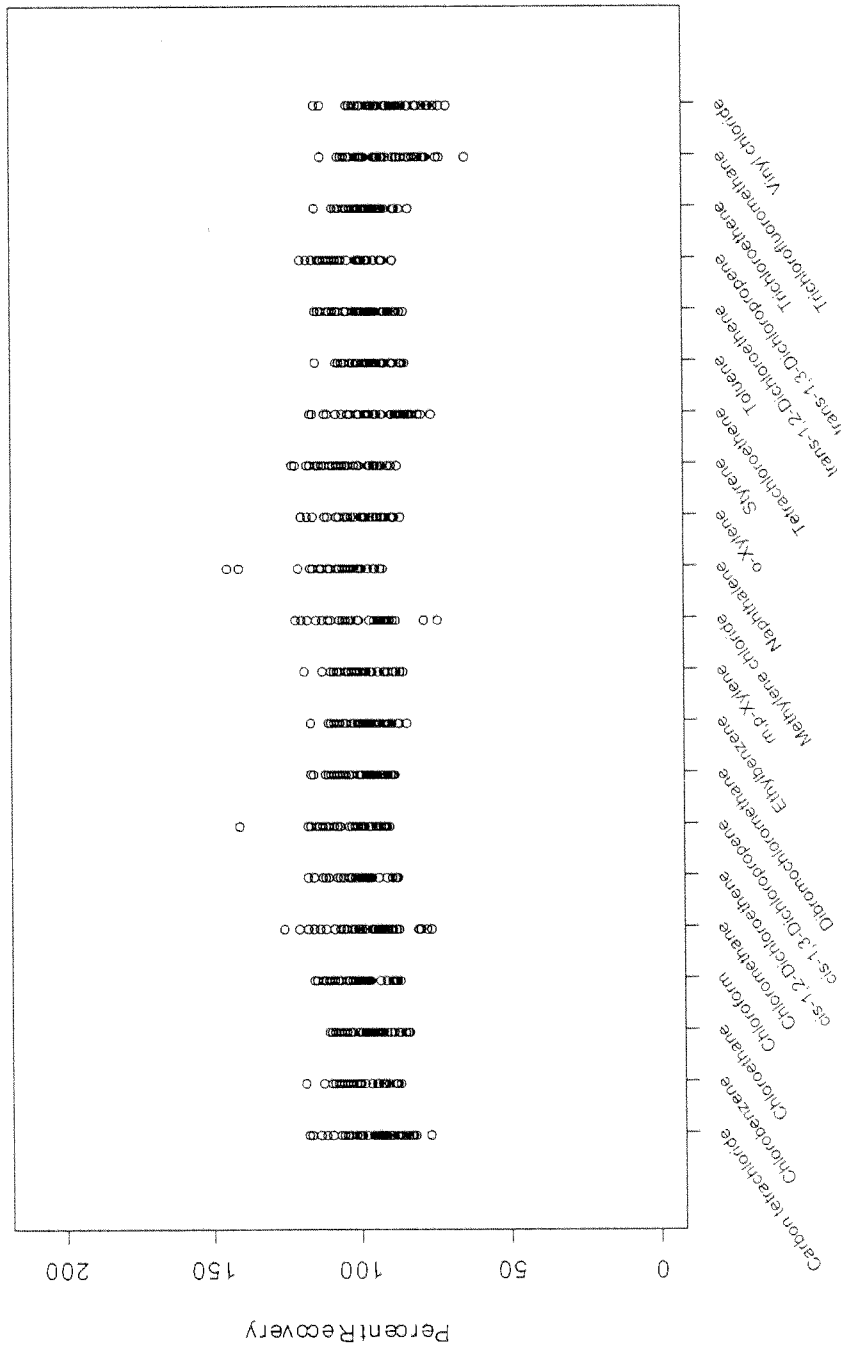
	2	2	2	2	2	2	2
N	2	2	2	2	2	2	2
Min	93.5	91.4	87.4	96.7	92.4	66.3	77.7
Median	98.2	97.7	94.2	99.8	96.2	69.4	81.9
Max	103	104	101	103	100	72.4	86.1





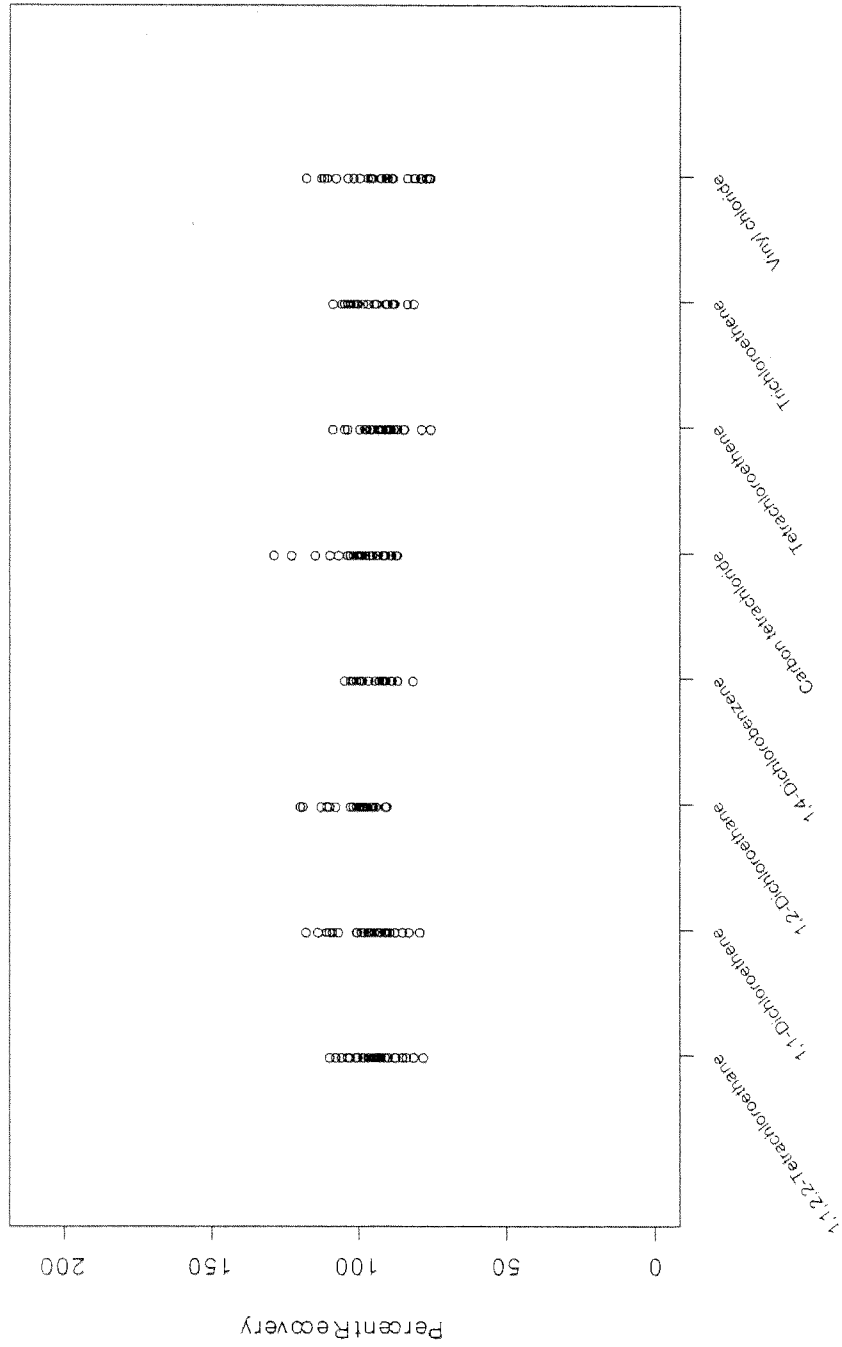
First Quarter 2003 LCS - Percent Recovery for VOC (continued)

N	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	
Min	76	86	83	86	75.4	86.5	89.5	87.5	83.5	84.8	73.1	91.6	85.5	86.5	75	83.8	84.2	87.6	82.5	63.4	69.5
Median	94	101	95.5	100.5	99.4	102.5	102.5	98.2	100	100	102.5	99.8	104	93.8	96.8	97.5	105	97.2	90.4	92.6	114
Max	117	118	110	115	125	117	140	116	116	118	121	144	119	122	116	114	114	119	114	112	114



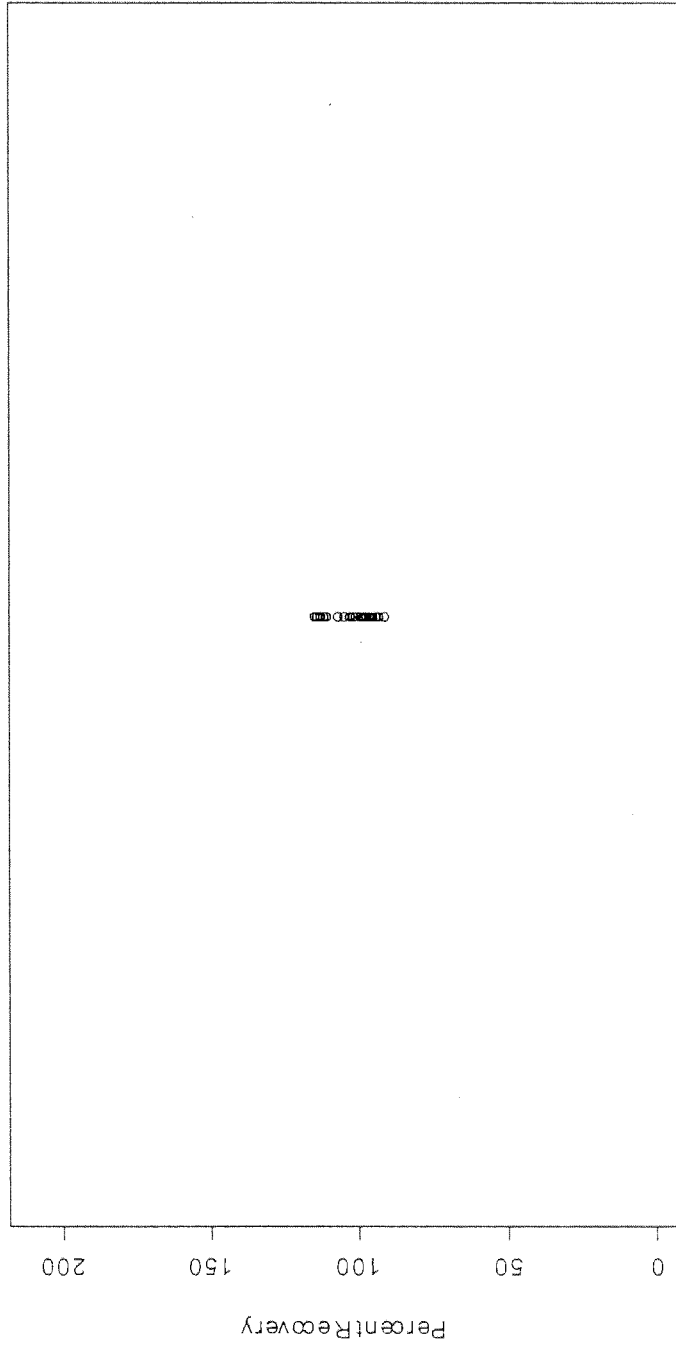
First Quarter 2003 LCS - Percent Recovery for VOC-SIM

	30	30	30	30	30	30	30
N	30	30	30	30	30	30	30
Min	77.1	78.4	89.6	80.8	86	74.7	74.8
Median	94.2	95.9	97.8	94.9	98.7	90.6	93.1
Max	109	117	119	104	128	108	117



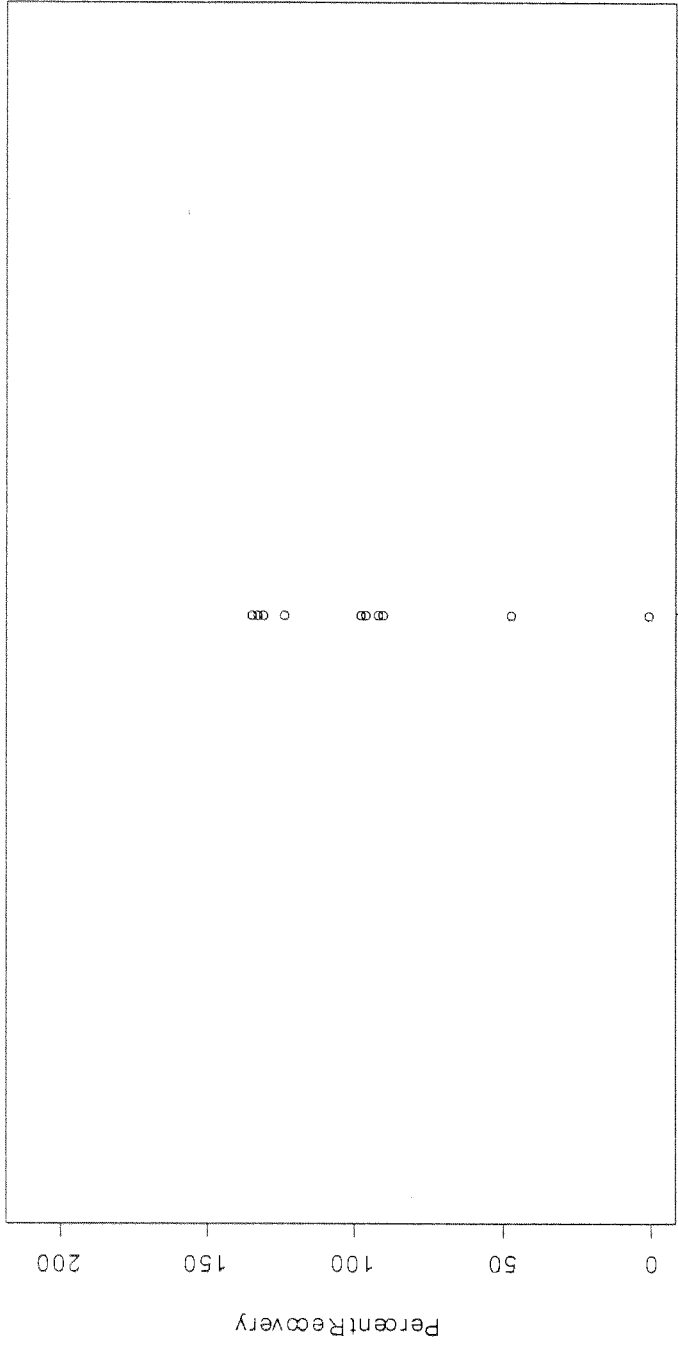
First Quarter 2003 LCS - Percent Recovery for VPH

N	26
Min	90.5
Median	98.5
Max	114



First Quarter 2003 Matrix Spike - Percent Recovery for 1,4-Dioxane

N	11
Min	0
Median	95.3
Max	134



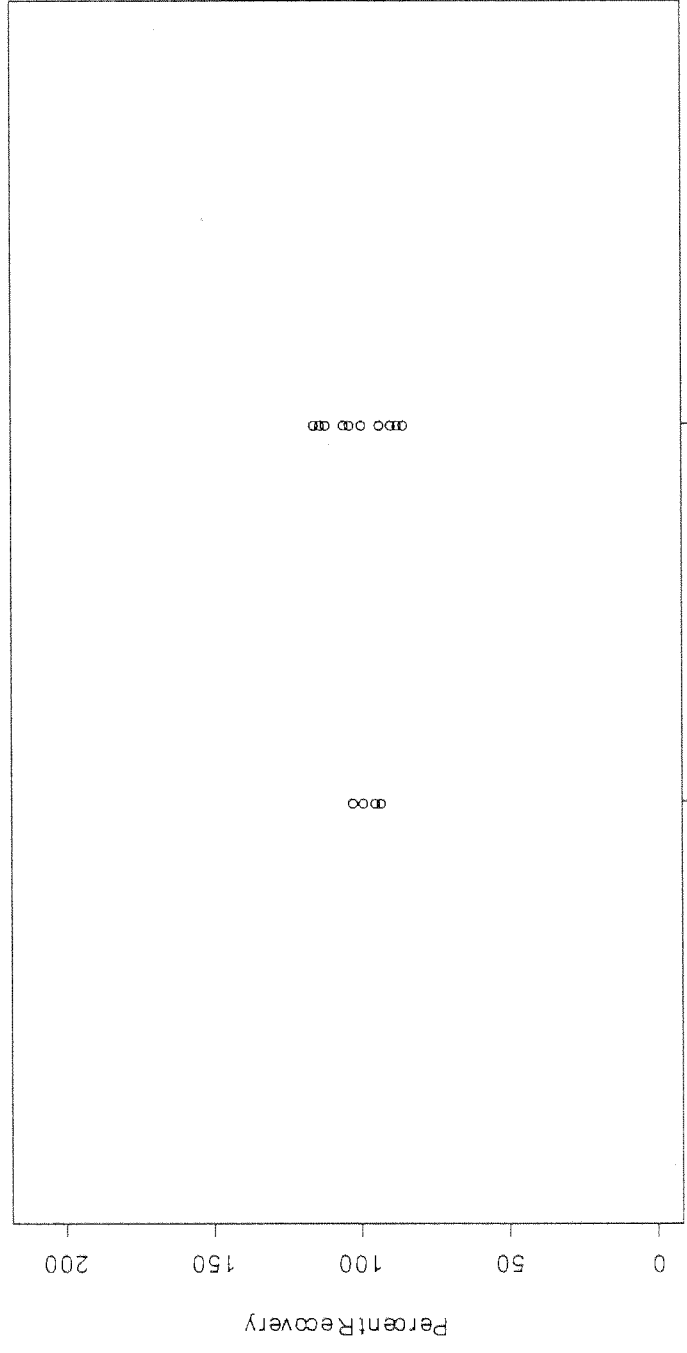
1,4-Dioxane



First Quarter 2003 Matrix Spike - Percent Recovery for 8011

N	12
Min	84.8
Median	101
Max	115

N	4
Min	92.4
Median	96.4
Max	102

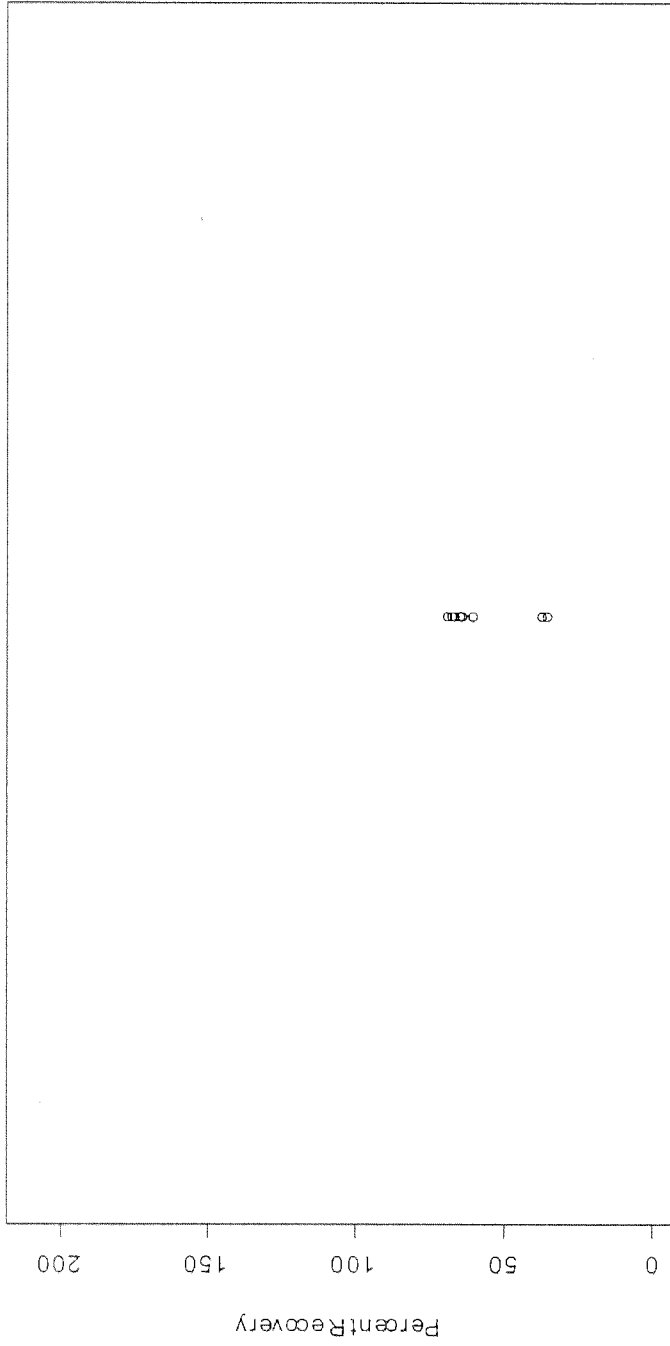


1,2-Dibromoethane (DBE)

1,2-Dibromo-3-chloropropane

First Quarter 2003 Matrix Spike - Percent Recovery for EPH

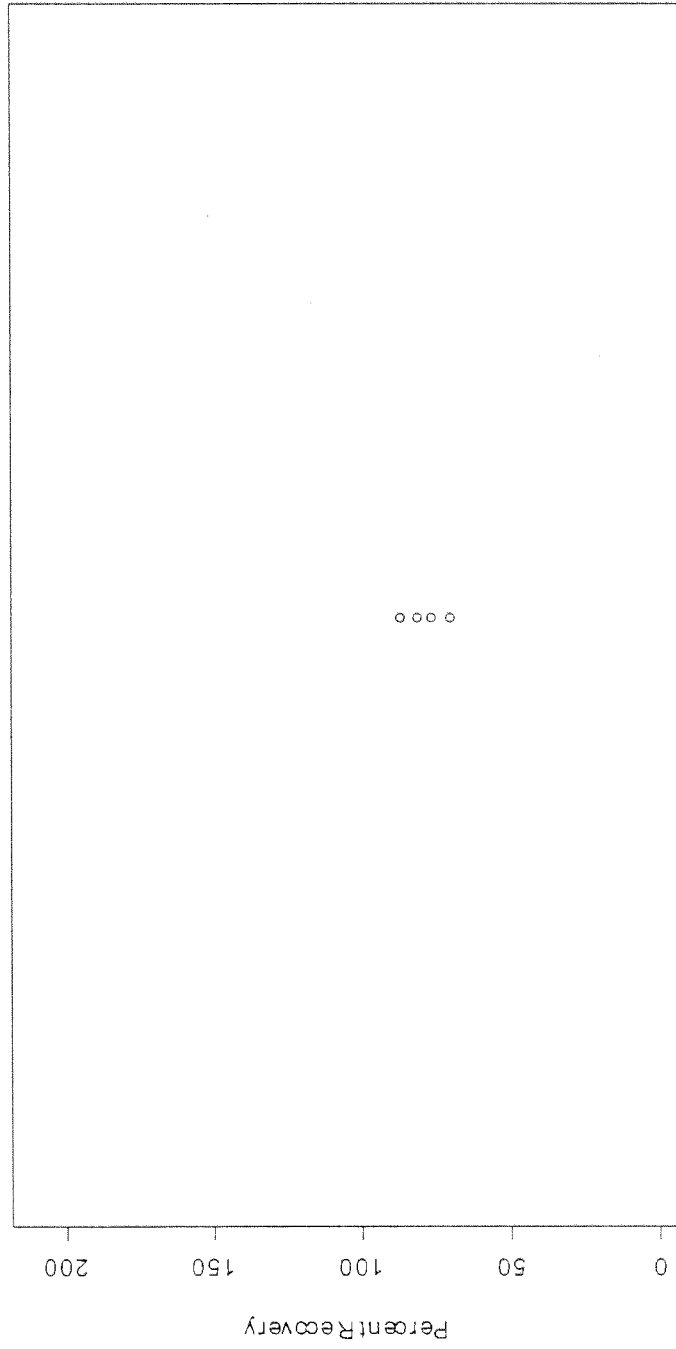
N 8  
Min 34.6  
Median 63.4  
Max 68



Extractable Petroleum Hydrocarbons

First Quarter 2003 Matrix Spike - Percent Recovery for NWTPH-DX

N	4
Min	69.1
Median	77.8
Max	85.9

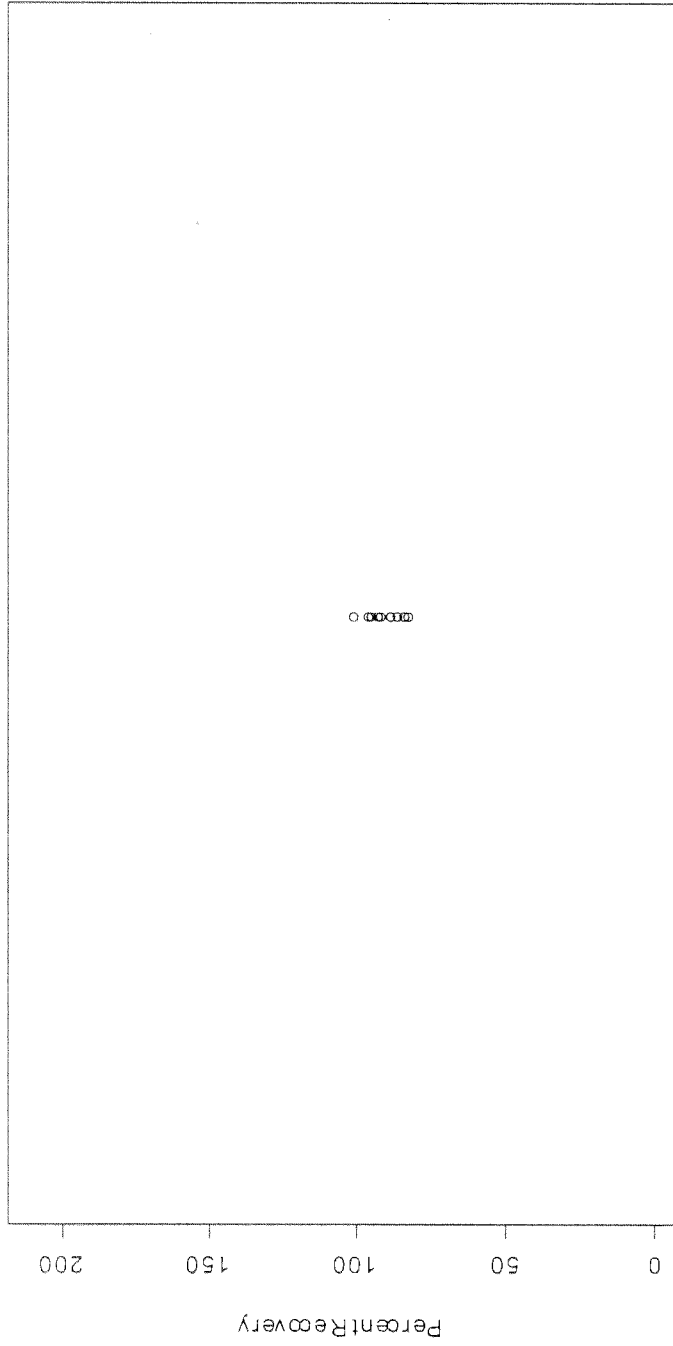


Diesel Range Hydrocarbons

First Quarter 2003 Matrix Spike - Percent Recovery for NWTPH-GX

N  
Min  
Median  
Max

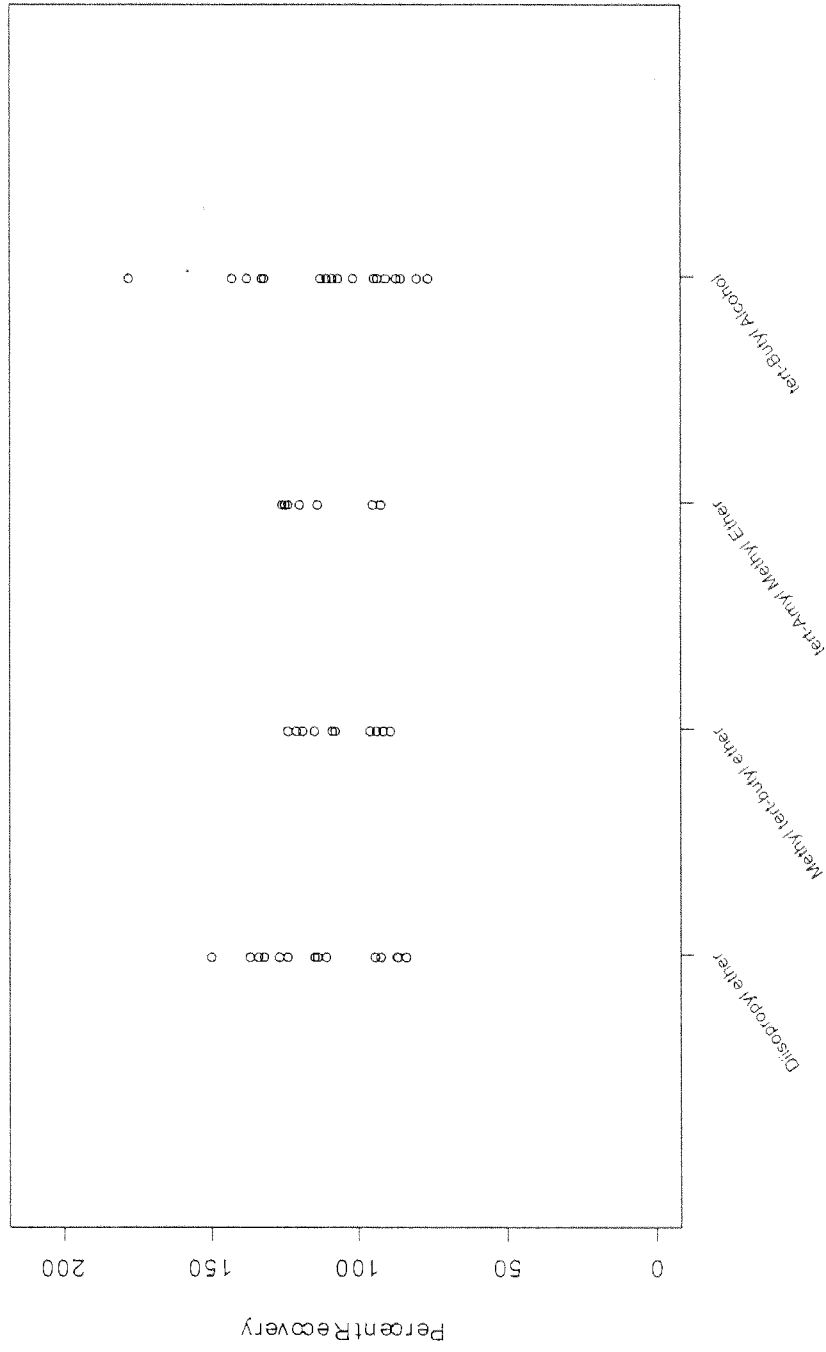
10  
81.6  
91.3  
100



Gasoline Range Hydrocarbons

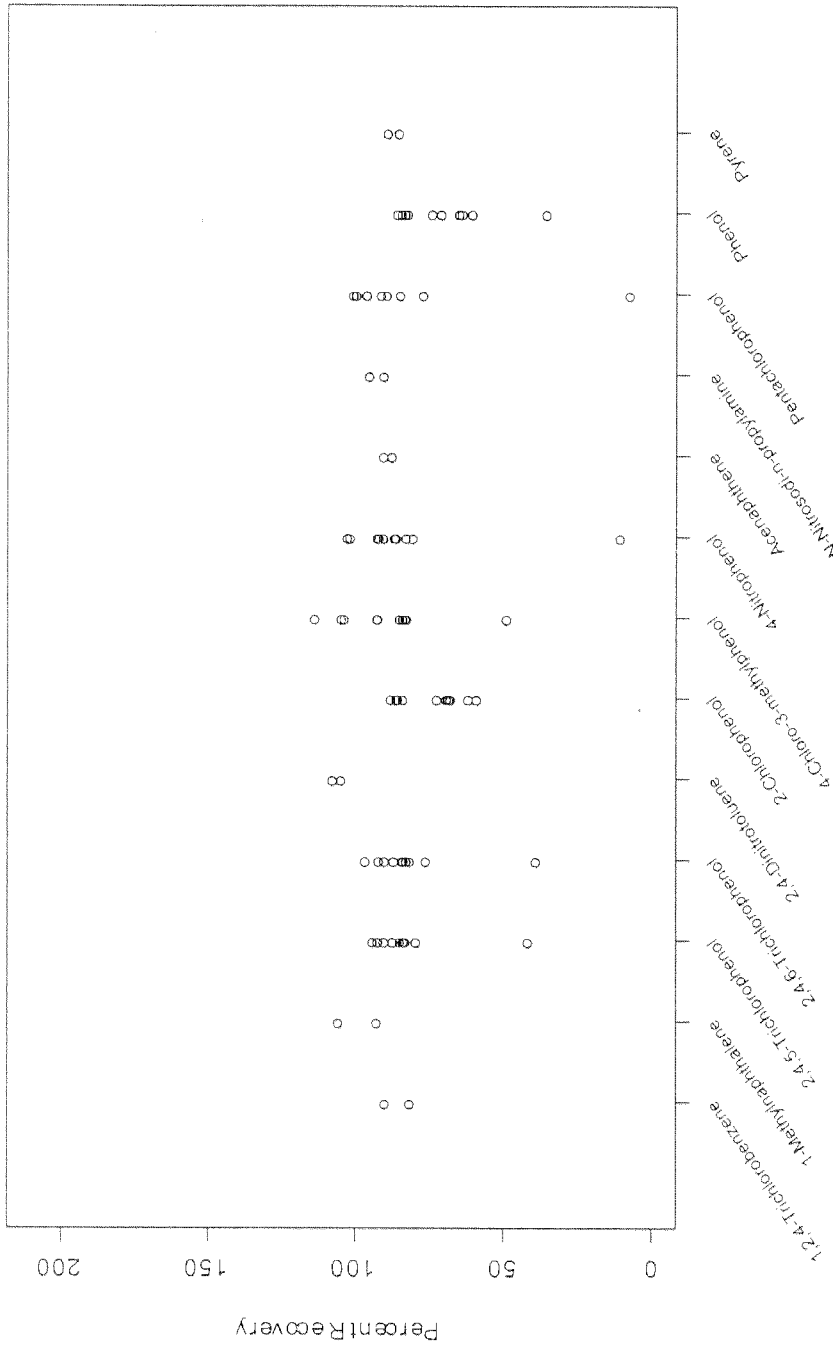
First Quarter 2003 Matrix Spike - Percent Recovery for Oxygenates

	Diisopropyl ether	Methyl tert-butyl ether	tert-Butyl Methyl Ether	tert-Butyl Alcohol
N	18	10	8	18
Min	83.1	88.4	91.7	75.8
Median	113.5	107.5	116	107
Max	149	123	125	177



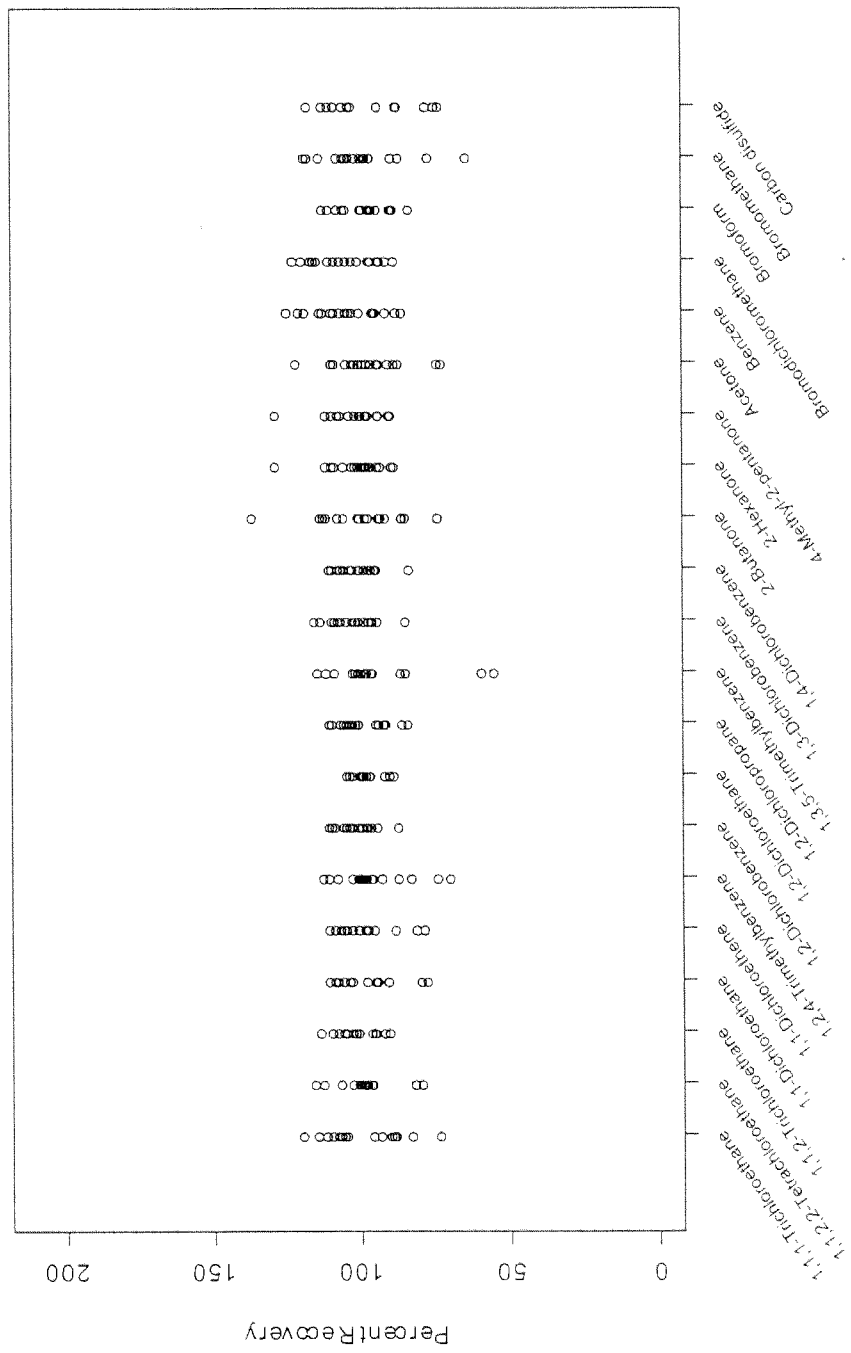
### First Quarter 2003 Matrix Spike - Percent Recovery for SVOC

N	2	10	2	10	2	10	2	10	2	10	2
Min	80.8	92	104	58.2	48.2	9.81	86.9	89.7	6.59	34.9	84.7
Median	85	98.5	105.5	70.1	88	87.9	88.4	92.2	89.6	71.8	86.6
Max	89.2	105	107	87.3	113	102	89.8	94.6	100	85.2	88.4



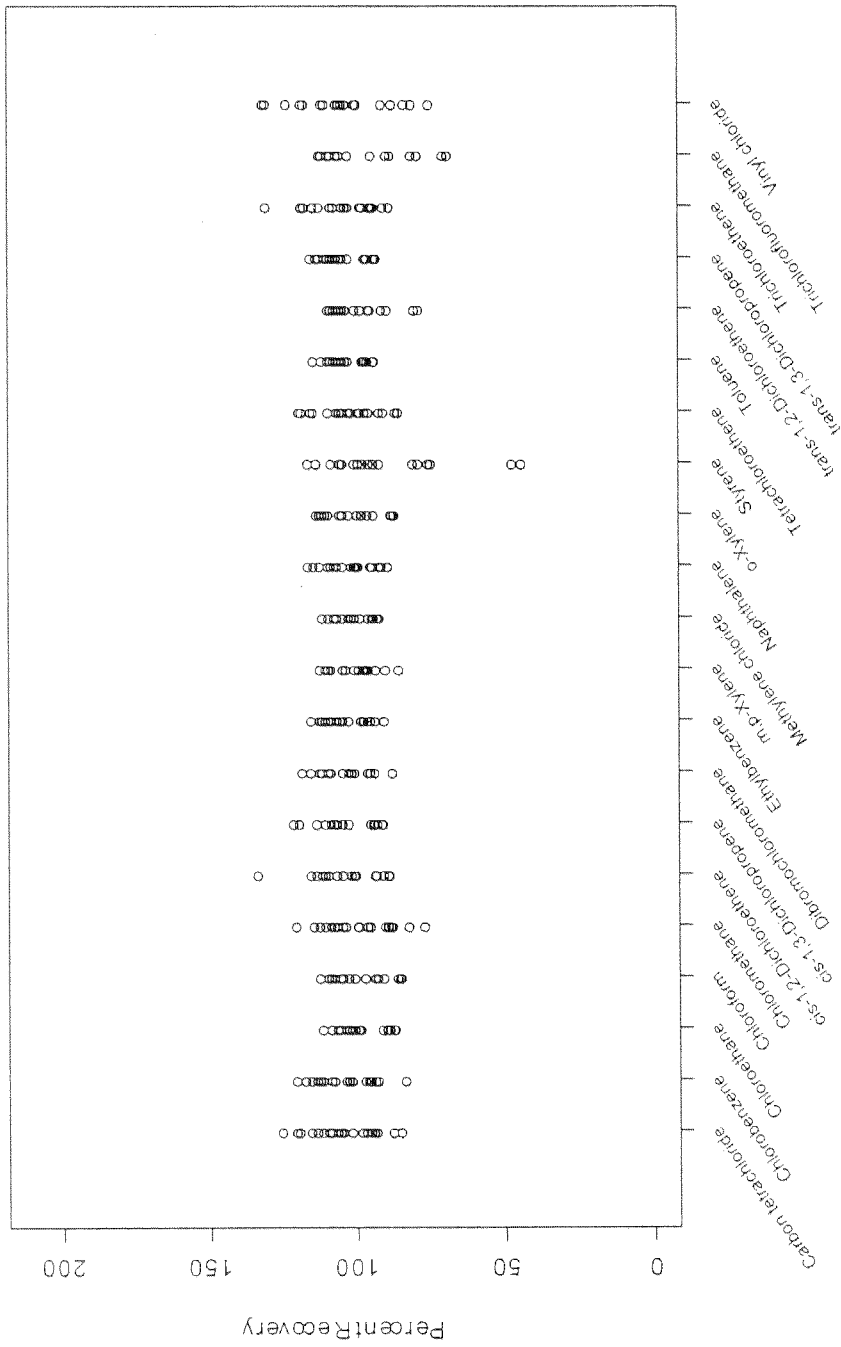
First Quarter 2003 Matrix Spike - Percent Recovery for VOC

	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
N	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
Min	72.6	78.7	89.6	76.8	77.7	69.1	86.4	88	83.2	54.4	84	82.9	73	87.8	89	72	85.1	87.7	82.6	63.4	72.6
Median	104.5	98.6	102	103	101	97.8	101	98.6	102	99	100.5	99.8	97.1	99.4	99.2	96.2	103.5	103	97.4	102	104
Max	119	115	113	110	112	110	104	110	114	114	115	110	136	128	128	121	124	122	112	118	117



First Quarter 2003 Matrix Spike - Percent Recovery for VOC (continued)

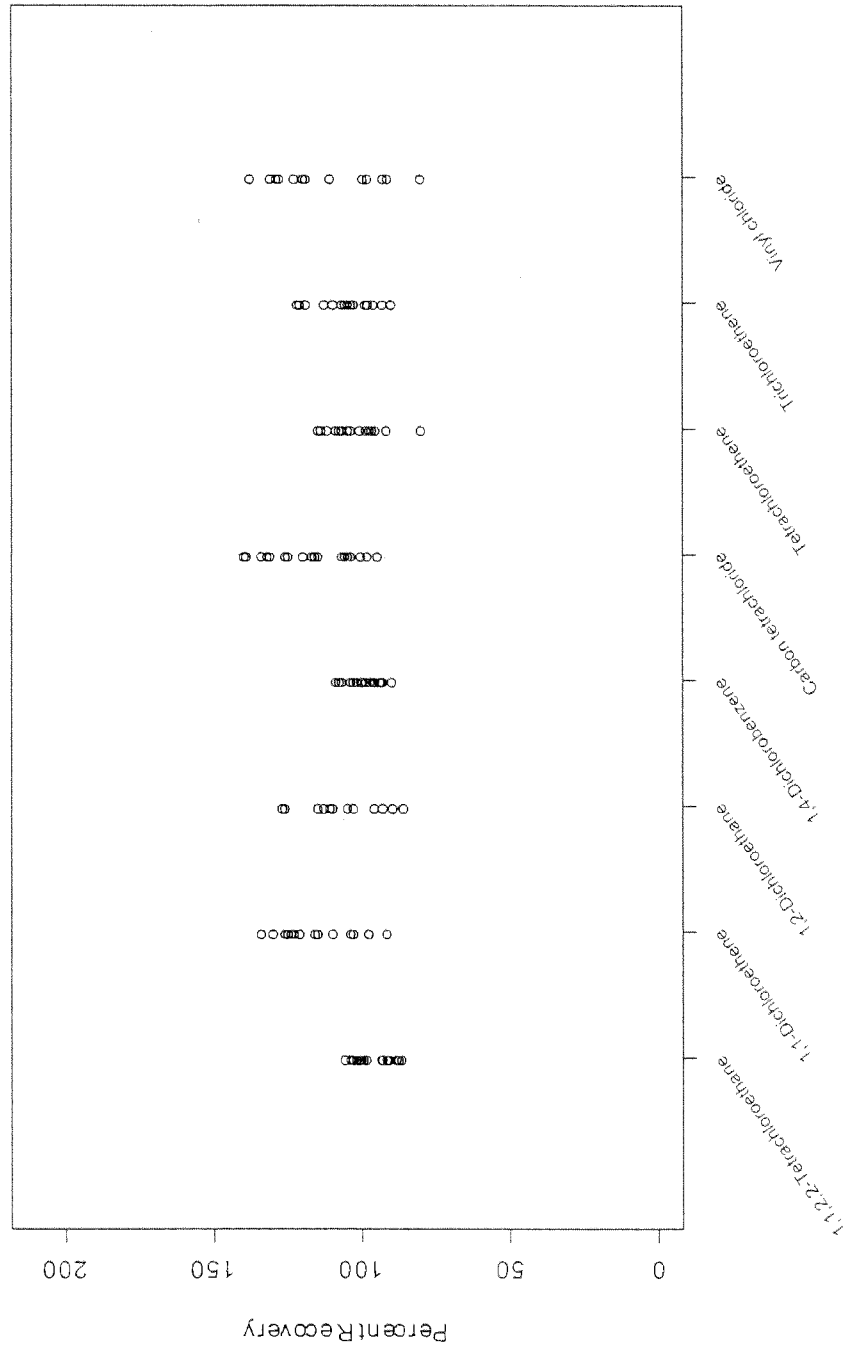
	20	20	20	20	20	20	20	20	20	20	20	20	20	20							
N	20	20	20	20	20	20	20	20	20	20	20	20	20	20							
Min	84.2	82.9	86.2	84	76.3	88	90.2	87.2	89.9	85	91.5	88.4	86.3	43.4	85	93	78.1	92.3	87.9	68.3	74.5
Median	105.5	103	101.5	103	101	102.5	105	103	101.5	103	101.5	100.5	103	97.9	101.5	103.5	103	105.5	103	102	105.5
Max	125	120	111	112	120	133	121	118	115	112	111	116	113	116	119	114	109	115	130	112	131





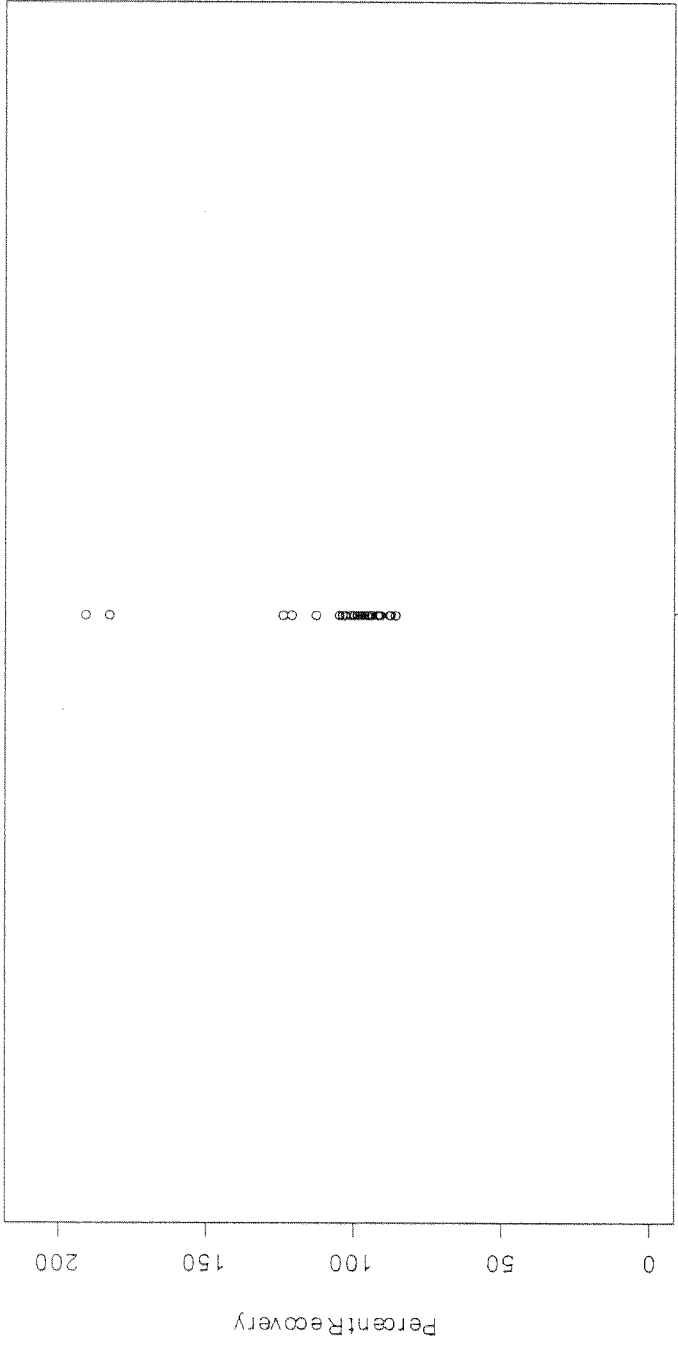
First Quarter 2003 Matrix Spike - Percent Recovery for VOC-SIM

	18	18	18	18	18	18	18
N	18	18	18	18	18	18	18
Min	85.8	90.7	85.2	89.1	94	89.4	79.4
Median	98.1	117.5	109.5	98.4	115.5	103.5	120.5
Max	105	133	126	108	139	114	137



First Quarter 2003 Matrix Spike - Percent Recovery for VPH

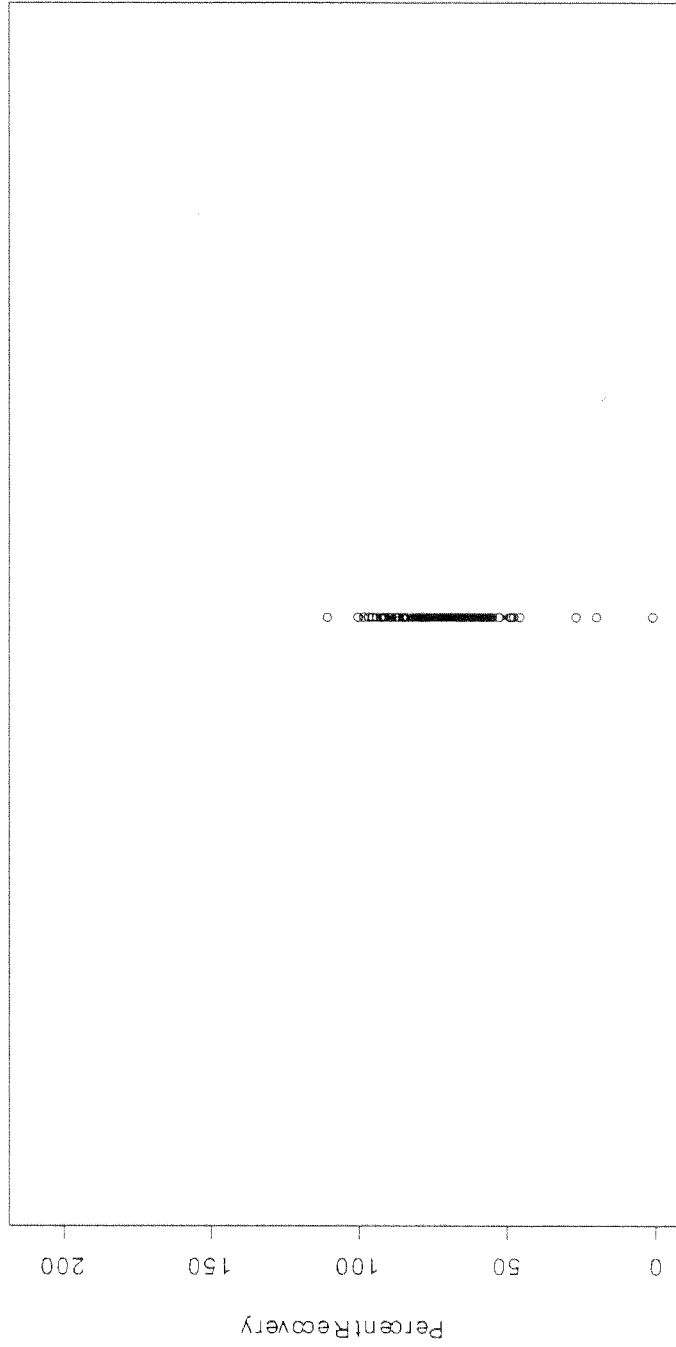
N 26  
Min 85  
Median 98.5  
Max 190



Total VPH (7/PH)

# First Quarter 2003 Surrogate - Percent Recovery for 1,4-Dioxane

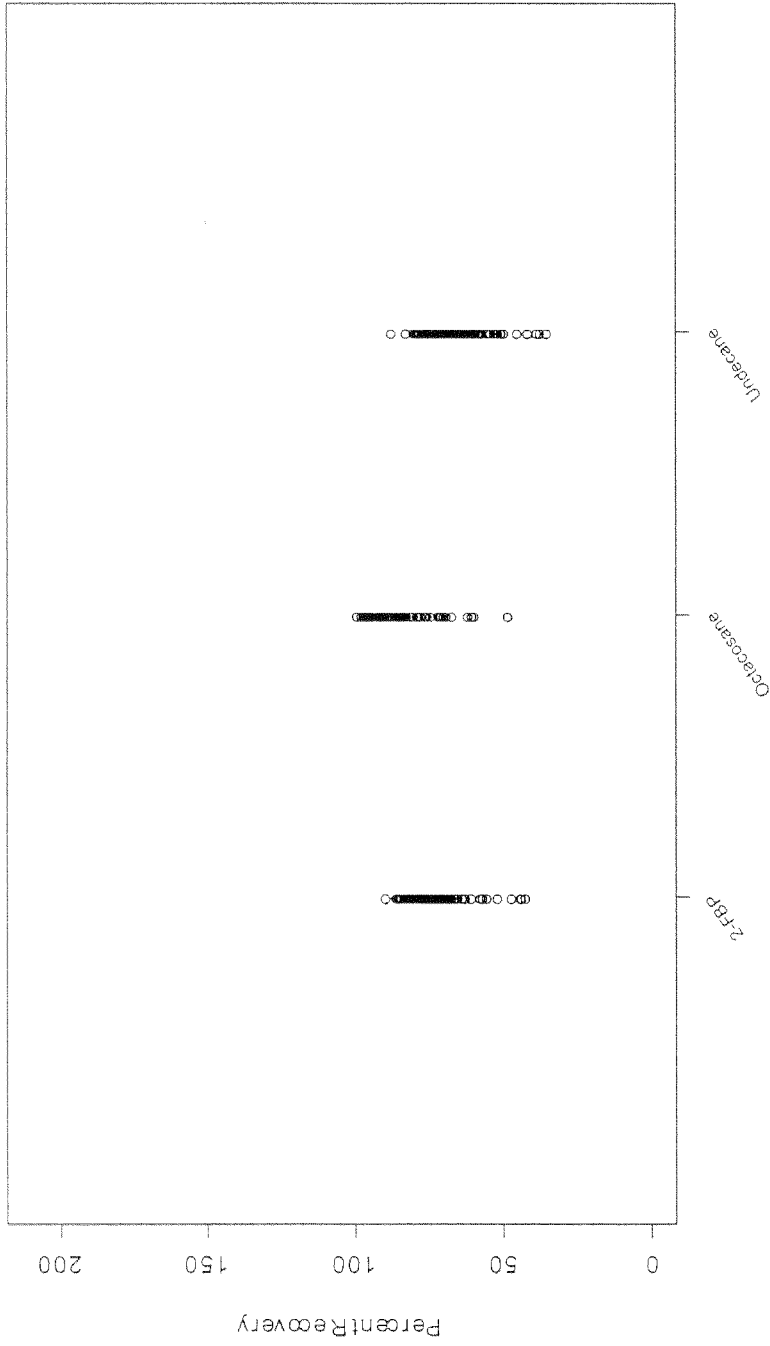
N  
178  
Min  
0  
Median  
68  
Max  
110



1,4-Dioxane-d8

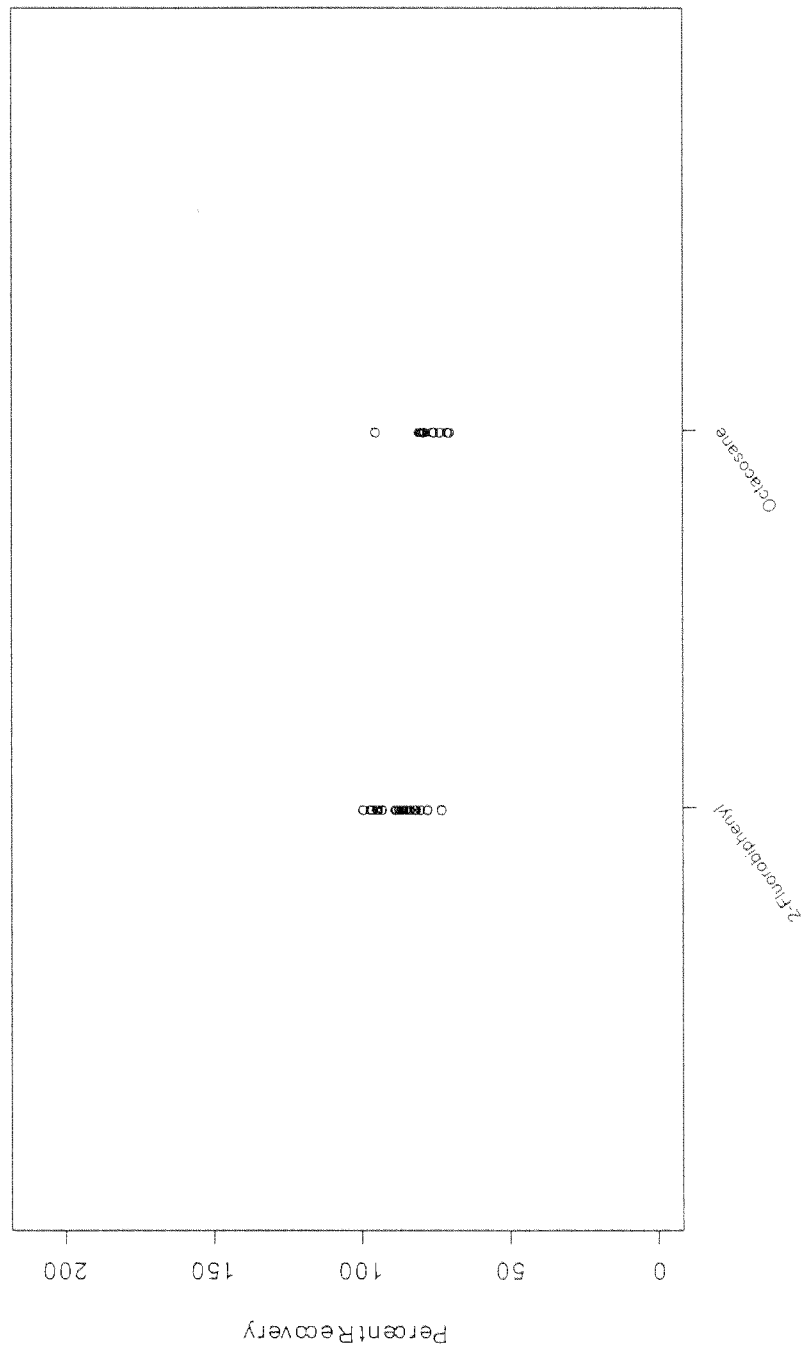
First Quarter 2003 Surrogate - Percent Recovery for EPH

	2-FBP	Oxycodone	Urethane
N	110	110	110
Min	41.7	47.5	34.4
Median	74.2	84.8	68.1
Max	88.9	98.7	87



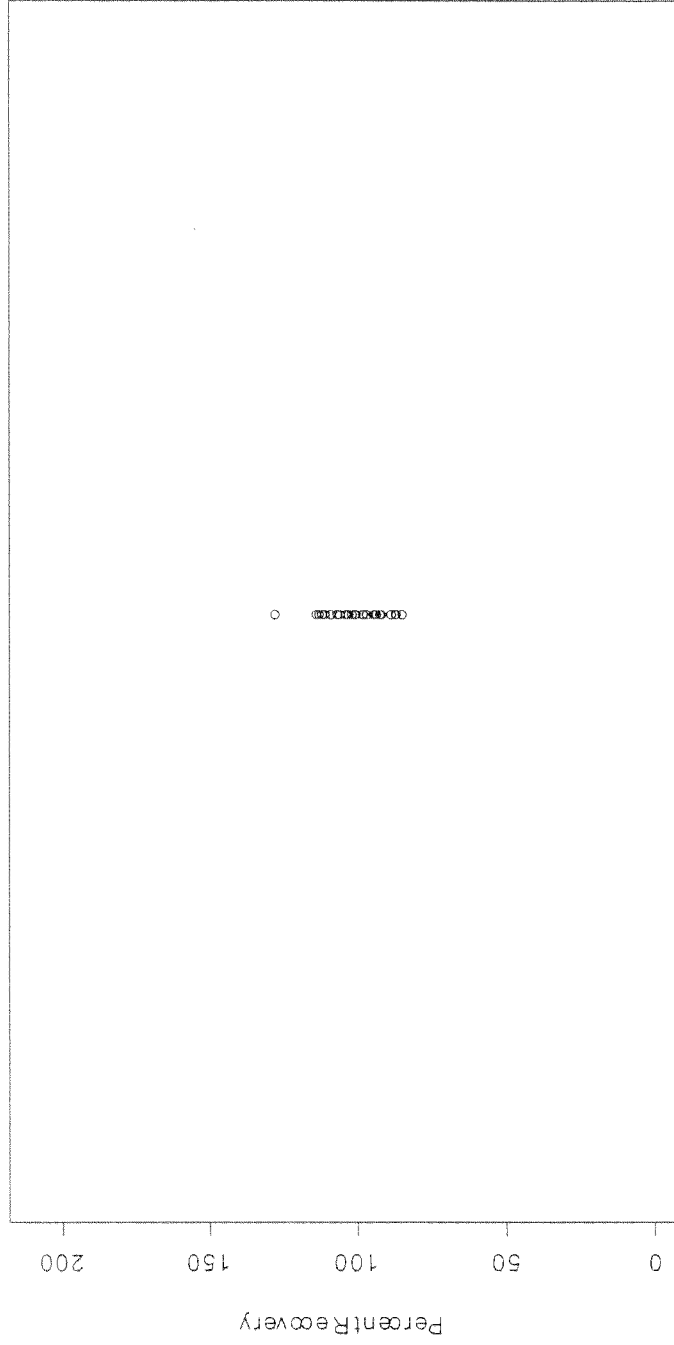
First Quarter 2003 Surrogate - Percent Recovery for NWTPH-DX

N	24	12
Min	72.2	69.4
Median	87.9	78.4
Max	98.8	94.7



First Quarter 2003 Surrogate - Percent Recovery for NWTPH-GX

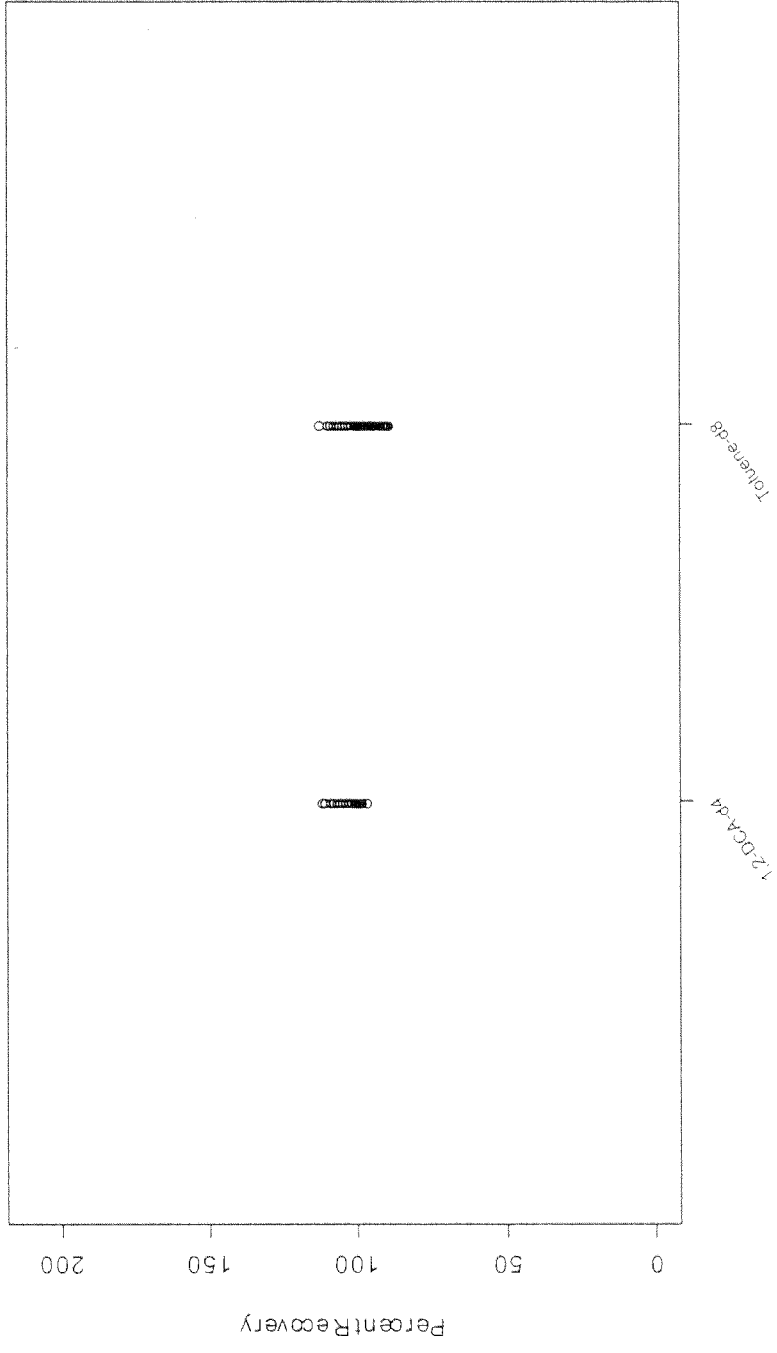
N 39  
Min 84  
Median 100  
Max 127



487.8

# First Quarter 2003 Surrogate - Percent Recovery for Oxygenates

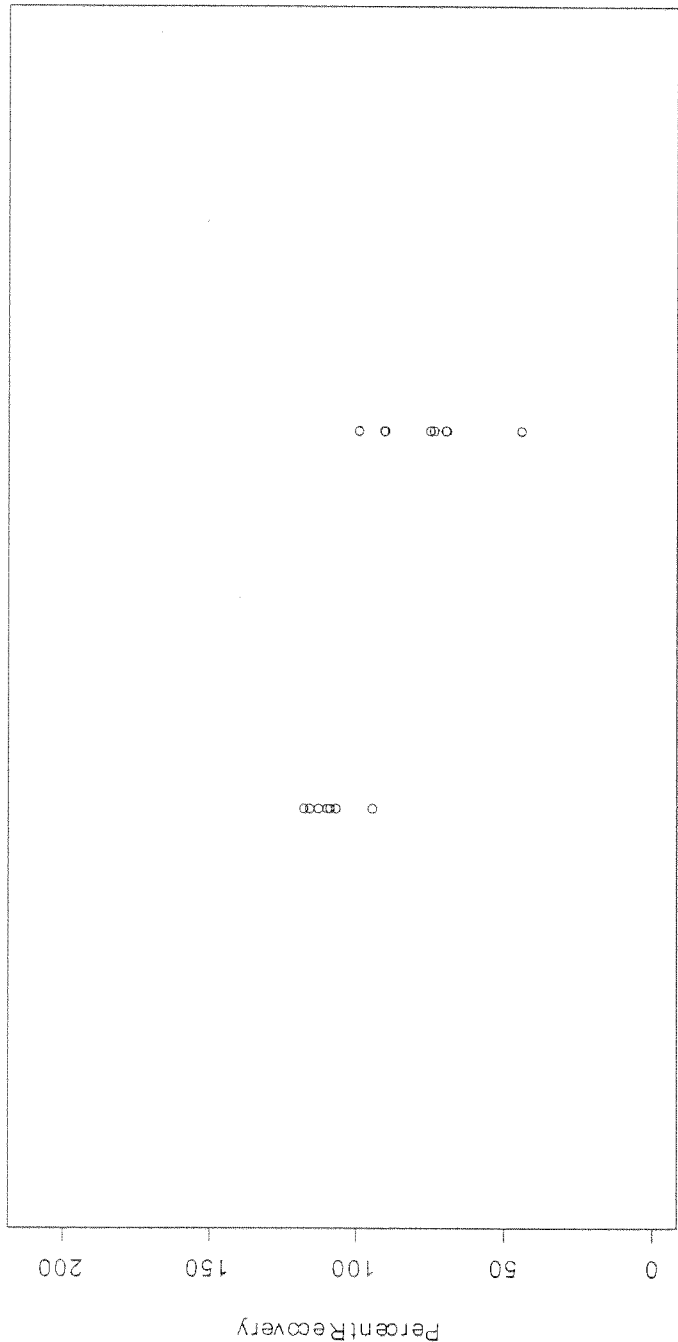
N	149	149
Min	96	88.5
Median	102	102
Max	111	112



First Quarter 2003 Surrogate - Percent Recovery for PCB

N	8
Min	93.8
Median	108.5
Max	117

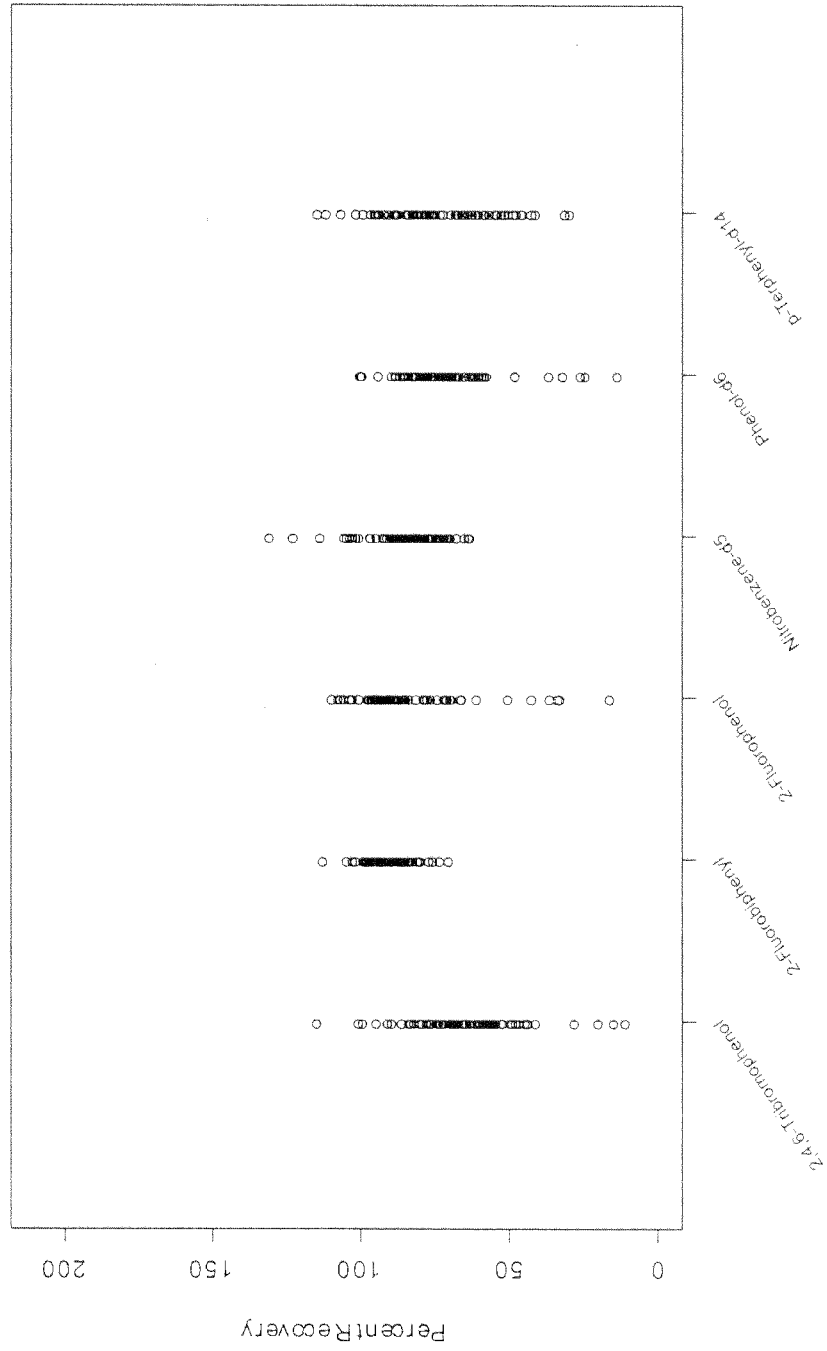
8	43.4
73.7	
98.4	





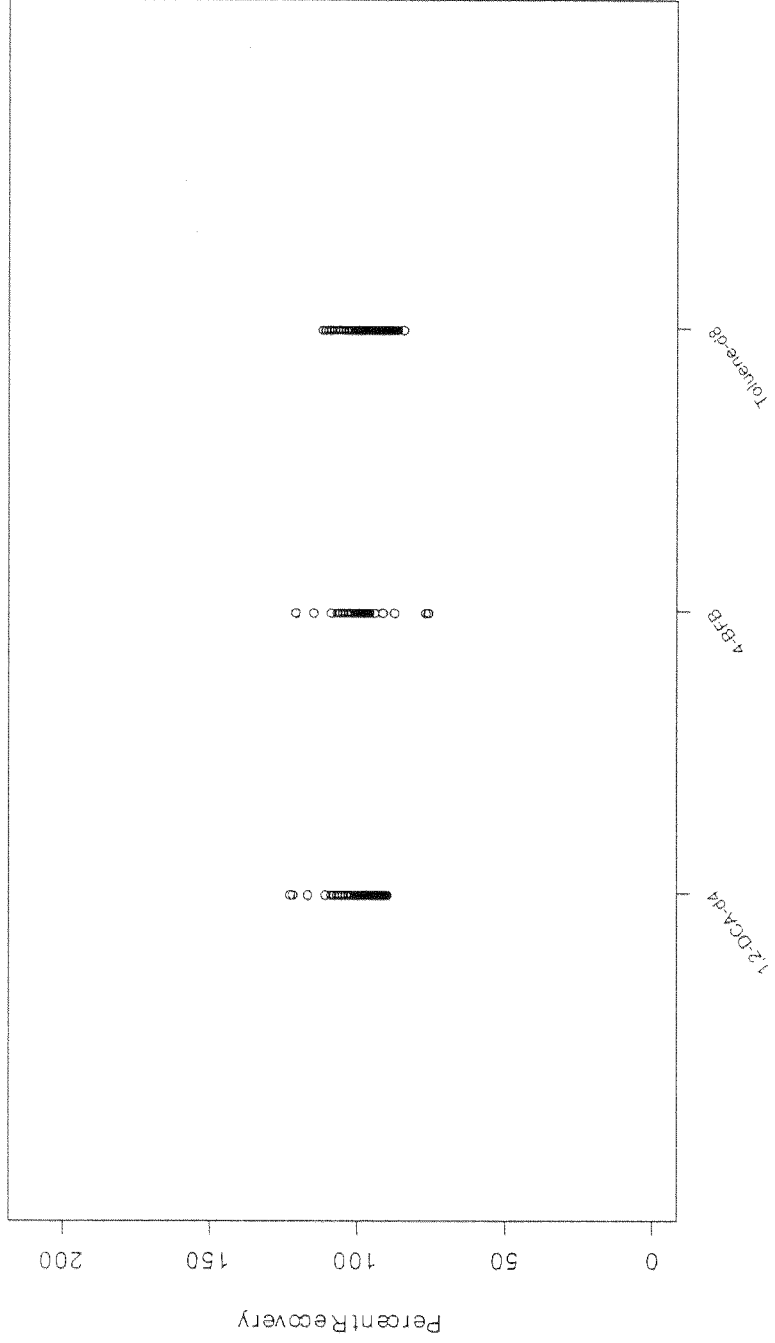
### First Quarter 2003 Surrogate - Percent Recovery for SVOC

	82	82	82	82	82	82
N	82	82	82	82	82	82
Min	10.1	69.6	15.5	62.5	29.1	29.1
Median	63.7	89.4	88.6	82.4	73	75.8
Max	114	112	109	130	99.5	114



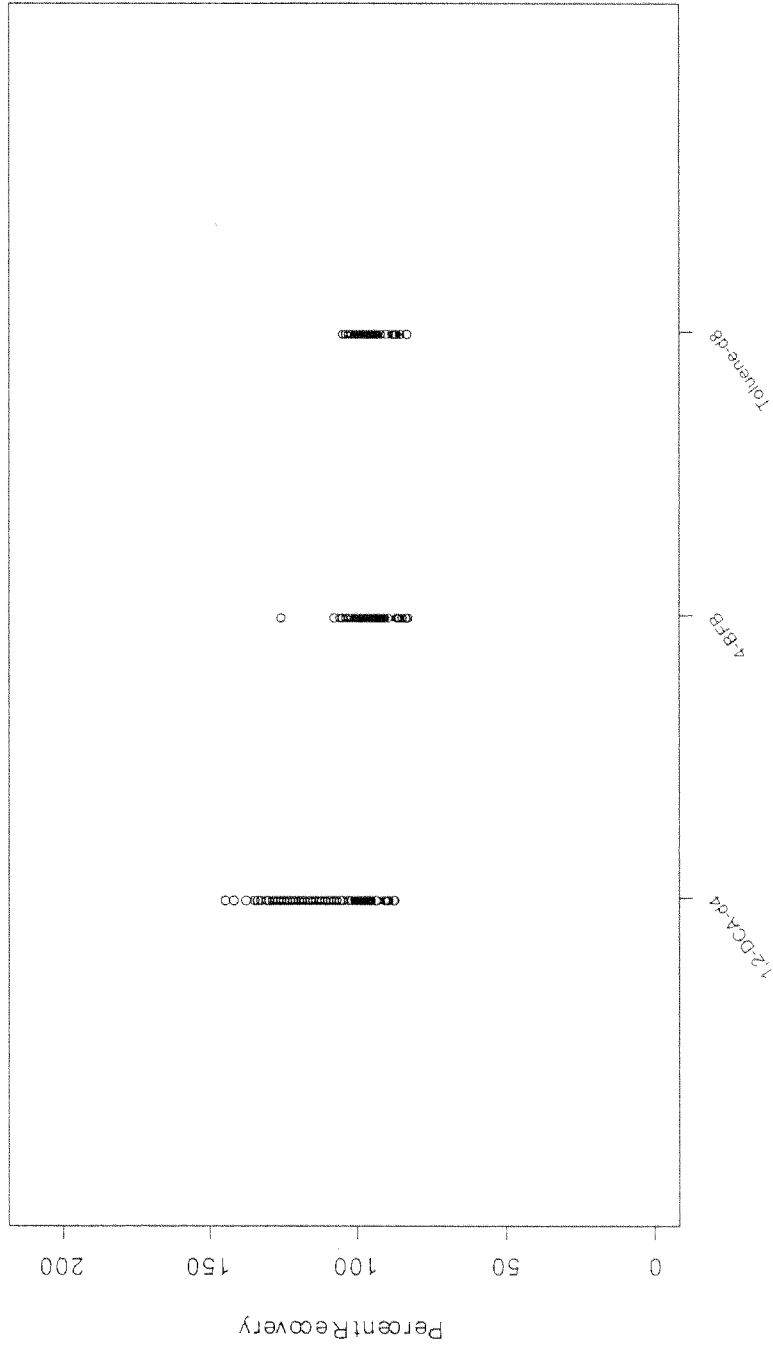
First Quarter 2003 Surrogate - Percent Recovery for VOC

	1,2-DCA-D4	4-BFB	Toluene-D8
N	309	309	309
Min	89	75	83.5
Median	99.5	100	98
Max	122	120	111



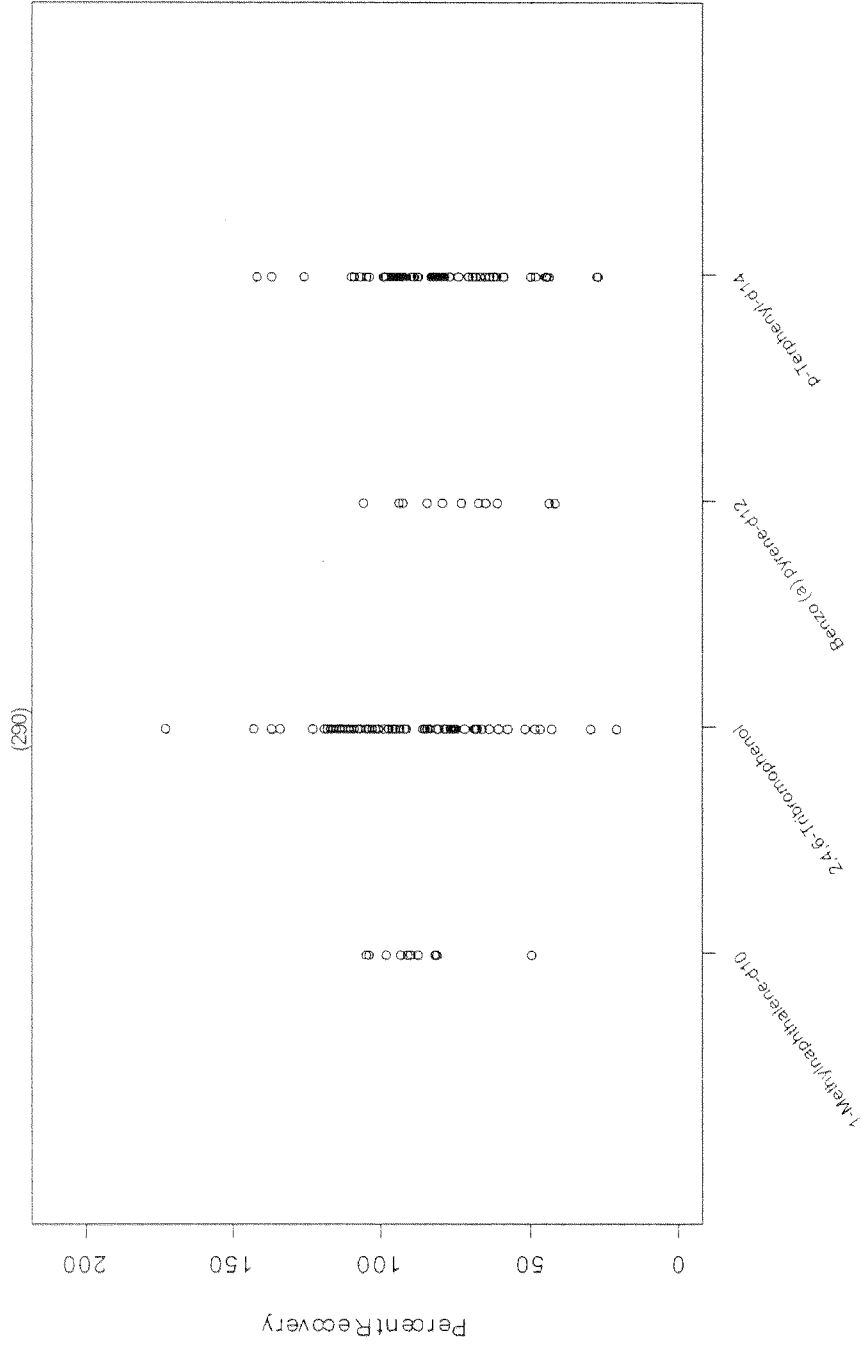
First Quarter 2003 Surrogate - Percent Recovery for VOC-SIM

	217	217
N	82	82
Min	108	98.5
Median	144	104
Max		

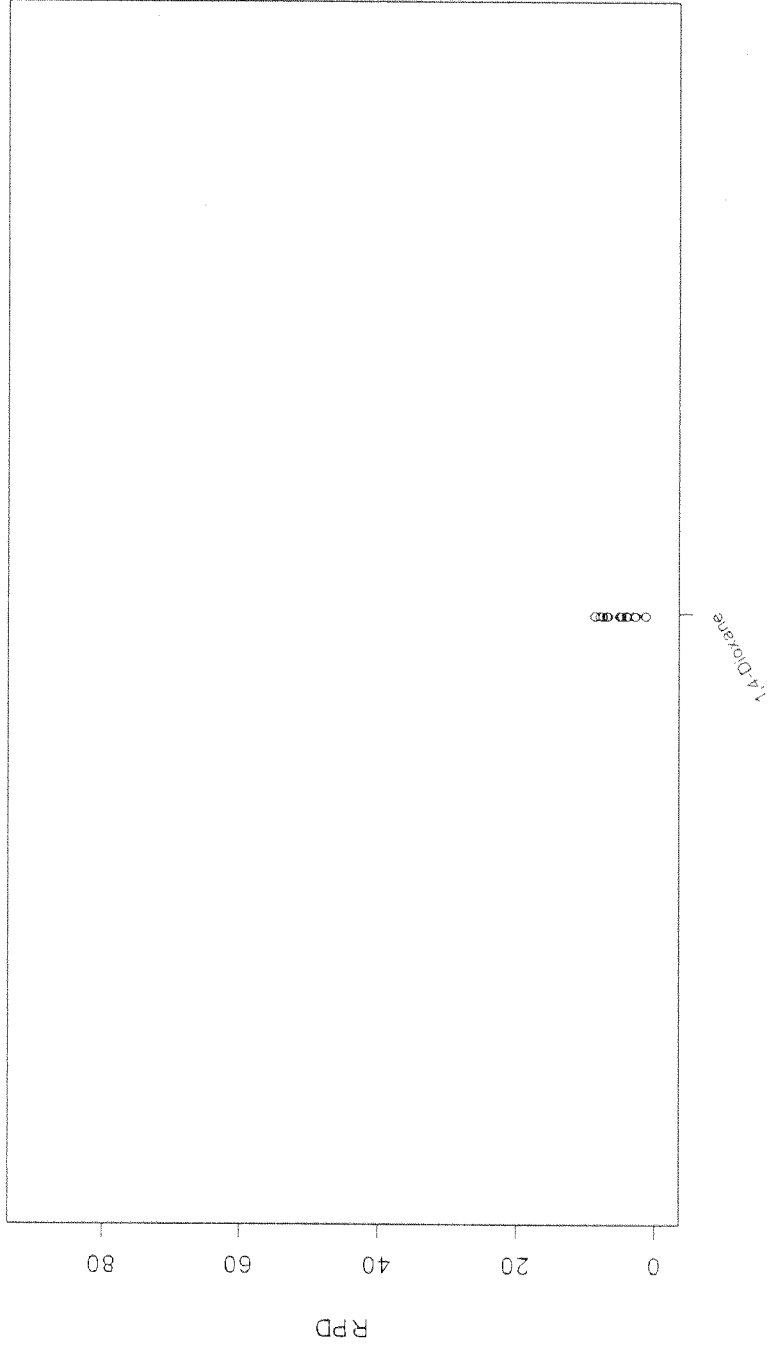


First Quarter 2003 Surrogate - Percent Recovery for SVOC-SIM

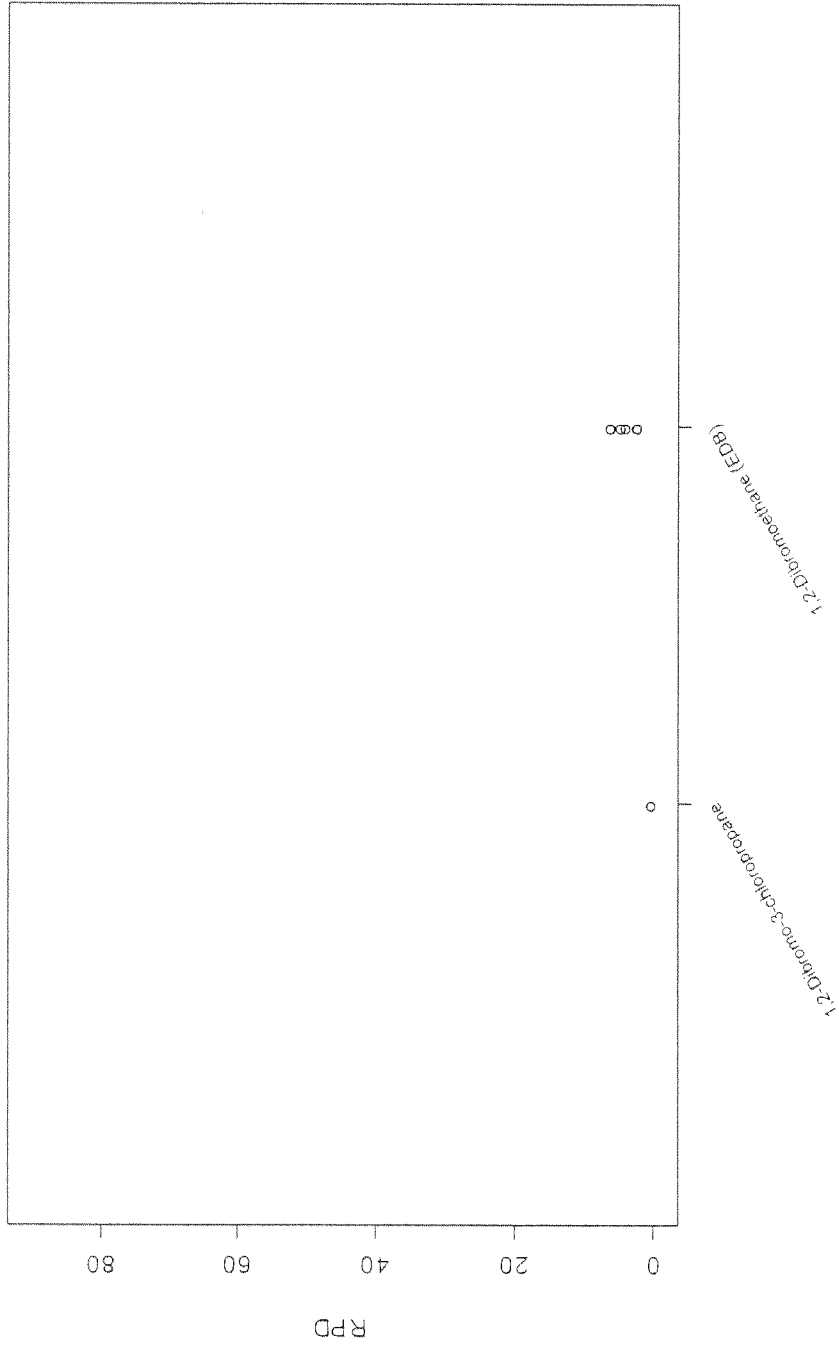
	11	77	12	73
N	11	77	12	73
Min	48.7	20	40.8	26.1
Median	89.1	92.8	75.5	82.4
Max	104	290	105	141



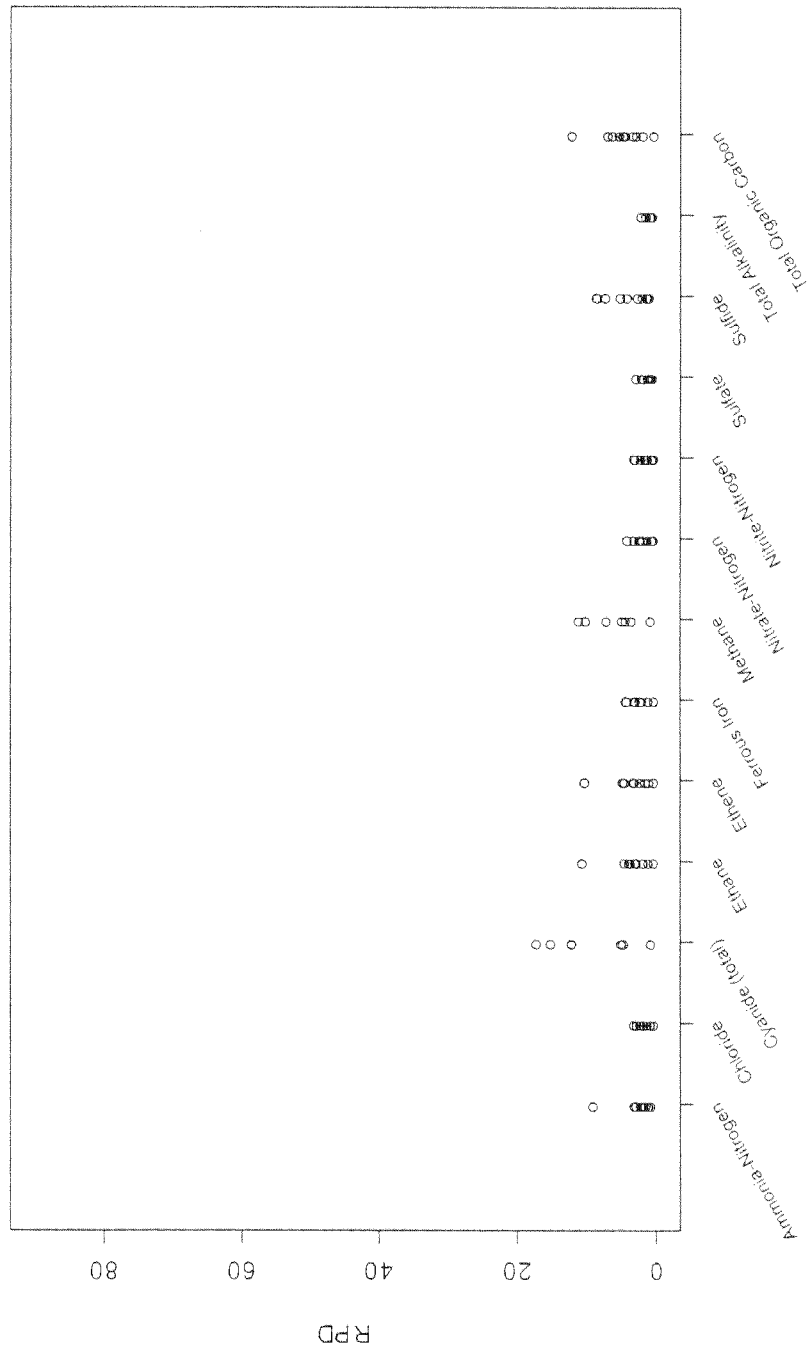
First Quarter 2003 LCS - Relative Percent Difference for 1,4-Dioxane



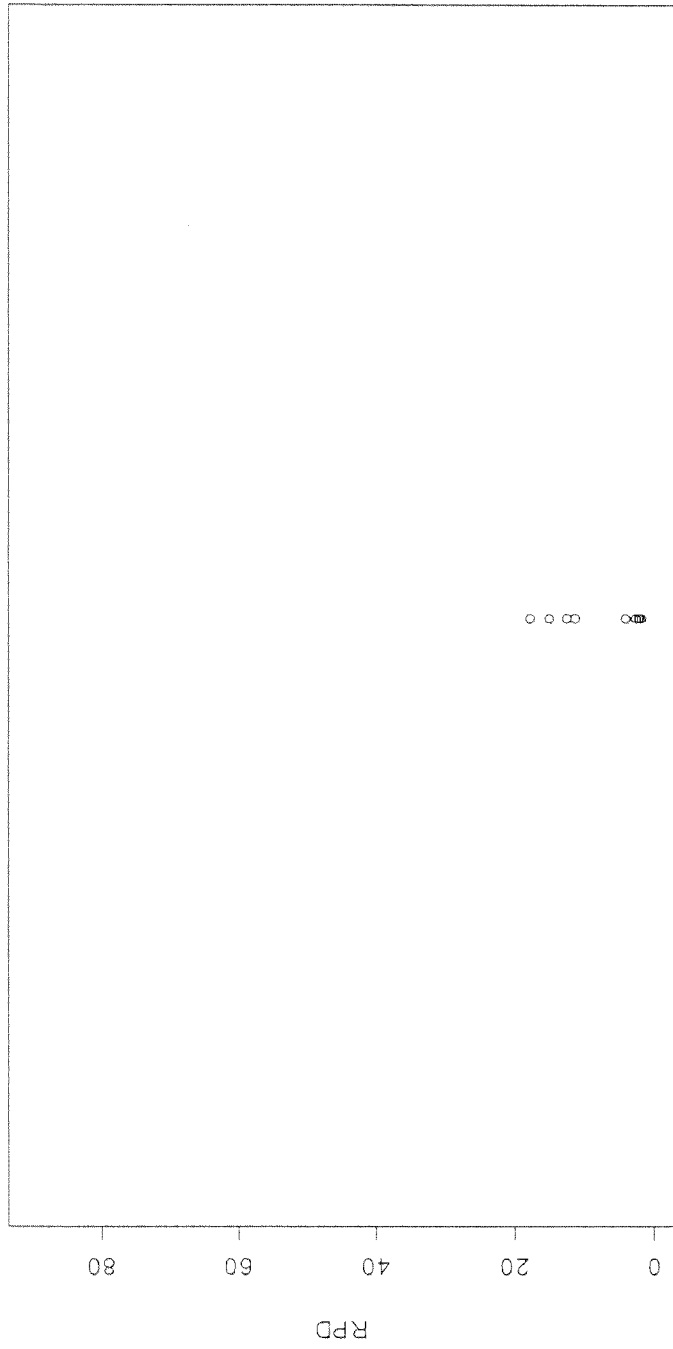
First Quarter 2003 LCS - Relative Percent Difference for 8011



First Quarter 2003 LCS - Relative Percent Difference for Conventionals



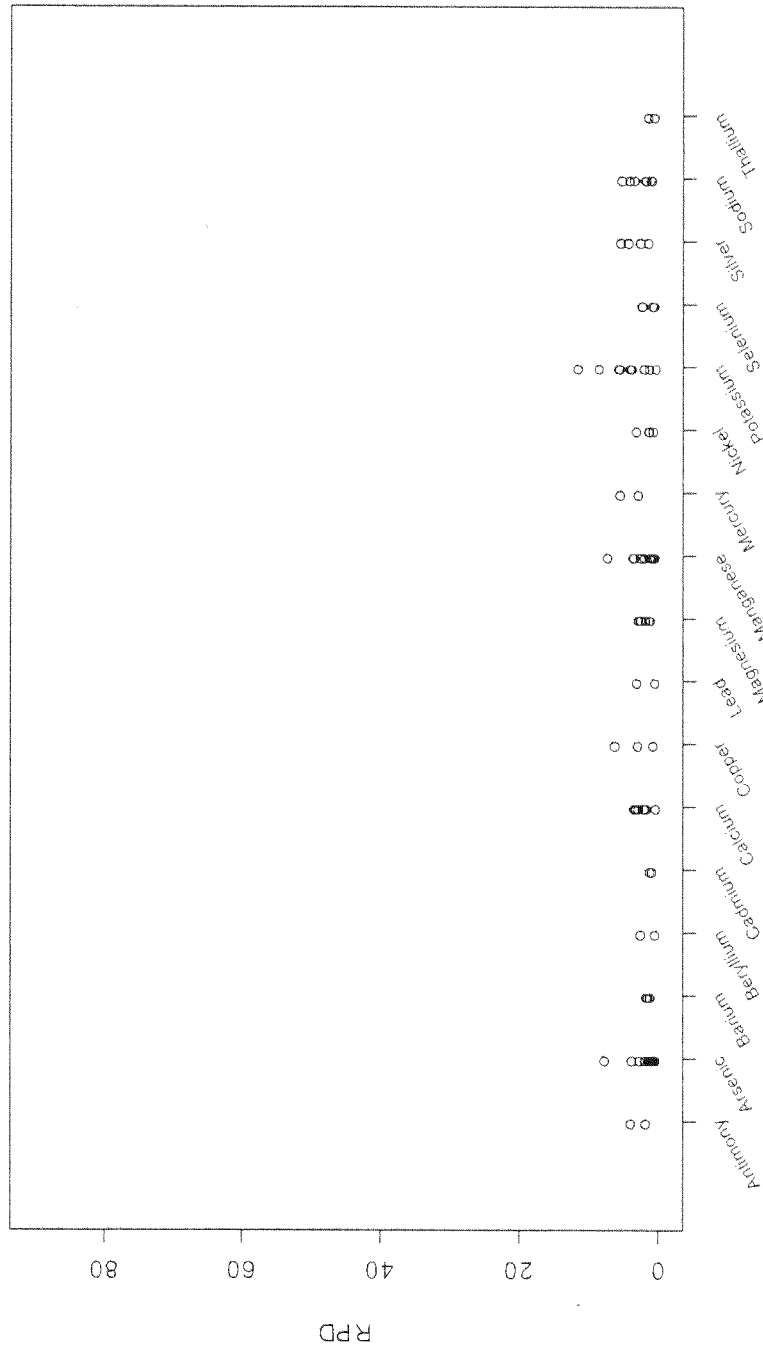
First Quarter 2003 LCS - Relative Percent Difference for EPH



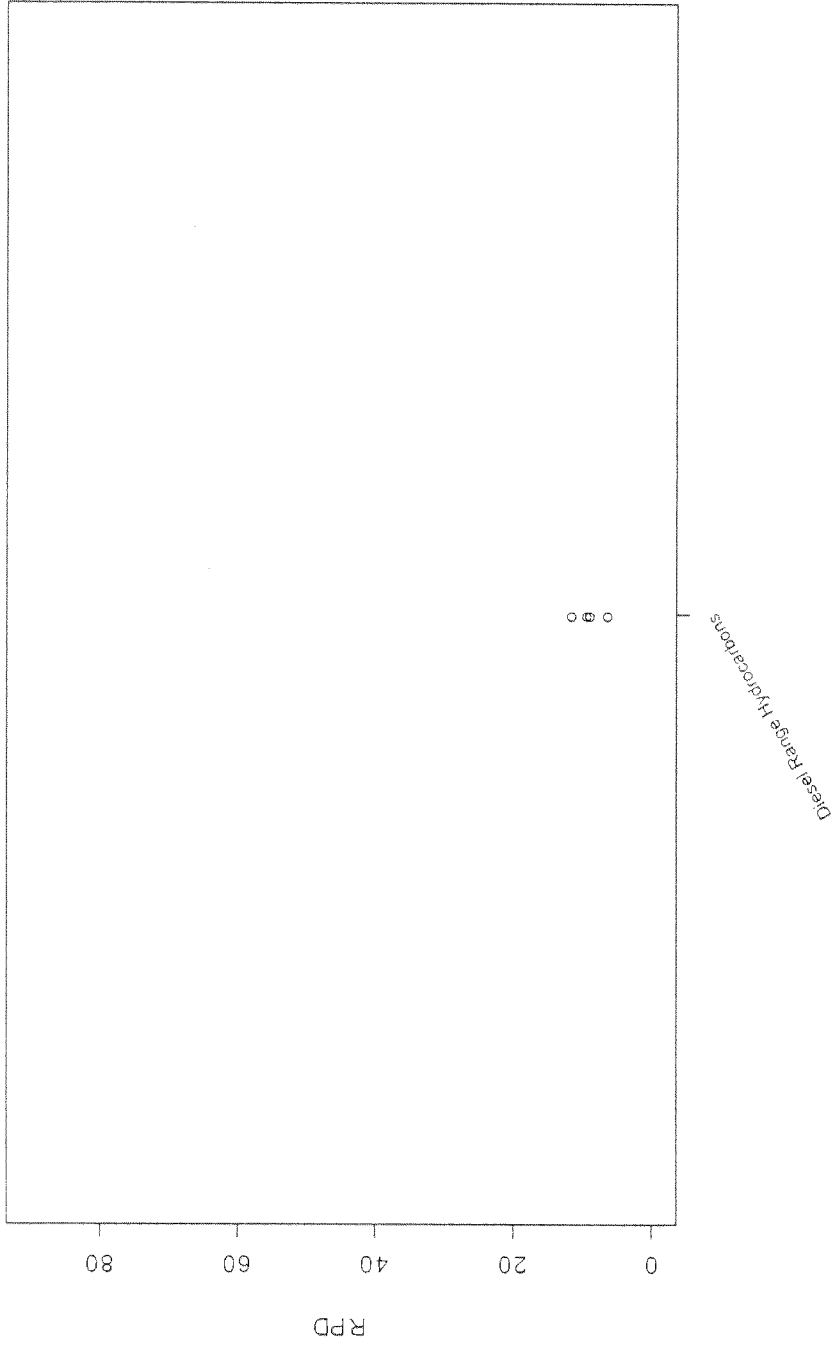
Extractable Petroleum Hydrocarbons



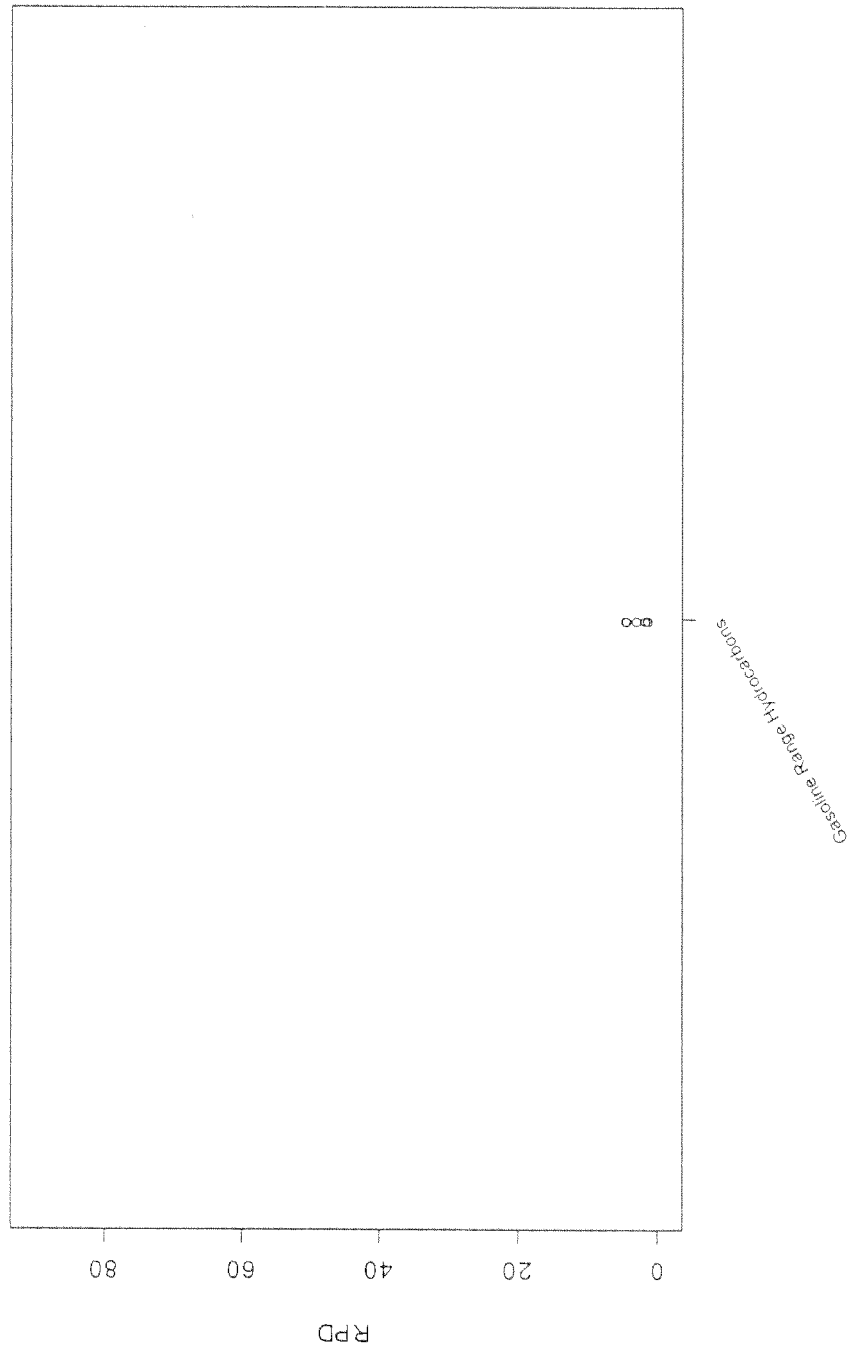
First Quarter 2003 LCS - Relative Percent Difference for Metals



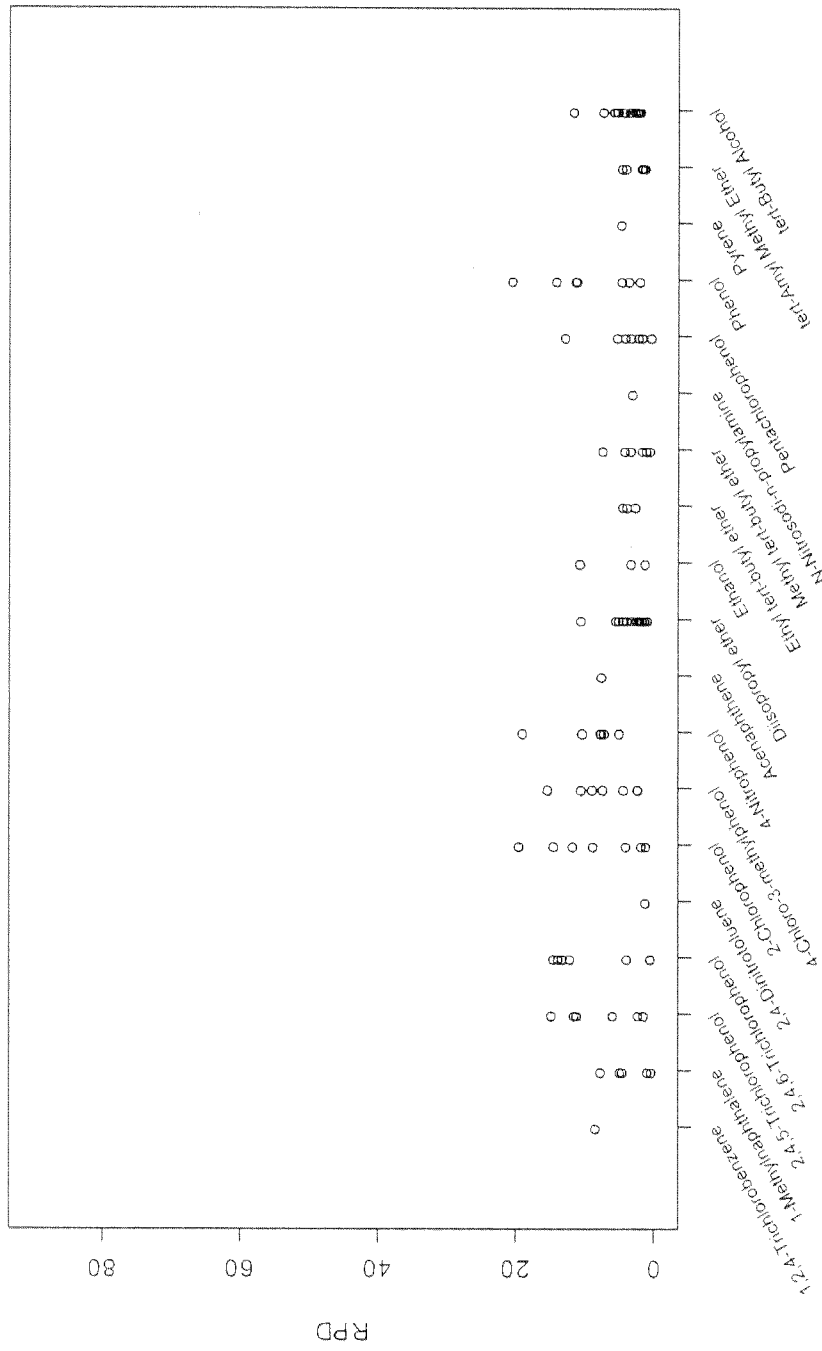
First Quarter 2003 LCS - Relative Percent Difference for NWT PH-DX



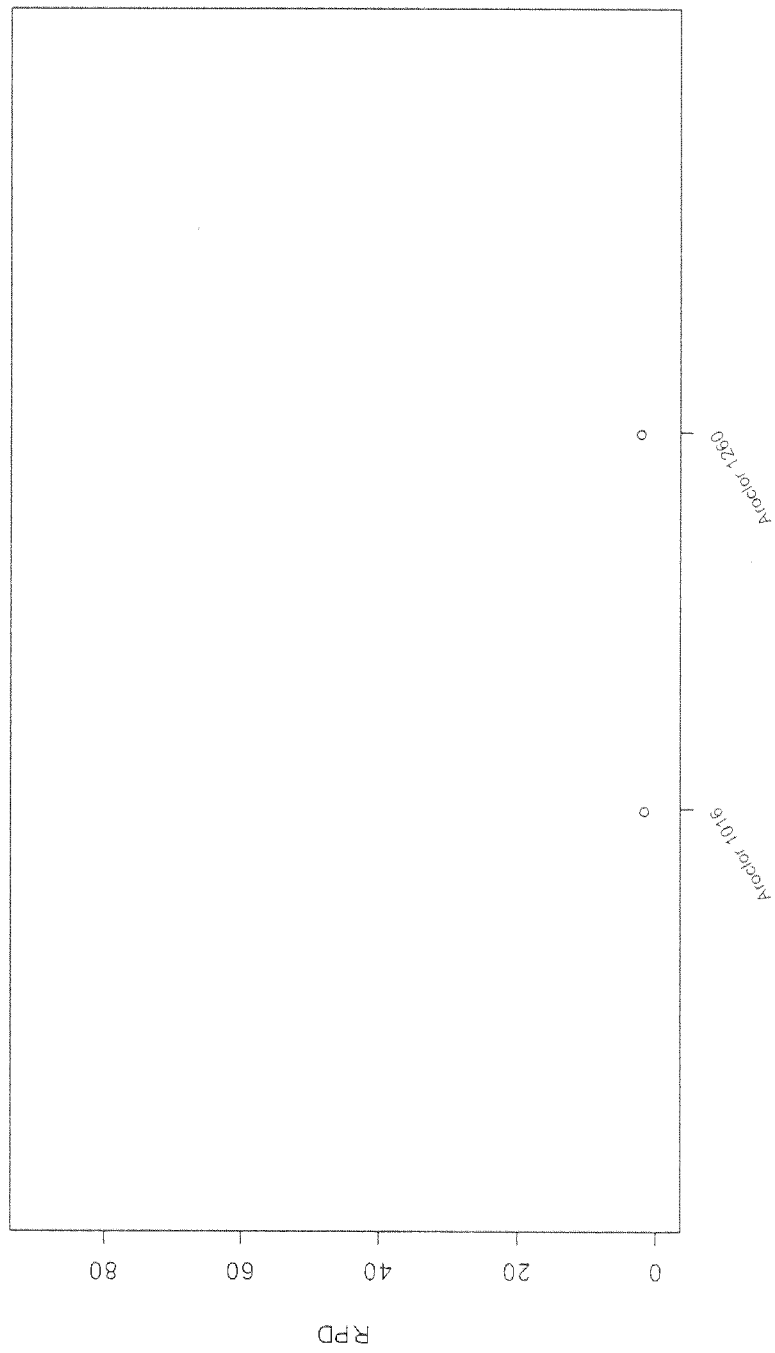
First Quarter 2003 LCS - Relative Percent Difference for NWTPH-GX



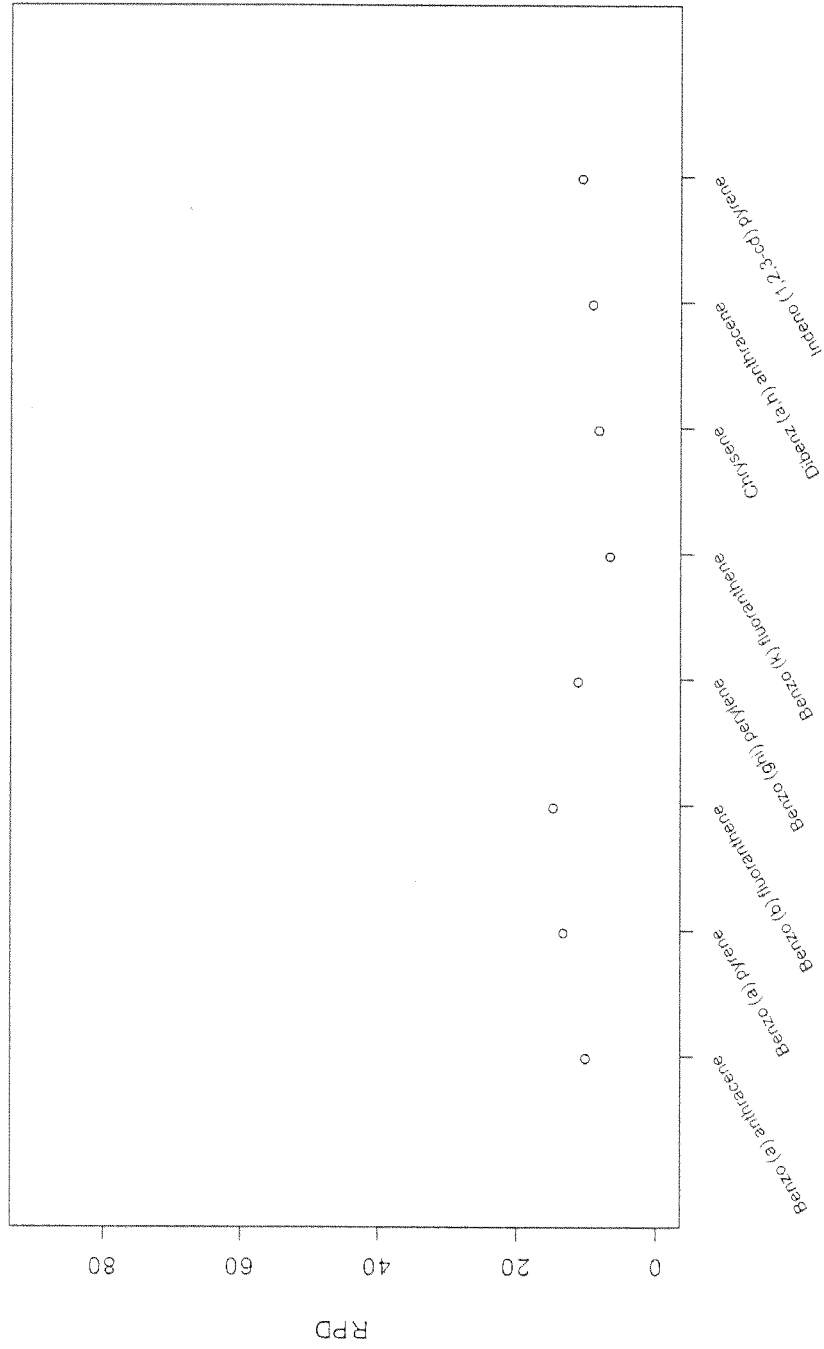
# First Quarter 2003 LCS - Relative Percent Difference for Oxygenates



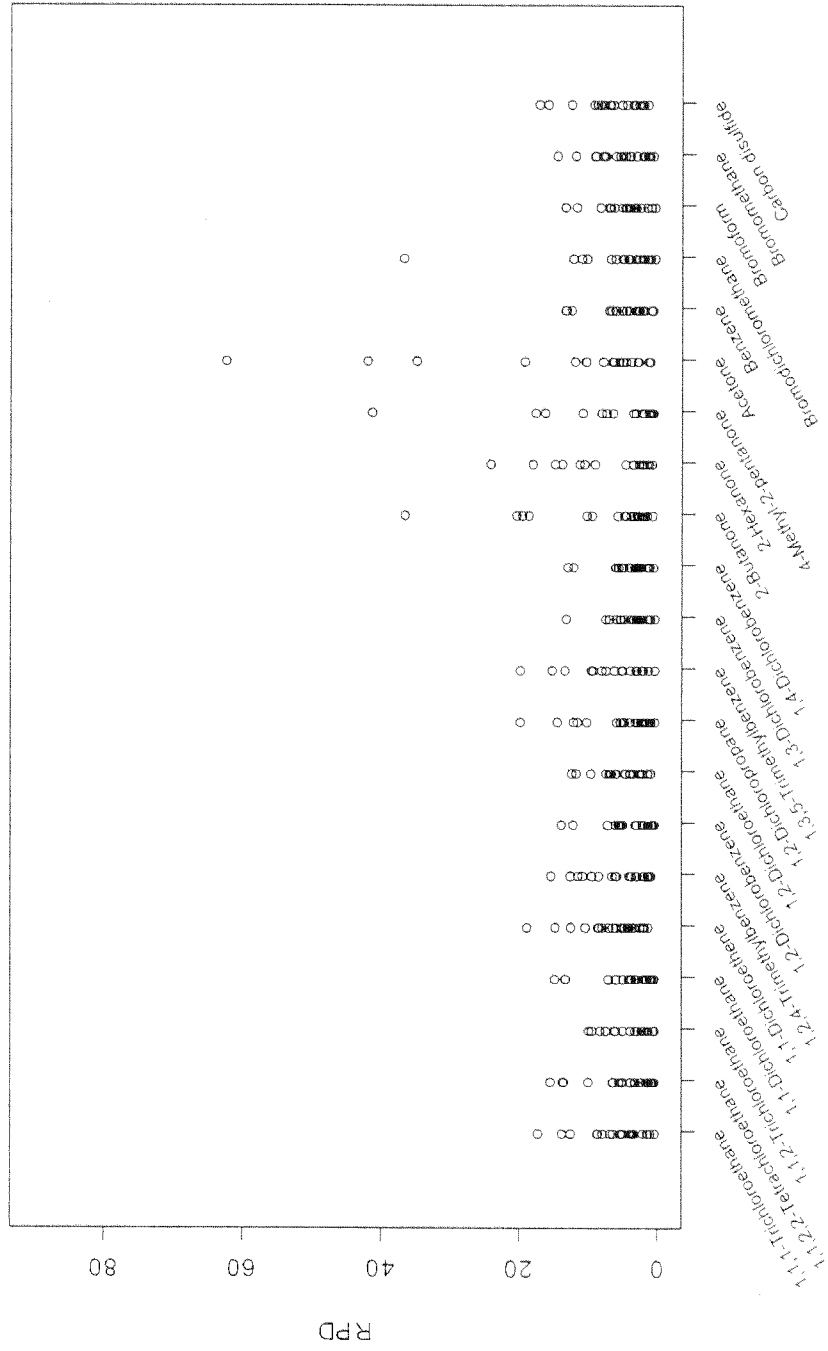
First Quarter 2003 LCS - Relative Percent Difference for PCB



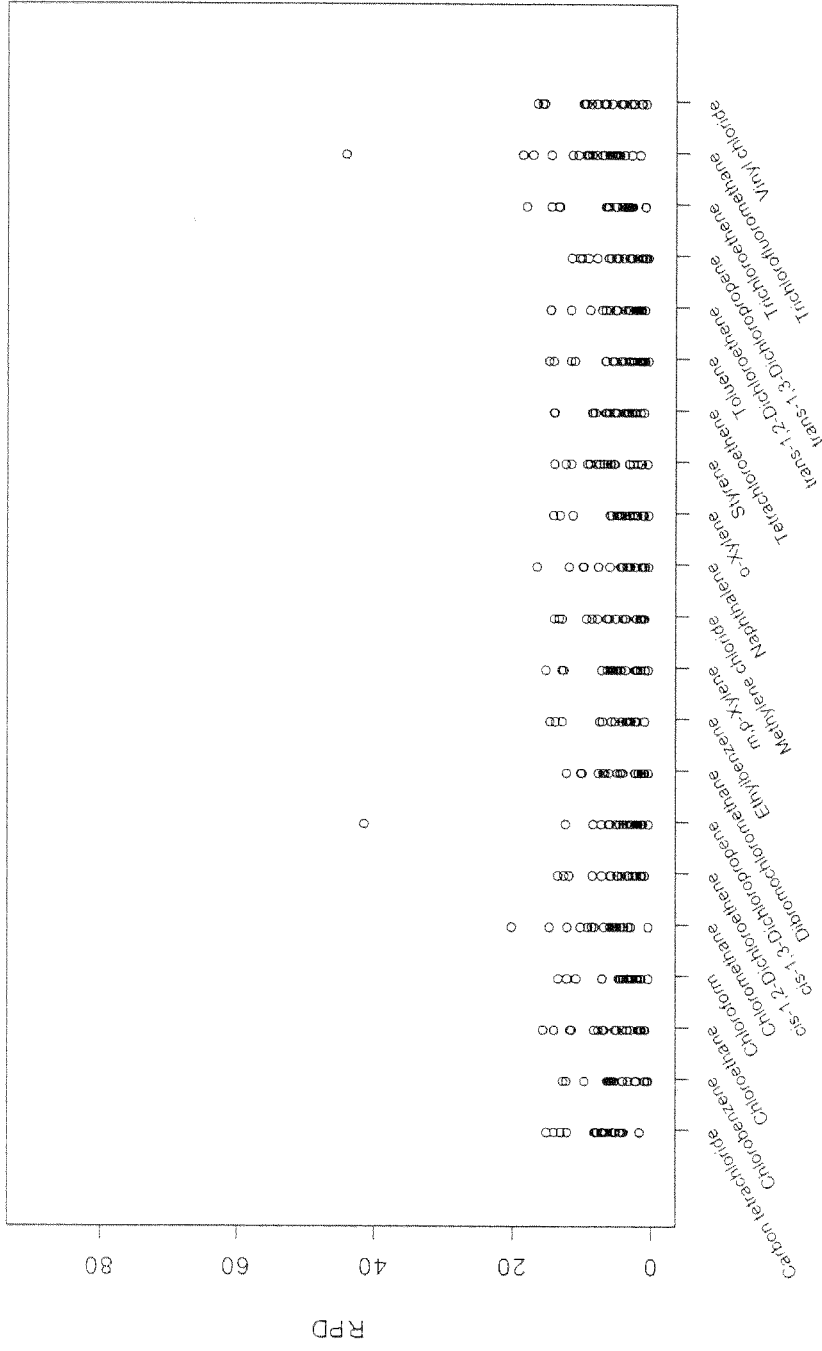
First Quarter 2003 LCS - Relative Percent Difference for SVOC-SIM



First Quarter 2003 LCS - Relative Percent Difference for VOC

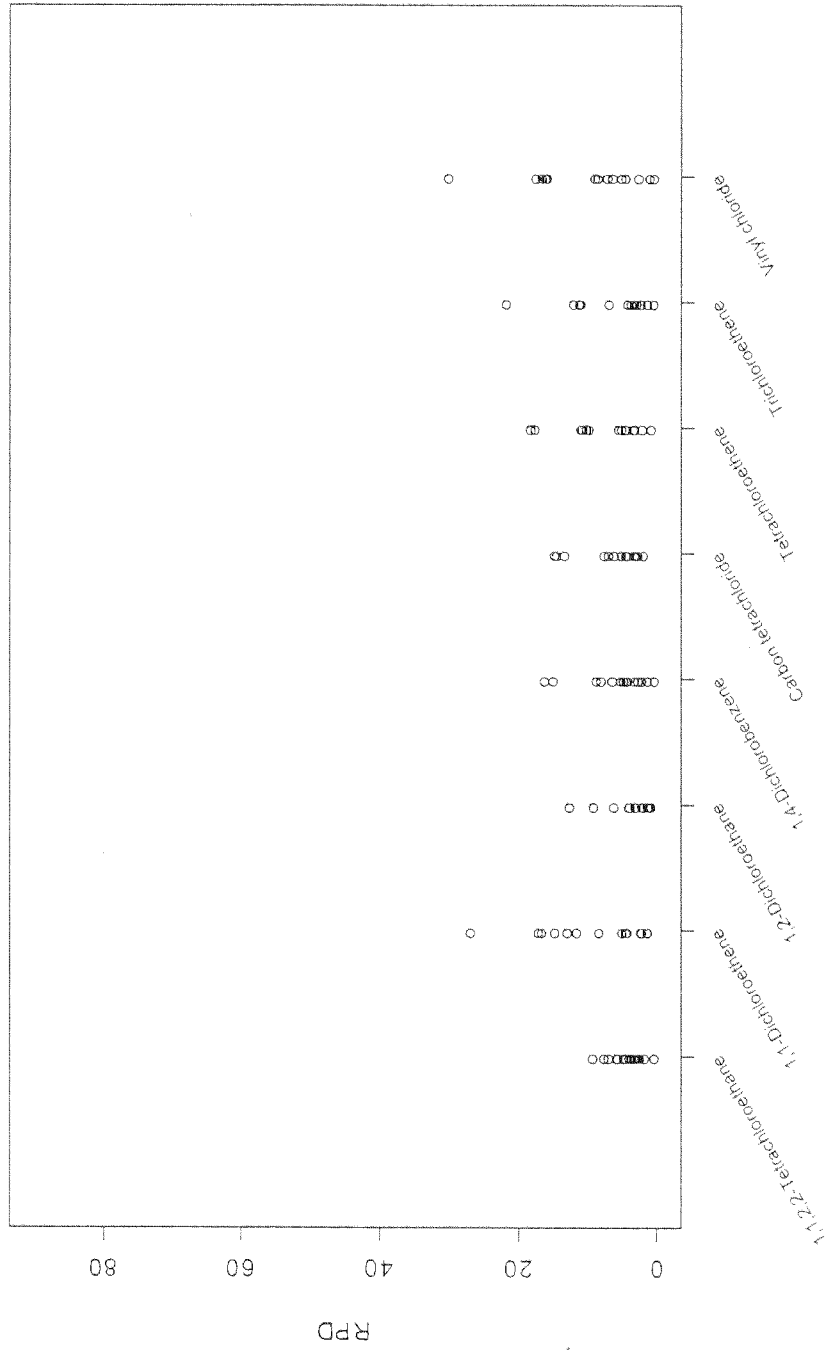


First Quarter 2003 LCS - Relative Percent Difference for VOC (continued)

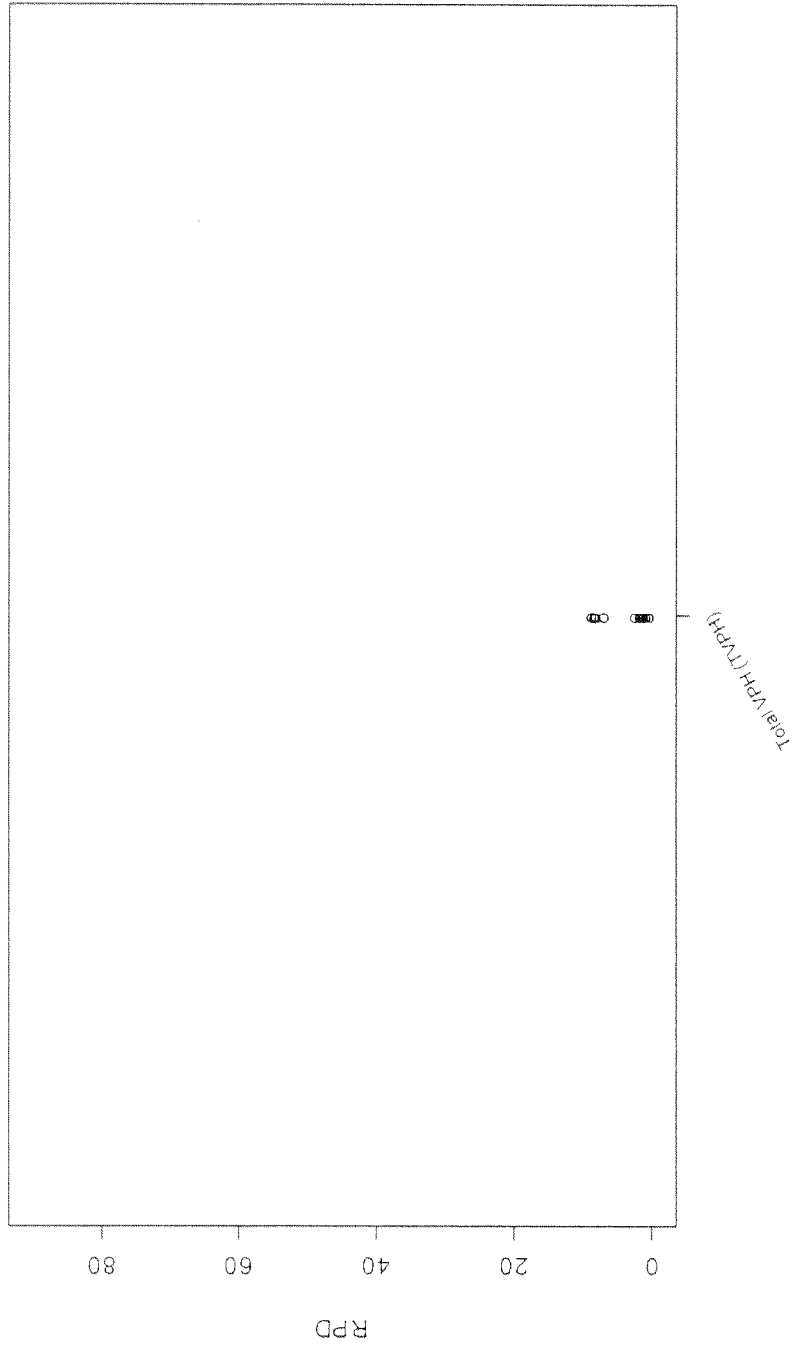




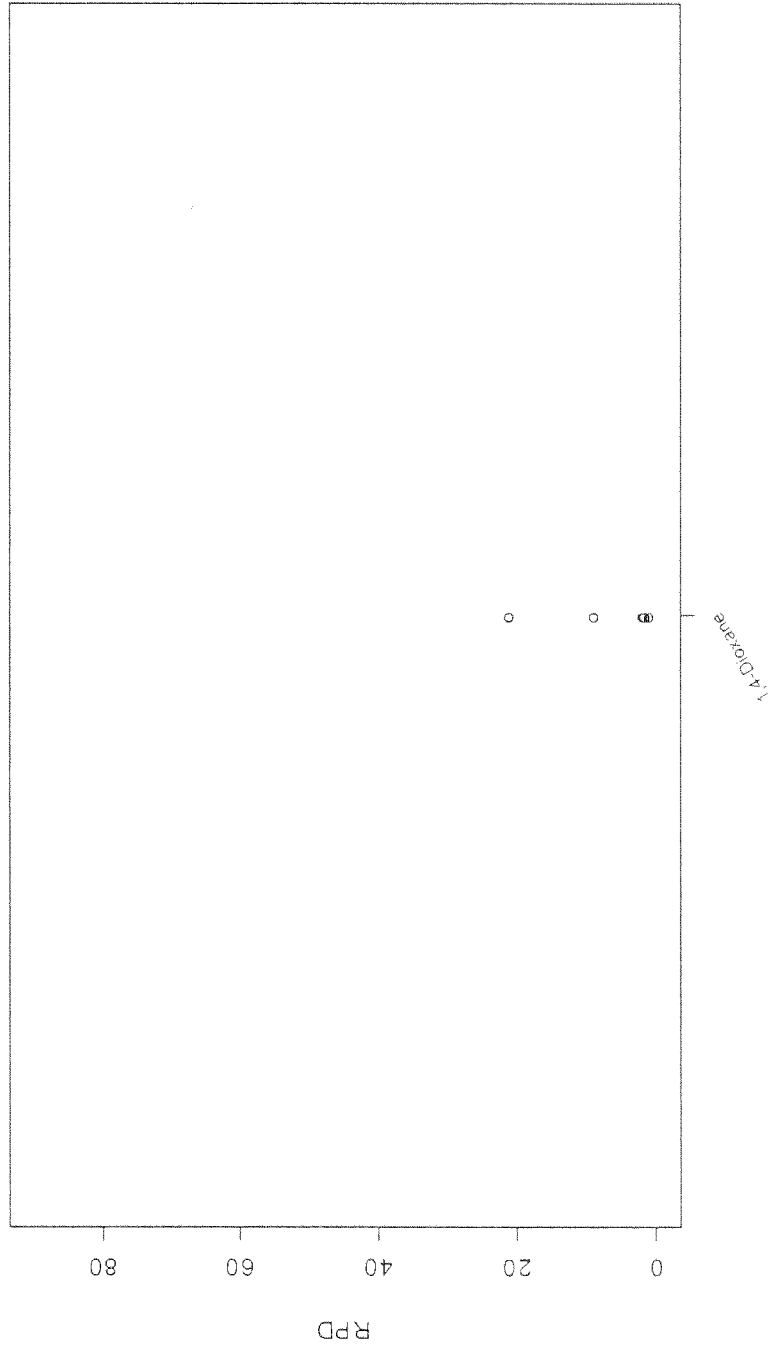
First Quarter 2003 LCS - Relative Percent Difference for VOC-SIM



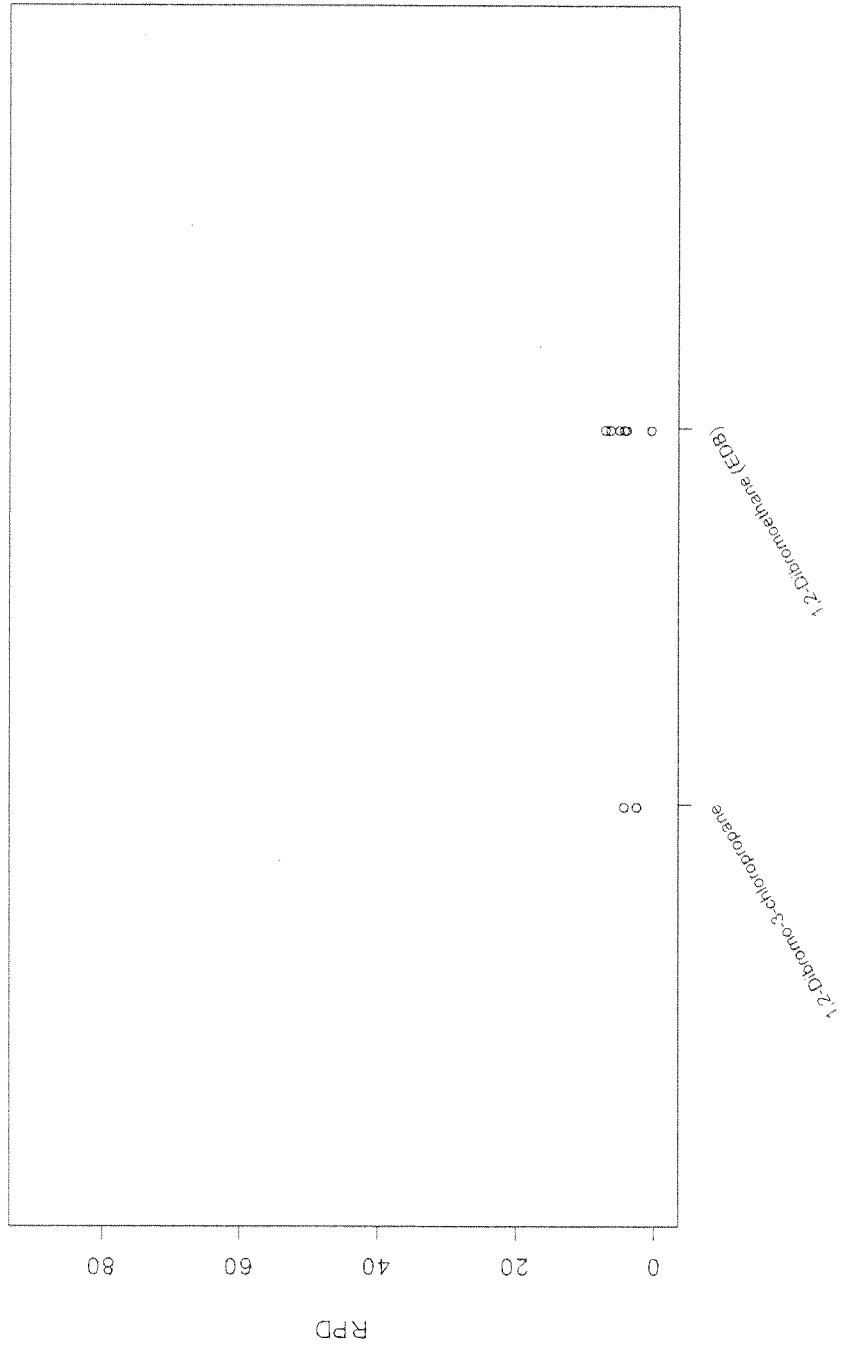
First Quarter 2003 LCS - Relative Percent Difference for VPH



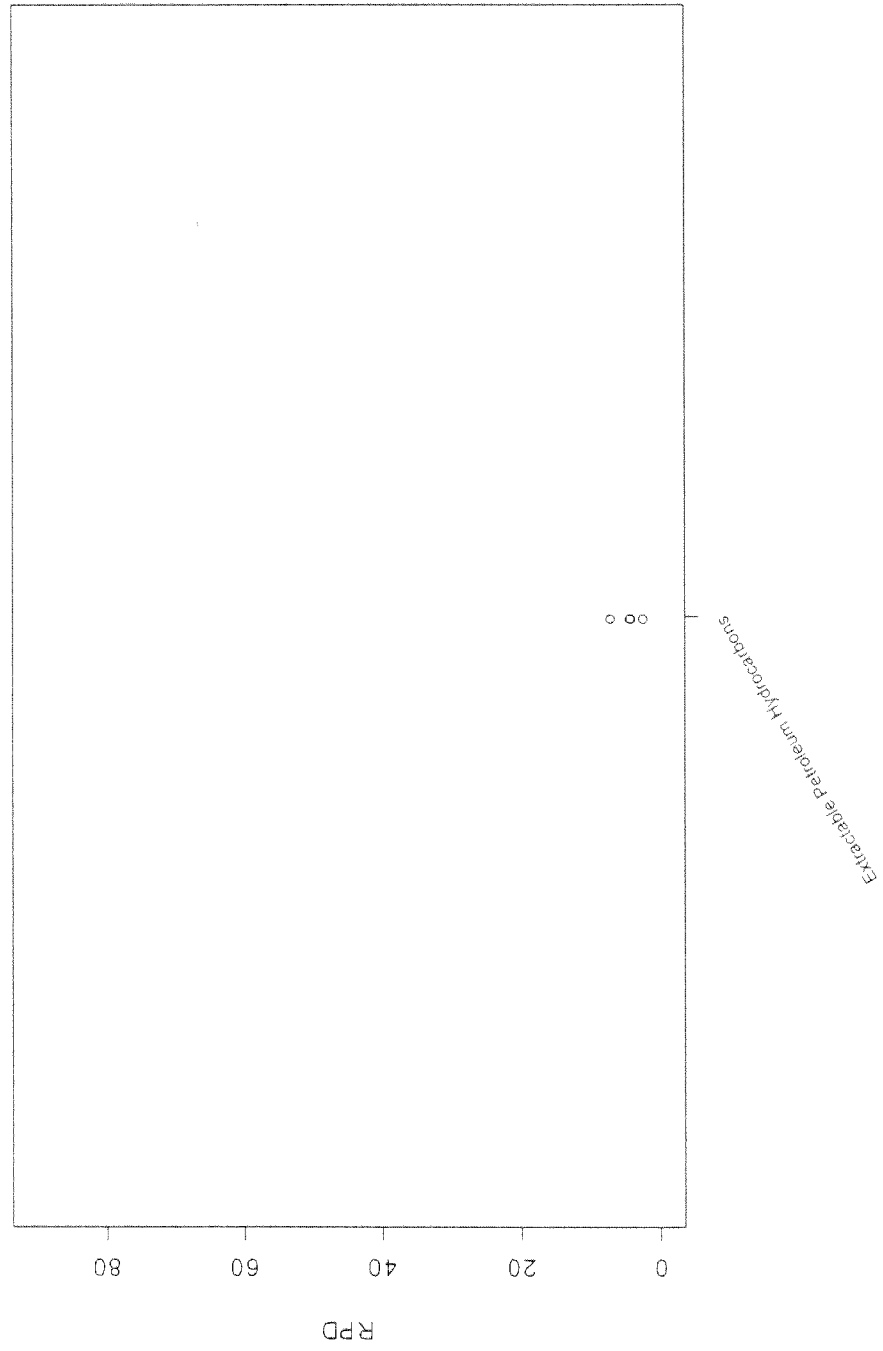
First Quarter 2003 Matrix Spike - Relative Percent Difference for 1,4-Dioxane



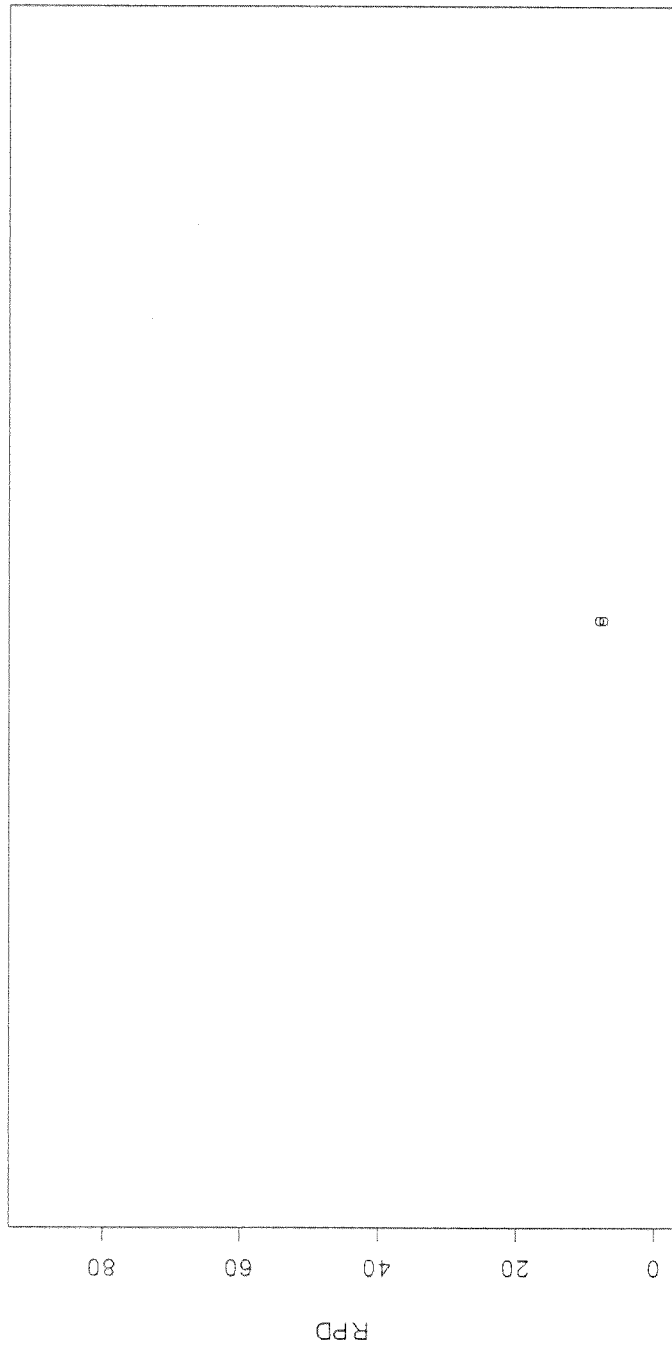
First Quarter 2003 Matrix Spike - Relative Percent Difference for 8011



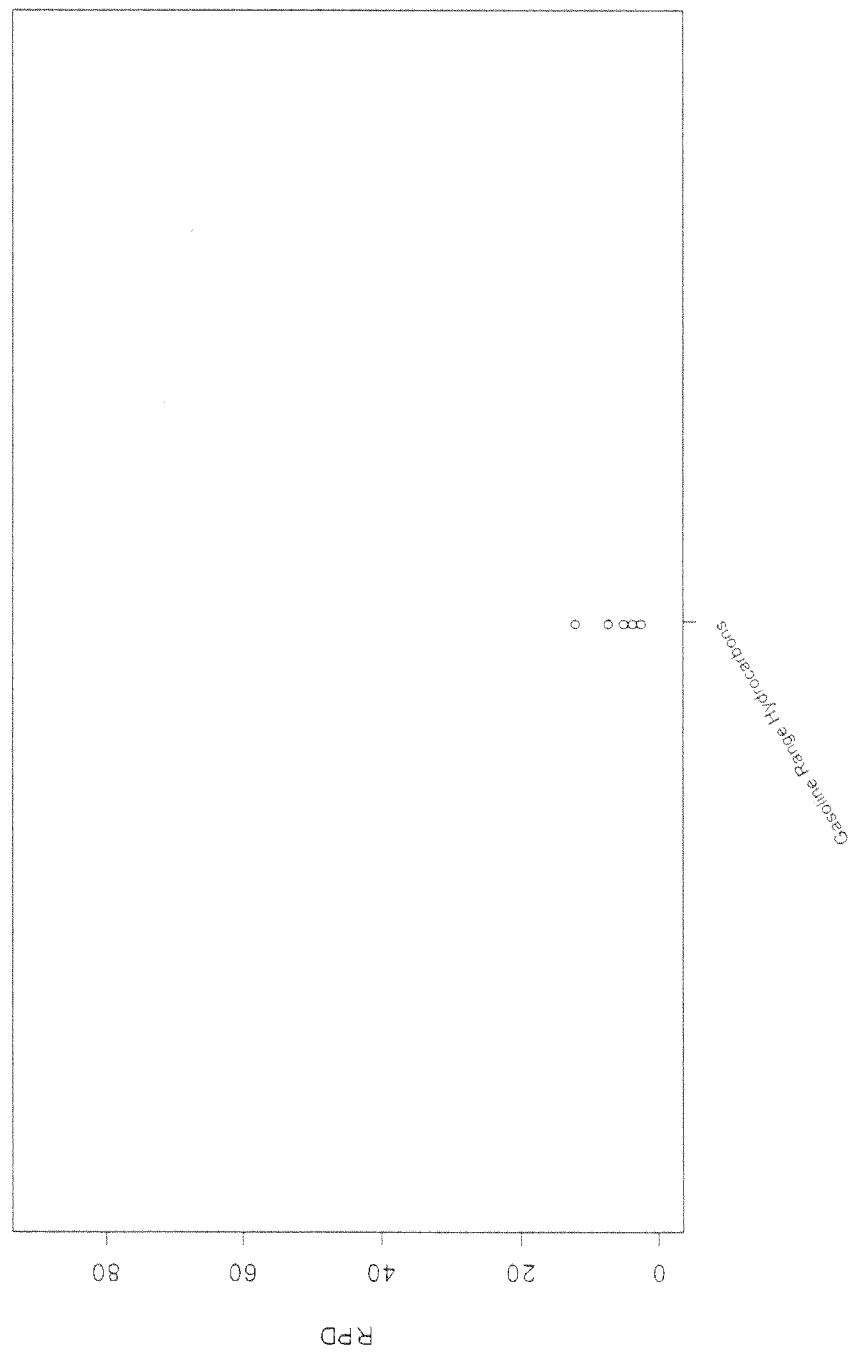
First Quarter 2003 Matrix Spike - Relative Percent Difference for EPH



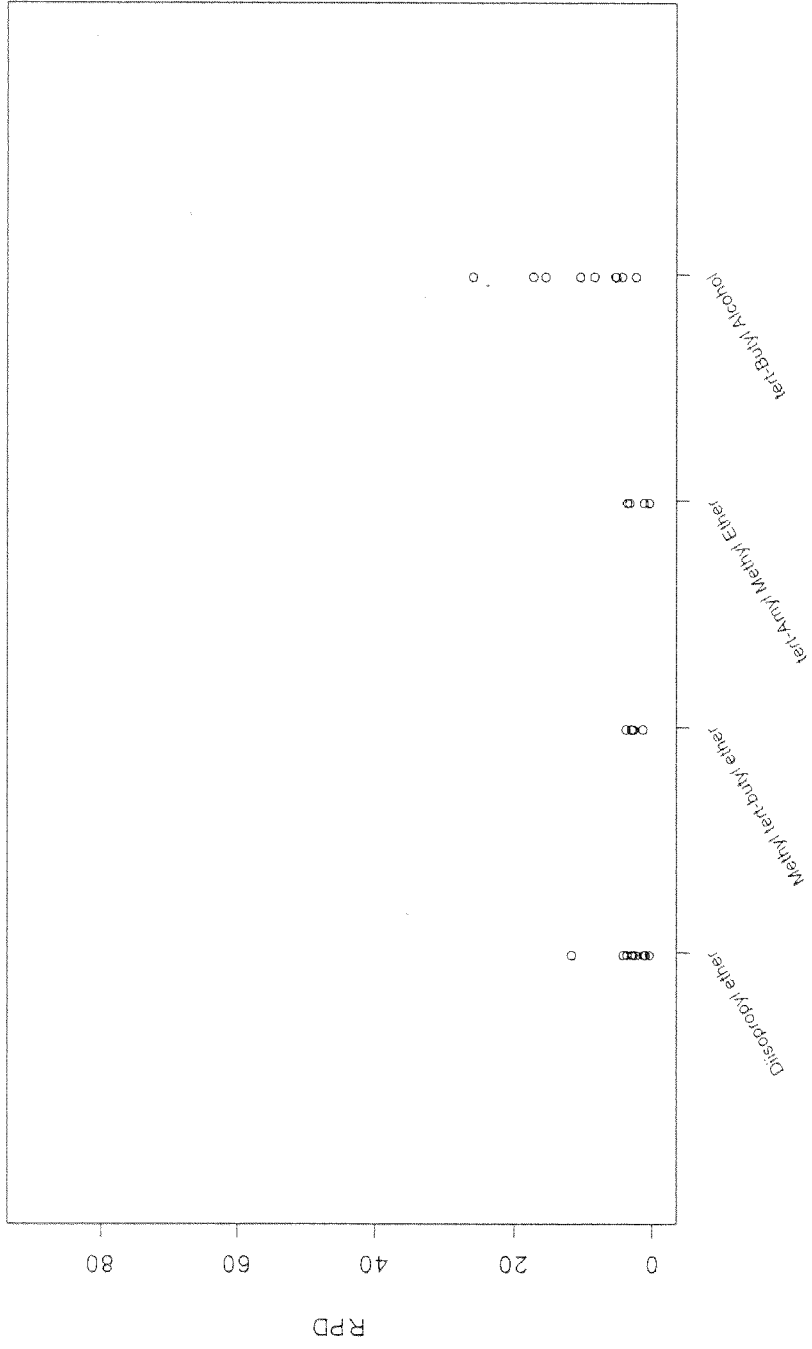
First Quarter 2003 Matrix Spike - Relative Percent Difference for NWTPH-DX



First Quarter 2003 Matrix Spike - Relative Percent Difference for NWTPH-GX

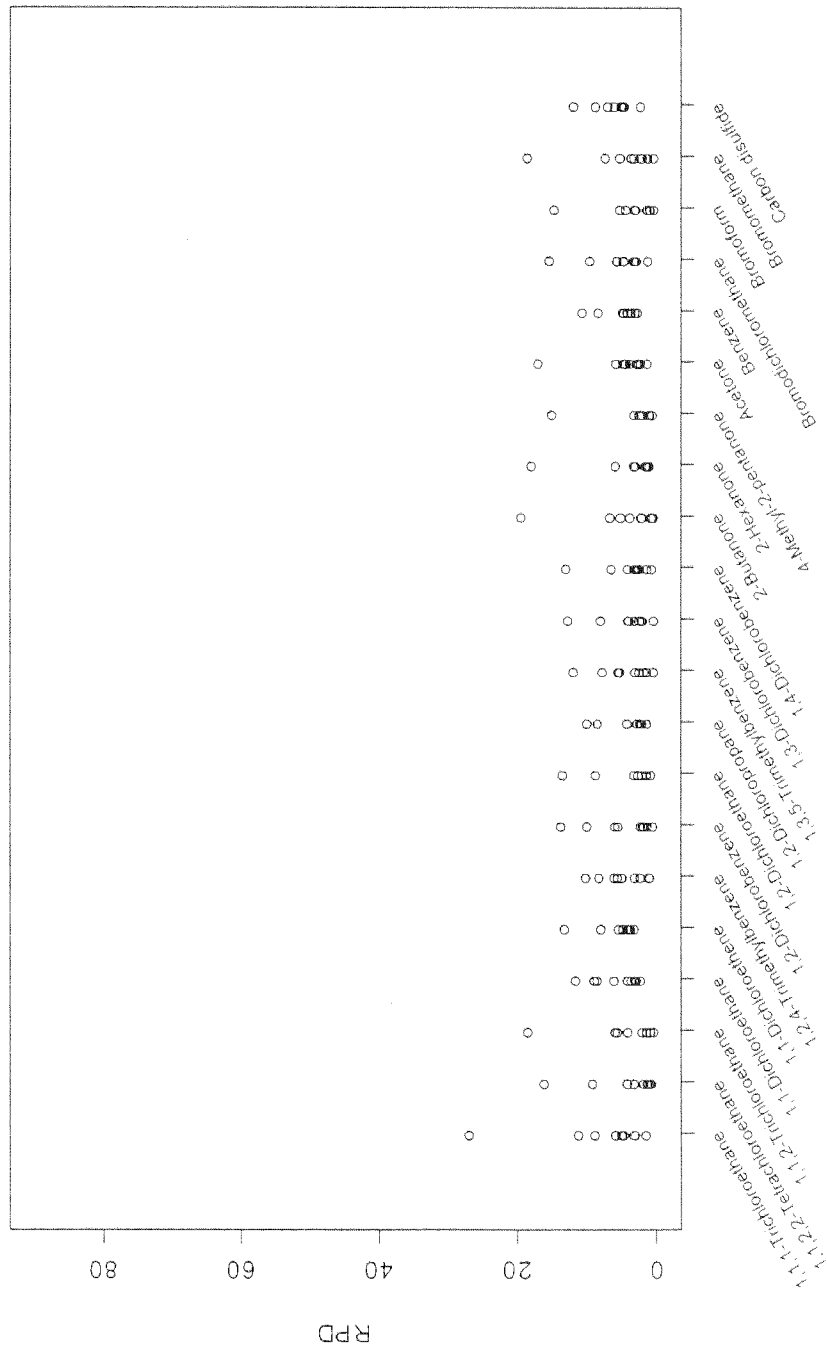


First Quarter 2003 Matrix Spike - Relative Percent Difference for Oxygenates

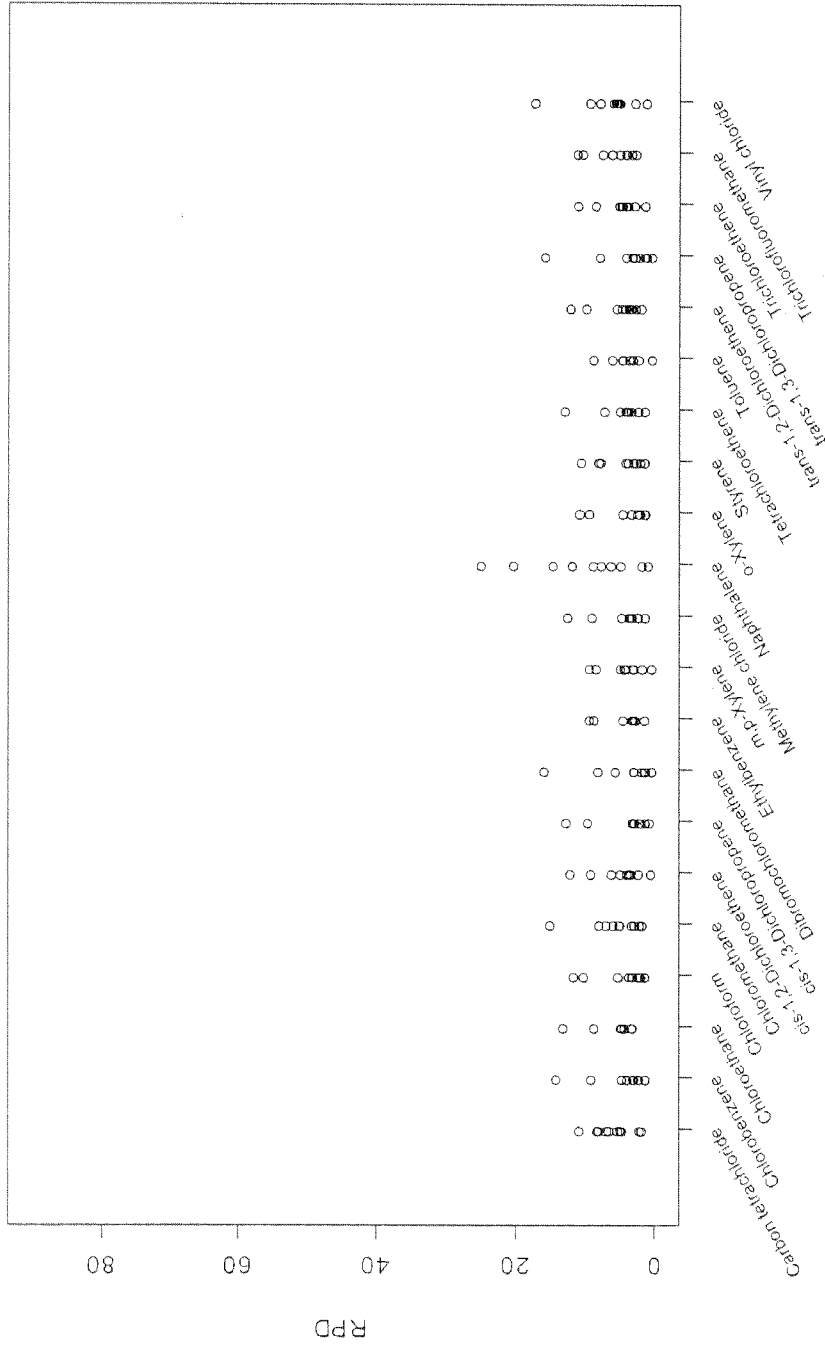




# First Quarter 2003 Matrix Spike - Relative Percent Difference for VOC

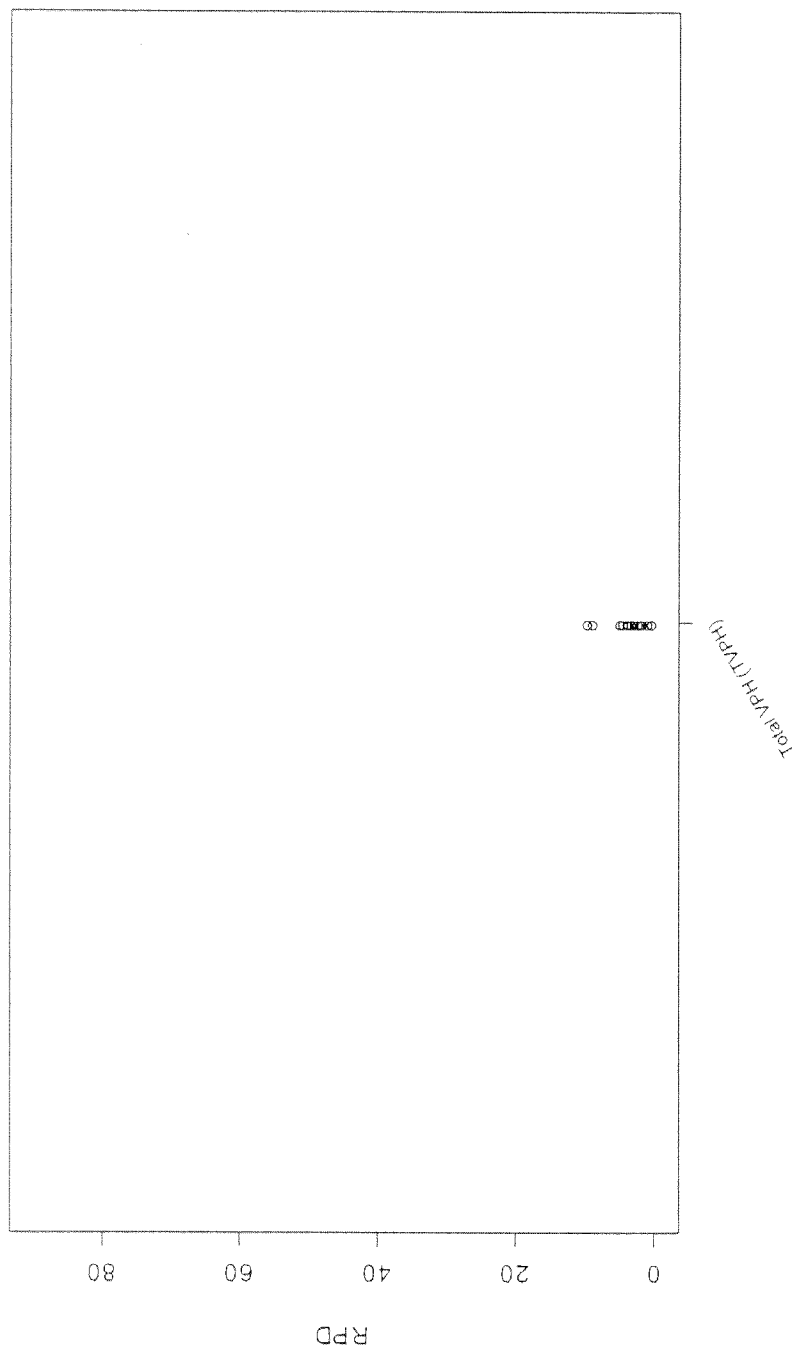


First Quarter 2003 Matrix Spike - Relative Percent Difference for VOC (continued)

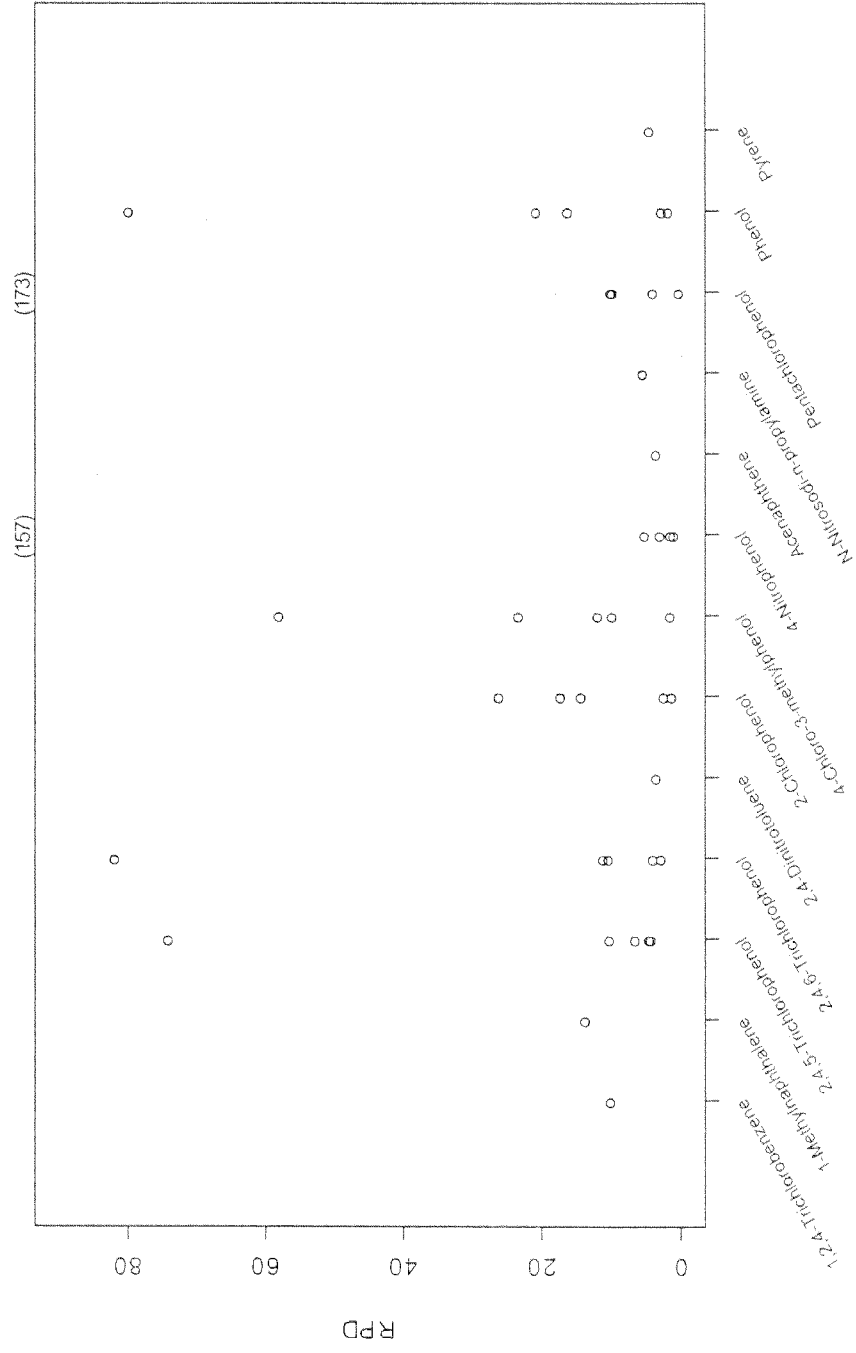




First Quarter 2003 Matrix Spike - Relative Percent Difference for VPH

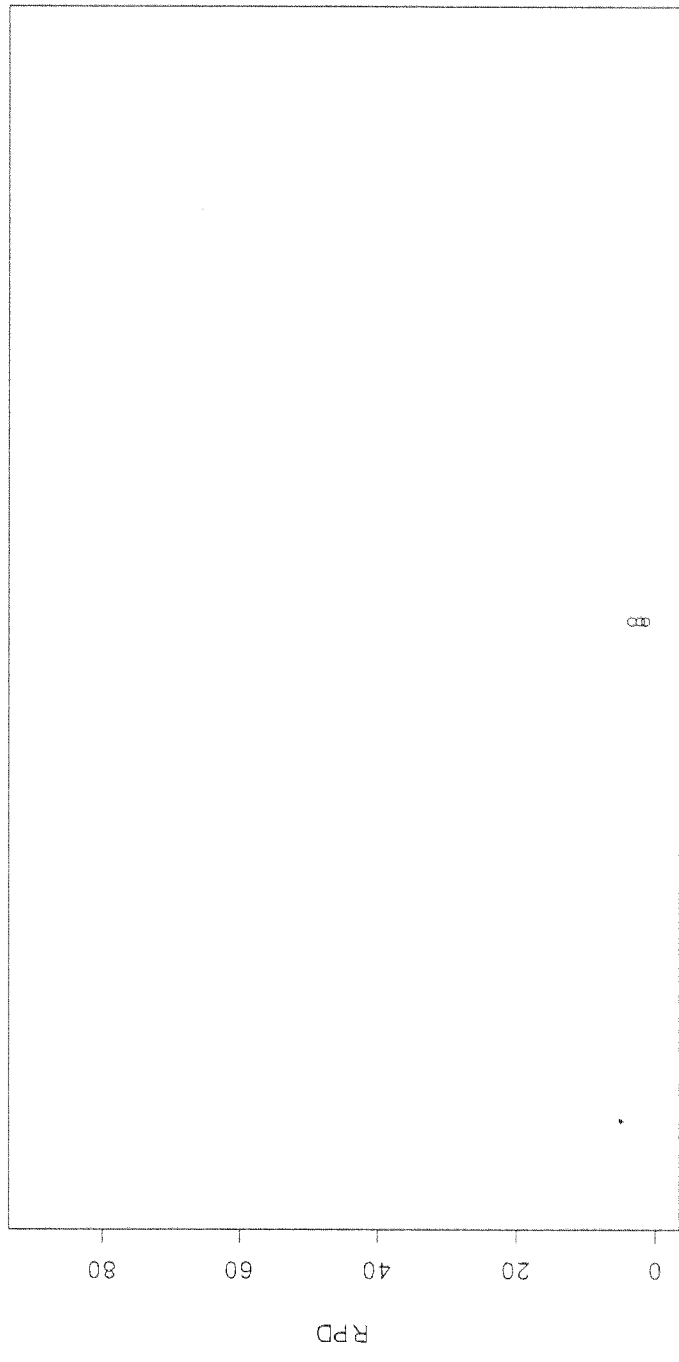


First Quarter 2003 Matrix Spike - Relative Percent Difference for SVOC





First Quarter 2003 Lab Duplicates - Relative Percent Difference for Metals





## **APPENDIX 5I**

### **SUMMARY OF QUALIFIED DATA GROUNDWATER MONITORING EVENTS 1Q00 TO 1Q03**



**Quarterly Groundwater Sampling Events**  
**1Q2000 to 1Q2003**

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### Summary of Qualified Data - Year 2000

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
1 <sup>st</sup> Quarter					
CG-12-I-0100	Chloroform	1.33 U	Trip blank	2.45	False positive
Equipment blank (in No. P002217)	Chloroform	0.82 U	Trip blank	2.45	False positive
CG-11-I-0100	Toluene	0.19 U	Equip. blank	0.25	False positive
CG-9-I-0100	Toluene	0.14 U	Equip. blank	0.25	False positive
CG-105-S2-0100	Toluene	0.86 U	Trip blank	0.26	False positive
CG-104-D-0100	Toluene	0.86 U	Trip blank	0.26	False positive
CG-1-S1-0100	Chloroform	5.94 U	Trip blank	2.45	False positive
	Methylene chloride	18.9 U	Trip blank	4.66	False positive
CG-101-S1-0100	Chloroform	21.6 U	Trip blank	56.1	False positive
CG-103-S1-0100	Chloroform	0.44 U	Trip blank	53.6	False positive
CG-5-D-0100	Toluene	0.12 U	Field blank	0.16	False positive
CG-4-D-0100	Chloroform	82 U	Trip blank	50.5	False positive
CG-102-D-0100	Toluene	0.32 U	Field blank	0.16	False positive
CG-102-S1-0100	Chloroform	1.65 U	Trip blank	53.1	False positive

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
2 <sup>nd</sup> Quarter CG-101-S1-0500	Chloroform	16.0 U	Field Blank	5.25	False positive
CG-Field blank-1-0500	Methylene chloride	5.25 U	Method blank	10.8	False positive
CG-9-S1-0500	sec-Butylbenzene	202 J	Above calibration range		Low or High
	1,1-dichloroethene	106 J	(undetected in dilution)		
	4-methyl-2-pentanone	177 J			
	1,2,4-trimethylbenzene	253 J			
	1,1-dichloroethane	864	Reported results for		None
	cis-1,2-dichloroethene	7,900	dilution analysis		
	trans-1,2-dichloroethene	7,120			
	Ethylbenzene	18,100			
	Toluene	5,560			
	1,1,1-trichloroethane	519			
	1,3,5-trimethylbenzene	560			
	Vinyl chloride	2,610			
	m,p-xylene	3,3,60			
	o-xylene	826			
CG-104-S1-0500	1,2-dichlorobenzene	3.49 J	SMC recovery	4-BFB = 155% recovery	High
	Isopropylbenzene	26.2 J		(undiluted analysis only)	
CG-104-S1-0500	Ethylbenzene	21.2 U	Trip blank	4.66	False positive

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
2 <sup>nd</sup> Quarter (cont.) CG-105-S1-0500	All VOC results, except:	Qualify non-detects JJ and detects J	SMC recovery (and above calibration range for chlorobenzene, <i>n</i> -propylbenzene, and 1,1,1-trichloroethane)	Toluene-d8 = 68% recovery	Low
	1,1-dichloroethene				
	<i>cis</i> -1,2-dichloroethene				
	Ethylbenzene				
	Toluene				
	1,2,4-trimethylbenzene				
	1,3,5-trimethylbenzene				
	Vinyl chloride				
	1,1-dichloroethene	391	Reported results from dilution analysis		
	<i>cis</i> -1,2-dichloroethene	3,320			
	Ethylbenzene	3,030			
	Toluene	22,000			
	1,2,4-trimethylbenzene	618			
	1,3,5-trimethylbenzene	1,160			
Vinyl chloride	344				
<i>m</i> , <i>p</i> -xylene	9,200				
<i>o</i> -xylene	1,790				
CG-105-I-0500	All VOC results, except:	Qualify non-detects JJ and detects J	SMC recovery (and above calibration range for 1,1-dichloroethane, 1,1-dichloroethene, toluene, and vinyl chloride)	1,2-dichloroethane-d4 = 76% recovery	Low
	<i>cis</i> -1,2-dichloroethene				
	<i>trans</i> -1,2-dichloroethene				
	Trichloroethene				
	<i>cis</i> -1,2-dichloroethene	58,300	Reported results from dilution analysis		
<i>trans</i> -1,2-dichloroethene	5,970				
Trichloroethene	96,600				

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
2 <sup>nd</sup> Quarter (cont.) CG-9-105-I-0500	All VOC results, except: <i>cis</i> -1,2-dichloroethene <i>trans</i> -1,2-dichloroethene Trichloroethene	Qualify non-detects UJ and detects J	SMC recovery (and above calibration range for 1,1-dichloroethane, 1,1-dichloroethene, toluene, and vinyl chloride)	1,2-dichloroethane-d4 = 76% recovery	Low
CG-8-S1-0500	<i>cis</i> -1,2-dichloroethene	53,300	Reported results from dilution analysis		None
	<i>trans</i> -1,2-dichloroethene	5,950			
	Trichloroethene	95,600			
	Benzene	31.1 J	SMC recovery	4-BFB = 170% recovery	High
	2-butanone	54.9 J			
	<i>sec</i> -butylbenzene	35.9 J			
	Chlorobenzene	11.5 J			
	1,2-dichlorobenzene	34.8 J			
	Dichlorodifluoromethane	9.08 J			
	1,2-dichloroethane	27.3 J			
	2-hexanone	11.7 J			
	Isopropylbenzene	43.3 J			
	<i>p</i> -isopropylbenzene	8.79 J			
Methylene chloride	53.2 J				
1,1,2-trichloroethane	5.72 J				
Trichloroethene	4.22 J				

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias	
3 <sup>rd</sup> Quarter CG-105-S1-0800	All VOC results, except:	Qualify non-detects JJ and detects J	SMC recovery (and above calibration range for chloroethane, 1,2-dichloroethane)	Toluene-d8 = 68% recovery	Low	
	1,1-dichloroethane	739	Reported results from dilution analysis		None	
	cis-1,2-dichloroethane	8,430				
	Ethylbenzene	3,380				
	Toluene	235,000				
	Trichloroethene	6,280				
	Vinyl chloride	705				
	m,p-xylene	9,810				
	o-xylene	2,470				
	All VOC results	Qualify all results JJ (undetected for all VOCs)	SMC recovery	4-BFB = 78% recovery	Low	
	CG-9-105-1-0800	1,1-dichloroethane	249 J	Above calibration range		Low or High
		1,1-dichloroethane	213 J	Above calibration range		
		cis-1,2-dichloroethane	44,900	Reported results from dilution analysis		None
trans-1,2-dichloroethane		4,660				
Toluene		549				
Trichloroethene	90,200					
Vinyl chloride	908					

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias				
3 <sup>rd</sup> Quarter (cont.) CG-1-S1-0800	1,1-dichloroethene	421	Reported results from dilution analysis		None				
	<i>cis</i> -1,2-dichloroethene	499							
	Ethylbenzene	3,630							
	Toluene	26,000							
	1,1,1-trichloroethane	667							
	1,2,4-trimethylbenzene	639							
	1,3,5-trimethylbenzene	165							
	<i>m,p</i> -xylene	9,490							
	<i>o</i> -xylene	2,820							
	CG-9-1-S1-0800	1,1-dichloroethene				414 J	SMC recovery (reported results from dilution analysis)	Toluene-d8 = 127% recovery	High
		<i>cis</i> -1,2-dichloroethene				476 J			
		Ethylbenzene				3,690 J			
		<i>n</i> -propylbenzene				124 J			
Toluene		27,800 J							
1,1,1-trichloroethane		626 J							
1,2,4-trimethylbenzene		651 J							
1,3,5-trimethylbenzene		227 J							
<i>m,p</i> -xylene		9,530 J							
<i>o</i> -xylene		2,880 J							
CG-1-I-0800	<i>cis</i> -1,2-dichloroethene	27 J	SMC recovery	Toluene-d8 = 126% recovery	High				
	<i>trans</i> -1,2-dichloroethene	7.74 J							
	Trichloroethene	1.18 J							
	Vinyl chloride	10.8 J							

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
3 <sup>rd</sup> Quarter (cont.) CG-11-1-0800	2-butanone	2,250 J	Above calibration range		Low or High
	<i>trans</i> -1,2-dichloroethene	165 J	Above calibration range		
	Methylene chloride	236 J	Above calibration range		
	4-methyl-2-pentanone	2,520 J	Above calibration range		
	<i>n</i> -propylbenzene	172 J	Above calibration range		
	1,1-dichloroethane	983 J	SMC recovery	Toluene-d8 = 127% recovery	High
	1,2-dichloroethane	618 J	Rported results from dilution analysis		
	<i>cis</i> -1,2-dichloroethene	12,700 J			
	Ethylbenzene	4,950 J			
	Toluene	53,500 J			
	1,1,1-trichloroethane	1,320 J			
	1,2,4-trimethylbenzene	873 J			
	1,3,5-trimethylbenzene	220 J			
	vinyl chloride	340 J			
<i>m,p</i> -xylene	14,500 J				
<i>o</i> -xylene	2,960 J				
Chloroform		127 UJ	Above calibration range and detected in field blank	Detected in field blank at 58.9	False positive
CG-4-D-0800	Ethylbenzene Toluene	1.79 J 1.51 J	SMC recovery	Toluene-d8 = 126% recovery	High
V1-0800	<i>cis</i> -1,2-dichloroethene Vinyl chloride	424 94.4	Reported result from dilution analysis		None



Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias	
3 <sup>rd</sup> Quarter (cont.) CG-9-S1-0800	1,1,1-trichloroethane	846 J	Above calibration range		Low or High	
	1,24-trimethylbenzene	413 J				
	1,3,5-trimethylbenzene	125 J				
	1,1-dichloroethane	1,210	Reported results from dilution analysis		None	
	cis-1-2-dichloroethene	8,740				
	Ethylbenzene	20,300				
	Toluene	11,300				
	Vinyl chloride	5,590				
	m,p-xylene	6,400				
	o-xylene	1,380				
	CG-8-S1-0800	1,3,5-trimethylbenzene	149 J	Above calibration range		Low or High
		Chloroethane	896			
		1,1-dichloroethane	1,100	Reported results from dilution analysis		None
cis-1-2-dichloroethene		2,790				
Ethylbenzene		10,400				
Naphthalene		308				
Toluene		4,720				
1,2,4-trimethylbenzene		576				
Vinyl chloride		742				
m,p-xylene		3,720				
o-xylene		1,440				
CG-2-S1-0800		All VOC results	Quality non-detects JJ and detects J	SMC recovery	4-BFB = 76% percent	

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
3 <sup>rd</sup> Quarter (cont.) CG-111-I-0800	All VOC results	Qualify non-detects UJ and detects J	SMC recovery	4-BFB = 70 percent	
CG-104-S1-0800	All detected VOC results except: Chloroethane 1,1-dichloroethane Toluene 1,2,4-trimethylbenzene m,p-xylene	Qualify detects J	SMC recovery	4-BFB = 70 percent	Low
			Reported results from secondary dilution with acceptable		None

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
4 <sup>th</sup> Quarter					
CG-104-S1-1100	1,1-dichloroethane	244 J	Above calibration range		Low or High
	<i>o</i> -xylene	589 J	Above calibration range		
CG-11-S1-1100	Chloroethane	320 J	SMC recoveries (qualify	1,2-dichloroethane-d4 =	Low or High
	2-butanone	630 J	detects only); and above	358% recovery	
	Chlorobenzene	8.61 J	calibration range for	Toluene-d8 = 72.5% recovery	
	1,2-dichlorobenzene	21.0 J	2-butanone, chlorobenzene,	4-BFB = 1,590% recovery	
	1,1-dichloroethane	1,460 J	<i>trans</i> -1,2-dichloroethene,		
	1,2-dichloroethane	1,100 J	methylene chloride,		
	1,1-dichloroethene	54.7 J	4-methyl-2-pentanone		
	<i>cis</i> -1,2-dichloroethene	14,500 J			
	<i>trans</i> -1,2-dichloroethene	177 J			
	Ethylbenzene	4,100 J			
	1,1,2-trichloro-1,2,2-	739 J			
	trifluoroethane				
	Methylene chloride	135 J			
	4-methyl-2-pentanone	2,790 J			
	Naphthalene	27.9 J			
	Tetrachloroethene	52.2 J			
	Toluene	66,900 J			
	1,1,1-trichloroethane	1,600 J			
	vinyl chloride	1,000 J			
	<i>m,p</i> -xylene	12,800 J			
	<i>o</i> -xylene	2,610 J			

**Note:** All concentrations in µg/L

4-BFB - 4-bromofluorobenzene

QC - quality control

SMC - system monitoring compound

VOC - volatile organic compound

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
1 <sup>st</sup> Quarter CG-111-I-0100	Sulfate	1.0 mg/L UJ	Laboratory duplicate	RPD = 26.8%	Low or high
CG-104-I-0100	Nitrate/nitrite	0.025 mg/L UJ	Laboratory duplicate	RPD = 109%	Low or high
CG-104-S1-0100	Nitrate/nitrite	0.135 mg/L J	Laboratory duplicate	RPD = 109%	Low or high
CG-101-S1-0100	Nitrate/nitrite	0.280 mg/L J	Laboratory duplicate	RPD = 109%	Low or high
CG-9-101-S1-0100	Nitrate/nitrite	0.297 mg/L J	Laboratory duplicate	RPD = 27%	Low or high
CG-104-I-0100	Sulfate	1.00 mg/L UJ	Laboratory duplicate	RPD = 27%	Low or high
CG-104-S1-0100	Sulfate	1.09 mg/L J	Laboratory duplicate	RPD = 27%	Low or high
CG-101-S1-0100	Sulfate	2.28 mg/L J	Laboratory duplicate	RPD = 27%	Low or high
CG-9-101-S1-0100	Sulfate	2.26 mg/L J	Laboratory duplicate	RPD = 27%	Low or high
2 <sup>nd</sup> Quarter CG-11-S1-0500	Methane Ferrous Iron	448 mg/L J 11.7 mg/L J	Laboratory duplicate Matrix spike	RPD = 76% 53% recovery	Low or high
CG-11-I-0500	Methane Ferrous Iron	13,000 mg/L J 0.885 mg/L J	Laboratory duplicate Matrix spike	RPD = 76% 53% recovery	Low or high
CG-111-I-0500	Methane	9,690 mg/L J	Laboratory duplicate	RPD = 76%	Low or high
CG-9-S1-0500	Chloride Methane	48.8 mg/L J 34.3 mg/L J	Matrix spike Laboratory duplicate	122% recovery RPD = 76%	High Low or high
Trip blank (Lab Job No. BOE0386)	Methane	1.82 mg/L J	Laboratory duplicate	RPD = 76%	Low or high
CG-104-S1-0500	Methane Ethane	2,240 mg/L J 200 mg/L UJ	Laboratory duplicate Laboratory duplicate	RPD = 40% RPD = 46%	Low or high Low or high

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
CG-104-S2-0500	Methane Ethane	1,120 mg/L J 376 mg/L J	Laboratory duplicate	RPD = 40% RPD = 46%	Low or high Low or high
Trip blank(Lab Job No. BOF0025)	Methane Ethane	2.06 mg/L J 10 mg/L JJ	Laboratory duplicate Laboratory duplicate	RPD = 40% RPD = 46%	Low or high Low or high
2 <sup>nd</sup> Quarter (cont.) CG-105-S2-0500	Gasoline-range organics	414 mg/L J	Surrogate recovery	4-BFB = 162%	High
CG-105-S1-0500	Ferrous iron	44.7 mg/L J	Matrix spike	72% recovery	Low
CG-105-S2-0500	Ferrous iron	7.18 mg/L J	Matrix spike	72% recovery	Low
CG-105-I-0500	Ferrous iron	0.500 mg/L UU	Matrix spike	72% recovery	Low
CG-9-105-I-0500	Ferrous iron	0.500 mg/L UU	Matrix spike	72% recovery	Low
CG-7-S1-0500	Gasoline-range organics	1,350 mg/L J	Surrogate recovery	4-BFB = 180%	High
CG-9I-S1-0500	Ferrous iron Methane	0.500 mg/L UU 6,180 mg/L J	Matrix spike Lab duplicate	63% recovery RPD = 76%	Low Low or high
Trip blank (Lab Job No. BOE0356)	Methane	1.90 mg/L J	Lab duplicate	RPD = 76%	Low or high
3 <sup>rd</sup> Quarter CG-105-S2-0800	Gasoline-range organics	207 mg/L J	Surrogate recovery	4-BFB = 182%	High
CG-104-S2-0800	Sulfide	5.00 mg/L UU	Laboratory duplicate	RPD = 80%	Low or high
CG-104-I-0800	Sulfide	5.00 mg/L UU	Laboratory duplicate	RPD = 80%	Low or high

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
3 <sup>rd</sup> Quarter (cont.) CG-105-S2	Sulfide	5.00 mg/L JJ	Laboratory duplicate	RPD = 80%	Low or high
CG-105-I-0800	Sulfide Methane	5.00 mg/L JJ 16,300 mg/L J	Laboratory duplicate Laboratory duplicate	RPD = 80% RPD = 58%	Low or high
CG-9-105-I-0800	Sulfide	5.00 mg/L JJ	Laboratory duplicate	RPD = 80%	Low or high
Trip blank (in No. BOH0391)	Methane	18,100 mg/L J 4.04 mg/L J	Laboratory duplicate Laboratory duplicate	RPD = 58% RPD = 58%	Low or high
CG-11-S1-0800	Manganese (unfiltered)	1.51 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
	Chloride	50.0 mg/L J	Matrix spike	76% recovery	Low
CG-11-I-0800	Manganese (unfiltered)	0.233 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
	Chloride	52.9 mg/L J	Matrix spike	76% recovery	Low
CG-5-D-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-5-S1-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-5-I-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-7-S1-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-6-S1-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-10-S1-0800	Cyanide	0.0100 mg/L JJ	Matrix spike	69% recovery	Low
CG-9-S1-0800	Manganese (unfiltered)	1.35 mg/L J	Matrix spikes	130% recovery and 130% recovery	High

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
3 <sup>rd</sup> Quarter (cont.) CG-9-I-0800	Manganese (unfiltered)	0.060 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
CG-4-D-0800	Cyanide	0.0100 mg/L UJ	Matrix spike	69% recovery	Low
CG-9-S1-0800	Cyanide	0.0179 mg/L J	Matrix spike	69% recovery	Low
CG-9-I-0800	Cyanide	0.0100 mg/L UJ	Matrix spike	69% recovery	Low
CG-8-S1-0800	Cyanide	0.0100 mg/L UJ	Matrix spike	69% recovery	Low
CG-2-D-0800	Cyanide	0.0100 mg/L UJ	Matrix spike	69% recovery	Low
Field blank 2 (in No. BOH)	Cyanide	0.0100 mg/L UJ	Matrix spike	69% recovery	Low
CG-111-I-0800	Manganese (unfiltered)	0.177 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
CG-101-S1-0800	Sulfate	5.00 mg/L UJ	Laboratory duplicate	RPD = 80%	Low or high
	Manganese (unfiltered)	0.0377 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
	Sulfate	5.00 mg/L UJ	Laboratory duplicate	RPD = 80%	Low or high
CG-104-S1-0800	Manganese (unfiltered)	0.518 mg/L J	Matrix spikes	130% recovery and 130% recovery	High
	Sulfate	5.00 mg/L	Laboratory duplicate	RPD = 80%	Low or high
CG-2-I-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low
CG-02-S1-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low

Summary of Qualified Data - Year 2000 (cont.)

Affected Samples	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
3 <sup>rd</sup> Quarter (cont.) CG-111-I-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low
CG-101-S1-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low
CG-3-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low
CG-104-S1-0800	Cyanide	0.0100 mg/L J	Matrix spike	69% recovery	Low
4 <sup>th</sup> Quarter CG-104-S1-1100	Nitrite-nitrogen	0.1000 mg/L UJ	Holding time	>24 hr.	Low or high
	Nitrite-nitrogen	0.1000 mg/L UJ	Holding time	>24 hr.	Low or high
	Carbon dioxide	58.1 mg/L J	Holding time	>24 hr.	Low or high
CG-104-S1-1100	Gasoline-range organics	30,900 mg/L J	Laboratory duplicate	RPD = 31%	Low or high
CG-104-D-1100	Gasoline-range organics	60.8 mg/L J	Laboratory duplicate	RPD = 31%	Low or high
CG-103-S1-1100	Gasoline-range organics	50.0 mg/L UJ	Laboratory duplicate	RPD = 31%	Low or high
CG-103-S2-1100	Gasoline-range organics	50.0 mg/L UJ	Laboratory duplicate	RPD = 31%	Low or high
CG-103-I-1100	Gasoline-range organics	50.0 mg/L UJ	Laboratory duplicate	RPD = 31%	Low or high

Note: J - estimated

QC - quality control

RPD - relative percent difference

U - undetected at detection limit shown



### Summary of Qualified Data - First Quarter 2001

Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
CG-11-I-0201	Ferric iron Ferrous iron	2.58 mg/L J	Holding time > 24 hrs.	NA	Unknown
		0.500 mg/L JJ	Holding time > 24 hrs.	NA	Unknown
CG-105-I-0201	NWTPH-gasoline	36,000 µg/L J	Analyte quantified based on too few peaks		False positive
CG-105-I-0201	Arsenic Selenium	0.01000 mg/L JJ	Duplicate matrix spikes	RPD = 22 percent	Low or high
		0.01000 mg/L JJ	Duplicate matrix spikes	RPD = 24 percent	
CG-105-I-0201	Ferric iron Ferrous iron	2.02 mg/L J	Holding time > 24 hrs.	NA	Unknown
		0.500 mg/L JJ	Holding time > 24 hrs.	NA	
CG-105-S1-0201	All VOCs reported as detected only	Value reported µg/L J	SMC Toluene-d8 above upper control limit of 120 percent	126 percent	High
CG-105-S1-0201	Methylene chloride	51.6 µg/L U	Trip and field bank contamination	27.6 and 6.51 µg/L	False positive
CG-105-S2-0201	Methylene chloride	25.5 µg/L U	Trip and field bank contamination	27.6 and 6.51 µg/L	False positive
CG-9-105-S2-0201	Methylene chloride	32.3 µg/L U	Trip and field bank contamination	27.6 and 6.51 µg/L	False positive
CG-105-S1-0201	Ferric iron Ferrous iron	36.4 mg/L J	Holding time > 24 hrs.	NA	Unknown
		42.2 mg/L J	Holding time > 24 hrs.	NA	
CG-105-S2-0201	Ferric iron Ferrous iron	12.7 mg/L J	Holding time > 24 hrs.	NA	Unknown
		7.02 mg/L J	Holding time > 24 hrs.	NA	
CG-9-105-S2-0201	Ferric iron Ferrous iron	12.7 mg/L J	Holding time > 24 hrs.	NA	Unknown
		7.43 mg/L J	Holding time > 24 hrs.	NA	
Field blank (collected on 2/21/01)	Ferric iron Ferrous iron	0.500 mg/L JJ	Holding time > 24 hrs.	NA	Unknown
		0.500 mg/L JJ	Holding time > 24 hrs.	NA	

### Summary of Qualified Data - First Quarter 2001 (cont.)

Affected Sample	Analyte	Qualifier Assigned		QC Reason	QC Result	Possible Bias
		If detected $\mu\text{g/L}$	If undetected $\mu\text{g/L}$			
CG-11-S1-0201	All VOCs	J	J	SMC 4-Bromofluorobenzene below 78.2 percent control limit of 50 percent	below 78.2 percent	Low
CG-11-S1-0201	Ferric iron	16.4 mg/L	J	Holding time > 24 hrs.	NA	Unknown
	Ferrous iron	20.6 mg/L	J	Holding time > 24 hrs.	NA	Unknown
CG-9-S1-0201	Ferric iron	11.9 mg/L	J	Holding time > 24 hrs.	NA	Unknown
	Ferrous iron	14.6 mg/L	J	Holding time > 24 hrs.	NA	Unknown
CG-9-I-0201	Ferric iron	5.7 mg/L	J	Holding time > 24 hrs.	NA	Unknown
	Ferrous iron	0.500 mg/L	J	Holding time > 24 hrs.	NA	Unknown
CG-2-S1-0201	1,1-Dichloroethane	4.52 $\mu\text{g/L}$	U	Trip blank contamination	2.52 $\mu\text{g/L}$	False positive
	cis-1,2-Dichloroethane	6.99 $\mu\text{g/L}$	U	Trip blank contamination	2.76 $\mu\text{g/L}$	False positive
	Toluene	2.03 $\mu\text{g/L}$	U	Trip blank contamination	1.50 $\mu\text{g/L}$	False positive
CG-2-D-0201	1,1-Dichloroethane	5.27 $\mu\text{g/L}$	U	Trip blank contamination	2.52 $\mu\text{g/L}$	False positive
	cis-1,2-Dichloroethane	5.69 $\mu\text{g/L}$	U	Trip blank contamination	2.76 $\mu\text{g/L}$	False positive
CG-7-S1-0201	NWTPH-gasoline	260 $\mu\text{g/L}$	J	SMC recovery above upper lower control limit of 150%	4-Bromofluorobenzene = 155 percent	High
CG-1-S1-0201	All VOCs reported as detected only	Value reported $\mu\text{g/L}$	J	SMC Toluene-d8 above upper control limit of 120 percent	156 percent	High
CG-1-S1-0201	1,1,2-Trichloro-1,2,2-trifluoroethane	116 $\mu\text{g/L}$	J	Above calibration range	NA	Low or high
CG-104-I-0201	Methylene chloride	13.6 $\mu\text{g/L}$	U	Trip blank contamination	11.2 $\mu\text{g/L}$	False positive
CG-104-S2-0201	Methylene chloride	24.2 $\mu\text{g/L}$	U	Trip blank contamination	11.2 $\mu\text{g/L}$	False positive
CG-104-S1-0201	All VOCs reported as detected only	Value reported $\mu\text{g/L}$	J	SMC Toluene-d8 above upper control limit of 120 percent	125 percent	High

Summary of Qualified Data - First Quarter 2001 (cont.)

Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
CG-104-S1-0201	Methylene chloride	28.5 µg/L U	Trip blank contamination	11.2 µg/L	False positive
CG-103-S1-0201	Methylene chloride	13.7 µg/L U	Trip blank contamination	11.2 µg/L	False positive
CG-103-S2-0201	Methylene chloride	18.6 µg/L U	Trip blank contamination	11.2 µg/L	False positive
CG-104-I-0201	Ferric iron Ferrous iron	11.2 mg/L J 1.80 mg/L J	Holding time > 24 hrs. Holding time > 24 hrs.	NA NA	Unknown Unknown
CG-104-S2-0201	Ferric iron Ferrous iron	8.08 mg/L J 4.20 mg/L J	Holding time > 24 hrs. Holding time > 24 hrs.	NA NA	Unknown Unknown
CG-104-S1-0201	Ferric iron Ferrous iron	21.9 mg/L J 7.45 mg/L J	Holding time > 24 hrs. Holding time > 24 hrs.	NA NA	Unknown Unknown
CG-101-S1-0201	Ferric iron Ferrous iron	0.500 mg/L UJ 0.500 mg/L UJ	Holding time > 24 hrs. Holding time > 24 hrs.	NA NA	Unknown Unknown
CG-101-S1-0201	Methylene chloride	29.3 µg/L U	Trip blank contamination	8.97 µg/L	False positive
CG-5-S1-0201	Methylene chloride	20.3 µg/L U	Trip blank contamination	8.97 µg/L	False positive
CG-5-I-0201	Methylene chloride	10.7 µg/L U	Trip blank contamination	8.97 µg/L	False positive
CG-3-I-0201	Methylene chloride	48.6 µg/L U	Trip blank contamination	11.7 µg/L	False positive
CG-111-I-0201	Methylene chloride	10.0 µg/L U	Trip blank contamination	11.7 µg/L	False positive
CG-111-I-0201	Ferric iron Ferrous iron	8.18 mg/L J 0.500 mg/L UJ	Holding time > 24 hrs. Holding time > 24 hrs.	NA NA	Unknown Unknown

**Note:** J - estimated  
 NA - not applicable  
 QC - quality control  
 SMC - system monitoring compound  
 U - undetected at reporting limit shown  
 VOC - volatile organic compound

## Summary of Qualified Data - Second Quarter 2001

Affected Sample	Analyte	Result and		QC Reason	Possible Bias	
		Qualifier Assigned	Assigned		QC Result	Bias
<b>First Quarter</b>						
CG-102-I-0501	Benzene	4.01 µg/L	J	SMC Toluene-d <sub>8</sub> > 124 percent UCL	131 percent recovery	High
	cis-1,2-Dichloroethene	5.12 µg/L	J	SMC Toluene-d <sub>8</sub> > 124 percent UCL	131 percent recovery	High
	Vinyl chloride	1.95 µg/L	J	SMC Toluene-d <sub>8</sub> > 124 percent UCL	131 percent recovery	High
CG-9-S1-0501	Diesel-range hydrocarbons	3.37 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-9-S1-0501	Chloroform	12.0 µg/L	U	Field blank contamination	29.8 µg/L	False positive
CG-9-S1-0501	Ferric iron	15.0 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	17.0 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-9-I-0501	Ferric iron	2.64 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	0.500 mg/L	UU	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-101-S1-0501	Chloroform	17.3 µg/L	U	Field blank contamination	29.8 µg/L	False positive
CG-111-I-0501	Ferric iron	39.2 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	0.500 mg/L	UU	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-111-I-0501	Ferric iron	9.0 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	0.500 mg/L	UU	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-1-S1-0501	Diesel-range hydrocarbons	0.455 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-1-S1-0501 (re-extraction)	Diesel-range hydrocarbons	0.709 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-9-1-S1-0501	Diesel-range hydrocarbons	0.885 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive

Summary of Qualified Data - Second Quarter 2001 (cont.)

Affected Sample First Quarter (cont.)	Analyte	Result and Qualifier Assigned		QC Reason	QC Result	Possible Bias
		1,250 µg/L	J			
CG-112-S1-0501	Gasoline-range organics	1,250 µg/L	J	SMC 4-Bromofluorobenzene >150 percent UCL	152 percent recovery	High
CG-113-S1-0501	Diesel-range hydrocarbons	2.53 mg/L	J	Overlap of peaks attributed to high con- centration of gasoline-range organics	NA	High or false positive
CG-104-S1-0501	Diesel-range hydrocarbons	4.51 mg/L	J	Overlap of peaks attributed to high con- centration of gasoline-range organics	NA	High or false positive
CG-112-S1-0501	Diesel-range hydrocarbons	1.38 mg/L	U	Field blank contamination	0.286 µg/L	False positive
CG-104-S2-0501	Diesel-range hydrocarbons	0.332 mg/L	U	Trip blank contamination	2.03 µg/L	False positive
CG-112-S1-0501	Chloroethane	284 µg/L		Result to report from dilution	NA	NA
	1,1-Dichloroethane	85.5 µg/L		Result to report from secondary	NA	NA
	Ethylbenzene	74.0 µg/L		Result to report from dilution	NA	NA
	Toluene	3.1 µg/L	U	Field blank contamination	0.286 µg/L	False positive
CG-113-S1-0501	Ethylbenzene Ethylbenzene	15,700 µg/L 4,060 µg/L		Result to report from dilution Result to report from dilution	NA NA	NA NA
CG-104-S1-0501	Ethylbenzene Toluene m,p-Xylene o-Xylene	16,000 µg/L 4,120 µg/L 2,330 µg/L 668 µg/L		Result to report from dilution Result to report from dilution Result to report from dilution Result to report from dilution	NA NA NA NA	NA NA NA NA
CG-112-S1-0501	Ferric iron Ferrous iron	9.04 mg/L 12.8 mg/L	J J	Holding time > 24 hrs. Holding time > 24 hrs.	> 24 hrs. > 24 hrs.	Low or high Low or high
CG-104-I-0501	Ferric iron Ferrous iron	21.4 mg/L 0.500 mg/L	J UJ	Holding time > 24 hrs. Holding time > 24 hrs.	> 24 hrs. > 24 hrs.	Low or high Low or high

Summary of Qualified Data - Second Quarter 2001 (cont.)

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias	
		Qualifier	Assigned				
First Quarter (cont.) CG-104-S2-0501	Ferric iron	3.73	mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	5.14	mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-S1-0501	Ferric iron	0.500	mg/L	UU	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	15.7	mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high*
CG-4-D-0501	Diesel-range hydrocarbons	0.557	mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-105-S1-0501	Diesel-range hydrocarbons	22.5	mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-105-S2-0501	Diesel-range hydrocarbons	0.721	mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-3-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-4-D-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-105-S1-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-105-S2-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-105-I-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-9-105-I-0501	Silver	0.001	mg/L	UU	Matrix spike <32 percent LCL	20.2 percent recovery	Low
CG-105-S1-0501	1,2,4-Trimethylbenzene	570	µg/L		Result to report from dilution	NA	NA
	1,1-Dichloroethane	805	µg/L		Result to report from dilution	NA	NA
	cis-1,2-Dichloroethene	7,040	µg/L		Result to report from dilution	NA	NA
	Ethylbenzene	2,720	µg/L		Result to report from dilution	NA	NA
	Toluene	24,500	µg/L		Result to report from dilution	NA	NA
	Vinyl chloride	892	µg/L		Result to report from dilution	NA	NA
	m,p-Xylene	8,860	µg/L		Result to report from dilution	NA	NA
	o-Xylene	1,910	µg/L		Result to report from dilution	NA	NA

Summary of Qualified Data - Second Quarter 2001 (cont.)

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias
		Qualifier	Assigned			
First Quarter (cont.) CG-105-I-0501	1,1-Dichloroethane	149	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
	1,1-Dichloroethane	130	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
	Toluene	379	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
	<i>cis</i> -1,2-Dichloroethene	38,600	µg/L	Result to report from dilution	NA	NA
	<i>trans</i> -1,2-Dichloroethene	5,620	µg/L	Result to report from dilution	NA	NA
	Trichloroethene	72,900	µg/L	Result to report from dilution	NA	NA
	Vinyl chloride	786	µg/L	Result to report from dilution	NA	NA
	1,1-Dichloroethane	136	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
	1,1-Dichloroethane	117	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
	Toluene	368	µg/L J	Result to report from undiluted analysis; result reported as undetected from secondary dilution that was too high	NA	Low or High
CG-9-105-I-0501	<i>cis</i> -1,2-Dichloroethene	45,900	µg/L	Result to report from dilution	NA	NA
	<i>trans</i> -1,2-Dichloroethene	5,640	µg/L	Result to report from dilution	NA	NA
	Trichloroethene	69,700	µg/L	Result to report from dilution	NA	NA
	Vinyl chloride	832	µg/L	Result to report from dilution	NA	NA
CG-9-105-I-0501	Gasoline-range organics	24,700	µg/L J	Quantification based on too few peaks	NA	High or false positive
CG-9-105-I-0501	Gasoline-range organics	26,700	µg/L J	Quantification based on too few peaks	NA	High or false positive

Summary of Qualified Data - Second Quarter 2001 (cont.)

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias
		Qualifier	Assigned			
First Quarter (cont.) CG-4-D-0501	Ferric iron	J	1.80 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	J	59.2 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-105-S2-0501	Ferric iron	J	1.93 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	J	7.84 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-105-I-0501	Ferric iron	J	7.47 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	UU	0.500 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-9-105-I-0501	Ferric iron	J	8.61 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	UU	0.500 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-11-S1-0501	Diesel-range hydrocarbons	J	19.3 mg/L	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-11-S1-0501	Silver	UU	0.001 mg/L	Matrix spike <32 percent LCL	25.0 percent recovery	Low
CG-11-I-0501	Silver	UU	0.001 mg/L	Matrix spike <32 percent LCL	25.0 percent recovery	Low
CG-12-I-0501	Silver	UU	0.001 mg/L	Matrix spike <32 percent LCL	25.0 percent recovery	Low
CG-2-S1-0501	Silver	UU	0.001 mg/L	Matrix spike <32 percent LCL	25.0 percent recovery	Low
CG-11-S1-0501	4-methyl-2-pentanone	J	692 µg/L	Result to report from undiluted analysis; secondary dilution not completed	NA	Low or High
CG-11-I-0501	Carbon disulfide	J	1.93 µg/L	SMC Toluene-d <sub>8</sub> >124 percent UCL	126 percent recovery	High
	1,2-dichlorobenzene	J	5.16 µg/L	SMC Toluene-d <sub>8</sub> >124 percent UCL	126 percent recovery	High
	Ethylbenzene	J	1.06 µg/L	SMC Toluene-d <sub>8</sub> >124 percent UCL	126 percent recovery	High
	Toluene	J	2.30 µg/L	SMC Toluene-d <sub>8</sub> >124 percent UCL	126 percent recovery	High
CG-11-S1-0501	Ferric iron	J	24.6 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	J	19.4 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high



Summary of Qualified Data - Second Quarter 2001 (cont.)

Affected Sample	Analyte	Result and Qualifier Assigned	QC Reason	QC Result	Possible Bias
<b>First Quarter (cont.)</b>					
CG-11-I-0501	Ferric iron	4.12 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	0.500 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
<p><b>Note:</b> J - estimated            LCL - lower control limit            NA - not applicable            QC - quality control            SMC - system monitoring compound            U - undetected at reporting limit shown            UCL - upper control limit</p>					
		Total J qualified	48		
		Total UJ qualified	17		
		Total restated U	5		

Summary of Qualified Data - Third Quarter 2001

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias
		Qualifier	Assigned			
CG-104-S1-0801	Ferric iron	12.8 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	23.7 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	1,2,4-Trimethylbenzene	278 µg/L		Result to report from dilution	NA	NA
	1,1-Dichloroethane	353 µg/L		Result to report from dilution	NA	NA
	1,1,2-Trichloro-1,2,2-trifluoro-ethane	101 µg/L		Result to report from dilution	NA	NA
	Naphthalene	54.7 µg/L		Result to report from dilution	NA	NA
	1,1,1-Trichloroethane	70.2 µg/L		Result to report from dilution	NA	NA
	Vinyl chloride	240 µg/L		Result to report from dilution	NA	NA
	<i>m,p</i> -Xylene	1,100 µg/L		Result to report from dilution	NA	NA
	<i>o</i> -Xylene	527 µg/L		Result to report from dilution	NA	NA
CG-104-I-0801	Ethylbenzene	13,400 µg/L		Result to report from dilution	NA	NA
	Toluene	2,510 µg/L		Result to report from dilution	NA	NA
	Ferric iron	5.24 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-113-S1-0801	Ferrous iron	0.500 mg/L	UU	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Total organic carbon	13.1 mg/L	J	Matrix spike >125 percent UCL	234 percent	High
	Vinyl chloride	1,700 µg/L		Result to report from dilution	NA	NA
	Ferric iron	16.7 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-S1-0801	Ferrous iron	9.47 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Diesel-range hydrocarbons	2.74 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
	Chloroform	1.41 µg/L	U	Field blank contamination	25.5 µg/L	False positive
	1,2,4-Trimethylbenzene	140 µg/L		Result to report from dilution	NA	NA
	1,1-Dichloroethane	300 µg/L		Result to report from dilution	NA	NA
	1,1,2-Trichloro-1,2,2-trifluoro-ethane	63.9 µg/L		Result to report from dilution	NA	NA
	Vinyl chloride	68.1 µg/L		Result to report from dilution	NA	NA
	<i>m,p</i> -Xylene	949 µg/L		Result to report from dilution	NA	NA
	<i>o</i> -Xylene	258 µg/L		Result to report from dilution	NA	NA
	Ethylbenzene	6,920 µg/L		Result to report from dilution	NA	NA
Toluene	1,140 µg/L		Result to report from dilution	NA	NA	

Summary of Qualified Data - Third Quarter 2001 (cont.)

Affected Sample	Analyte	Result and Qualifier Assigned		QC Reason	QC Result	Possible Bias	
		50.0 µg/L	UJ			Unpreserved in field	Low or high
CG-104-D-0801	Gasoline-range hydrocarbons	50.0 µg/L	UJ	Unpreserved in field	NA		
CG-112-S1-0801	1,2,4-Trimethylbenzene	70.6 µg/L		Result to report from dilution	NA		NA
	1,1-Dichloroethane	172 µg/L		Result to report from dilution	NA		NA
	Ethylbenzene	97.2 µg/L		Result to report from dilution	NA		NA
	Naphthalene	44.8 µg/L		Result to report from dilution	NA		NA
CG-103-I-0801	Gasoline-range hydrocarbons	50.0 µg/L	UJ	Unpreserved in field	NA		Low or high
CG-102-D-0801	Gasoline-range hydrocarbons	50.0 µg/L	UJ	Unpreserved in field	NA		Low or high
CG-101-S1-0801	Chloroform	6.31 µg/L	U	Field blank contamination	25.5 µg/L		False positive
	Ferric iron	0.500 mg/L	UJ	Holding time > 24 hrs.	> 24 hrs.		Low or high
	Ferrous iron	0.500 mg/L	UJ	Holding time > 24 hrs.	> 24 hrs.		Low or high
CG-111-I-0801	Ferric iron	3.78 mg/L	J	Holding time > 24 hrs.	> 24 hrs.		Low or high
	Ferrous iron	0.500 mg/L	UJ	Holding time > 24 hrs.	> 24 hrs.		Low or high
	Methane	38,400 µg/L	J	Air bubbles in sample	NA		Low or high
	Ethane	10.0 µg/L	UJ	Air bubbles in sample	NA		Low or high
	Ethene	10.0 µg/L	UJ	Air bubbles in sample	NA		Low or high
CG-2-D-0801	Gasoline-range hydrocarbons	50.0 µg/L	J	Unpreserved in field	NA		Low or high
CG-9-S1-0801	Diesel-range hydrocarbons	4.43 mg/L	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA		High or false positive
	1,1-Dichloroethane	1,250 µg/L		Result to report from dilution	NA		NA
	cis-1,2-Dichloroethene	8,690 µg/L		Result to report from dilution	NA		NA
	Ethylbenzene	17,100 µg/L		Result to report from dilution	NA		NA
	Toluene	8,190 µg/L		Result to report from dilution	NA		NA
	Vinyl chloride	2,650 µg/L		Result to report from dilution	NA		NA
	m,p-Xylene	5,510 µg/L		Result to report from dilution	NA		NA
	o-Xylene	1,140 µg/L		Result to report from dilution	NA		NA
	Ferric iron	13.8 mg/L	J	Holding time > 24 hrs.	> 24 hrs.		Low or high
	Ferrous iron	27.8 mg/L	J	Holding time > 24 hrs.	> 24 hrs.		Low or high

Summary of Qualified Data - Third Quarter 2001 (cont.)

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias
		Qualifier Assigned	Value			
CG-9-I-0801	Ferric iron	J	1.90 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	UU	0.500 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-S2-0801	Ferric iron	J	9.31 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	J	7.92 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-5-D-0801	Gasoline-range hydrocarbons	UU	50.0 µg/L	Unpreserved in field	NA	Low or high
CG-1-S1-0801	Diesel-range hydrocarbons	J	0.657 mg/L	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
CG-11-S1-0801	Diesel-range hydrocarbons	J	16.2 mg/L	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false positive
	Chloroform	U	33.9 µg/L	Field blank contamination	25.5 µg/L	False positive
CG-11-S1-0801	4-Methyl-2-pentanone	J	267 µg/L	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high
	1,2,4-Trimethylbenzene		489 µg/L	Result to report from dilution	NA	NA
	1,1-Dichloroethane		545 µg/L	Result to report from dilution	NA	NA
	1,2-Dichloroethane		181 µg/L	Result to report from dilution	NA	NA
	cis-1,2-Dichloroethene		3,830 µg/L	Result to report from dilution	NA	NA
	Ethylbenzene		2,800 µg/L	Result to report from dilution	NA	NA
	1,1,2-Trichloro-1,2,2-trifluoroethane		795 µg/L	Result to report from dilution	NA	NA
	ethane		887 µg/L	Result to report from dilution	NA	NA
	1,1,1-Trichloroethane		689 µg/L	Result to report from dilution	NA	NA
	Trichlorofluoromethane		269 µg/L	Result to report from dilution	NA	NA
	Vinyl chloride		7,770 µg/L	Result to report from dilution	NA	NA
	m,p-Xylene		1,720 µg/L	Result to report from dilution	NA	NA
o-Xylene		24,600 µg/L	Result to report from dilution	NA	NA	
Toluene		20.4 mg/L	Result to report from dilution	> 24 hrs.	Low or high	
Ferric iron		2.58 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high	
Ferrous iron			Holding time > 24 hrs.	> 24 hrs.	Low or high	

Summary of Qualified Data - Third Quarter 2001 (cont.)

Affected Sample	Analyte	Result and Qualifier Assigned	QC Reason	QC Result	Possible Bias	
					QC Result	Bias
CG-10-S1-0801	<i>cis</i> -1,2-Dichloroethene	259 $\mu$ g/L	Result to report from dilution	NA	NA	NA
CG-9-10-S1-0801	<i>cis</i> -1,2-Dichloroethene	302 $\mu$ g/L	Result to report from dilution	NA	NA	NA
CG-1-S1-0801	Ethylbenzene	80.0 $\mu$ g/L	Result to report from dilution	NA	NA	NA
	Toluene	842 $\mu$ g/L	Result to report from dilution	NA	NA	NA
	<i>m,p</i> -Xylene	230 $\mu$ g/L	Result to report from dilution	NA	NA	NA
CG-105-1-0801	Gasoline-range hydrocarbons	25,300 $\mu$ g/L	Quantification based on too few peaks	NA	High or false	High or false
	1,1-Dichloroethane	159 $\mu$ g/L	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high	Low or high
	1,1-Dichloroethane	121 $\mu$ g/L	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high	Low or high
	<i>cis</i> -1,2-Dichloroethene	41,600 $\mu$ g/L	Result to report from dilution	NA	NA	NA
		6,160 $\mu$ g/L	Result to report from dilution	NA	NA	NA
	<i>trans</i> -1,2-Dichloroethene	447 $\mu$ g/L	Result to report from dilution	NA	NA	NA
		1,240 $\mu$ g/L	Result to report from dilution	NA	NA	NA
	Vinyl chloride	74,200 $\mu$ g/L	Result to report from dilution	NA	NA	NA
	Trichloroethene	1.77 mg/L	Result to report from dilution	> 24 hrs.	Low or high	Low or high
	Ferric iron	0.500 mg/L	Holding time > 24 hrs.	> 24 hrs.	Low or high	Low or high
	Ferrous iron		Holding time > 24 hrs.	> 24 hrs.	Low or high	Low or high

Summary of Qualified Data - Third Quarter 2001 (cont.)

Affected Sample	Analyte	Result and		QC Reason	QC Result	Possible Bias	
		Qualifier Assigned				Low or high	Low or high
CG-105-S1-0801	2-Butanone	356 µg/L	J	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high	Low or high
	1,1,2-Trichloro-1,2,2-trifluoro-ethane	188 µg/L	J	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high	Low or high
	4-Methyl-2-pentanone	670 µg/L	J	Result to report from undiluted analysis; result reported as undetected from secondary dilution	NA	Low or high	Low or high
	1,2,4-Trimethylbenzene	360 µg/L		Result to report from dilution	NA	NA	NA
	1,1-Dichloroethane	324 µg/L		Result to report from dilution	NA	NA	NA
	cis-1,2-Dichloroethene	2,240 µg/L		Result to report from dilution	NA	NA	NA
	Ethylbenzene	1,330 µg/L		Result to report from dilution	NA	NA	NA
	Toluene	10,500 µg/L		Result to report from dilution	NA	NA	NA
	Vinyl chloride	566 µg/L		Result to report from dilution	NA	NA	NA
	m,p-Xylene	4,270 µg/L		Result to report from dilution	NA	NA	NA
	o-Xylene	970 µg/L	J	Result to report from dilution	NA	Low or high	Low or high
	Ferric iron	28.6 mg/L		Result to report from dilution	> 24 hrs.	Low or high	Low or high
	Ferrous iron	62.2 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	Low or high
CG-9-105-S1-0801	cis-1,2-Dichloroethene	2,550 µg/L		Result to report from dilution	NA	NA	NA
	Ethylbenzene	2,050 µg/L		Result to report from dilution	NA	NA	NA
	Toluene	14,100 µg/L		Result to report from dilution	NA	NA	NA
	m,p-Xylene	6,330 µg/L		Result to report from dilution	NA	NA	NA
	All SVOCs as undetected	µg/L	UJ	SMCs Nitrobenzene-d5 and p-terphenyl-d14 below LCL	7 percent and 38 percent	Low	Low
	All SVOCs as detected (except the 14 phenols and benzoic acid)	µg/L	J				
	Ferric iron	0.500 mg/L	UJ	Holding time > 24 hrs.	> 24 hrs.	Low or high	Low or high
	Ferrous iron	69.6 mg/L	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	Low or high

Summary of Qualified Data - Third Quarter 2001 (cont.)

Affected Sample	Analyte	Result and Qualifier Assigned	QC Reason	QC Result	Possible Bias
CG-105-S1-0801	2-Butanone	356 µg/L J	Result to report from undiluted analysis;	NA	Low or high
CG-105-S2-0801	Ferric iron	11.2 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	2.76 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-12-I-0801	Gasoline-range hydrocarbons	105 µg/L J	Quantification based on too few peaks	NA	High or false
CG-8-S1-0801	Diesel-range hydrocarbons	3.15 mg/L J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	High or false
	Ethylbenzene	3,730 µg/L	Result to report from dilution	NA	positive
CG-11-I-0801	Toluene	1,440 µg/L	Result to report from dilution	NA	NA
	Ferric iron	3.57 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-12-I-0801	Ferrous iron	0.500 mg/L JJ	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferric iron	3.93 mg/L J	Holding time > 24 hrs.	> 24 hrs.	Low or high
	Ferrous iron	0.500 mg/L JJ	Holding time > 24 hrs.	> 24 hrs.	Low or high

Note: J - estimated  
 LCL - lower control limit  
 NA - not applicable  
 QC - quality control  
 SMC - system monitoring compound  
 U - undetected at reporting limit shown  
 UCL - upper control limit

Total J qualified 39  
 Total JJ qualified 16  
 Total restated U 3

Summary of Qualified Data - Fourth Quarter 2001

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Var. Qual	QC Reason	QC Result	Possible Bias
CG-11-I-1101	B1K0133-03	Chloride	53.6	mg/L	D	J	MS recovery below lower laboratory-established control limit of 54 percent	53.5 percent	Low
CG-11-S1-1101	B1K0164-02	Chloride	23.9	mg/L	D	J	MS recovery below lower laboratory-established control limit of 54 percent	53.5 percent	Low
CG-9-I-1101	B1K0299-05	Chloride	52.4	mg/L	D	J	MS recovery below lower laboratory-established control limit of 54 percent	34.8 percent	Low
CG-2-D-1101	B1K0453-01	Total dissolved solids	25,000	mg/L	J	J	Holding time > 7 days	13 days	Low or high
CG-101-S1-1101	B1K0201-02	Ferrous Iron	0.500	mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-I-1101	B1K0326-03	Ferrous Iron	0.500	mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-S1-1101	B1K0299-02	Ferrous Iron	12.5	mg/L	UD	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-104-S2-1101	B1K0326-01	Ferrous Iron	11.4	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-105-I-1101	B1K0235-09	Ferrous Iron	1.03	mg/L	J	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-105-S1-1101	B1K0235-07	Ferrous Iron	71.9	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-105-S2-1101	B1K0235-08	Ferrous Iron	5.34	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-11-I-1101	B1K0133-03	Ferrous Iron	1.1	mg/L	J	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-11-S1-1101	B1K0164-02	Ferrous Iron	57	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-11-I-1101	B1K0201-01	Ferrous Iron	0.500	mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-113-S1-1101	B1K0299-04	Ferrous Iron	16.8	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-9-I-1101	B1K0299-05	Ferrous Iron	0.500	mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-9-S1-1101	B1K0299-06	Ferrous Iron	38.6	mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high
CG-1-D-1101	B1K0164-07RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-1-I-1101	B1K0164-06RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low



Summary of Qualified Data - Fourth Quarter 2001\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-1-S1-1101	B1K0164-04RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-10-S1-1101	B1K0164-03RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-101-S1-1101	B1K0201-02RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-104-D-1101	B1K0326-02	Silver	0.00153	mg/L		R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-104-I-1101	B1K0326-03	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-104-S1-1101	B1K0299-02	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-104-S2-1101	B1K0326-01	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-11-I-1101	B1K0133-03RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-11-S1-1101	B1K0164-02RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-111-I-1101	B1K0201-01RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-112-S1-1101	B1K0299-03	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-113-S1-1101	B1K0299-04	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-12-I-1101	B1K0133-02RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-2-D-1101	B1K0453-01	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low

Summary of Qualified Data - Fourth Quarter 2001\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-3-1101	B1K0201-03RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-4D-1101	B1K0133-01RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-5D-1101	B1K0200-02RE1	Silver	0.00437	mg/L		J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-5I-1101	B1K0200-04RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-5SI-1101	B1K0200-03RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-7SI-1101	B1K0200-05RE1	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-9-1-S1-1101	B1K0164-05RE2	Silver	0.00100	mg/L	U	J	MS and MSD recovery below lower laboratory-established control limit of 32 percent	28.9 and 31.0 percent	Low
CG-9-I-1101	B1K0299-05	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-9-S1-1101	B1K0299-06	Silver	0.00100	mg/L	U	R	MS and MSD recovery below lower laboratory-established control limit of 32 percent	3.96 and 4.84 percent	Low
CG-105-S1-1101	B1K0235-07	Aroclor 1260	NA	NA	NA	NA	Do not use these results; report data from reanalysis	NA	NA
		Aroclor 1221	NA	NA	NA	NA			
		Aroclor 1016	NA	NA	NA	NA			
		Aroclor 1262	NA	NA	NA	NA			
		Aroclor 1248	NA	NA	NA	NA			
		Aroclor 1242	NA	NA	NA	NA			
		Aroclor 1232	NA	NA	NA	NA			
		Aroclor 1254	NA	NA	NA	NA			
		Aroclor 1268	NA	NA	NA	NA			

Summary of Qualified Data - Fourth Quarter 2001\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-105-S1-1101 (reanalysis)	B1K0235-07RE1	Aroclor 1260	0.500	µg/L	U	J	Holding time for extraction > 7 days	17 days for re-extraction	Low or High
		Aroclor 1221	0.500	µg/L	U	J			
		Aroclor 1016	0.500	µg/L	U	J			
		Aroclor 1262	0.500	µg/L	U	J			
		Aroclor 1248	0.500	µg/L	U	J			
		Aroclor 1242	0.500	µg/L	U	J			
		Aroclor 1232	0.500	µg/L	U	J			
		Aroclor 1254	0.500	µg/L	U	J			
		Aroclor 1268	0.500	µg/L	U	J			
CG-51-1101	B1K0200-04	Aroclor 1268	NA	NA	NA	NA	Do not use these results; report data from reanalysis	NA	NA
		Aroclor 1262	NA	NA	NA	NA			
		Aroclor 1260	NA	NA	NA	NA			
		Aroclor 1254	NA	NA	NA	NA			
		Aroclor 1232	NA	NA	NA	NA			
		Aroclor 1221	NA	NA	NA	NA			
		Aroclor 1016	NA	NA	NA	NA			
		Aroclor 1242	NA	NA	NA	NA			
		Aroclor 1248	NA	NA	NA	NA			
CG-51-1101 (reanalysis)	B1K0200-04RE1	Aroclor 1268	0.500	µg/L	U	J	Holding time for extraction > 7 days	12 days for re-extraction	Low or High
		Aroclor 1262	0.500	µg/L	U	J			
		Aroclor 1260	0.500	µg/L	U	J			
		Aroclor 1254	0.500	µg/L	U	J			
		Aroclor 1232	0.500	µg/L	U	J			
		Aroclor 1221	0.500	µg/L	U	J			
		Aroclor 1016	0.500	µg/L	U	J			
		Aroclor 1242	0.500	µg/L	U	J			
		Aroclor 1248	0.500	µg/L	U	J			
CG-91-1101	B1J0482-01	Dichlorofluoromethane	1.00	µg/L	U	U	Delete these results; laboratory inadvertently reported data for these six compounds	NA	NA
		1,3-Dichloropropane	1.00	µg/L	U	U			
		2,2-Dichloropropane	1.00	µg/L	U	U			
		1,1-Dichloropropene	1.00	µg/L	U	U			
		Napthalene	1.00	µg/L	U	U			
		1,1,1,2-Tetrachloroethane	1.00	µg/L	U	U			
CG-102-S2-1101	B1K0267-02	Vinyl chloride	18.1	µg/L	J	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent	127 percent recovery	High
		Benzene	4.88	µg/L	J	J			

Summary of Qualified Data - Fourth Quarter 2011\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-103-S2-1101	B1K0235-10	cis-1,2-Dichloroethene	16.9	µg/L	J	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent	142 percent recovery	High
		Benzene	6.43	µg/L	J	J			
		1,1-Dichloroethane	2.35	µg/L	J	J			
CG-105-S2-1101	B1K0235-08	1,2,4-Trimethylbenzene	1.26	µg/L	J	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent	124 percent recovery	High
		1,2-Dichlorobenzene	1.02	µg/L	J	J			
		Benzene	1.40	µg/L	J	J			
CG-103-S1-1101	B1K0267-05	Chloroethane	7.37	µg/L	J	J			
		Dibenz (a,h) anthracene	10.0	µg/L	U	J	Laboratory noted at least one internal standard	Unknown; direction of bias was not stated by laboratory	Low or High
		Benzo (k) fluoranthene	10.0	µg/L	U	J	did not meet method-specific performance criteria; reanalysis confirmed original outlier		
		Indeno (1,2,3-cd) pyrene	10.0	µg/L	U	J			
		4-Nitrophenol	10.0	µg/L	U	J			
		Acenaphthylene	10.0	µg/L	U	J			
		Benzo (a) pyrene	10.0	µg/L	U	J			
		4-Nitroaniline	10.0	µg/L	U	J			
		Benzo (ghi) perylene	10.0	µg/L	U	J			
		N-Nitrosodiphenylamine	10.0	µg/L	U	J			
		Dibenzofuran	10.0	µg/L	U	J			
		Diethyl phthalate	10.0	µg/L	U	J			
		Dimethyl phthalate	10.0	µg/L	U	J			
		Fluorene	10.0	µg/L	U	J			
		Benzo (b) fluoranthene	10.0	µg/L	U	J			
		3-Nitroaniline	10.0	µg/L	U	J			
CG-6-S1-1101	B1K0235-06	2,4,6-Trichlorophenol	10.0	µg/L	U	J			
		2,4,5-Trichlorophenol	10.0	µg/L	U	J			
		2-Nitroaniline	10.0	µg/L	U	J			
		2-Chloronaphthalene	10.0	µg/L	U	J			
		2,6-Dinitrotoluene	10.0	µg/L	U	J			
		2,4-Dinitrotoluene	20.0	µg/L	U	J			
		2,4-Dinitrophenol	10.0	µg/L	U	J			
		Acenaphthene	10.0	µg/L	U	J			
		4-Chlorophenyl phenyl ether	10.0	µg/L	U	J			
		Dibenz (a,h) anthracene	10.0	µg/L	U	J	Laboratory noted at least one internal standard	Unknown; direction of bias was not stated by laboratory	Low or High
Indeno (1,2,3-cd) pyrene	10.0	µg/L	U	J	did not meet method-specific performance criteria; reanalysis confirmed original outlier				
Benzo (k) fluoranthene	10.0	µg/L	U	J					
Benzo (ghi) perylene	10.0	µg/L	U	J					
Benzo (b) fluoranthene	10.0	µg/L	U	J					
Benzo (a) pyrene	10.0	µg/L	U	J					

Summary of Qualified Data - Fourth Quarter 2001\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-1-S1-1101	B1K0164-04	Diesel-range hydrocarbons	0.718	mg/L	J	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-104-S1-1101	B1K0299-02	Diesel-range hydrocarbons	4.17	mg/L	J	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-11-S1-1101	B1K0164-02	Diesel-range hydrocarbons	15	mg/L	D	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-113-S1-1101	B1K0299-04	Diesel-range hydrocarbons	2.82	mg/L	J	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-9-1-S1-1101	B1K0164-05	Diesel-range hydrocarbons	0.802	mg/L	J	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-9-S1-1101	B1K0299-06	Diesel-range hydrocarbons	4.49	mg/L	J	J	Overlap of peaks attributed to high concentration of gasoline-range organics	NA	Potential false positive
CG-112-S1-1101	B1K0299-03RE1	Diesel-range hydrocarbons	NA	NA	NA	NA	Do not use these results; report data from original analysis	NA	NA
CG-113-S1-1101	B1K0299-04RE1	Diesel-range hydrocarbons	NA	NA	NA	NA	Do not use these results; report data from original analysis	NA	NA
CG-9-1-1101	B1K0299-05RE1	Diesel-range hydrocarbons	NA	NA	NA	NA	Do not use these results; report data from original analysis	NA	NA
CG-9-S1-1101	B1K0299-06RE1	Diesel-range hydrocarbons	NA	NA	NA	NA	Do not use these results; report data from original analysis	NA	NA
CG-104-S1-1101	B1K0299-02	Gasoline-range hydrocarbons	33900	µg/L	D	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive
CG-105-I-1101	B1K0235-09	Gasoline-range hydrocarbons	36900	µg/L	D	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive
CG-113-S1-1101	B1K0299-04	Gasoline-range hydrocarbons	21000	µg/L	D	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive
CG-12-I-1101	B1K0133-02	Gasoline-range hydrocarbons	91.8	µg/L	J	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive

Summary of Qualified Data - Fourth Quarter 2001<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Val Qual	QC Reason	QC Result	Possible Bias
CG-9-S1-1101	B1K0299-06	Gasoline-range hydrocarbons	69700	µg/L	D	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive

**Note:** *D* - dilution

*J* - estimated

MS - matrix spike

MSD - matrix spike duplicate

NA - not applicable

QC - quality control

R - rejected

RE1 & RE2 - reanalysis

U - undetected at reporting limit shown

<sup>a</sup> Summary of qualified data is for natural samples only and does not include laboratory duplicate sample results.

### Summary of Qualified Data - First Quarter 2002

Sample ID	Laboratory		Analyte	Result	Units	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID				Flag	Qualifier			
CG-104-0202	B2B0164-06	B2B0164-06	Chloride	22.2 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
CG-104-S1-0202	B2B0164-02	B2B0164-02	Chloride	21.6 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
CG-104-S2-0202	B2B0164-05	B2B0164-05	Chloride	26 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
CG-105-S1-0202	B2B0164-04	B2B0164-04	Chloride	21.5 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
CG-113-S1-0202	B2B0184-08	B2B0184-08	Chloride	15 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
CG-11-S1-0202	B2B0081-02	B2B0081-02	Chloride	20.8 mg/L	D	J	Matrix spike recovery below lower control limit of 54 percent	51.7 percent recovery	Low	
B2B0165-03	2B13025-DUP1	B2B0164-06	Ferrous Iron	0.5 mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-101-S1-0202	B2B0130-09	B2B0130-09	Ferrous Iron	0.500 mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-101-S1-0202	2B13023-DUP1	B2B0164-06	Ferrous Iron	0.500 mg/L	U	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-104-I-0202	B2B0164-06	B2B0164-06	Ferrous Iron	1.95 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-104-S1-0202	B2B0164-02	B2B0164-02	Ferrous Iron	35.8 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-104-S2-0202	B2B0164-05	B2B0164-05	Ferrous Iron	40 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-105-I-0202	B2B0184-09	B2B0184-09	Ferrous Iron	0.724 mg/L	J	J	Holding time > 24 hrs. and matrix spike recovery above upper control limit of 150 percent	> 24 hrs. and a recovery of 177 percent	Low or high	
CG-105-S1-0202	B2B0164-04	B2B0164-04	Ferrous Iron	60.5 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-105-S2-0202	B2B0164-07	B2B0164-07	Ferrous Iron	9.14 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	
CG-111-I-0202	B2B0184-10	B2B0184-10	Ferrous Iron	0.500 mg/L	U	J	Holding time > 24 hrs. and matrix spike recovery above upper control limit of 150 percent	> 24 hrs. and a recovery of 177 percent	Low or high	
CG-113-S1-0202	B2B0184-08	B2B0184-08	Ferrous Iron	21.4 mg/L	D	J	Holding time > 24 hrs. and matrix spike recovery above upper control limit of 150 percent	> 24 hrs. and a recovery of 177 percent	Low or high	
CG-11-S1-0202	B2B0081-02	B2B0081-02	Ferrous Iron	42.2 mg/L	D	J	Holding time > 24 hrs. and matrix spike recovery below lower control limit of 50 percent	> 24 hrs. and a recovery of 34 percent	Low or high	
CG-9-S1-0202	B2B0081-07	B2B0081-07	Ferrous Iron	12.2 mg/L	D	J	Holding time > 24 hrs. and matrix spike recovery below lower control limit of 50 percent	> 24 hrs. and a recovery of 34 percent	Low or high	
CG-9-S1-0202	2B05039-DUP1	B2B0164-06	Ferrous Iron	12.5 mg/L	D	J	Holding time > 24 hrs.	> 24 hrs.	Low or high	

Summary of Qualified Data - First Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Un. s	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-102-D-0202	B2B0130-07	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recovery below lower control limit of 50 percent	21.1 percent recovery	Low
CG-102-D-0202	2B13029-DUP1	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recovery below lower control limit of 50 percent	21.1 percent recovery	Low
CG-105-S1-0202	B2B0164-04	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recovery below lower control limit of 50 percent	21.1 percent recovery	Low
CG-111-I-0202	B2B0164-10	Hexavalent Chromium	0.0166	mg/L	U	J	Matrix spike recovery below lower control limit of 50 percent	0 percent recovery	Low
CG-113-S1-0202	B2B0164-08	Hexavalent Chromium	0.00500	mg/L	U	R	Matrix spike recovery below lower control limit of 50 percent	0 percent recovery	Low or false negative
CG-10-S1-0202	B2B0081-05	Aroclor 1016	2.66	µg/L	U	JN	Poor chromatographic match	NA	Potential false positive
CG-9-S1-0202	B2B0081-07	Aroclor 1016	15.4	µg/L	D	JN	Poor chromatographic match	NA	Potential false positive
CG-105-S1-0202	B2B0164-04	1,1,1,2,2-Tetrachloroethane	1.00	µg/L	U	J	System monitoring compound recovery below lower control limit of 75 percent	Toluene-d8 recovery of 67.0 percent	Low
		1,1,2-Trichloroethane	1.00	µg/L	U	J			
		1,1-Dichloroethene	20.9	µg/L	U	J			
		1,2-Dichloropropane	1.00	µg/L	U	J			
		2-Butanone	10.0	µg/L	U	J			
		2-Chloroethylvinyl ether	5.00	µg/L	U	J			
		2-Hexanone	10.0	µg/L	U	J			
		Acetone	25.0	µg/L	U	J			
		Benzene	0.500	µg/L	U	J			
		Bromodichloromethane	1.00	µg/L	U	J			
		Bromoform	1.00	µg/L	U	J			
		Bromomethane	2.00	µg/L	U	J			
		Carbon disulfide	1.00	µg/L	U	J			
		Carbon tetrachloride	1.00	µg/L	U	J			
		Chlorobenzene	1.00	µg/L	U	J			
		Chloroform	9.8	µg/L	U	J			
		Chloromethane	5.00	µg/L	U	J			
		cis-1,3-Dichloropropene	1.00	µg/L	U	J			
		Dibromochloromethane	1.00	µg/L	U	J			
		Methylene chloride	30.1	µg/L	U	J			
		Naphthalene	1.14	µg/L	U	J			
		n-Hexane	4.73	µg/L	U	J			
		Styrene	1.00	µg/L	U	J			
		Tetrachloroethene	8.51	µg/L	U	J			
		trans-1,2-Dichloroethene	9.14	µg/L	U	J			
		trans-1,3-Dichloropropene	1.00	µg/L	U	J			
		Trichloroethene	4.06	µg/L	U	J			
		Trichlorofluoromethane	1.00	µg/L	U	J			
		Vinyl acetate	5.00	µg/L	U	J			
		Vinyl chloride	435	µg/L	U	J			



Summary of Qualified Data - First Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Validation	Quality Control Reason	Quality Control Result	Possible Bias	
									Method
CG-1-S1-0202	B2B0081-03	1,1,2-Trichloro-1,2,2-trifluoroethane	800	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 30.2 percent	High <sup>a</sup>
		Carbon tetrachloride	400	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 29.9 percent	High <sup>a</sup>
		Tetrachloroethene	400	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 35.4 percent	High <sup>a</sup>
CG-9-S1-0202	B2B0081-07	1,1,2-Trichloro-1,2,2-trifluoroethane	200	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 30.2 percent	High <sup>a</sup>
		Carbon tetrachloride	100	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 29.9 percent	High <sup>a</sup>
		Tetrachloroethene	100	µg/L	UD	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 35.4 percent	High <sup>a</sup>
Field Blank 1-0202	B2B0130-02	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 30.2 percent	High <sup>a</sup>
		Carbon tetrachloride	1.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 29.9 percent	High <sup>a</sup>
		Tetrachloroethene	1.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 35.4 percent	High <sup>a</sup>
Trip Blanks	B2B0130-01	1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 30.2 percent	High <sup>a</sup>
		Carbon tetrachloride	1.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 29.9 percent	High <sup>a</sup>
		Tetrachloroethene	1.00	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 35.4 percent	High <sup>a</sup>
CG-101-S1-0202	B2B0130-09	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-102-D-0202	B2B0130-07	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-102-I-0202	B2B0130-06	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-102-S1-0202	B2B0130-04	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high

### Summary of Qualified Data - First Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-102-S2-0202	B2B0130-03	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-103-I-0202	B2B0184-04	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-103-S2-0202	B2B0184-06	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-103-S1-0202	B2B0184-03	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-104-D-0202	B2B0164-03	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-104-I-0202	B2B0164-06	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-104-S1-0202	B2B0164-02	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-104-S2-0202	B2B0164-05	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-105-I-0202	B2B0184-09	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-105-S1-0202	B2B0164-04	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-105-S2-0202	B2B0164-07	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-10-S1-0202	B2B0081-05	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
		4,6-Dinitro-2-methylphenol	10.0	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 26.7 percent	High <sup>a</sup>
		Acetophenone	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
CG-111-I-0202	B2B0184-10	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-112-S1-0202	B2B0184-05	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-113-S1-0202	B2B0184-08	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high

### Summary of Qualified Data - First Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-11-S1-0202	B2B0081-02	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
		4,6-Dinitro-2-methylphenol	10.0	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 26.7 percent	High <sup>a</sup>
		Acetophenone	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
		2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
		4,6-Dinitro-2-methylphenol	10.0	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 26.7 percent	High <sup>a</sup>
		Acetophenone	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
		2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-2-S1-0202	B2B0081-06	2-Nitrophenol	10.0	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 26.7 percent	High <sup>a</sup>
		4,6-Dinitro-2-methylphenol	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
		Acetophenone	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
		2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-3-0202	B2B0130-08	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-9-102-S1-0202	B2B0130-05	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-9-103-S2-0202	B2B0184-07	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
CG-9-S1-0202	B2B0081-07	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
		4,6-Dinitro-2-methylphenol	10.0	µg/L	U	J	Percent difference for associated CCV above control limit of 25 percent	Percent difference of 26.7 percent	High <sup>a</sup>
		Acetophenone	10.0	µg/L	U	J	40-day holding time constraint for completion of analysis not met	68 days	Low or high
Field Blank 1-0202	B2B0130-02	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high
Field Blank 2-0202	B2B0184-02	2-Nitrophenol	10.0	µg/L	U	J	Percent RSD for initial calibration above control limit of 30 percent	RSD of 30.2 percent	Low or high

### Summary of Qualified Data - First Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-104-D-0202	B2B0164-03	Diesel Range Hydrocarbons	0.506	mg/L	J	J	Overlap of peaks attributed to high concentration of oil-range organics	NA	Potential false positive
CG-104-S1-0202	B2B0164-02	Diesel Range Hydrocarbons	4.1	mg/L	J	J	Overlap of peaks attributed to high concentration of oil-range organics	NA	Potential false positive
CG-105-S1-0202	B2B0164-04	Diesel Range Hydrocarbons	19.5	mg/L	D	J	Overlap of peaks attributed to high concentration of oil-range organics	NA	Potential false positive
CG-105-S2-0202	B2B0164-07	Diesel Range Hydrocarbons	0.863	mg/L	J	J	Overlap of peaks attributed to high concentration of oil-range organics	NA	Potential false positive
CG-105-I-0202	B2B0184-09	Gasoline Range Hydrocarbons	29700	µg/L	D	J	Laboratory noted quantification based on presence of one peak eluting in this region	NA	Potential false positive
CG-104-I-0202	NA	RCRA Appendix IX Copper	12.0	µg/L	J	J	Laboratory duplicate above control limit of 20 percent	RPD = 140 percent	Low or high
CG-104-I-0202	NA	RCRA Appendix IX Famphur	1.3	µg/L	U	J	Percent difference for associated CCVs above control limit of 15 percent	Percent difference of 16.4 percent and 17.2 percent	High <sup>a</sup>
Method blank	NA	RCRA Appendix IX Famphur	1.3	µg/L	U	J	Percent difference for associated CCVs above control limit of 15 percent	Percent difference of 16.4 percent and 17.2 percent	High <sup>a</sup>
CG-104-I-0202	NA	RCRA Appendix IX Methylene chloride RCRA Appendix IX Vinyl chloride RCRA Appendix IX 1,1-Dichloroethene RCRA Appendix IX 1,2-Dichloroethene RCRA Appendix IX Total xylenes	10 1,000 15 94 15	µg/L µg/L µg/L µg/L µg/L	U UJ	UJ	Method blank contamination Value to report from dilution analysis Value to report from undiluted analysis Value to report from undiluted analysis Value to report from undiluted analysis	16 µg/L in method blank NA NA NA NA	False positive NA NA NA NA

**Note:** CCV - continuing calibration verification

D - dilution

J - estimated

N - tentative identification

RSD - relative standard deviation

R - rejected

RCRA - Resource Conservation and Recovery Act

SVOC - semivolatile organic compound

TIC - tentatively identified compound

U - undetected at reporting limit shown

<sup>a</sup> All CCV exceedances were due to an increase in instrument sensitivity

### Summary of Qualified Data - Second Quarter 2002

Sample ID	Laboratory		Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID			Flag	Qualifier			
CG-140-40-0502	B2E0366-02	B2E0366-02	Nitrate-nitrogen	0.200 mg/L	U	J	Holding time >48 hrs.	>48 hrs.	Low or high
CG-140-40-0502	B2E0366-02	B2E0366-02	Nitrate-nitrogen	0.200 mg/L	U	J	Holding time >48 hrs.	>48 hrs.	Low or high
CG-140-WT-0502	B2E0366-03	B2E0366-03	Nitrate-nitrogen	0.608 mg/L	U	J	Holding time >48 hrs.	>48 hrs.	Low or high
CG-140-WT-0502	B2E0366-03	B2E0366-03	Nitrate-nitrogen	0.200 mg/L	U	J	Holding time >48 hrs.	>48 hrs.	Low or high
CG-101-S1-0502	B2E0585-02	B2E0585-02	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-101-S2-0502	B2E0585-07	B2E0585-07	Ferrous iron	1.24 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-D-0502	B2E0241-02	B2E0241-02	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-I-0502	B2E0533-02	B2E0533-02	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-S1-0502	B2E0479-02	B2E0479-02	Ferrous iron	14.8 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-S2-0502	B2E0479-03	B2E0479-03	Ferrous iron	1.99 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-I-0502	B2E0585-06	B2E0585-06	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-S1-0502	B2E0585-05	B2E0585-05	Ferrous iron	31.6 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-S2-0502	B2E0364-01	B2E0364-01	Ferrous iron	4.18 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-D-0502	B2E0585-04	B2E0585-04	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-I-0502	B2E0572-05	B2E0572-05	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-WT-0502	B2E0544-04	B2E0544-04	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-107-WT-0502	B2E0448-04	B2E0448-04	Ferrous iron	7.58 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-111-I-0502	B2E0419-05	B2E0419-05	Ferrous iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-113-S1-0502	B2E0533-03	B2E0533-03	Ferrous iron	6.08 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
			Result Unit	Flag Qualifier			
CG-11-S1-0502	B2E0572-03	Ferrous iron	36.7 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-121-40-0502	B2E0448-02	Ferrous iron	14.1 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-121-70-0502	B2E0448-03	Ferrous iron	1.51 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-122-60-0502	B2E0387-05	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-122-WT-0502	B2E0387-06	Ferrous iron	10.8 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-123-90-0502	B2E0448-05	Ferrous iron	4.63 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-124-40-0502	B2E0416-02	Ferrous iron	1.37 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-124-70-0502	B2E0416-01	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-124-WT-0502	B2E0416-03	Ferrous iron	2.83 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-40-0502	B2E0391-01	Ferrous iron	9.02 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-WT-0502	B2E0391-02	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-128-70-0502	B2E0391-03	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-130-WT-0502	B2E0241-05	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-134-40-0502	B2E0391-05	Ferrous iron	12.7 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-134-WT-0502	B2E0391-06	Ferrous iron	0.500 mg/L	U J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-135-40-0502	B2E0481-01	Ferrous iron	21.8 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-140-40-0502	B2E0366-02	Ferrous iron	2.5 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-140-WT-0502	B2E0366-03	Ferrous iron	6.8 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-141-40-0502	B2E0419-03	Ferrous iron	8.52 mg/L	D J	Holding time >24 hrs.	>24 hrs.	Low or high

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID				Flag	Qualifier			
CG-141-WT-0502	B2E0419-04	B2E0419-04	Ferrous iron	2.65	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-40-0502	B2E0544-03	B2E0544-03	Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-WT-0502	B2E0544-02	B2E0544-02	Ferrous iron	1.15	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-144-35-0502	B2E0572-04	B2E0572-04	Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-145-35-0502	B2E0572-02	B2E0572-02	Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-3-0502	B2E0533-04	B2E0533-04	Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-9-101-S1-0502	B2E0585-03	B2E0585-03	Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-I-0502	B2E0533-02	B2E0533-02	Sodium	54.5	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-106-WT-0502	B2E0544-04	B2E0544-04	Sodium	3.44	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-111-I-0502	B2E0419-05	B2E0419-05	Sodium	272	mg/L	D	J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-113-S1-0502	B2E0533-03	B2E0533-03	Sodium	29	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-124-40-0502	B2E0416-02	B2E0416-02	Sodium	28.9	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-124-70-0502	B2E0416-01	B2E0416-01	Sodium	267	mg/L	D	J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-124-WT-0502	B2E0416-03	B2E0416-03	Sodium	22.5	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low
CG-127-40-0502	B2E0391-01	B2E0391-01	Sodium	58.7	mg/L		J	MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
	Sample ID	Sample ID			Flag	Qualifier		Result	Control	
CG-127-WT-0502	B2E0391-02	B2E0391-02	Sodium	25.3 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-128-70-0502	B2E0391-03	B2E0391-03	Sodium	107 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-134-40-0502	B2E0391-05	B2E0391-05	Sodium	35 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-134-WT-0502	B2E0391-06	B2E0391-06	Sodium	14.9 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-135-40-0502	B2E0481-01	B2E0481-01	Sodium	39.7 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-141-40-0502	B2E0419-03	B2E0419-03	Sodium	31.3 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-141-WT-0502	B2E0419-04	B2E0419-04	Sodium	16.3 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-143-40-0502	B2E0544-03	B2E0544-03	Sodium	24.4 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-143-WT-0502	B2E0544-02	B2E0544-02	Sodium	23.9 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-3-0502	B2E0533-04	B2E0533-04	Sodium	4.29 mg/L	J		MS and MSD recoveries below lower control limit of 75%	49% and 73%	Low	
CG-104-I-0502	B2E0533-02	B2E0533-02	Manganese	0.298 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	High	
CG-106-WT-0502	B2E0544-04	B2E0544-04	Manganese	0.0376 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	High	
CG-112-S1-0502	B2E0481-05	B2E0481-05	Manganese	0.363 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	High	



Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control		Possible Bias
							Result	Control	
CG-113-S1-0502	B2E0533-03	Manganese	0.129 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-114-75-0502	B2E0416-08	Manganese	0.384 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-124-40-0502	B2E0416-02	Manganese	0.27 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-124-70-0502	B2E0416-01	Manganese	0.371 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-124-WT-0502	B2E0416-03	Manganese	0.282 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-127-40-0502	B2E0391-01	Manganese	1.39 mg/L	D	J	MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-127-WT-0502	B2E0391-02	Manganese	0.114 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-128-70-0502	B2E0391-03	Manganese	0.318 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-134-40-0502	B2E0391-05	Manganese	0.845 mg/L	D	J	MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-134-WT-0502	B2E0391-06	Manganese	0.117 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-143-40-0502	B2E0544-03	Manganese	0.486 mg/L	D	J	MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-143-WT-0502	B2E0544-02	Manganese	0.305 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High
CG-3-0502	B2E0533-04	Manganese	0.151 mg/L	J		MS and MSD recoveries above upper control limit of 164%	189% and 181%	189% and 181%	High

### Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation		Result Unit	Quality Control Reason	Quality Control Result	Possible Bias
			Flag	Qualifier				
Method Blank	2E09030-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E13032-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E13040-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E16032-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E16036-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E17047-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E18012-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E20045-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E23046-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E24023-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
Method Blank	2E27007-BLK1	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-101-S1-0502	B2E0585-02	Hexavalent chromium	U	R	0.00500 mg/L	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control		Possible Bias
								Result	Result	
CG-101-S2-0502	B2E0585-07	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-102-D-0502	B2E0452-06	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-102-I-0502	B2E0452-05	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-102-S1-0502	B2E0452-03	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-102-S2-0502	B2E0452-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-103-I-0502	B2E0316-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-103-S1-0502	B2E0296-03	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-103-S1-0502	2E13032-DUP1	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-103-S2-0502	B2E0296-04	Hexavalent chromium	0.0059	mg/L		R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-104-D-0502	B2E0241-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-104-I-0502	B2E0533-02	Hexavalent chromium	0.018	mg/L		R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-104-S1-0502	B2E0479-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
	Sample ID					Flag	Qualifier		Result		
CG-104-S1-0502	2E18012-DUP1		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-104-S2-0502	B2E0479-03		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-105-I-0502	B2E0585-06		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-105-S1-0502	B2E0585-05		Hexavalent chromium	0.0250	mg/L	UD	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-105-S2-0502	B2E0364-01		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-106-D-0502	B2E0585-04		Hexavalent chromium	0.0500	mg/L	UD	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-106-I-0502	B2E0572-05		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-106-I-0502	2E23046-DUP1		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-106-WT-0502	B2E0544-04		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-106-WT-0502	2E27007-DUP1		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-107-WT-0502	B2E0448-04		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	
CG-111-I-0502	B2E0419-05		Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>	

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control		Possible Bias
								Result	Result	
CG-112-S1-0502	B2E0481-05	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-113-S1-0502	B2E0533-03	Hexavalent chromium	0.00601	mg/L		R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-114-75-0502	B2E0416-08	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-115-75-0502	B2E0296-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-115-WT-0502	B2E0364-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-119-40-0502	B2E0364-05	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-119-40-0502	2E20045-DUP1	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-120-75-0502	B2E0239-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-120-75-0502	2E09030-DUP1	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-121-40-0502	B2E0448-02	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-121-40-0502	2E17047-DUP1	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-121-70-0502	B2E0448-03	Hexavalent chromium	0.00500	mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
	Sample ID	Sample ID			Flag	Qualifier		Result	Result	
CG-122-60-0502	B2E0387-05	B2E0387-05	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-122-60-0502	2E16032-DUP1	2E16032-DUP1	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-122-WT-0502	B2E0387-06	B2E0387-06	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-123-90-0502	B2E0448-05	B2E0448-05	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-124-40-0502	B2E0416-02	B2E0416-02	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-124-70-0502	B2E0416-01	B2E0416-01	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-124-WT-0502	B2E0416-03	B2E0416-03	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-125-40-0502	B2E0315-03	B2E0315-03	Hexavalent chromium	0.00829 mg/L		R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-126-WT-0502	B2E0315-01	B2E0315-01	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-126-WT-0502	2E13040-DUP1	2E13040-DUP1	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-9-101-S1-0502	B2E0585-03	B2E0585-03	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-9-101-S1-0502	2E24023-DUP1	2E24023-DUP1	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
				Flag	Qualifier			
CG-9-102-S1-0502	B2E0452-04	Hexavalent chromium	0.00500 mg/L	U	R	MS recoveries typically below lower control limit of 50%	6.82, 2.18, 0.0, 0.0, 0.0, 3.42, 0.0, and 10.5%	Low <sup>a</sup>
CG-101-S2-0502	B2E0585-07	Toluene	0.685 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-102-S2-0502	B2E0452-02	Toluene	0.598 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-103-S1-0502	B2E0296-03	1,1-Dichloroethene	0.586 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		1,2-Dichloroethane	0.893 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		Benzene	0.42 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		Chloroethane	0.88 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-103-S2-0502	B2E0296-04	<i>trans</i> -1,2-Dichloroethene	0.537 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-104-I-0502	B2E0533-02	<i>cis</i> -1,2-Dichloroethene	0.795 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		<i>o</i> -Xylene	0.761 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-104-S1-0502	B2E0479-02RE1 B2E0479-02	1,2,4-Trimethylbenzene	189 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
		Methylene chloride	2.77 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-104-S2-0502	B2E0479-03	Toluene	0.975 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		<i>trans</i> -1,2-Dichloroethene	0.767 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
CG-105-I-0502	B2E0585-06 B2E0585-06 B2E0585-06RE1 B2E0585-06RE1	1,1-Dichloroethane	137 µg/L	E	J	Conc. above calibration range	NA	High
		1,1-Dichloroethene	126 µg/L	E	J	Conc. above calibration range	NA	High
		Toluene	872 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
		Vinyl chloride	1,150 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
CG-105-S1-0502	B2E0585-05	1,1,2-Trichloro-1,2,2-trifluoroethane	204 µg/L	DE	J	Conc. above calibration range	NA	High
		1,1-Dichloroethane	94 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
B2E0585-05RE1 B2E0585-05RE1 B2E0585-05RE1 B2E0585-05 B2E0585-05 B2E0585-05 B2E0585-05RE1	B2E0585-05RE1 B2E0585-05RE1 B2E0585-05RE1 B2E0585-05 B2E0585-05 B2E0585-05 B2E0585-05RE1	1,3,5-Trimethylbenzene	108 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
		Chloroethane	75 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high
		Chloroform	0.931 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		Methylene chloride	3.2 µg/L		J	Conc. above MDL, but less than MRL	NA	Low or high
		Naphthalene	55.1 µg/L	E	J	Conc. above calibration range	NA	High
B2E0585-05RE1	B2E0585-05RE1	Vinyl chloride	96.4 µg/L	D	J	Conc. above MDL, but less than MRL	NA	Low or high

### Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control	
								Result	Bias
CG-105-S2-0502	B2E0364-01	1,2,4-Trimethylbenzene	0.757	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		1,3,5-Trimethylbenzene	0.503	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		4-Methyl-2-pentanone	5.85	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Acetone	7.38	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Chlorobenzene	0.64	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>n</i> -Butylbenzene	0.542	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>o</i> -Xylene	0.864	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Toluene	0.664	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-106-D-0502	B2E0585-04	Toluene	0.664	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-106-WT-0502	B2E0544-04	Trichloroethene	0.945	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-107-WT-0502	B2E0448-04	1,1-Dichloroethane	0.543	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-112-S1-0502	B2E0481-05	<i>trans</i> -1,2-Dichloroethene	0.839	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Trichloroethene	0.755	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-113-S1-0502	B2E0533-03RE1 B2E0533-03 B2E0533-03 B2E0533-03	Ethylbenzene	1640	µg/L	DE	J	Conc. above calibration range	NA	High
		Methylene chloride	0.901	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>n</i> -Hexane	1.06	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Trichloroethene	0.913	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-114-75-0502	B2E0416-08	Acetone	5.27	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Benzene	0.347	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-115-75-0502	B2E0296-02	Toluene	0.528	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-115-WT-0502	B2E0364-02	Methylene chloride	3.35	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>trans</i> -1,2-Dichloroethene	0.893	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Vinyl chloride	0.52	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-119-40-0502	B2E0364-05	Toluene	0.822	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Trichloroethene	0.507	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-121-40-0502	B2E0448-02	<i>cis</i> -1,2-Dichloroethene	0.601	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Ethylbenzene	0.554	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>trans</i> -1,2-Dichloroethene	0.502	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high



Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control	
								Result	Bias
CG-121-70-0502	B2E0448-03	Benzene	0.467	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Toluene	0.647	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-122-60-0502	B2E0387-05	1,1-Dichloroethane	0.695	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-122-WT-0502	B2E0387-06	Chlorobenzene	0.603	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>m,p</i> -Xylene	1.28	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		<i>o</i> -Xylene	0.965	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-123-90-0502	B2E0448-05	Toluene	0.57	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-124-40-0502	B2E0416-02	Toluene	0.622	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-124-70-0502	B2E0416-01	Toluene	0.709	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Vinyl chloride	0.8	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-124-WT-0502	B2E0416-03	Toluene	0.583	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-125-40-0502	B2E0315-03	2-Butanone	8.18	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-127-40-0502	B2E0391-01	Toluene	0.731	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-127-WT-0502	B2E0391-02	1,1,1-Trichloroethane	0.686	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Benzene	0.336	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Chloroform	0.365	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Toluene	0.663	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-128-70-0502	B2E0391-03	Benzene	0.326	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Chloroethane	0.825	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Toluene	0.716	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-128-WT-0502	B2E0241-06	Chloroform	0.637	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Tetrachloroethene	0.445	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-129-40-0502	B2E0241-03	1,1-Dichloroethane	0.617	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
CG-130-WT-0502	B2E0241-05	Benzene	0.289	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high
		Vinyl chloride	0.666	µg/L	J		Conc. above MDL, but less than MRL	NA	Low or high

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
	Sample ID					Flag	Qualifier		Result		
CG-131-WT-0502	B2E0293-07		<i>trans</i> -1,2-Dichloroethene	0.716	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-134-40-0502	B2E0391-05		2-Butanone	5.93	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			Benzene	0.306	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			Toluene	0.511	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-134-WT-0502	B2E0391-06		1,1-Dichloroethane	0.749	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			Benzene	0.308	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			<i>cis</i> -1,2-Dichloroethene	0.95	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			Toluene	0.702	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-135-50-0502	B2E0293-03		1,2-Dichloroethane	0.915	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-136-WT-0502	B2E0364-06		Toluene	0.813	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-138-WT-0502	B2E0366-06		Trichloroethene	0.358	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-139-40-0502	B2E0416-05		Toluene	0.319	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-145-35-0502	B2E0572-02		1,1-Dichloroethane	0.888	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-3-0502	B2E0533-04		Toluene	0.515	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
V-1-0502	B2E0544-06		Tetrachloroethene	0.969	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			<i>trans</i> -1,2-Dichloroethene	0.806	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
			Trichloroethene	0.92	µg/L	J		Conc. above MDL, but less than MRL	NA		Low or high
CG-101-S1-0502	B2E0585-02		3,3'-Dichlorobenzidine	0.0236	µg/L	U		Sample extracted past 7-day holding time constraint	12 days until extraction		Low or high
			Benzo (ghi) perylene	0.0472	µg/L	J					
			Bis(2-chloroethyl)ether	0.00943	µg/L	U					
			Hexachlorobenzene	0.0236	µg/L	U					
			Hexachlorobutadiene	0.00472	µg/L	U					
			<i>N</i> -Nitrosodi- <i>n</i> -propylamine	0.00472	µg/L	U					

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
			Result Unit	Flag Qualifier			
CG-101-S2-0502	B2E0585-07	3,3'-Dichlorobenzidine	0.0236	μg/L U J	Sample extracted past 7-day holding time constraint	12 days until extraction	Low or high
		Benzo (ghi) perylene	0.0472	μg/L U J			
		Bis(2-chloroethyl)ether	0.00943	μg/L U J			
		Hexachlorobenzene	0.0236	μg/L U J			
		Hexachlorobutadiene	0.00472	μg/L U J			
N-Nitrosodi-n-propylamine	0.349	μg/L J					
CG-105-I-0502	B2E0585-06	3,3'-Dichlorobenzidine	0.0248	μg/L U J	Sample extracted past 7-day holding time constraint	12 days until extraction	Low or high
		Benzo (ghi) perylene	0.0495	μg/L J			
		Bis(2-chloroethyl)ether	0.00990	μg/L U J			
		Hexachlorobenzene	0.0248	μg/L U J			
		Hexachlorobutadiene	0.00495	μg/L U J			
N-Nitrosodi-n-propylamine	0.00495	μg/L U J					
CG-105-S1-0502	B2E0585-05	3,3'-Dichlorobenzidine	0.0236	μg/L U J	Sample extracted past 7-day holding time constraint	12 days until extraction	Low or high
		Benzo (ghi) perylene	0.0472	μg/L U J			
		Bis(2-chloroethyl)ether	0.00943	μg/L U J			
		Hexachlorobenzene	0.0236	μg/L U J			
		Hexachlorobutadiene	0.00472	μg/L U J			
N-Nitrosodi-n-propylamine	0.00472	μg/L U J					
CG-106-D-0502	B2E0585-04	3,3'-Dichlorobenzidine	0.0236	μg/L U J	Sample extracted past 7-day holding time constraint	12 days until extraction	Low or high
		Benzo (ghi) perylene	0.0472	μg/L U J			
		Bis(2-chloroethyl)ether	0.00943	μg/L U J			
		Hexachlorobenzene	0.0236	μg/L U J			
		Hexachlorobutadiene	0.00472	μg/L U J			
N-Nitrosodi-n-propylamine	0.00472	μg/L U J					
CG-106-I-0502	B2E0572-05	3,3'-Dichlorobenzidine	0.0236	μg/L U J	Sample extracted past 7-day holding time constraint	13 days until extraction	Low or high
		Benzo (ghi) perylene	0.0472	μg/L J			
		Bis(2-chloroethyl)ether	0.00943	μg/L U J			
		Hexachlorobenzene	0.0236	μg/L U J			
		Hexachlorobutadiene	0.00472	μg/L U J			
N-Nitrosodi-n-propylamine	0.00472	μg/L U J					

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation Flag	Qualifier	Quality Control Reason	Quality Control Result	Possible Bias		
										Quality Control Reason	Quality Control Result
CG-9-101-S1-0502	B2E0585-03	3,3'-Dichlorobenzidine	0.0236	µg/L	U	J	Sample extracted past 7-day holding time constraint	12 days until extraction	Low or high		
		Benzo (ghi) perylene	0.0472	µg/L	U	J			Low or high		
		Bis(2-chloroethyl)ether	0.00943	µg/L	U	J			Low or high		
		Hexachlorobenzene	0.0236	µg/L	U	J			Low or high		
		Hexachlorobutadiene	0.00472	µg/L	U	J			Low or high		
		N-Nitrosodi-n-propylamine	0.00472	µg/L	U	J			Low or high		
		2,4,5-Trichlorophenol	4.72	µg/L	U	J	J	2-FP and 2,4,6-TBP surrogate recoveries below control limits of 27% and 33%, respectively	2-FP recovery of 5.89% 2,4,6-TBP recovery of 13.6%	Low Low	
		2,4-Dichlorophenol	4.72	µg/L	U	J	J			Low	
CG-101-S2-0502	B2E0585-07RE1	2,4-Dimethylphenol	4.72	µg/L	U	J			Low		
		2,4-Dinitrophenol	9.43	µg/L	U	J			Low		
		2-Chlorophenol	4.72	µg/L	U	J	J		Low		
		2-Methylphenol	4.72	µg/L	U	J	J		Low		
		2-Nitrophenol	4.72	µg/L	U	J	J		Low		
		3 & 4-Methylphenol	4.72	µg/L	U	J	J		Low		
		4,6-Dinitro-2-methylphenol	4.72	µg/L	U	J	J		Low		
		4-Chloro-3-methylphenol	4.72	µg/L	U	J	J		Low		
		4-Nitrophenol	4.72	µg/L	U	J	J		Low		
		Benzoic Acid	9.43	µg/L	U	J	J		Low		
		Pentachlorophenol	4.72	µg/L	U	J	J		Low		
		Phenol	4.72	µg/L	U	J	J		Low		
		CG-103-S1-0502	B2E0296-03	2,4-Dinitrophenol	9.80	µg/L	U	J	CCV % difference >25%	Percent difference of 46.7%	Low or high
				3 & 4-Methylphenol	4.90	µg/L	U	J	CCV % difference >25%	Percent difference of 69.5%	Low or high
4,6-Dinitro-2-methylphenol	4.90			µg/L	U	J	CCV % difference >25%	Percent difference of 27.4%	Low or high		
Benzoic Acid	9.80			µg/L	U	J	CCV % difference >25%	Percent difference of 48.7%	Low or high		
CG-103-S2-0502	B2E0296-04	2,4-Dinitrophenol	9.66	µg/L	U	J	CCV % difference >25%	Percent difference of 46.7%	Low or high		
		3 & 4-Methylphenol	4.83	µg/L	U	J	CCV % difference >25%	Percent difference of 69.5%	Low or high		
		4,6-Dinitro-2-methylphenol	4.83	µg/L	U	J	CCV % difference >25%	Percent difference of 27.4%	Low or high		
		Benzoic Acid	9.66	µg/L	U	J	CCV % difference >25%	Percent difference of 48.7%	Low or high		
CG-105-S1-0502	B2E0585-05	Phenol	402	µg/L	E	J	Conc. above calibration range	NA	High		
CG-115-75-0502	B2E0296-02	2,4-Dinitrophenol	9.57	µg/L	U	J	CCV % difference >25%	Percent difference of 46.7%	Low or high		
		3 & 4-Methylphenol	4.78	µg/L	U	J	CCV % difference >25%	Percent difference of 69.5%	Low or high		
		4,6-Dinitro-2-methylphenol	4.78	µg/L	U	J	CCV % difference >25%	Percent difference of 27.4%	Low or high		
		Benzoic Acid	9.57	µg/L	U	J	CCV % difference >25%	Percent difference of 48.7%	Low or high		

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
				Flag	Qualifier		Result	Reason	
CG-121-40-0502	B2E0448-02	2,4,5-Trichlorophenol	4.76 µg/L	U	J	2-FP and 2,4,6-TBP surrogate recoveries below lower control limit of 27% and 33%, respectively	2-FP recovery of 5.88%	Low	
		2,4,6-Trichlorophenol	4.76 µg/L	U	J		2,4,6-TBP recovery of 20.9%	Low	
		2,4-Dichlorophenol	4.76 µg/L	U	J			Low	
		2,4-Dimethylphenol	4.76 µg/L	U	J			Low	
		2,4-Dinitrophenol	9.52 µg/L	U	J			Low	
		2-Chlorophenol	4.76 µg/L	U	J			Low	
		2-Methylphenol	4.76 µg/L	U	J			Low	
		2-Nitrophenol	4.76 µg/L	U	J			Low	
		3 & 4-Methylphenol	4.76 µg/L	U	J			Low	
		4,6-Dinitro-2-methylphenol	4.76 µg/L	U	J			Low	
		4-Chloro-3-methylphenol	4.76 µg/L	U	J			Low	
		4-Nitrophenol	4.76 µg/L	U	J			Low	
		Benzoic Acid	9.52 µg/L	U	J			Low	
		Pentachlorophenol	4.76 µg/L	U	J			Low	
		Phenol	4.76 µg/L	U	J			Low	
CG-105-S1-0502	B2E0585-05	Diesel-range hydrocarbons	0.317 mg/L		J	Overlap of peaks attributed to high concentration of gasoline-range hydrocarbons	NA	Potential false positive	
CG-102-I-0502	B2E0452-05	Gasoline-range hydrocarbons	50.0 µg/L	U	J	Sample was not received preserved to a pH <2 as required by method	pH >2	Low or high	
CG-105-I-0502	B2E0585-06	Gasoline-range hydrocarbons	27,500 µg/L	D	J	Laboratory noted quantification based on presence single peak eluting in this region	NA	Potential false positive	
CG-105-S1-0502	B2E0585-05	Gasoline-range hydrocarbons	58,400 µg/L	D	J	SMC recovery above upper control limit of 139%	4-BFB recovery of 156%	High	
CG-115-WT-0502	B2E0364-02	Gasoline-range hydrocarbons	5,650 µg/L		J	SMC recovery below lower control limit of 62%	4-BFB recovery of 0.0%; not calculated due to matrix interferences	Low or high	

Summary of Qualified Data - Second Quarter 2002 (cont.)

Sample ID	Laboratory		Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control		Possible Bias
	Sample ID	B2E0452-06				Flag	Qualifier		Result	Bias	
CG-102-D-0502	B2E0452-06		C10-C12 Aliphatics	50.0	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method	pH >2		Low or high
			C10-C12 Aromatics	50.0	µg/L	U	J				Low or high
			C12-C13 Aromatics	50.0	µg/L	U	J				Low or high
			C5-C6 Aliphatics	50.0	µg/L	U	J				Low or high
			C6-C8 Aliphatics	50.0	µg/L	U	J				Low or high
			C8-C10 Aliphatics	50.0	µg/L	U	J				Low or high
			C8-C10 Aromatics	50.0	µg/L	U	J				Low or high
			Total VPH	50.0	µg/L	U	J				Low or high

**Note:** 2-FP - 2-fluorophenol

2,4,6-TBP - 2,4,6-tribromophenol

BFB - bromofluorobenzene

CCV - continuing calibration verification

Conc. - concentration

D - dilution

E - estimated (concentration above upper calibration range of instrument)

J - estimated

MDL - method detection limit

MRL - method reporting limit

MS - matrix spike

MSD - matrix spike duplicate

NA - not applicable

R - rejected

SMC - system monitoring compound

U - undetected at reporting limit shown

VPH - volatile petroleum hydrocarbons

<sup>a</sup> Results for all samples associated with MS recoveries below lower control limit exhibit a low bias.

Summary of Qualified Data - September 2002 Background Sampling Event

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-101-S1-0902	B210377-03	Silver	0.00100 mg/L	U	J	MS recovery below lower control limit of 32 percent and RPD of MS/MSD above control limit of 50 percent	MS recovery at 31.2 percent and RPD of MS/MSD at 79.7 percent	Low or high
CG-101-S2-0902	B210377-02	Silver	0.00100 mg/L	U	J	MS recovery below lower control limit of 32 percent and RPD of MS/MSD above control limit of 50 percent	MS recovery at 31.2 percent and RPD of MS/MSD at 79.7 percent	Low or high
CG-101-S1-0902	B210377-03	Hexavalent Chromium	0.00500 mg/L	U	J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-101-S2-0902	B210377-02	Hexavalent Chromium	0.00500 mg/L	U	J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-106-D-0902	B210355-03	Hexavalent Chromium	0.038 mg/L	D	J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-106-I-0902	B210355-05	Hexavalent Chromium	0.0167 mg/L		J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-106-WT-0902	B210355-04	Hexavalent Chromium	0.00500 mg/L	U	J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-111-I-0902	B210355-01	Hexavalent Chromium	0.0242 mg/L		J	MS recoveries below lower control limit of 50 percent	MS recoveries of 0 percent and 3.8 percent	Low
CG-107-WT-0902	B210355-02RE1	Toluene	4,270 µg/L	DE	J	Concentration above upper calibration range	NA	Low or high
CG-101-S1-0902	B210377-03	Bis(2-ethylhexyl)phthalate	10.4 µg/L		U	Method blank contamination	Detected at 10.1 µg/L	False positive
CG-101-S2-0902	B210377-02	Bis(2-ethylhexyl)phthalate	7.14 µg/L		U	Method blank contamination	Detected at 10.1 µg/L	False positive
CG-106-D-0902	B210355-03	Bis(2-ethylhexyl)phthalate	8.58 µg/L		U	Method blank contamination	Detected at 10.1 µg/L	False positive
CG-101-S1-0902	B210377-03	Silver	0.00100 mg/L	U	J	MS recovery below lower control limit of 32 percent	MS recovery at 31.2 percent	Low or high

Summary of Qualified Data - September 2002: Background Sampling Event (cont.)

Sample ID	Laboratory		Analyte	Result	Unit	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID						Qualifier				
CG-106-I-0902	B210355-05		Bis(2-ethylhexyl)phthalate	4.98	µg/L		U		Method blank contamination	Detected at 10.1 µg/L	False positive
CG-106-WT-0902	B210355-04		Bis(2-ethylhexyl)phthalate	12	µg/L		U		Method blank contamination	Detected at 10.1 µg/L	False positive
CG-107-WT-0902	B210355-02		Bis(2-ethylhexyl)phthalate	4.99	µg/L		U		Method blank contamination	Detected at 10.1 µg/L	False positive
CG-111-I-0902	B210355-01		Bis(2-ethylhexyl)phthalate	11.2	µg/L		U		Method blank contamination	Detected at 10.1 µg/L	False positive
CG-3-0902	B210377-01		Bis(2-ethylhexyl)phthalate	4.88	µg/L		U		Method blank contamination	Detected at 10.1 µg/L	False positive

**Note:** D - dilution

E - estimated (concentration above upper calibration range of instrument)

J - estimated

MS - matrix spike

MSD - matrix spike duplicate

RPD - relative percent difference

U - undetected at reporting limit shown



Summary of Qualified Data - Third Quarter 2002 <sup>a</sup>

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-102-I-0802	B2H0156-05	Ammonia	1.73	mg/L	J	J	RPD of associated laboratory duplicate sample analysis above control limit of 25%	RPD of 68.1%	Low or high
CG-124-40-0702	B2G0657-04	Ammonia	0.513	mg/L	J	J	RPD of associated laboratory duplicate sample analysis above control limit of 25%	RPD of 68.1%	Low or high
CG-124-70-0702	B2G0657-05	Ammonia	12.5	mg/L	J	J	RPD of associated laboratory duplicate sample analysis above control limit of 25%	RPD of 68.1%	Low or high
CG-124-WT-0702	B2G0657-02	Ammonia	1.02	mg/L	J	J	RPD of associated laboratory duplicate sample analysis above control limit of 25%	RPD of 68.1%	Low or high
CG-101-S1-0702	B2H0002-03	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-101-S2-0702	B2H0002-02	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-104-D-0802	B2H0157-02	Ferric Iron	2.94	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs. and matrix spike recovery below lower control limit of 50%	>24 hrs. >24 hrs. and matrix spike recovery of 23.4%	Low or high Low or high
CG-104-I-0802	B2H0124-04	Ferric Iron	2.89	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-104-S2-0802	B2H0186-02	Ferric Iron	5.54	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-104-S1-0802	B2H0124-05	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron. Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-I-0802	B2H0124-01	Ferric Iron	0.763	mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
			Result	Units			
CG-105-S2-0802	B2H0157-04	Ferric Iron	3.31	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs. and matrix spike recovery below lower control limit of 50%	>24 hrs. and matrix spike recovery of 23.4%	Low or high
CG-105-S1-0802	B2H0124-02	Ferric Iron	0.500	mg/L	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous Iron	68	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-D-0702	B2G0621-05	Ferric Iron	0.817	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-I-0702	B2G0621-03	Ferric Iron	1.27	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-WT-0702	B2G0621-04	Ferric Iron	0.500	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-107-WT-0702	B2G0620-03	Ferric Iron	0.500	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	8.69	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-111-I-0702	B2G0620-02	Ferric Iron	2.64	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-113-S1-0802	B2H0064-05	Ferric Iron	0.500	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	6.47	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-121-40-0702	B2H0002-04	Ferric Iron	8.56	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	5.59	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-121-70-0702	B2H0002-05	Ferric Iron	5.09	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-122-60-0802	B2H0036-02	Ferric Iron	2.6	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-122-WT-0802	B2H0036-03	Ferric Iron	0.73	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	14.2	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high
CG-123-90-0802	B2H0036-04	Ferric Iron	4.88	mg/L	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.87	mg/L	Holding time >24 hrs.	>24 hrs.	Low or high

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
					Flag	Qualifier			
CG-124-40-0702	B2G0657-04	Ferric Iron	4.93	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-124-70-0702	B2G0657-05	Ferric Iron	7.79	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-124-WT-0702	B2G0657-02	Ferric Iron	1.8	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.797	mg/L	J	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-40-0802	B2H0066-02	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	10.7	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-WT-0802	B2H0066-03	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-128-70-0802	B2H0191-03	Ferric Iron	2.58	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-130-WT-0802	B2H0191-06	Ferric Iron	1.1	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.502	mg/L	J	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-134-40-0702	B2G0620-07	Ferric Iron	6.37	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	17.3	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-134-WT-0702	B2G0620-06	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-135-40-0802	B2H0120-05	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous Iron	27.3	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-140-40-0802	B2H0093-03	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous Iron	3.49	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-140-WT-0802	B2H0093-02	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous Iron	18.9	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high

Summary of Qualified Data - Third Quarter 2002 <sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-141-40-0802	B2H0096-03	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous iron	14.2	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-141-WT-0802	B2H0096-04	Ferric Iron	0.500	mg/L	U	J	Ferrous iron holding time >24 hrs. and concentration of ferrous iron is greater than concentration of total iron.	>24 hrs.	Low or high
		Ferrous iron	1.58	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-40-0802	B2H0066-05	Ferric Iron	1.37	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.821	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-WT-0802	B2H0066-06	Ferric Iron	3.41	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous iron	6.82	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-144-35-0802	B2H0186-03	Ferric Iron	2.36	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-145-35-0802	B2H0186-04	Ferric Iron	0.732	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-3-0802	B2H0156-01	Ferric Iron	0.695	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous iron	1.06	mg/L		J	Holding time >24 hrs. and matrix spike recovery below lower control limit of 50%.	>24 hrs. and matrix spike recovery of 23.4%	Low or high
CG-9-128-70-0802	B2H0191-04	Ferric Iron	3.17	mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-113-S1-0802	B2H0064-05	Carbon Dioxide	67.2	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-40-0802	B2H0066-02	Carbon Dioxide	70.8	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-127-WT-0802	B2H0066-03	Carbon Dioxide	72.7	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-40-0802	B2H0066-05	Carbon Dioxide	19.7	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-143-WT-0802	B2H0066-06	Carbon Dioxide	75.3	mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-101-S1-0702	B2H0002-03	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>

Summary of Qualified Data - Third Quarter 2002 <sup>a</sup> (cont.)

Sample ID	Laboratory		Lab Validation		Result	Units	Flag	Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Analyte	Quality Control Reason	Quality Control Result							
CG-101-S2-0702	B2H0002-02	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-102-D-0802	B2H0101-08	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00518	mg/L			103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-102-I-0802	B2H0156-05	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-102-S1-0802	B2H0156-04	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-102-S2-0802	B2H0156-02	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-103-I-0802	B2H0096-08	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-103-S1-0802	B2H0157-02	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-103-S2-0802	B2H0096-09	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-104-D-0802	B2H0157-02	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-104-I-0802	B2H0124-04	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00500	mg/L	U		103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	
CG-104-S2-0802	B2H0186-02	Hexavalent Chromium	J	Matrix spike recoveries typically below lower control limit of 50%	0.00674	mg/L			103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>	

Summary of Qualified Data - Third Quarter 2002 <sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-104-S1-0802	B2H0124-05	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-105-I-0802	B2H0124-01	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-105-S2-0802	B2H0157-04	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-105-S1-0802	B2H0124-02	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-106-D-0702	B2G0621-05	Hexavalent Chromium	0.100	mg/L	UD	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-106-I-0702	B2G0621-03	Hexavalent Chromium	0.0250	mg/L	UD	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-106-WT-0702	B2G0621-04	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-111-I-0702	B2G0620-02	Hexavalent Chromium	0.0500	mg/L	UD	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-112-S1-0802	B2H0064-03	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-113-S1-0802	B2H0064-05	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>
CG-114-75-0802	B2H0035-02	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>p</sup>

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Qualification	Qualifier			
CG-115-75-0802	B2H0035-03	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-115-WT-0802	B2H0035-05	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-119-40-0802	B2H0064-02	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-120-75-0802	B2H0035-06	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-121-40-0702	B2H0002-04	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-121-70-0702	B2H0002-05	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-122-60-0802	B2H0036-02	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-122-WT-0802	B2H0036-03	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-123-90-0802	B2H0036-04	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-124-40-0702	B2G0657-04	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-124-70-0702	B2G0657-05	Hexavalent Chromium	0.00500	mg/L	U	J	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>

Summary of Qualified Data - Third Quarter 2002 <sup>a</sup> (cont.)

Laboratory		Lab Validation		Quality Control Reason		Quality Control Result		Possible Bias
Sample ID	Analyte	Result	Units	Flag	Qualifier	Reason	Result	Bias
CG-124-WT-0702	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-125-40-0802	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-126-WT-0802	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-9-112-S1-0802B2H0064-04	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-9-115-75-0802B2H0035-04	Hexavalent Chromium	0.00500	mg/L	U	J	Matrix spike recoveries typically below lower control limit of 50%	103%, 0.0%, 100%, 0.0%, 8.78%, 4.40%, 9.68%, and 1.32%	Low <sup>b</sup>
CG-104-S1-0802	B2H0124-05RE1 Ethylbenzene	5.630	µg/L	DE	J	Concentration above calibration range	NA	High
CG-105-I-0802	Toluene	153	µg/L	E	J	Concentration above calibration range	NA	High
	1,1-Dichloroethane	181	µg/L	E	J	Concentration above calibration range	NA	High
	1,1-Dichloroethane	208	µg/L	E	J	Concentration above calibration range	NA	High
	cis-1,2-Dichloroethane	50,200	µg/L	DE	J	Concentration above calibration range	NA	High
	Trichloroethane	59,400	µg/L	DE	J	Concentration above calibration range	NA	High
CG-105-S1-0802	B2H0124-02	12	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	n-Butylbenzene	17.3	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	2-Hexanone	19.1	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	Benzene	25.8	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	trans-1,2-Dichloroethane	26.5	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	1,1-Dichloroethane	27.9	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
	Chloroform	5.46	µg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low



Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-105-S1-0802 (continued)	B2H0124-02	Chloromethane	7.48	μg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
		Tetrachloroethene	8.4	μg/L		J	Toluene-d8 surrogate recovery below lower control limit of 75%	Toluene-d8 recovery of 72%	Low
		2-Butanone	273	μg/L	E	J	Toluene-d8 surrogate recovery below lower control limit of 75% and concentration above calibration range	Toluene-d8 recovery of 72% and NA	Low or High
		Methylene chloride	58.9	μg/L	E	J	Toluene-d8 surrogate recovery below lower control limit of 75% and concentration above calibration range	Toluene-d8 recovery of 72% and NA	Low or High
		Trichloroethene	61.6	μg/L	E	J	Toluene-d8 surrogate recovery below lower control limit of 75% and concentration above calibration range	Toluene-d8 recovery of 72% and NA	Low or High
		4-Methyl-2-pentanone	679	μg/L	E	J	Toluene-d8 surrogate recovery below lower control limit of 75% and concentration above calibration range	Toluene-d8 recovery of 72% and NA	Low or High
		1,1,1-Trichloroethane	85.4	μg/L	E	J	Toluene-d8 surrogate recovery below lower control limit of 75% and concentration above calibration range	Toluene-d8 recovery of 72% and NA	Low or High
CG-115-WT-0802	B2H0035-05RE1	Chloroethane	198	μg/L	D	J	4-BFB surrogate recovery below lower control limit of 77%	4-BFB recovery of 76%	Low
		1,2,4-Trimethylbenzene	108	μg/L	D	J			Low
		Ethylbenzene	137	μg/L	D	J			Low
		<i>m,p</i> -Xylene	946	μg/L	D	J			Low
CG-101-S2-0702	B2H0002-02	2,4-Dimethylphenol	10.0	μg/L	U	J	2-FP and 2,4,6-TBP surrogate recoveries below lower control limits of 27% and 33%, respectively	2-FP recovery of 11.1% and 2,4,6-TBP recovery of 7.25%	Low
		2,4-Dinitrophenol	20.0	μg/L	U	J			Low
		2-Chlorophenol	10.0	μg/L	U	J			Low
		2-Methylphenol	10.0	μg/L	U	J			Low
		2-Nitrophenol	10.0	μg/L	U	J			Low
		3 & 4-Methylphenol	10.0	μg/L	U	J			Low
		4,6-Dinitro-2-methylphenol	10.0	μg/L	U	J			Low
		4-Chloro-3-methylphenol	10.0	μg/L	U	J			Low
		2,4,6-Trichlorophenol	0.500	μg/L	U	J			Low
		2,4-Dichlorophenol	10.0	μg/L	U	J			Low
		4-Nitrophenol	10.0	μg/L	U	J			Low
		Pentachlorophenol	0.500	μg/L	U	J			Low
		Phenol	10.0	μg/L	U	J			Low
CG-102-D-0802	B2H0191-08	Bis(2-ethylhexyl)phthalate	2.38	μg/L		U	Method blank contamination	SVOC detected at 0.738 μg/L in method blank	False positive
CG-102-I-0802	B2H0156-05	Pentachlorophenol	5.00	μg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Laboratory		Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
Sample ID	Analyte									
CG-102-S1-0802	Pentachlorophenol	B2H0156-04	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-102-S2-0802	Pentachlorophenol	B2H0156-02	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-103-I-0802	Pentachlorophenol	B2H0096-08	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-103-S1-0802	Pentachlorophenol	B2H0157-05	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-103-S2-0802	Pentachlorophenol	B2H0096-09	Pentachlorophenol	3.26	µg/L		J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-104-D-0802	Bis(2-ethylhexyl)phthalate	B2H0157-02	Bis(2-ethylhexyl)phthalate	1.5	µg/L		U	Method blank contamination	SVOC detected at 0.738 µg/L in method blank	False positive
CG-104-I-0802	Pentachlorophenol	B2H0124-04	Pentachlorophenol	4.36	µg/L		J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-104-S2-0802	Pentachlorophenol	B2H0186-02	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-104-S1-0802	Pentachlorophenol	B2H0124-05	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-105-I-0802	Pentachlorophenol	B2H0124-01	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-105-S2-0802	Pentachlorophenol	B2H0157-04	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-105-S1-0802	Phenol	B2H0124-02	Phenol	1.390	µg/L	D	J	2.4,6-TBP and 2-FBP surrogate recoveries above upper control limits of 143% and 124%, respectively	2.4,6-TBP recovery of 551% 2-FBP recovery of 258%	Low or high
	3 & 4-Methylphenol		3 & 4-Methylphenol	1,500	µg/L	D	J	nd nitrobenzene-d5 and p-terphenyl-d14 surrogate recoveries below lower control limits of 35% and 10%, respectively	Nitrobenzene-d5 recovery of 21.6% p-terphenyl-d14 recovery of 0%	Low or high
	2-Methylphenol		2-Methylphenol	270	µg/L	D	J			Low or high
	Pentachlorophenol		Pentachlorophenol	3.3	µg/L		J			Low or high
	2,4-Dimethylphenol		2,4-Dimethylphenol	972	µg/L	D	J			Low or high
CG-106-D-0702	Pentachlorophenol	B2G0621-05	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-106-I-0702	Pentachlorophenol	B2G0621-03	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-106-WT-0702	Pentachlorophenol	B2G0621-04	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-107-WT-0702	Pentachlorophenol	B2G0620-03	Pentachlorophenol	3.3	µg/L		J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-111-I-0702	Pentachlorophenol	B2G0620-02	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-112-S1-0802	Pentachlorophenol	B2H0064-03RE1	Pentachlorophenol	3.37	µg/L		J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-115-75-0802	Pentachlorophenol	B2H0035-03RE1	Pentachlorophenol	3.04	µg/L		J	CCV% difference >25%	Percent difference of 29.3%	Low or high

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-124-WT-0702	B2G0657-02	Pentachlorophenol	0.500	µg/L	U	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-125-40-0802	B2H0191-05	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-3-0802	B2H0156-01	Pentachlorophenol	5.00	µg/L	UD	J	CCV% difference >25%	Percent difference of 29.3%	Low or high
CG-105-SI-0802	B2H0124-02	Diesel-Range Hydrocarbons	0.308	mg/L		J	Overlap of peaks attributed to high concentration of gasoline-range hydrocarbons	NA	Potential false positive
CG-102-D-0802	B2H0191-08	Gasoline-Range Hydrocarbons	50.0	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method	pH >2	Low or high
CG-104-D-0802	B2H0157-02	Gasoline-Range Hydrocarbons	50.0	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method	pH >2	Low or high
CG-105-I-0802	B2H0124-01	Gasoline-Range Hydrocarbons	24,800	µg/L	D	J	Laboratory noted quantification based on presence single peak eluting in this region	NA	Potential false positive
CG-113-S1-0802	B2H0064-05	Gasoline-Range Hydrocarbons	7,100	µg/L		J	4-BFB surrogate recovery above upper control limit of 125%	4-BFB recovery of 131%	High
CG-115-WT-0802	B2H0035-05	Gasoline-Range Hydrocarbons	2,160	µg/L		J	4-BFB surrogate recovery above upper control limit of 125%	4-BFB recovery of 158%	High
CG-102-D-0802	B2H0191-08	C5-C6 Aliphatics C6-C8 Aliphatics C8-C10 Aliphatics C10-C12 Aliphatics C8-C10 Aromatics C10-C12 Aromatics C12-C13 Aromatics Total VPH	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	U U U U U U U U	J J J J J J J J	Sample was not received preserved to a pH <2 as required by method and analysis completed past the holding time requirement of 7 days	pH >2 and analysis completed 5 days past the 7-day holding time constraint	Low or high Low or high Low or high Low or high Low or high Low or high Low or high Low or high
CG-104-D-0802	B2H0157-02	C5-C6 Aliphatics C6-C8 Aliphatics C8-C10 Aliphatics C10-C12 Aliphatics C8-C10 Aromatics C10-C12 Aromatics C12-C13 Aromatics Total VPH	50.0 50.0 50.0 50.0 50.0 50.0 50.0 50.0	µg/L µg/L µg/L µg/L µg/L µg/L µg/L µg/L	U U U U U U U U	J J J J J J J J	Sample was not received preserved to a pH <2 as required by method and analysis completed past the holding time requirement of 7 days	pH >2 and analysis completed 6 days past the 7-day holding time constraint	Low or high Low or high Low or high Low or high Low or high Low or high Low or high Low or high

Summary of Qualified Data - Third Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-105-SI-0802	B2H0124-02	C8-C10 Aromatics	36,800	µg/L	D	J	4-BFB surrogate recovery on PID	4-BFB recovery of 182%	High
		C10-C12 Aromatics	25,000	µg/L	UD	J	above upper control limit		High
		C12-C13 Aromatics	25,000	µg/L	UD	J	of 120%		High
		Total VPH	36,800	µg/L	D	J			High

**Note:** 2-FP - 2-fluorophenol

- 2,4,6-TBP - 2,4,6-tribromophenol
- BFB - bromofluorobenzene
- CCV - continuing calibration verification
- D - dilution
- E - estimated (concentration above upper calibration range of instrument)
- J - estimated
- NA - not applicable
- PID - photoionization detector
- RPD - relative percent difference
- SVOC - semivolatile organic compound
- U - undetected at reporting limit shown
- VPH - volatile petroleum hydrocarbons

<sup>a</sup> Summary of qualified data is for natural samples only and does not include laboratory duplicate sample results.

<sup>b</sup> Results for all samples associated with MS recoveries below lower control limit exhibit a low bias.

Summary of Qualified Data - Fourth Quarter 2002 <sup>a</sup>

Sample ID	Laboratory		Analyte	Result	Units	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID				Flag	Qualifier			
CG-101-S1-1102	B2K0325-02	Ferric Iron	0.500	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-101-S2-1102	B2K0325-03	Ferric Iron	0.558	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-104-D-1102	B2K0183-04	Ferric Iron	3.4	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-104-I-1102	B2K0264-06	Ferric Iron	4.43	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-104-S1-1102	B2K0183-03	Ferric Iron	5.09	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	19.8	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-104-S2-1102	B2K0183-02	Ferric Iron	5.72	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	1.17	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-105-I-1102	B2K0264-05	Ferric Iron	1.46	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-105-S1-1102	B2K0264-02	Ferric Iron	0.500	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	69.6	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-105-S2-1102	B2K0264-03	Ferric Iron	2.2	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	5.00	mg/L	UD	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-107-WT-1102	B2K0263-03	Ferric Iron	0.500	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	17	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-111-I-1102	B2K0263-02	Ferric Iron	3.25	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-113-S1-1102	B2K0183-05	Ferric Iron	6.07	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	9.28	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-121-40-1102	B2K0198-05	Ferric Iron	6.31	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	7.22	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-121-70-1102	B2K0198-06	Ferric Iron	4.22	mg/L	J	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500	mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high	

Summary of Qualified Data - Fourth Quarter 2002 <sup>a</sup> (cont.)

Sample ID	Laboratory		Analyte	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Flag		Qualifier	Quality Control Reason			
CG-122-60-1102	B2K0140-05	Ferric Iron	4.48 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500 mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-122-WT-1102	B2K0140-04	Ferric Iron	10.7 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	19 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-123-90-1102	B2K0220-02	Ferric Iron	3.3 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	6.58 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-40-1102	B2K0198-03	Ferric Iron	3.66 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	1.52 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-70-1102	B2K0198-04	Ferric Iron	7.51 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.708 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-WT-1102	B2K0198-02	Ferric Iron	0.500 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	3 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-127-40-1102	B2K0140-03	Ferric Iron	13.3 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	7.05 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-127-WT-1102	B2K0140-02	Ferric Iron	0.500 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500 mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-128-70-1102	B2K0231-03	Ferric Iron	3.18 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	1.3 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-130-WT-1102	B2K0072-04	Ferric Iron	0.500 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	3.44 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-135-40-1102	B2K0325-06	Ferric Iron	16.5 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	18.6 mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-141-WT-1102	B2K0100-02	Ferrous Iron (Ferric iron not requested for analysis)	1.94 mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-143-40-1102	B2K0287-02	Ferric Iron	4.34 mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	0.500 mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high	

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Bias
CG-143-WT-1102	B2K0287-04	Ferric Iron	1.74 mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	9.85 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-144-35-1102	B2K0072-01	Ferric Iron	0.500 mg/L	U	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	7.6 mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-145-35-1102	B2K0072-02	Ferric Iron	1.41 mg/L		J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500 mg/L	U	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-3-1102	B2K0287-05	Ferric Iron	0.500 mg/L	U	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	1.15 mg/L		J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-S1-1102	B2K0183-03	1,1-Dichloroethane	58.4 µg/L	E	J	Concentration above calibration range	NA	Low or high
		1,3,5-Trimethylbenzene	55.1 µg/L	E	J	Concentration above calibration range	NA	Low or high
		Ethylbenzene	6,510 µg/L	DE	J	Concentration above calibration range	NA	Low or high
CG-105-S1-1102	B2K0264-02	1,1,2-Trichloro-1,2,2-trifluoroethane	148 µg/L	E	J	Concentration above calibration range	NA	Low or high
		1,1-Dichloroethane	254 µg/L	E	J	Concentration above calibration range	NA	Low or high
		1,2-Dichloroethane	53.3 µg/L	E	J	Concentration above calibration range	NA	Low or high
		1,3,5-Trimethylbenzene	143 µg/L	E	J	Concentration above calibration range	NA	Low or high
		2-Butanone	134 µg/L	E	J	Concentration above calibration range	NA	Low or high
		4-Methyl-2-pentanone	349 µg/L	E	J	Concentration above calibration range	NA	Low or high
CG-113-S1-1102	B2K0183-05RE1	Naphthalene	82.8 µg/L	E	J	Concentration above calibration range	NA	Low or high
		Ethylbenzene	3,960 µg/L	DE	J	Concentration above calibration range	NA	Low or high
CG-127-40-1102	B2K0140-03	1,1-Dichloroethane	6.27 µg/L		J	Surrogate 1,2-dichloroethane-d4	123 percent recovery	High
		Benzene	0.512 µg/L		J	surrogate recovery above upper control limit of 122 percent		High
		Chloroethane	1.54 µg/L		J			High
		cis-1,2-Dichloroethene	4.29 µg/L		J			
		Vinyl chloride	7.49 µg/L		J			
CG-127-WT-1102	B2K0140-02	1,1-Dichloroethane	5.2 µg/L		J	Surrogate 1,2-dichloroethane-d4	124 percent recovery	High
		Trichloroethene	17.4 µg/L		J	surrogate recovery above upper control limit of 122 percent		High
		Vinyl chloride	2.88 µg/L		J			High
CG-131-WT-1102	B2K0146-06	cis-1,2-Dichloroethene	89.4 µg/L	E	J	Concentration above calibration range	NA	Low or high

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
CG-105-S1-1102	B2K0264-02	Benzoic Acid	1,030	µg/L	E	J		Concentration above calibration range	NA	Low or high
		1-Methylnaphthalene	3.74	µg/L		J		Associated internal standard response outside applicable control limit	Not specified by laboratory	
		2-Methylnaphthalene	5.66	µg/L		J				
CG-101-S1-1102	B2K0325-02	Bis(2-ethylhexyl)phthalate	21.9	µg/L	BE	J		Method blank contamination	Detected at 1.96 µg/L	False positive
CG-101-S2-1102	B2K0325-03	Bis(2-ethylhexyl)phthalate	5.03	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 1.96 µg/L	False positive
CG-102-I-1102	B2K0077-02	Bis(2-ethylhexyl)phthalate	0.699	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-102-S1-1102	B2K0263-05	Bis(2-ethylhexyl)phthalate	5.03	µg/L	BE	U		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-102-S2-1102	B2K0263-04	Bis(2-ethylhexyl)phthalate	2.75	µg/L	B	U		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-103-I-1102	B2K0146-03	Bis(2-ethylhexyl)phthalate	0.386	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-103-S2-1102	B2K0146-04	Bis(2-ethylhexyl)phthalate	0.428	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-103-S1-1102	B2K0146-02	Bis(2-ethylhexyl)phthalate	0.546	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-104-I-1102	B2K0264-06	Bis(2-ethylhexyl)phthalate	14	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-104-S1-1102	B2K0183-03	Bis(2-ethylhexyl)phthalate	0.993	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-104-S2-1102	B2K0183-02	Bis(2-ethylhexyl)phthalate	0.479	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-105-I-1102	B2K0264-05	Bis(2-ethylhexyl)phthalate	9.02	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-105-S1-1102	B2K0264-02	1-Methylnaphthalene	3.96	µg/L	E	J		Concentration above calibration range	NA	Low or high
		Bis(2-ethylhexyl)phthalate	8.89	µg/L	BE	UU		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-105-S2-1102	B2K0264-03	Bis(2-ethylhexyl)phthalate	24.7	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive



Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
CG-106-D-1102	B2K0288-04	Bis(2-ethylhexyl)phthalate	5.63	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-106-I-1102	B2K0288-03	Bis(2-ethylhexyl)phthalate	30.6	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-106-WT-1102	B2K0288-02	Bis(2-ethylhexyl)phthalate	3.69	µg/L	B	U		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-107-WT-1102	B2K0263-03	Bis(2-ethylhexyl)phthalate	2.23	µg/L	B	U		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-111-I-1102	B2K0263-02	Bis(2-ethylhexyl)phthalate	2.21	µg/L	B	U		Method blank contamination	Detected at 8.03 µg/L	False positive
CG-112-S1-1102	B2K0321-02	3,3'-Dichlorobenzidine	0.0200	µg/L	U	J		ρ-Terphenyl-d14 surrogate recovery	24.8 percent recovery	Low
		4-Nitroaniline	0.0200	µg/L	U	J		below lower control limit of 30 percent		Low
		Aniline	0.0500	µg/L	U	J				Low
		Benzo (a) anthracene	0.0100	µg/L	U	J				Low
		Benzo (a) pyrene	0.0100	µg/L	U	J				Low
		Benzo (b) fluoranthene	0.0100	µg/L	U	J				Low
		Benzo (ghi) perylene	0.100	µg/L	U	J				Low
		Benzo (k) fluoranthene	0.0100	µg/L	U	J				Low
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J				Low
		Carbazole	0.0200	µg/L	U	J				Low
		Chrysene	0.166	µg/L	U	J				Low
		Dibenz (a,h) anthracene	0.0100	µg/L	U	J				Low
		Hexachlorobenzene	0.0200	µg/L	U	J				Low
		Hexachlorobutadiene	0.0200	µg/L	U	J				Low
		Hexachloroethane	0.0200	µg/L	U	J				Low
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J				Low
		Nitrobenzene	0.0200	µg/L	U	J				Low
N-Nitrosodi-n-propylamine	0.0100	µg/L	U	J			Low			
Bis(2-ethylhexyl)phthalate	7.07	µg/L	BE	UU			Method blank contamination and ρ-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	Detected at 1.96 µg/L	False positive	
CG-114-75-1102	B2K0220-03	Bis(2-ethylhexyl)phthalate	0.406	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-115-75-1102	B2K0220-05	Bis(2-ethylhexyl)phthalate	1.67	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
CG-115-WT-1102	B2K0220-06	3,3'-Dichlorobenzidine	0.0200	µg/L	U	J		p-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	19.6 percent recovery	Low
		4-Nitroaniline	0.0200	µg/L	U	J				Low
		Aniline	0.0500	µg/L	U	J				Low
		Benzo (a) anthracene	0.0100	µg/L	U	J				Low
		Benzo (a) pyrene	0.0100	µg/L	U	J				Low
		Benzo (b) fluoranthene	0.0100	µg/L	U	J				Low
		Benzo (ghi) perylene	0.100	µg/L	U	J				Low
		Benzo (k) fluoranthene	0.0100	µg/L	U	J				Low
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J				Low
		Carbazole	0.0200	µg/L	U	J				Low
		Chrysene	0.0100	µg/L	U	J				Low
		Dibenz (a,h) anthracene	0.0100	µg/L	U	J				Low
		Hexachlorobenzene	0.0200	µg/L	U	J				Low
		Hexachlorobutadiene	0.0200	µg/L	U	J				Low
		Hexachloroethane	0.0200	µg/L	U	J				Low
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J				Low
		Nitrobenzene	0.0200	µg/L	U	J				Low
		N-Nitrosodi-n-propylamine	0.0100	µg/L	U	J				Low
		Bis(2-ethylhexyl)phthalate	1.5	µg/L	B	UU			Method blank contamination and p-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	Detected at 6.72 µg/L 19.6 percent recovery
CG-119-40-1102	B2K0287-06	Bis(2-ethylhexyl)phthalate	5.82	µg/L	BE	UU		Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-120-75-1102	B2K0231-06	Bis(2-ethylhexyl)phthalate	0.689	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-121-40-1102	B2K0198-05	Bis(2-ethylhexyl)phthalate	1.02	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-121-70-1102	B2K0198-06	Bis(2-ethylhexyl)phthalate	0.535	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-122-60-1102	B2K0140-05	Bis(2-ethylhexyl)phthalate	1.06	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-122-WT-1102	B2K0140-04	Bis(2-ethylhexyl)phthalate	0.331	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-123-90-1102	B2K0220-02	Bis(2-ethylhexyl)phthalate	0.472	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-124-40-1102	B2K0198-03	Bis(2-ethylhexyl)phthalate	30.8	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Flag	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
CG-124-70-1102	B2K0198-04	Bis(2-ethylhexyl)phthalate	0.629	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-125-40-1102	B2K0231-05	Bis(2-ethylhexyl)phthalate	0.741	µg/L	B	U		Method blank contamination	Detected at 6.72 µg/L	False positive
CG-126-WT-1102	B2K0231-04	3,3'-Dichlorobenzidine 4-Nitroaniline	0.0200 0.0200 0.0500	µg/L µg/L µg/L	U U U	J J J		p-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	18.2 percent recovery	Low Low Low
		Benzo (a) anthracene	0.0100	µg/L	U	J				Low
		Benzo (a) pyrene	0.0100	µg/L	U	J				Low
		Benzo (b) fluoranthene	0.0100	µg/L	U	J				Low
		Benzo (ghi) perylene	0.100	µg/L	U	J				Low
		Benzo (k) fluoranthene	0.0100	µg/L	U	J				Low
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J				Low
		Carbazole	0.0200	µg/L	U	J				Low
		Chrysene	0.0100	µg/L	U	J				Low
		Dibenz (a,h) anthracene	0.0100	µg/L	U	J				Low
		Hexachlorobenzene	0.0200	µg/L	U	J				Low
		Hexachlorobutadiene	0.0200	µg/L	U	J				Low
		Hexachloroethane	0.0200	µg/L	U	J				Low
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J				Low
		Nitrobenzene	0.0200	µg/L	U	J				Low
		N-Nitrosodi-n-propylamine	0.0100	µg/L	U	J				Low
B2K0231-04		Bis(2-ethylhexyl)phthalate	0.517	µg/L	B	UU		Method blank contamination and p-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	Detected at 6.72 µg/L 18.2 percent recovery	False positive
CG-127-40-1102	B2K0140-03	Bis(2-ethylhexyl)phthalate	1.21	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive
CG-127-WT-1102	B2K0140-02	Bis(2-ethylhexyl)phthalate	0.528	µg/L	B	U		Method blank contamination	Detected at 1.03 µg/L	False positive

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
CG-128-70-1102	B2K0231-03	3,3'-Dichlorobenzidine	0.0200	µg/L	U	J		<i>p</i> -Terphenyl-d14 surrogate recovery	23.9 percent recovery	Low
		4-Nitroaniline	0.0200	µg/L	U	J		below lower control limit of 30 percent		Low
		Aniline	0.0500	µg/L	U	J				Low
		Benzo (a) anthracene	0.0100	µg/L	U	J				Low
		Benzo (a) pyrene	0.0100	µg/L	U	J				Low
		Benzo (b) fluoranthene	0.0100	µg/L	U	J				Low
		Benzo (ghi) perylene	0.100	µg/L	U	J				Low
		Benzo (k) fluoranthene	0.0100	µg/L	U	J				Low
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J				Low
		Carbazole	0.0200	µg/L	U	J				Low
		Chrysene	0.0100	µg/L	U	J				Low
		Dibenz (a,h) anthracene	0.0100	µg/L	U	J				Low
		Hexachlorobenzene	0.0200	µg/L	U	J				Low
		Hexachlorobutadiene	0.0200	µg/L	U	J				Low
		Hexachloroethane	0.0200	µg/L	U	J				Low
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J				Low
		Nitrobenzene	0.0200	µg/L	U	J				Low
		<i>N</i> -Nitrosodi- <i>n</i> -propylamine	0.0100	µg/L	U	J				Low
		Bis(2-ethylhexyl)phthalate	0.999	µg/L	B	UU			Method blank contamination and <i>p</i> -Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	Detected at 6.72 µg/L 23.9 percent recovery
CG-128-WT-1102	B2K0231-02	3,3'-Dichlorobenzidine	0.0200	µg/L	U	J		<i>p</i> -Terphenyl-d14 surrogate recovery	28.0 percent recovery	Low
		4-Nitroaniline	0.0200	µg/L	U	J		below lower control limit of 30 percent		Low
		Aniline	0.0500	µg/L	U	J				Low
		Benzo (a) anthracene	0.0100	µg/L	U	J				Low
		Benzo (a) pyrene	0.0100	µg/L	U	J				Low
		Benzo (b) fluoranthene	0.0100	µg/L	U	J				Low
		Benzo (ghi) perylene	0.100	µg/L	U	J				Low
		Benzo (k) fluoranthene	0.0100	µg/L	U	J				Low
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J				Low
		Carbazole	0.0200	µg/L	U	J				Low
		Chrysene	0.0100	µg/L	U	J				Low
Dibenz (a,h) anthracene	0.0100	µg/L	U	J				Low		

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab		Validation		Quality Control Reason	Quality Control Result	Possible Bias
			Result	Units	Flag	Qualifier			
CG-128-WT-1102 (continued)	B2K0231-02	Hexachlorobenzene	0.0200	µg/L	U	J			Low
		Hexachlorobutadiene	0.0200	µg/L	U	J			Low
		Hexachloroethane	0.0200	µg/L	U	J			Low
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J			Low
		Nitrobenzene	0.0200	µg/L	U	J			Low
		N-Nitrosodi-n-propylamine	0.0100	µg/L	U	J			Low
		Bis(2-ethylhexyl)phthalate	2.39	µg/L	B	UU	Method blank contamination and p-Terphenyl-d14 surrogate recovery below lower control limit of 30 percent	Detected at 6.72 µg/L 28.0 percent recovery	False positive
CG-129-40-1102	B2K0108-09	Bis(2-ethylhexyl)phthalate	0.351	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-130-WT-1102	B2K0100-09	Bis(2-ethylhexyl)phthalate	1.09	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-131-40-1102	B2K0146-07	Bis(2-ethylhexyl)phthalate	0.82	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-131-WT-1102	B2K0146-06	Bis(2-ethylhexyl)phthalate	0.792	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-132-40-1102	B2K0108-07	Bis(2-ethylhexyl)phthalate	2.2	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-132-WT-1102	B2K0108-06	Bis(2-ethylhexyl)phthalate	0.495	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
CG-3-1102	B2K0287-05	Bis(2-ethylhexyl)phthalate	4.74	µg/L	BE	UU	Method blank contamination and concentration above calibration range	Detected at 8.03 µg/L	False positive
CG-9-102-S1-1102	B2K0263-06	Bis(2-ethylhexyl)phthalate	4.3	µg/L	BE	U	Method blank contamination	Detected at 8.03 µg/L	False positive
CG-9-106-WT-1102	B2K0288-05	Bis(2-ethylhexyl)phthalate	3.08	µg/L	B	U	Method blank contamination	Detected at 8.03 µg/L	False positive
CG-9-131-40-1102	B2K0146-08	Bis(2-ethylhexyl)phthalate	0.926	µg/L	B	U	Method blank contamination	Detected at 1.03 µg/L	False positive
BF03-1102	B2K0264-04	Ethane	10.0	µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethene	10.0	µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	1.20	µg/L	U	J		RPD of 59.2 percent	Low or high
CG-104-I-1102	B2K0264-06	Ethane	282	µg/L	J	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethene	1,650	µg/L	J	J		RPD of 73.9 percent	Low or high
		Methane	21,700	µg/L	J	J		RPD of 59.2 percent	Low or high

Summary of Qualified Data - Fourth Quarter 2002<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation			Quality Control Reason	Quality Control Result	Possible Bias
			Result Units	Flag	Qualifier			
CG-105-I-1102	B2K0264-05	Ethane	200 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	200 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	28,100 µg/L		J		RPD of 59.2 percent	Low or high
CG-105-S1-1102	B2K0264-02	Ethane	61.2 µg/L		J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	264 µg/L		J		RPD of 73.9 percent	Low or high
		Methane	1,360 µg/L		J		RPD of 59.2 percent	Low or high
CG-105-S2-1102	B2K0264-03	Ethane	28 µg/L		J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	2,830 µg/L		J		RPD of 59.2 percent	Low or high
CG-107-WT-1102	B2K0263-03	Ethane	10.0 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	10,100 µg/L		J		RPD of 59.2 percent	Low or high
CG-111-I-1102	B2K0263-02	Ethane	200 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	245 µg/L		J		RPD of 73.9 percent	Low or high
		Methane	26,100 µg/L		J		RPD of 59.2 percent	Low or high
CG-128-70-1102	B2K0231-03	Ethane	57.2 µg/L		J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	12,200 µg/L		J		RPD of 59.2 percent	Low or high
TRIP BLANK	B2K0231-01	Ethane	10.0 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	1.20 µg/L	U	J		RPD of 59.2 percent	Low or high
TRIP BLANK	B2K0263-01	Ethane	10.0 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	1.20 µg/L	U	J		RPD of 59.2 percent	Low or high
TRIP BLANK	B2K0264-01	Ethane	10.0 µg/L	U	J	RPD of duplicate sample above control limit of 35 percent	RPD of 71.4 percent	Low or high
		Ethane	10.0 µg/L	U	J		RPD of 73.9 percent	Low or high
		Methane	1.20 µg/L	U	J		RPD of 59.2 percent	Low or high

Summary of Qualified Data - Fourth Quarter 2002 <sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Lab Validation		Result Units	Quality Control Reason	Quality Control Result	Bias		
			Flag	Qualifier						
CG-132-WT-1102	B2K0108-06RE1	C10-C12 Aliphatics	U	J	58.8 µg/L	Sample analyses completed past 7-day holding time constraint	8-days elapsed until analysis	Low or high		
		C10-C12 Aromatics	U	J	58.8 µg/L			Low or high		
		C12-C16 Aliphatics	U	J	58.8 µg/L			Low or high		
		C12-C16 Aromatics	U	J	58.8 µg/L			Low or high		
		C16-C21 Aliphatics	U	J	58.8 µg/L			Low or high		
		C16-C21 Aromatics	U	J	58.8 µg/L			Low or high		
		C21-C34 Aliphatics	U	J	58.8 µg/L			Low or high		
		C21-C34 Aromatics	U	J	58.8 µg/L			Low or high		
		C8-C10 Aliphatics	U	J	58.8 µg/L			Low or high		
		C8-C10 Aromatics	U	J	58.8 µg/L			Low or high		
		Extractable Petroleum Hydrocarbons	U	J	58.8 µg/L			Low or high		
		CG-104-D-1102	B2K0183-04	C10-C12 Aliphatics	U	J	50.0 µg/L	Sample was not received preserved to a pH <2 as required by method and analysis completed past the holding time requirement of 7 days	pH >2 and analysis completed 5 days past the 7-day holding time constraint	Low or high
				C10-C12 Aromatics	U	J	50.0 µg/L			Low or high
				C12-C13 Aromatics	U	J	50.0 µg/L			Low or high
C5-C6 Aliphatics	U			J	50.0 µg/L			Low or high		
C6-C8 Aliphatics	U			J	50.0 µg/L			Low or high		
C8-C10 Aliphatics	U			J	50.0 µg/L			Low or high		
C8-C10 Aromatics	U			J	50.0 µg/L			Low or high		
Total VPH (TVPH)	U			J	50.0 µg/L			Low or high		
TRIP BLANK	B2K0263-01			C10-C12 Aliphatics	U	J	50.0 µg/L	Head space was present in the sample container, as documented by the laboratory	Head space	Low or high
				C10-C12 Aromatics	U	J	50.0 µg/L			Low or high
		C12-C13 Aromatics	U	J	50.0 µg/L			Low or high		
		C5-C6 Aliphatics	U	J	50.0 µg/L			Low or high		
		C6-C8 Aliphatics	U	J	50.0 µg/L			Low or high		
		C8-C10 Aliphatics	U	J	50.0 µg/L			Low or high		
		C8-C10 Aromatics	U	J	50.0 µg/L			Low or high		
		Total VPH (TVPH)	U	J	50.0 µg/L			Low or high		

**Note:** B - dilution  
D - dilution  
E - estimated (concentration above upper calibration range of instrument)  
J - estimated  
NA - not applicable

RE1 - reanalysis  
RPD - relative percent difference  
U - undetected at reporting limit shown  
VPH - volatile petroleum hydrocarbons

<sup>a</sup> Summary of qualified data is for natural samples only and does not include laboratory duplicate sample results.

Summary of Qualified Data - January 2003 Background Well Sampling Event

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Flag	Validation		Quality Control Reason	Quality Control		Possible Bias
						Flag	Qualifier		Result	Result	
CG-101-S1-0103	B3A0325-04	Bis(2-ethylhexyl)phthalate	3.53	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-101-S2-0103	B3A0325-06	Bis(2-ethylhexyl)phthalate	19.5	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-106-D-0103	B3A0305-03	Bis(2-ethylhexyl)phthalate	3.88	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-106-I-0103	B3A0305-05	Bis(2-ethylhexyl)phthalate	7.8	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-106-WT-0103	B3A0305-04	Bis(2-ethylhexyl)phthalate	6.11	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-107-WT-0103	B3A0325-02	2,4,5-Trichlorophenol	0.0500	µg/L	U	J	J	Internal standard response	Below lower control limit		Low or high
		2,4,6-Trichlorophenol	0.0500	µg/L	U	J	J	Internal standard response	Below lower control limit		Low or high
		4-Nitroaniline	0.0200	µg/L	U	J	J	Internal standard response	Below lower control limit		Low or high
		Bis(2-ethylhexyl)phthalate	3.61	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-111-I-0103	B3A0305-02	Bis(2-ethylhexyl)phthalate	6.6	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-3-0103	B3A0325-03	Bis(2-ethylhexyl)phthalate	4.49	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-9-101-S1-0103	B3A0325-05	Bis(2-ethylhexyl)phthalate	3.15	µg/L	B	U	U	Method blank contamination	4.34	µg/L	False positive
CG-106-D-0103	B3A0305-03RE1	C10-C12 Aliphatics	50.0	µg/L	U	J	J	Re-extraction completed	Re-extraction completed		Low or high
		C10-C12 Aromatics	50.0	µg/L	U	J	J	outside 14-day holding time	1-day past 14-day		Low or high
		C12-C16 Aliphatics	50.0	µg/L	U	J	J	constraint	holding time constraint		Low or high
		C12-C16 Aromatics	50.0	µg/L	U	J	J				Low or high
		C16-C21 Aliphatics	50.0	µg/L	U	J	J				Low or high
		C16-C21 Aromatics	50.0	µg/L	U	J	J				Low or high
		C21-C34 Aliphatics	50.0	µg/L	U	J	J				Low or high
		C21-C34 Aromatics	50.0	µg/L	U	J	J				Low or high
		C8-C10 Aliphatics	50.0	µg/L	U	J	J				Low or high
		Extractable Petroleum Hydrocarbons	50.0	µg/L	U	J	J				Low or high

Note: B - blank contamination

J - estimated

U - undetected at reporting limit shown



Summary of Qualified Data - First Quarter 2003<sup>a</sup>

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Validation Flag	Quality Control Reason	Quality Control Result	Possible Bias
CG-124-70-0203	B3B0228-04	Nitrite-Nitrogen	1.00	mg/L	UD	Holding time constraint of 48 hrs. not met	>48 hrs.	Low or high
CG-127-WT-0203	B3B0228-07	Nitrate-Nitrogen	10.4	mg/L	D	Holding time constraint of 48 hrs. not met	>48 hrs.	Low or high
CG-101-S1-0203	B3B0081-02	Ferric Iron	0.500	mg/L	U	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high
CG-101-S2-0203	B3B0081-03	Ferric Iron	0.911	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-D-0203	B3B0103-03	Ferric Iron	4.88	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-I-0203	B3B0103-02	Ferric Iron	5.85	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.514	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-S1-0203	B3B0081-06	Ferric Iron	11.9	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	14.3	mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high
CG-104-S2-0203	B3B0081-07	Ferric Iron	6.47	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	2	mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-I-0203	B3B0103-06	Ferric Iron	0.875	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.913	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-S1-0203	B3B0103-04	Ferric Iron	15.6	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	20.5	mg/L	D	Holding time >24 hrs.	>24 hrs.	Low or high
CG-105-S2-0203	B3B0103-05	Ferric Iron	7.21	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	1.95	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-D-0203	B3B0128-04	Ferric Iron	1.21	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-I-0203	B3B0128-03	Ferric Iron	1.68	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high
CG-106-WT-0203	B3B0128-02	Ferric Iron	0.500	mg/L	U	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high
		Ferrous Iron	0.500	mg/L	U	Holding time >24 hrs.	>24 hrs.	Low or high

Summary of Qualified Data - First Quarter 2003<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Validation Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-107-WT-0203	B3B0128-05	Ferric Iron	4.33	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			2.95	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-111-I-0203	B3B0128-06	Ferric Iron	2.27	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			0.514	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-113-S1-0203	B3B0163-03	Ferric Iron	3.26	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			10.0	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-121-40-0203	B3B0201-03	Ferric Iron	9.57	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			5.00	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-121-70-0203	B3B0201-04	Ferric Iron	2.38	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			1.45	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-122-60-0203	B3B0201-06	Ferric Iron	2.32	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			0.500	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-122-WT-0203	B3B0201-05	Ferric Iron	10.2	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			16.9	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-123-90-0203	B3B0201-07	Ferric Iron	9.55	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			2.50	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-40-0203	B3B0228-03	Ferric Iron	4.28	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			1.51	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-70-0203	B3B0228-04	Ferric Iron	6.21	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			0.500	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-124-WT-0203	B3B0228-02	Ferric Iron	2.09	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			2.4	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-127-40-0203	B3B0228-08	Ferric Iron	7.31	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			11.9	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-127-WT-0203	B3B0228-07	Ferric Iron	0.500	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			0.500	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-128-70-0203	B3B0305-03	Ferric Iron	3.88	mg/L	J	Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
			0.553	mg/L	J	Holding time >24 hrs.	>24 hrs.	Low or high	

Summary of Qualified Data - First Quarter 2003\* (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Units	Lab Validation Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-130-WT-0203	B3B0305-06	Ferric Iron Ferrous Iron	0.500 mg/L 0.586 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-134-40-0203	B3B0328-06	Ferric Iron Ferrous Iron	10.5 mg/L 14.5 mg/L	D	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-134-WT-0203	B3B0328-05	Ferric Iron Ferrous Iron	0.500 mg/L 0.500 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-135-40-0203	B3B0359-02	Ferric Iron Ferrous Iron	22.4 mg/L 14.4 mg/L	D	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-140-40-0203	B3B0386-04	Ferric Iron Ferrous Iron	7.32 mg/L 0.500 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-140-WT-0203	B3B0386-03	Ferric Iron Ferrous Iron	1.01 mg/L 1.14 mg/L	J	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-141-40-0203	B3B0386-06	Ferric Iron Ferrous Iron	9.48 mg/L 7.92 mg/L	D	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-141-WT-0203	B3B0386-05	Ferric Iron Ferrous Iron	0.819 mg/L 0.500 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-143-40-0203	B3B0412-05	Ferric Iron Ferrous Iron	4.05 mg/L 0.500 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-143-WT-0203	B3B0412-04	Ferric Iron Ferrous Iron	3.32 mg/L 15.3 mg/L	D	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-144-35-0203	B3B0412-06	Ferric Iron Ferrous Iron	5.06 mg/L 1.54 mg/L	J	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-145-35-0203	B3B0412-07	Ferric Iron Ferrous Iron	4.94 mg/L 0.500 mg/L	U	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-3-0203	B3B0057-05	Ferric Iron Ferrous Iron	0.867 mg/L 0.955 mg/L	J	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high
CG-9-105-1-0203	B3B0103-07	Ferric Iron Ferrous Iron	0.968 mg/L 0.853 mg/L	J	J	Ferrous iron holding time >24 hrs. Holding time >24 hrs.	>24 hrs. >24 hrs.	Low or high Low or high

Summary of Qualified Data - First Quarter 2003<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias	
CG-9-123-90-0203	B3B0201-08	Ferric Iron	9.27	mg/L	J		Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	2.50	mg/L	UD	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-9-135-40-0203	B3B0359-03	Ferric Iron	25.3	mg/L	J		Ferrous iron holding time >24 hrs.	>24 hrs.	Low or high	
		Ferrous Iron	14.8	mg/L	D	J	Holding time >24 hrs.	>24 hrs.	Low or high	
CG-102-D-0203 (analysis by SIM)	B3B0029-06	1,1,2,2-Tetrachloroethane	0.100	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method and analysis completed >7 days	pH >2 and analysis completed within 11 days	Low or high	
		1,1-Dichloroethene	0.0500	µg/L	U	J			Low or high	
		1,2-Dichloroethane	0.100	µg/L	U	J			Low or high	
		1,4-Dichlorobenzene	0.100	µg/L	U	J			Low or high	
		Carbon tetrachloride	0.0500	µg/L	U	J			Low or high	
		Tetrachloroethene	0.0500	µg/L	U	J			Low or high	
		Trichloroethene	0.03	µg/L	J				Low or high	
		Vinyl chloride	0.024	µg/L	J				Low or high	
		1,1,2,2-Tetrachloroethane	0.100	µg/L	U	J		Sample was not received preserved to a pH <2 as required by method and analysis completed >7 days	pH >2 and analysis completed within 10 days	Low or high
		1,1-Dichloroethene	0.0500	µg/L	U	J				Low or high
CG-104-D-0203 (analysis by SIM)	B3B0103-03	1,2-Dichloroethane	0.100	µg/L	U	J			Low or high	
		1,4-Dichlorobenzene	0.100	µg/L	U	J			Low or high	
		Carbon tetrachloride	0.0500	µg/L	U	J			Low or high	
		Tetrachloroethene	0.0500	µg/L	U	J			Low or high	
		Trichloroethene	0.168	µg/L	J				Low or high	
		Vinyl chloride	0.034	µg/L	J				Low or high	
		1,1,2,2-Tetrachloroethane	4.24	µg/L	E	J	Concentration above calibration range	NA	High	
		1,1,1-Trichloroethane	1.00	µg/L	U	J		Sample was not received preserved to a pH <2 as required by method and analysis completed >7 days	pH >2 and analysis completed within 8 days	Low or high
		1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	µg/L	U	J				Low or high
		1,1,2-Trichloroethane	0.500	µg/L	U	J				Low or high
CG-124-WT-0203	B3B0029-06	1,1-Dichloroethane	1.00	µg/L	U	J			Low or high	
		1,2,4-Trimethylbenzene	1.00	µg/L	U	J			Low or high	
		1,2-Dichlorobenzene	1.00	µg/L	U	J			Low or high	
		1,2-Dichloropropane	0.500	µg/L	U	J			Low or high	
		1,3,5-Trimethylbenzene	1.00	µg/L	U	J			Low or high	
		1,3-Dichlorobenzene	0.500	µg/L	U	J			Low or high	
		2-Butanone	10.0	µg/L	U	J			Low or high	
		2-Chloroethylvinyl ether	5.00	µg/L	U	J			Low or high	
		2-Hexanone	10.0	µg/L	U	J			Low or high	
		4-Methyl-2-pentanone	10.0	µg/L	U	J			Low or high	
Acetone	25.0	µg/L	U	J			Low or high			

Summary of Qualified Data - First Quarter 2003<sup>8</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Units	Lab Validation Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
		Benzene	0.500 µg/L	U	J			Low or high
		Bromodichloromethane	0.500 µg/L	U	J			Low or high
		Bromoform	1.00 µg/L	U	J			Low or high
		Bromomethane	2.00 µg/L	U	J			Low or high
		Carbon disulfide	0.500 µg/L	U	J			Low or high
		Chlorobenzene	1.00 µg/L	U	J			Low or high
		Chloroethane	1.00 µg/L	U	J			Low or high
		Chloroform	1.00 µg/L	U	J			Low or high
		Chloromethane	2.50 µg/L	U	J			Low or high
		cis-1,2-Dichloroethene	1.00 µg/L	U	J			Low or high
		cis-1,3-Dichloropropene	1.00 µg/L	U	J			Low or high
		Dibromochloromethane	0.500 µg/L	U	J			Low or high
		Diisopropyl ether	1.00 µg/L	U	J			Low or high
		Ethanol	50.0 µg/L	U	J			Low or high
		Ethyl tert-butyl ether	1.00 µg/L	U	J			Low or high
		Ethylbenzene	1.00 µg/L	U	J			Low or high
		m,p-Xylene	2.00 µg/L	U	J			Low or high
		Methyl tert-butyl ether	5.00 µg/L	U	J			Low or high
		Methylene chloride	5.00 µg/L	U	J			Low or high
		Naphthalene	0.500 µg/L	U	J			Low or high
		n-Butylbenzene	1.00 µg/L	U	J			Low or high
		n-Hexane	2.00 µg/L	U	J			Low or high
		o-Xylene	1.00 µg/L	U	J			Low or high
		Styrene	1.00 µg/L	U	J			Low or high
		tert-Amyl Methyl Ether	1.00 µg/L	U	J			Low or high
		tert-Butyl Alcohol	50.0 µg/L	U	J			Low or high
		Toluene	1.00 µg/L	U	J			Low or high
		trans-1,2-Dichloroethene	1.00 µg/L	U	J			Low or high
		trans-1,3-Dichloropropene	1.00 µg/L	U	J			Low or high
		Trichlorofluoromethane	1.00 µg/L	U	J			Low or high
		Vinyl acetate	5.00 µg/L	U	J			Low or high
CG-107-WT-0203	B3B0128-05	1,2,4-Trimethylbenzene	114 µg/L	E	J	Concentration above calibration range	NA	High
		1,3,5-Trimethylbenzene	50.8 µg/L	E	J	Concentration above calibration range	NA	High
CG-1-S1-0203	B3B0029-07	1,1,1-Trichloroethane	348 µg/L	E	J	Concentration above calibration range	NA	High
		1,1-Dichloroethane	193 µg/L	E	J	Concentration above calibration range	NA	High
		1,2,4-Trimethylbenzene	242 µg/L	E	J	Concentration above calibration range	NA	High
		1,3,5-Trimethylbenzene	109 µg/L	E	J	Concentration above calibration range	NA	High

Summary of Qualified Data - First Quarter 2003<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-105-I-0203	B3B0103-06	1,4-Dioxane	1.00	µg/L	U	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-107-WT-0203	B3B0128-05RE1	1,4-Dioxane	1.00	µg/L	U	J	Holding time constraint for extraction >7 days	Extraction completed within 11 days	Low or high
CG-122-60-0203	B3B0201-06RE1	1,4-Dioxane	1040	µg/L	D	J	No recovery obtained for surrogate compound and associated MS/MSD due to matrix effects	NA	Low or high
CG-125-40-0203	B3B0228-06RE1	1,4-Dioxane	105	µg/L	D	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-126-WT-0203	B3B0228-05	1,4-Dioxane	1.00	µg/L	U	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-127-40-0203	B3B0228-08RE1	1,4-Dioxane	493	µg/L	D	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-128-70-0203	B3B0305-03RE1	1,4-Dioxane	66	µg/L	D	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-129-40-0203	B3B0305-05RE1	1,4-Dioxane	106	µg/L	D	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-131-40-0203	B3B0305-08RE1	1,4-Dioxane	300	µg/L	D	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-9-105-I-0203	B3B0103-07	1,4-Dioxane	1.00	µg/L	U	J	No recovery obtained for surrogate compound due to matrix effects	NA	Low or high
CG-105-S1-0203	B3B0103-04	1-Methylnaphthalene 2,4,6-Trichlorophenol Pentachlorophenol	7.03 0.500 0.500	µg/L µg/L µg/L	U U U	J J J	Recovery of surrogate compound p-terphenyl-d14 below lower control limit of 30 percent	Recovery of 26.8 percent	Low or high Low or high Low or high
CG-106-D-0203	B3B0128-04	1-Methylnaphthalene 2,4,6-Trichlorophenol Pentachlorophenol	0.100 0.500 0.500	µg/L µg/L µg/L	U U U	J J J	Recovery of surrogate compound 2,4,6-tribromophenol below lower control limit of 22 percent	Recovery of 20 percent	Low or high Low or high Low or high
CG-11-S1-0203	B3B0057-07	2-Methylnaphthalene	12.5	µg/L		J	Concentration above calibration range	NA	High

Summary of Qualified Data - First Quarter 2003<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-10-S1-0203	B3B0057-06	Bis(2-ethylhexyl)phthalate	2.48	µg/L	U	U	Method blank contamination	Detected at 2.86 µg/L	False positive
CG-1-S1-0203	B3B0029-07	2,4,5-Trichlorophenol	0.0500	µg/L	U	J	Recovery of surrogate compound	Recovery of 26.1 percent	Low or high
		2,4,6-Trichlorophenol	0.0500	µg/L	U	J	p-terphenyl-d14 below lower control		Low or high
		3,3'-Dichlorobenzidine	0.0200	µg/L	U	J	limit of 30 percent		Low or high
		4-Nitroaniline	0.0200	µg/L	U	J			Low or high
		Aniline	0.500	µg/L	UD	J			Low or high
		Benzo (a) anthracene	0.0100	µg/L	U	J			Low or high
		Benzo (a) pyrene	0.0100	µg/L	U	J			Low or high
		Benzo (b) fluoranthene	0.0100	µg/L	U	J			Low or high
		Benzo (ghi) perylene	0.100	µg/L	U	J			Low or high
		Benzo (k) fluoranthene	0.0100	µg/L	U	J			Low or high
		Bis(2-chloroethyl)ether	0.0200	µg/L	U	J			Low or high
		Carbazole	0.0200	µg/L	U	J			Low or high
		Chrysene	0.0100	µg/L	U	J			Low or high
		Dibenz (a,h) anthracene	0.0100	µg/L	U	J			Low or high
		Hexachlorobenzene	0.0200	µg/L	U	J			Low or high
		Hexachlorobutadiene	0.0200	µg/L	U	J			Low or high
		Hexachloroethane	0.0200	µg/L	U	J			Low or high
		Indeno (1,2,3-cd) pyrene	0.0100	µg/L	U	J			Low or high
		Nitrobenzene	0.0200	µg/L	U	J			Low or high
N-Nitrosodi-n-propylamine	0.0100	µg/L	U	J			Low or high		
Bis(2-ethylhexyl)phthalate	3.47	µg/L	UU	UU		Recovery of surrogate compound p-terphenyl-d14 below lower control limit of 30 percent and method blank contamination	Recovery of 26.1 percent	False positive	
CG-2-S1-0203	B3B0057-04	Bis(2-ethylhexyl)phthalate	2.11	µg/L	U	U	Method blank contamination	Detected at 2.86 µg/L	False positive
CG-9-S1-0203	B3B0057-02	Bis(2-ethylhexyl)phthalate	5.17	µg/L	U	U	Method blank contamination	Detected at 2.86 µg/L	False positive
BF01-0203	B3B0057-03	C10-C12 Aliphatics	50.0	µg/L	U	J	Head space in sample container	NA	Low or high
		C10-C12 Aromatics	50.0	µg/L	U	J			Low or high
		C12-C13 Aromatics	50.0	µg/L	U	J			Low or high
		C5-C6 Aliphatics	50.0	µg/L	U	J			Low or high
		C6-C8 Aliphatics	50.0	µg/L	U	J			Low or high
		C8-C10 Aliphatics	50.0	µg/L	U	J			Low or high
		C8-C10 Aromatics	50.0	µg/L	U	J			Low or high
		Total VPH (TVPH)	50.0	µg/L	U	J			Low or high

Summary of Qualified Data - First Quarter 2003<sup>a</sup> (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
CG-102-D-0203	B3B0029-06	C10-C12 Aliphatics	50.0	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method and analysis completed >7days	pH >2 and analysis completed within 8 days	Low or high
		C10-C12 Aromatics	50.0	µg/L	U	J		Low or high	
		C12-C13 Aromatics	50.0	µg/L	U	J		Low or high	
		C5-C6 Aliphatics	50.0	µg/L	U	J		Low or high	
		C6-C8 Aliphatics	50.0	µg/L	U	J		Low or high	
		C8-C10 Aliphatics	50.0	µg/L	U	J		Low or high	
		C8-C10 Aromatics	50.0	µg/L	U	J		Low or high	
Total VPH (TVPH)	50.0	µg/L	U	J	Low or high				
CG-104-D-0203	B3E0103-03	C10-C12 Aliphatics	50.0	µg/L	U	J	Sample was not received preserved to a pH <2 as required by method and analysis completed >7 days	pH >2 and analysis completed within 13 days	Low or high
		C10-C12 Aromatics	50.0	µg/L	U	J		Low or high	
		C12-C13 Aromatics	50.0	µg/L	U	J		Low or high	
		C5-C6 Aliphatics	50.0	µg/L	U	J		Low or high	
		C6-C8 Aliphatics	50.0	µg/L	U	J		Low or high	
		C8-C10 Aliphatics	50.0	µg/L	U	J		Low or high	
		C8-C10 Aromatics	50.0	µg/L	U	J		Low or high	
Total VPH (TVPH)	50.0	µg/L	U	J	Low or high				

Note: D - dilution

E - concentration exceeds calibration level

J - estimated

NA - not applicable

RE1 - reanalysis

U - undetected at reporting limit shown

VPH - volatile petroleum hydrocarbons

<sup>a</sup> Summary of qualified data is for natural samples only and does not include laboratory duplicate sample results.



**Groundwater Reconnaissance Data**  
**(2000 – 2003)**

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Flag	Validation	Quality Control Reason	Quality Control Result	Possible Bias	
									Quality Control Reason	Quality Control Result
F13-12-0302	B2C0548-01	Chromium	0.00134	mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive	
		Copper	0.00372	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Iron	1.9	mg/L		J	Equipment rinsate blank contamination	0.369 mg/L	High or false positive	
		Nickel	0.00509	mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
F13-16-0302	B2C0548-02	Chromium	0.00694	mg/L		J	Equipment rinsate blank contamination	0.027 mg/L	High or false positive	
		Copper	0.00441	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Zinc	0.0112	mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive	
F13-20-0302	B2C0548-03	Chromium	0.00292	mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive	
		Copper	0.0027	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Nickel	0.0115	mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive	
F13-24-0302	B2C0548-04	Zinc	0.165	mg/L		J	Equipment rinsate blank contamination	0.0389 mg/L	High or false positive	
F13-28-0302	B2C0548-05	Zinc	0.15	mg/L		J	Equipment rinsate blank contamination	0.0389 mg/L	High or false positive	
F13-32-0302	B2C0548-06	Lead	0.00691	mg/L		J	Equipment rinsate blank contamination	0.00238 mg/L	High or false positive	
		Zinc	0.076	mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive	
I13-12-0302	B2C0548-07	Chromium	0.00175	mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive	
		Copper	0.00378	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Nickel	0.0057	mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive	
I13-16-0302	B2C0548-08	Chromium	0.00304	mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive	
		Copper	0.00296	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Nickel	0.00878	mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive	
I13-20-0302	B2C0548-09	Chromium	0.00234	mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive	
		Copper	0.00142	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Nickel	0.00425	mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
I13-24-0302	B2C0548-10	Chromium	0.00644	mg/L		J	Equipment rinsate blank contamination	0.027 mg/L	High or false positive	
		Copper	0.00578	mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive	
		Lead	0.00119	mg/L		U	Equipment rinsate blank contamination	0.00238 mg/L	False positive	
		Nickel	0.0068	mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive	
		Zinc	0.0113	mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive	
I13-28-0302	B2C0548-11	Lead	0.00707	mg/L		J	Equipment rinsate blank contamination	0.00238 mg/L	High or false positive	
		Zinc	0.0588	mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive	
I13-32-0302	B2C0548-12	Zinc	0.187	mg/L		J	Equipment rinsate blank contamination	0.0389 mg/L	High or false positive	

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Sample ID	Laboratory		Analyte	Result Units	Lab		Quality Control Reason	Quality Control Result	Possible Bias	
	Sample ID	Sample ID			Flag	Qualifier			Bias	Bias
117-W-12-0302	B2D0040-01	Chromium	0.00434 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Copper	0.0112 mg/L		J	Equipment rinsate blank contamination	0.00539 mg/L	High or false positive		
		Lead	0.00139 mg/L		U	Equipment rinsate blank contamination	0.00238 mg/L	False positive		
		Nickel	0.0064 mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive		
		Zinc	0.0126 mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive		
117-W-16-0302	B2D0040-02	Chromium	0.00242 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Copper	0.00172 mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive		
		Nickel	0.0108 mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive		
117-W-20-0302	B2D0040-03	Chromium	0.00151 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Copper	0.00164 mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive		
		Nickel	0.0063 mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive		
117-W-24-0302	B2D0040-04	Nickel	0.00535 mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive		
117-W-28-0302	B2D0040-05	Lead	0.00404 mg/L		U	Equipment rinsate blank contamination	0.00238 mg/L	False positive		
		Zinc	0.0469 mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive		
117-W-32-0302	B2D0040-06	Chromium	0.00176 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Nickel	0.00416 mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive		
122-12-0302	B2C0594-06	Chromium	0.0022 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Copper	0.00667 mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive		
		Nickel	0.00681 mg/L		J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive		
122-16-0302	B2C0594-07	Nickel	0.00401 mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive		
122-20-0302	B2C0594-08	Nickel	0.00213 mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive		
122-24-0302	B2C0594-09	Chromium	0.00528 mg/L		U	Equipment rinsate blank contamination	0.027 mg/L	False positive		
		Copper	0.00316 mg/L		U	Equipment rinsate blank contamination	0.00539 mg/L	False positive		
		Nickel	0.00322 mg/L		U	Equipment rinsate blank contamination	0.00263 mg/L	False positive		
122-28-0302	B2C0594-10	Copper	0.0227 mg/L		J	Equipment rinsate blank contamination	0.00539 mg/L	High or false positive		
		Lead	0.0035 mg/L		U	Equipment rinsate blank contamination	0.00238 mg/L	False positive		
		Zinc	0.0494 mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive		
122-32-0302	B2C0594-11	Copper	0.0191 mg/L		J	Equipment rinsate blank contamination	0.00539 mg/L	High or false positive		
		Lead	0.00309 mg/L		U	Equipment rinsate blank contamination	0.00238 mg/L	False positive		
		Zinc	0.0379 mg/L		U	Equipment rinsate blank contamination	0.0389 mg/L	False positive		

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

File ID	Laboratory Sample ID	Analyte	Result Units	Lab Flag	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
					Flag	Validation			
K19-W-12-0302	B2D0040-08	Chromium Nickel	0.00134 mg/L 0.00354 mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.027 mg/L 0.00263 mg/L	False positive False positive	
K19-W-16-0302	B2D0040-09	Chromium Copper Lead Nickel Zinc	0.00671 mg/L 0.00661 mg/L 0.001 mg/L 0.00743 mg/L 0.017 mg/L	J U U J U	J U U J U	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.027 mg/L 0.00539 mg/L 0.00238 mg/L 0.00263 mg/L 0.0389 mg/L	High or false positive False positive False positive High or false positive False positive	
K19-W-20-0302	B2D0040-10	Nickel	0.00122 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
K19-W-24-0302	B2D0040-11	Chromium Copper Lead Nickel Zinc	0.00719 mg/L 0.00758 mg/L 0.00143 mg/L 0.00597 mg/L 0.0236 mg/L	J U U J U	J U U J U	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.027 mg/L 0.00539 mg/L 0.00238 mg/L 0.00263 mg/L 0.0389 mg/L	High or false positive False positive False positive High or false positive False positive	
K19-W-28-0302	B2D0040-12	Nickel	0.00358 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
K19-W-32-0302	B2D0040-13	Nickel	0.00531 mg/L	J	J	Equipment rinsate blank contamination	0.00263 mg/L	High or false positive	
K21-12-0302	B2C0594-12	Copper Nickel	0.0012 mg/L 0.00477 mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00539 mg/L 0.00263 mg/L	False positive False positive	
K21-16-0302	B2C0594-13	Nickel	0.00344 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
K21-20-0302	B2C0594-14	Chromium Copper Lead Nickel Zinc	0.0111 mg/L 0.0144 mg/L 0.0025 mg/L 0.0116 mg/L 0.0262 mg/L	J J U J U	J J U J U	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.027 mg/L 0.00539 mg/L 0.00238 mg/L 0.00263 mg/L 0.0389 mg/L	High or false positive High or false positive False positive High or false positive False positive	
K21-24-0302	B2C0594-15	Nickel	0.00124 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
K21-28-0302	B2C0594-16	Nickel	0.00306 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive	
K21-32-0302	B2C0594-17	Lead Zinc	0.00918 mg/L 0.142 mg/L	J J	J J	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00238 mg/L 0.0389 mg/L	High or false positive High or false positive	
K23-12-0302	B2C0548-13	Chromium Copper Iron Nickel	0.001 mg/L 0.00793 mg/L 0.724 mg/L 0.00543 mg/L	U U U J	U U U J	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.027 mg/L 0.00539 mg/L 0.369 mg/L 0.00263 mg/L	False positive False positive False positive High or false positive	

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Sample ID	Laboratory		Analyte	Result	Units	Lab Flag	Validation	Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID								
K23-16-0302	B2C0548-14	B2C0548-14	Nickel	0.00131	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
K23-20-0302	B2C0594-02	B2C0594-02	Nickel	0.0011	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
K23-24-0302	B2C0594-03	B2C0594-03	Nickel Zinc	0.00312 0.0104	mg/L mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00263 mg/L 0.0389 mg/L	False positive False positive
K23-28-0302	B2C0594-04	B2C0594-04	Nickel Zinc	0.00294 0.01	mg/L mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00263 mg/L 0.0389 mg/L	False positive False positive
K23-32-0302	B2C0594-05	B2C0594-05	Lead Zinc	0.00645 0.0578	mg/L mg/L	J U	J U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00238 mg/L 0.0389 mg/L	High or false positive False positive
T20-W-12-0302	B2D0070-08	B2D0070-08	Copper Iron Nickel	0.00203 1.38 0.00335	mg/L mg/L mg/L	U J U	U J U	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00539 mg/L 0.369 mg/L 0.00263 mg/L	False positive High or false positive False positive
T20-W-16-0302	B2D0070-09	B2D0070-09	Nickel	0.00137	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
T20-W-20-0302	B2D0070-10	B2D0070-10	Nickel	0.00128	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
T20-W-24-0302	B2D0070-11	B2D0070-11	Nickel	0.00155	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
T20-W-28-0302	B2D0070-12	B2D0070-12	Nickel	0.00196	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
T20-W-32-0302	B2D0070-13	B2D0070-13	Copper Nickel	0.00119 0.0015	mg/L mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00539 mg/L 0.00263 mg/L	False positive False positive
X16-W-12-0302	B2D0070-02	B2D0070-02	Copper Nickel	0.00578 0.00411	mg/L mg/L	U U	U U	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00539 mg/L 0.00263 mg/L	False positive False positive
X16-W-16-0302	B2D0070-03	B2D0070-03	Nickel	0.00211	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X16-W-20-0302	B2D0070-04	B2D0070-04	Copper Nickel Zinc	0.00114 0.00226 0.0108	mg/L mg/L mg/L	U U U	U U U	Equipment rinsate blank contamination Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00539 mg/L 0.00263 mg/L 0.0389 mg/L	False positive False positive False positive
X16-W-28-0302	B2D0070-06	B2D0070-06	Lead Zinc	0.00611 0.0884	mg/L mg/L	J J	J J	Equipment rinsate blank contamination Equipment rinsate blank contamination	0.00238 mg/L 0.0389 mg/L	High or false positive High or false positive
X16-W-32-0302	B2D0070-07	B2D0070-07	Nickel	0.00123	mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive

Summary of Qualified Data - Groundwater Recharge Surveillance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Site ID	Laboratory Sample ID	Analyte	Result Units	Lab validation		Quality Control Reason	Quality Control Result	Possible Bias
				Flag	Qualifier			
X20-W-12-0302	B2D0070-14	Chromium	0.00181 mg/L	U	U	Equipment rinsate blank contamination	0.027 mg/L	False positive
		Copper	0.00497 mg/L	U	U	Equipment rinsate blank contamination	0.00539 mg/L	False positive
		Nickel	0.00289 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X20-W-16-0302	B2D0070-15	Copper	0.00198 mg/L	U	U	Equipment rinsate blank contamination	0.00539 mg/L	False positive
		Iron	0.568 mg/L	U	U	Equipment rinsate blank contamination	0.369 mg/L	False positive
		Nickel	0.00183 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X20-W-20-0302	B2D0070-16	Nickel	0.00308 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X20-W-24-0302	B2D0070-17	Nickel	0.00201 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X20-W-28-0302	B2D0070-18	Nickel	0.00124 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
X20-W-32-0302	B2D0070-19	Nickel	0.00264 mg/L	U	U	Equipment rinsate blank contamination	0.00263 mg/L	False positive
Equipment Blank	B2D0040-07	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
Equipment Blank	B2D0040-14	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
Field Blank2	B2C0594-18	Hexavalent Chromium	0.00515 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-12-0302	B2D0040-01	Hexavalent Chromium	0.0151 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-16-0302	2D03041-DUP1	Hexavalent Chromium	0.00798 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-16-0302	B2D0040-02	Hexavalent Chromium	0.00815 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-20-0302	B2D0040-03	Hexavalent Chromium	0.00501 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-24-0302	B2D0040-04	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-28-0302	B2D0040-05	Hexavalent Chromium	0.00501 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I17-W-32-0302	B2D0040-06	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I22-12-0302	B2C0594-06	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I22-16-0302	B2C0594-07	Hexavalent Chromium	0.00602 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I22-20-0302	B2C0594-08	Hexavalent Chromium	0.00688 mg/L	J	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Units	Lab Flag	Validation	Quality Control Reason	Quality Control Result	Possible Bias
I22-24-03C2	B2C0594-09	Hexavalent Chromium	0.00515 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I22-28-0302	B2C0594-10	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
I22-32-0302	B2C0594-11	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-12-0302	B2D0040-08	Hexavalent Chromium	0.00693 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-16-0302	B2D0040-09	Hexavalent Chromium	0.00658 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-20-0302	B2D0040-10	Hexavalent Chromium	0.00711 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-24-0302	B2D0040-11	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-28-0302	B2D0040-12	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K19-W-32-0302	B2D0040-13	Hexavalent Chromium	0.0078 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-12-0302	B2C0594-12	Hexavalent Chromium	0.00602 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-16-0302	B2C0594-13	Hexavalent Chromium	0.0179 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-20-0302	B2C0594-14	Hexavalent Chromium	0.00809 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-24-0302	B2C0594-15	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-28-0302	B2C0594-16	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K21-32-0302	B2C0594-17	Hexavalent Chromium	0.00533 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K23-20-0302	2C29043-DUP1	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K23-20-0302	B2C0594-02	Hexavalent Chromium	0.00584 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K23-24-0302	B2C0594-03	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K23-28-0302	B2C0594-04	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
K23-32-0302	B2C0594-05	Hexavalent Chromium	0.00500 mg/L	U	R	MS recovery below lower laboratory-established control limit of 50 percent	0 percent recovery	Low
T20-W-12-0302	B2D0070-08	Hexavalent Chromium	0.00500 mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Sample ID	Laboratory		Analyte	Result	Units	Lab Flag	Validation	Quality Control Reason	Quality Control Result	Possible Bias
	Sample ID	Sample ID								
T20-W-16-0302	B2D0070-09		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
T20-W-20-0302	B2D0070-10		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
T20-W-24-0302	B2D0070-11		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
T20-W-28-0302	B2D0070-12		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
T20-W-32-0302	B2D0070-13		Hexavalent Chromium	0.00599	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-12-0302	2D04028-DUP1		Hexavalent Chromium	0.00754	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-12-0302	B2D0070-02		Hexavalent Chromium	0.00823	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-16-0302	B2D0070-03		Hexavalent Chromium	0.00599	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-20-0302	B2D0070-04		Hexavalent Chromium	0.00857	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-24-0302	B2D0070-05		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-28-0302	B2D0070-06		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X16-W-32-0302	B2D0070-07		Hexavalent Chromium	0.00547	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-12-0302	B2D0070-14		Hexavalent Chromium	0.00599	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-16-0302	B2D0070-15		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-20-0302	B2D0070-16		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-24-0302	B2D0070-17		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-28-0302	B2D0070-18		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
X20-W-32-0302	B2D0070-19		Hexavalent Chromium	0.00500	mg/L	U	J	MS recovery below lower laboratory-established control limit of 50 percent	38.4 percent recovery	Low
Q32E-W-20-0603	B3F0490-04		Trichloroethene <sup>b</sup>	0.03	µg/L	U	J	Surrogate recovery above upper control limit of 130 percent	1,2-dichloroethane-d4 recovery of 132 percent	High



Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	Quality Control Reason	Quality Control Result	Possible Bias
B1A0020	R15-15-0101	Report data from this analysis only (no qualification required)		NA		
	R15-15-0101 RE	Do not report data from this analysis		NA		
BOK0669	D5-23-1000	Report data from this analysis only (no qualification required)		NA		
	D5-23-1000 RE1	Do not report data from this analysis		NA		
	D5-33-1000	Report data from this analysis only (no qualification required)		NA		
	D5-33-1000 RE1	Do not report data from this analysis		NA		
	D5-43-1000 RE1	Do not report data from this analysis		NA		
	D5-53-1000	Do not report data from this analysis		NA		
	D5-53-1000 RE1	Report data from this analysis only (no qualification required)		NA		
	D5-13-1000	Cyanide	0.01000 mg/L	Matrix spike	66 percent recovery	Low
	D5-23-1000	Cyanide	0.01000 mg/L	Matrix spike	66 percent recovery	Low
	D5-33-1000	Cyanide	0.01000 mg/L	Matrix spike	66 percent recovery	Low
	D5-43-1000	Cyanide	0.01000 mg/L	Matrix spike	66 percent recovery	Low
	D5-53-1000	Cyanide	0.0649 mg/L	Matrix spike	66 percent recovery	Low
B1A0041	J23-15-0101	Vinyl chloride only (no qualification required)	147 µg/L	NA		

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
	J23-15-0101 RE1	Report all results, except vinyl chloride (see above) (no qualification required)	NA			
	J23-45-0101	Vinyl chloride only (no qualification required)	162 µg/L	NA		
	J23-45-0101 RE1	Report all results, except vinyl chloride (see above) (no qualification required)	NA			
	J23-9-45-0101	Vinyl chloride only (no qualification required)	162 µg/L	NA		
	J23-9-45-0101 R	Report all results, except vinyl chloride (see above) (no qualification required)	NA			
<b>Data from full data validation</b>						
BOJ0056	F7-15-1000	Report data from this analysis only Qualified results include:				
		Bromoform	1.00 µg/L	CCV exceedance	41.9 percent drift	Low or high
		1,1,2,2-Tetrachloroethane	1.00 µg/L	CCV exceedance	29.1 percent drift	Low or high
	F7-15-1000 RE1	Do not report data from this analysis		NA		
	A3-15-1000	Do not report data from this analysis		NA		
	A3-15-1000 RE1	Report data from this analysis only Qualified results include:				
		Chloromethane	5.00 µg/L	CCV exceedance	27.1 percent drift	Low or high
	D8-15-1000	Chloromethane	5.00 µg/L	CCV exceedance	28.7 percent drift	Low or high

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualific / Assigned	QC Reason	QC Result	Possible Bias
D8-60-1000	Chloromethane	5.00 µg/L	UU	CCV exceedance	28.7 percent drift	Low or high
F9-15-1000	Chloromethane	5.00 µg/L	UU	CCV exceedance	27.1 percent drift	Low or high
F9-30-1000	Chloromethane	5.00 µg/L	UU	CCV exceedance	27.1 percent drift	Low or high
D1-34-1000	Bromoform	1.00 µg/L	UU	CCV exceedance	53.3 percent drift	Low or high
	Bromomethane	1.00 µg/L	UU	CCV exceedance	40.5 percent drift	Low or high
	2-Chloroethylvinyl ether	5.00 µg/L	UU	CCV exceedance	71.5 percent drift	Low or high
	<i>trans</i> -1,3-Dichloropropene	1.00 µg/L	UU	CCV exceedance	28.5 percent drift	Low or high
	Toluene	1.00 µg/L	UU	CCV exceedance	32.3 percent drift	Low or high
	Cyanide	0.0100 mg/L	UU	Matrix spike	60 percent	Low
D6-72-1000	Bromomethane	1.00 µg/L	UU	CCV exceedance	33.5 percent drift	Low or high
	Trichlorofluoromethane	1.00 µg/L	UU	CCV exceedance	64.0 percent drift	Low or high
SA-D8-66-1000	Trichlorofluoromethane	1.00 µg/L	UU	CCV exceedance	63.0 percent drift	Low or high
	Vinyl acetate	5.00 µg/L	UU	CCV exceedance	25.8 percent drift	Low or high
D3-23-1000	Acetone	1,000 µg/L	UU	CCV exceedance	39.5 percent drift	Low or high
	Bromomethane	100 µg/L	UU	CCV exceedance	28.2 percent drift	Low or high
	2-Hexanone	1,000 µg/L	UU	CCV exceedance	30.7 percent drift	Low or high
D22-23-1000	Bromoform	1.00 µg/L	UU	CCV exceedance	39.9 percent drift	Low or high
	Dibromochloromethane	1.00 µg/L	UU	CCV exceedance	31.3 percent drift	Low or high
	4-Methyl-2-pentanone	549 µg/L	J	Above calibration range	NA	Low or high
D17-53-1000	Bromoform	1.00 µg/L	UU	CCV exceedance	35.9 percent drift	Low or high
	1,1,2-Trichloro-1,2,2-trifluoroetha	2.00 µg/L	UU	CCV exceedance	27.4 percent drift	Low or high
D16-33-1000	Bromoform	1.00 µg/L	UU	CCV exceedance	48.5 percent drift	Low or high
	Chloroethane	44.5 µg/L	J	CCV exceedance	30.9 percent drift	Low or high
	Dibromochloromethane	1.00 µg/L	UU	CCV exceedance	37.2 percent drift	Low or high

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
D14-43-1000	Bromoform Dibromochloromethane <i>trans</i> -1,3-Dichloropropene 2-Hexanone		1.00 µg/L	CCV exceedance	57.5 percent drift	Low or high
			1.00 µg/L	CCV exceedance	41.4 percent drift	Low or high
			1.00 µg/L	CCV exceedance	37.8 percent drift	Low or high
			10.0 µg/L	CCV exceedance	47.8 percent drift	Low or high
D12-33-1000	Bromoform	1.00 µg/L	CCV exceedance	34.7 percent drift	Low or high	
D10-53-1000	Vinyl acetate	5.00 µg/L	CCV exceedance	27.7 percent drift	Low or high	
D24-13-1000	Bromoform 2-Chloroethylvinyl ether <i>trans</i> -1,3-Dichloropropene	1.00 µg/L	CCV exceedance	43.6 percent drift	Low or high	
		5.00 µg/L	CCV exceedance	32.0 percent drift	Low or high	
		173 µg/L	Above calibration range	NA	Low or high	
D20-73-1000	Bromoform 1,1-Dichloroethane 1,1,2-Trichloro-1,2,2-trifluoroetha Toluene	1.00 µg/L	CCV exceedance	43.6 percent drift	Low or high	
		258 µg/L	Above calibration range	NA	Low or high	
		2.00 µg/L	CCV exceedance	27.1 percent	Low or high	
		187 µg/L	Above calibration range	NA	Low or high	
D28-53-1000	Bromoform Dibromochloromethane 4-Methyl-2-pentanone	1.00 µg/L	CCV exceedance	32.3 percent drift	Low or high	
		1.00 µg/L	CCV exceedance	25.1 percent drift	Low or high	
		10.0 µg/L	Above calibration range	26.4 percent drift	Low or high	
D19-13-1000	1,1,1-Trichloroethane	40.0 µg/L	CCV exceedance	27.0 percent drift	Low or high	
D19-23-1000	1,1,1-Trichloroethane	10.0 µg/L	CCV exceedance	27.0 percent drift	Low or high	
D19-33-1000	1,1,1-Trichloroethane	1.00 µg/L	CCV exceedance	27.0 percent drift	Low or high	
D19-43-1000	2-Chloroethylvinyl ether (reanalysis results were only reported by laboratory)	5.00 µg/L	CCV exceedance	25.4 percent drift	Low or high	
D19-53-1000	2-Chloroethylvinyl ether (reanalysis results were only reported by laboratory)	5.00 µg/L	CCV exceedance	25.4 percent drift	Low or high	

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias		
D19-63-1000		Bromoform	1.00 µg/L	CCV exceedance	85.4 percent drift	Low or high		
		Dibromochloromethane	1.00 µg/L	CCV exceedance	25.8 percent drift	Low or high		
		2-Chloroethylvinyl ether	5.00 µg/L	CCV exceedance	52.6 percent drift	Low or high		
		1,1-dichloroethane	1.35 µg/L	1,2-dichloroethane-d4 SMC	166 percent	High		
		1,2-dichloroethane	1.12 µg/L	1,2-dichloroethane-d4 SMC	166 percent	High		
		trans-1,3-Dichloropropene	1.00 µg/L	CCV exceedance	34.5 percent drift	Low or high		
		Vinyl chloride	5.99 µg/L	1,2-dichloroethane-d4 SMC	166 percent	High		
		Vinyl acetate	1.00 µg/L	CCV exceedance	76.4 percent drift	Low or high		
		D19-73-1000		Acetone	18.3 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High
				Benzene	15.0 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High
Chlorobenzene	1.66 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
1,1-Dichloroethane	157 µg/L			Above calibration range and	NA	Low or high		
1,1-Dichloroethene	12.4 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
cis-1,2-dichloroethene	2,090 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
trans-1,2-dichloroethene	1,660 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
Ethylbenzene	1.87 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
2-Hexanone	13.8 µg/L			1,2-dichloroethane-d4 SMC	146 percent	High		
Toluene	147 µg/L			Above calibration range and	NA	Low or high		
Trip blank (collected 11/27/00 at 1200)		1,1,1-Trichloroethane	1.00 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High		
		Trichloroethene	25.300 µg/L	CCV exceedance	27.0 percent drift	Low or high		
		Vinyl chloride	47.2 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High		
		m,p-Xylene	5.11 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High		
		o-Xylene	1.05 µg/L	1,2-dichloroethane-d4 SMC	146 percent	High		
		1,1,1-Trichloroethane	1.00 µg/L	CCV exceedance	27.0 percent drift	Low or high		

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias	
						Bias	Bias
D19-82-1000	Acetone Benzene 1,1-Dichloroethane <i>cis</i> -1,2-dichloroethene 2-Hexanone Toluene 1,1,1-Trichloroethane Trichloroethene Vinyl chloride	13.8 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		1.35 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		16.5 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		243 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		35.3 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		4.45 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		1.00 µg/L	UU	CCV exceedance	27.0 percent drift	Low or high	Low or high
		463 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		8.13 µg/L	J	1,2-dichloroethane-d4 SMC	146 percent	High	High
		D5-13-1000	Dibromochloromethane 1,2-dichloroethane Methylene chloride 1,1,1-Trichloroethane	1.00 µg/L	UU	CCV exceedance	33.0 percent drift
1.00 µg/L	UU			CCV exceedance	29.4 percent drift	Low or high	Low or high
9.23 µg/L	J			CCV exceedance	36.1 percent drift	Low or high	Low or high
1.00 µg/L	UU			CCV exceedance	38.8 percent drift	Low or high	Low or high
1.00 µg/L	UU			CCV exceedance	33.0 percent drift	Low or high	Low or high
1.00 µg/L	UU			CCV exceedance	29.4 percent drift	Low or high	Low or high
D5-23-1000	Methylene chloride 1,1,1-Trichloroethane	5.00 µg/L	UU	CCV exceedance	36.1 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	38.8 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	33.0 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	29.4 percent drift	Low or high	Low or high
		5.00 µg/L	UU	CCV exceedance	36.1 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	38.8 percent drift	Low or high	Low or high
D5-33-1000	Dibromochloromethane 1,2-dichloroethane Methylene chloride 1,1,1-Trichloroethane	1.00 µg/L	UU	CCV exceedance	33.0 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	29.4 percent drift	Low or high	Low or high
		5.00 µg/L	UU	CCV exceedance	36.1 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	38.8 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	33.0 percent drift	Low or high	Low or high
		1.00 µg/L	UU	CCV exceedance	29.4 percent drift	Low or high	Low or high
D5-43-1000	Benzene Chloroethane 1,1-dichloroethane <i>cis</i> -1,2-dichloroethene Ethylbenzene Toluene 1,1,1-Trichloroethane Trichloroethene <i>m,p</i> -Xylene <i>o</i> -Xylene	19.9 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		112 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		1.17 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		1.49 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		70.5 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		9.01 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		1.00 µg/L	UU	CCV exceedance	27.0 percent drift	Low or high	Low or high
		9.43 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		210 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High
		7.34 µg/L	J	1,2-dichloroethane-d4 SMC	135 percent	High	High

Summary of Qualified Data - Groundwater: Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

JDG	Affected Sample	Analyte	Qualifier Assigned	Qualifier Assigned	QC Reason	QC Result	Bias	Possible
	D5-53-1000	Benzene	3.73 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
		Chloroethane	9.95 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
		1,1-dichloroethane	9.35 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
		cis-1,2-dichloroethene	4.73 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
		1,1,1-Trichloroethane	1.00 µg/L	UU	CCV exceedance	27.0 percent drift	Low or high	Low or high
		Trichloroethene	5.43 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
		Vinyl chloride	56.3 µg/L	J	1,2-dichloroethane-d4 SMC	137 percent	High	High
	Trip blank (collected 11/28/00 at 1200)	1,1,1-Trichloroethane	1.00 µg/L	UU	CCV exceedance	27.0 percent drift	Low or high	Low or high
	D26-33-1000	Do not report data from this analysis (internal standards out)						
	D26-33-1000 RE	Report data from this analysis only						
		Qualified data include:						
		Acetone	40.0 µg/L	UU	CCV exceedance	36.1 percent drift	Low or high	Low or high
		Bromoform	4.00 µg/L	UU	CCV exceedance	34.8 percent drift	Low or high	Low or high
		2-Butanone	40.0 µg/L	UU	CCV exceedance	28.6 percent drift	Low or high	Low or high
		2-Chloroethylvinyl ether	20.0 µg/L	UU	CCV exceedance	39.8 percent drift	Low or high	Low or high
		Vinyl acetate	20.0 µg/L	UU	CCV exceedance	42.7 percent drift	Low or high	Low or high
	D26-43-1000	Do not report data from this analysis (internal standards out)						
	D26-43-1000 RE	Report data from this analysis only						
		Qualified data include:						
		Acetone	10.0 µg/L	UU	CCV exceedance	36.1 percent drift	Low or high	Low or high
		Bromoform	1.00 µg/L	UU	CCV exceedance	34.8 percent drift	Low or high	Low or high
		2-Butanone	10.0 µg/L	UU	CCV exceedance	28.6 percent drift	Low or high	Low or high
		2-Chloroethylvinyl ether	5.0 µg/L	UU	CCV exceedance	39.8 percent drift	Low or high	Low or high
		Vinyl acetate	5.0 µg/L	UU	CCV exceedance	42.7 percent drift	Low or high	Low or high

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
	D32-13-1000	Acetone	10.0 µg/L	CCV exceedance	36.1 percent drift	Low or high
		Bromoform	1.00 µg/L	CCV exceedance	34.8 percent drift	Low or high
		2-Butanone	10.0 µg/L	CCV exceedance	28.6 percent drift	Low or high
		2-Chloroethylvinyl ether	5.0 µg/L	CCV exceedance	39.8 percent drift	Low or high
		Vinyl acetate	5.0 µg/L	CCV exceedance	42.7 percent drift	Low or high
BOJ0339	D36-63-1000	Bromomethane	1.0 µg/L	CCV exceedance	32.0 percent drift	Low or high
		Chloroethane	1.0 µg/L	CCV exceedance	28.5 percent drift	Low or high
		Chloromethane	5.0 µg/L	CCV exceedance	89.9 percent drift	Low or high
		Ferrous iron	0.500 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Methane	5.980 mg/L	Laboratory duplicate	59 percent recovery	Low
	SA-D8-56-1000	Ethene	728 mg/L	Laboratory duplicate	RPD = 83 percent	Low or high
		Ferrous iron	0.500 mg/L	Holding time > 24 hrs. and matrix spike	RPD = 76 percent	Low or high
		Methane	7.710 mg/L	Laboratory duplicate	NA	Unknown
		Ethene	2.00 mg/L	Laboratory duplicate	59 percent recovery	Low
		Total organic carbon	2.00 mg/L	Laboratory duplicate	RPD = 83 percent	Low or high
BOJ0210	D1-14-1000	Ferrous iron	7.38 mg/L	Holding time > 24 hrs.	NA	Unknown
		Total organic carbon	28.5 mg/L	Matrix spike	160 percent recovery	High
		Ferrous iron	8.86 mg/L	Holding time > 24 hrs.	NA	Unknown
		Total organic carbon	34.4 mg/L	Matrix spike	160 percent recovery	High
		Ferrous iron	6.79 mg/L	Holding time > 24 hrs.	NA	Unknown
	D1-34-1000	Total organic carbon	28.8 mg/L	Matrix spike	160 percent recovery	High
		Ferrous iron	2.42 mg/L	Holding time > 24 hrs.	NA	Unknown
		Total organic carbon	41.6 mg/L	Matrix spike	160 percent recovery	High
		Ferrous iron	1.04 mg/L	Holding time > 24 hrs.	NA	Unknown
		Total organic carbon	78.6 mg/L	Matrix spike	160 percent recovery	High
BOJ0240	D1-64-1000	Ferrous iron	1.05 mg/L	Holding time > 24 hrs.	NA	Unknown
		Total organic carbon	64.4 mg/L	Matrix spike	160 percent recovery	High
		Ferrous iron	0.500 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Total organic carbon	3.770 mg/L	Laboratory duplicate	55 percent recovery	Low
		Methane	3.770 mg/L	Laboratory duplicate	RPD = 60 percent	Low or high



Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Site	Affected Sample	Analyte	Qualifier Assigned	J	QC Reason	QC Result	Possible Bias
BOJ0309	SA-D8-14-1000	Ferrous iron	44.9 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Sulfate	0.200 mg/L	R	Matrix spike	9.7 percent recovery	Low
		Methane	28.7 mg/L	J	Laboratory duplicate	RPD = 83 percent	Low or high
	SA-D8-24-1000	Ethene	50.1 mg/L	J	Laboratory duplicate	RPD = 76 percent	Low or high
		Ferrous iron	18.8 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Sulfate	0.996 mg/L	R	Matrix spike	9.7 percent recovery	Low
	SA-D8-34-1000	Methane	273 mg/L	J	Laboratory duplicate	RPD = 83 percent	Low or high
		Ethene	114 mg/L	J	Laboratory duplicate	RPD = 76 percent	Low or high
		Ferrous iron	5.27 mg/L	J	Holding time > 24 hrs.	NA	Unknown
	SA-D8-44-1000	Sulfate	4.44 mg/L	R	Matrix spike	9.7 percent recovery	Low
		Methane	613 mg/L	J	Laboratory duplicate	RPD = 83 percent	Low or high
		Ethene	55.2 mg/L	J	Laboratory duplicate	RPD = 76 percent	Low or high
Ferrous iron		1.55 mg/L	J	Holding time > 24 hrs.	NA	Unknown	
Sulfate		0.200 mg/L	R	Matrix spike	9.7 percent recovery	Low	
Methane		2,370 mg/L	J	Laboratory duplicate	RPD = 83 percent	Low or high	
SA-D8-52-1000	Ethene	268 mg/L	J	Laboratory duplicate	RPD = 76 percent	Low or high	
	Ferrous iron	2.10 mg/L	J	Holding time > 24 hrs.	NA	Unknown	
	Sulfate	0.200 mg/L	R	Matrix spike	9.7 percent recovery	Low	
	Methane	5,370 mg/L	J	Laboratory duplicate	RPD = 83 percent	Low or high	
	Ethene	789 mg/L	J	Laboratory duplicate	RPD = 76 percent	Low or high	
	Ferrous iron	6.08 mg/L	J	Holding time > 24 hrs.	NA	Unknown	
D2-14-1000	Sulfate	26.9 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high	
	Methane	188 mg/L	J	Laboratory duplicate	RPD = 45 percent	Low or high	
	Ferrous iron	23.8 mg/L	J	Holding time > 24 hrs.	NA	Unknown	
D2-24-1000	Sulfate	0.200 mg/L	UJ	Laboratory duplicate	RPD = 64 percent	Low or high	
	Methane	189 mg/L	J	Laboratory duplicate	RPD = 45 percent	Low or high	
	Ferrous iron	23.8 mg/L	J	Holding time > 24 hrs.	NA	Unknown	

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

Site	Affected Sample	Analyte	Qualifier Assigned	J	QC Reason	QC Result	Possible Bias
BOJ0534	D2-34-1000	Ferrous iron	22.3 mg/L	J	Holding time > 24 hrs	NA	Unknown
		Sulfate	0.200 mg/L	UJ	Laboratory duplicate	RPD = 64 percent	Low or high
		Methane	1,290 mg/L	J	Laboratory duplicate	RPD = 45 percent	Low or high
BOJ0589	D2-42-1000	Ferrous iron	3.38 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Sulfate	0.489 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high
		Methane	493 mg/L	J	Laboratory duplicate	RPD = 45 percent	Low or high
BOJ0655	D2-52-1000	Ferrous iron	1.01 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Sulfate	0.200 mg/L	UJ	Laboratory duplicate	RPD = 64 percent	Low or high
		Methane	1,600 mg/L	J	Laboratory duplicate	RPD = 45 percent	Low or high
BOJ0655	D3-83-1000	Ferrous iron	0.500 mg/L	UJ	Holding time > 24 hrs.	NA	Unknown
		Ferrous iron	59.8 mg/L	J	Matrix spike	31 percent	Low
		Sulfate	0.370 mg/L	J	Holding time > 24 hrs.	NA	Unknown
BOJ0655	D4-13-1000	Ferrous iron	62.8 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high
		Sulfate	0.462 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high
		Ferrous iron	79.4 mg/L	J	Holding time > 24 hrs.	NA	Unknown
BOJ0655	D4-23-1000	Ferrous iron	0.946 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high
		Sulfate	22.8 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Ferrous iron	0.200 mg/L	UJ	Laboratory duplicate	RPD = 64 percent	Low or high
BOJ0655	D4-33-1000	Ferrous iron	74.9 mg/L	J	Holding time > 24 hrs.	NA	Unknown
		Sulfate	0.200 mg/L	UJ	Laboratory duplicate	RPD = 64 percent	Low or high
		Ferrous iron	33.600 mg/L	J	Holding time > 24 hrs.	NA	Unknown
BOJ0655	D4-43-1000	Ferrous iron	0.544 mg/L	J	Laboratory duplicate	RPD = 64 percent	Low or high
		Sulfate	10.2 mg/L	J	Matrix spike	77 percent recovery	Low
		Chloride		J	Matrix spike	77 percent recovery	Low

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
BOJ0682	D16-13-1000	Ferrous iron Ethane	78.0 mg/L	J	Holding time > 24 hrs.	Unknown
			216 mg/L	J	Laboratory duplicate	Low or high
	D16-23-1000	Ferrous iron Ethane	24.7 mg/L	J	Holding time > 24 hrs.	Unknown
			14.9 mg/L	J	Laboratory duplicate	Low or high
	D16-33-1000	Ferrous iron Ethane	6.64 mg/L	J	Holding time > 24 hrs.	Unknown
			48.0 mg/L	J	Laboratory duplicate	Low or high
BOJ0709	D16-43-1000	Ferrous iron Carbon dioxide Ethane	7.92 mg/L	J	Holding time > 24 hrs.	Unknown
			18.8 mg/L	J	Holding time > 24 hrs.	Unknown
	D16-53-1000	Ferrous iron Carbon dioxide Ethane	11.2 mg/L	J	Laboratory duplicate	Low or high
			0.500 mg/L	UU	Holding time > 24 hrs.	Unknown
	D16-63-1000	Ferrous iron Carbon dioxide Ethane	13.6 mg/L	J	Holding time > 24 hrs.	Unknown
			10.0 mg/L	UU	Laboratory duplicate	Low or high
	D16-63-1000	Ferrous iron Carbon dioxide Ethane	0.500 mg/L	UU	Holding time > 24 hrs.	Unknown
			7.92 mg/L	J	Holding time > 24 hrs.	Unknown
	D9-13-1000	Chloride	10.0 mg/L	UU	Laboratory duplicate	Low or high
			26.4 mg/L	U	Field blank	False positive
BOJ0778	D9-13-1000	Chloride	8.42 mg/L	U	Equipment rinsate blank	False positive
			0.318 mg/L	U	Equipment rinsate blank	False positive
	D9-23-1000	Chloride	8.42 mg/L	U	Field blank	False positive
			0.318 mg/L	U	Equipment rinsate blank	False positive
	D9-33-1000	Chloride	8.42 mg/L	U	Field blank	False positive
			0.318 mg/L	U	Equipment rinsate blank	False positive
	D9-9-33-1000	Chloride	8.42 mg/L	U	Field blank	False positive
			0.318 mg/L	U	Equipment rinsate blank	False positive

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
	D9-43-1000	Chloride	0.273 mg/L U	Field blank Equipment rinsate blank	8.42 mg/L 0.318 mg/L	False positive False positive
	D9-53-1000	Chloride	8.35 mg/L U	Field blank Equipment rinsate blank	8.42 mg/L 0.318 mg/L	False positive False positive
BOK0034	D14-43-1000	Chloride	4.57 mg/L U	Field blank Equipment rinsate blank	0.334 mg/L 2.43 mg/L	False positive False positive
	D14-9-43	Chloride	4.60 mg/L U	Field blank Equipment rinsate blank	0.334 mg/L 2.43 mg/L	False positive False positive
	D14-53-1000	Chloride	5.84 mg/L U	Field blank Equipment rinsate blank	0.334 mg/L 2.43 mg/L	False positive False positive
	D14-63-1000	Chloride	10.2 mg/L U	Field blank Equipment rinsate blank	0.334 mg/L 2.43 mg/L	False positive False positive
BOK0113	D10-13-1000	Ferrous iron	0.500 mg/L UJ	Equipment rinsate blank	NA	Unknown
		Carbon dioxide	39.6 mg/L J	Holding time > 24 hrs.	NA	Unknown
		Nitrate-Nitrogen	0.100 mg/L UJ	Holding time > 48 hrs.	NA	Unknown
		Chloride	9.06 mg/L UJ	Equipment rinsate blank	2.38 mg/L	False positive
D10-23-1000	Ferrous iron	7.97 mg/L UJ	Holding time > 24 hrs.	NA	Unknown	
	Carbon dioxide	61.1 mg/L J	Holding time > 24 hrs.	NA	Unknown	
	Nitrate-Nitrogen	0.100 mg/L UJ	Holding time > 48 hrs.	NA	Unknown	
D10-33-1000	Ferrous iron	0.500 mg/L UJ	Holding time > 24 hrs.	NA	Unknown	
	Carbon dioxide	8.40 mg/L J	Holding time > 24 hrs.	NA	Unknown	
	Nitrate-Nitrogen	0.100 mg/L UJ	Holding time > 48 hrs.	NA	Unknown	
	Chloride	4.87 mg/L UJ	Equipment rinsate blank	2.38 mg/L	False positive	

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Affected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
	D10-43-1000	Ferrous iron	0.500 mg/L	Holding time > 24 hrs.	NA	Unknown
		Carbon dioxide	10.6 mg/L	Holding time > 24 hrs.	NA	Unknown
		Nitrate-Nitrogen	0.100 mg/L	Holding time > 48 hrs.	NA	Unknown
		Chloride	4.79 mg/L	Equipment rinsate blank	2.38 mg/L	False positive
	D12-43-1000	Chloride	6.39 mg/L	Equipment rinsate blank	2.38 mg/L	False positive
BOK0700	D5-73-1000	Ferrous iron	0.500 mg/L	Holding time > 24 hrs	NA	Unknown
BOL0021	D32-13-1000	Chloride	2.09 mg/L	Equipment rinsate blank	0.927 mg/L	False positive
	D32-63-1000	Chloride	4.14 mg/L	Equipment rinsate blank	0.927 mg/L	False positive
BOK0635	D19-13-1000	Ferrous iron	50.4 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Chloride	19.4 mg/L	Matrix spike	124 percent	High
					72 percent	Low
	D19-23-1000	Ferrous iron	21.6 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Chloride	15.7 mg/L	Matrix spike	124 percent	High
					72 percent	Low
	D19-33-1000	Ferrous iron	19.6 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Chloride	18.3 mg/L	Matrix spike	124 percent	High
					72 percent	Low
	D19-43-1000	Ferrous iron	3.55 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Chloride	7.91 mg/L	Matrix spike	124 percent	High
					72 percent	Low
	D19-53-1000	Ferrous iron	0.500 mg/L	Holding time > 24 hrs. and matrix spike	NA	Unknown
		Chloride	6.43 mg/L	Matrix spike	124 percent	High
					72 percent	Low

Summary of Qualified Data - Groundwater Reconnaissance Data, Offsite Supplemental Groundwater Characterization (2000-2003) (cont.)

SDG	Injected Sample	Analyte	Qualifier Assigned	QC Reason	QC Result	Possible Bias
	D19-63-1000	Ferrous iron	0.500 mg/L	UJ	NA	Unknown
		Chloride	7.93 mg/L	J	124 percent 72 percent	High Low
BOJ0506	D3-23-1000	Ferrous iron	12.8 mg/L	F774J	NA	Unknown
				Holding time > 24 hrs. and matrix spike	62 percent	Low

**Note:** NA - not applicable

J - estimated

SDG - sample delivery group

R - rejected

RPD - relative percent difference

QC - quality control

U - undetected at reporting limit shown

MRL - method reporting limit

MS - matrix spike

CCV - continuing calibration verification

RE1 - reanalysis; suffix added by laboratory to laboratory sample number

SMC - system monitoring compound

<sup>a</sup> Summary of qualified data is for natural samples only and does not include laboratory duplicate sample results.

<sup>b</sup> Analysis completed by GC/MS-SIM

Summary of Qualified Data - GIVF 2002 Sampling Event

Laboratory		Lab Validation		Quality Control Reason		Quality Control Result		Possible Bias	
Sample ID	Sample ID	Analyte	Result Unit	Flag	Qualifier	Quality Control Reason	Quality Control Result	Quality Control Result	Possible Bias
<b>Volatile organic compounds (8260 by GC/MS-SIM)</b>									
4160-GW1-0802	B2H0495-02	1,1,2,2-Tetrachloroethane	0.100 µg/L	U	J	CCV percent difference >25 percent	35.4 percent	35.4 percent	Low or high
404L-GW1-0802	B2H0495-03	1,1,2,2-Tetrachloroethane	0.100 µg/L	U	J	CCV percent difference >25 percent	35.4 percent	35.4 percent	Low or high
CG-113-S1-0802	B2H0528-02	1,1,2,2-Tetrachloroethane	0.100 µg/L	U	J	Toluene-d8 system monitoring compound recovery below lower control limit of 66 percent	65.5 percent	65.5 percent	Low
		1,1-Dichloroethene	0.0500 µg/L	U	J				Low
		1,2-Dichloroethane	1.92 µg/L		J				Low
		1,4-Dichlorobenzene	0.237 µg/L		J				Low
		Carbon tetrachloride	0.0500 µg/L	U	J				Low
		Tetrachloroethene	1.76 µg/L		J				Low
		Trichloroethene	0.943 µg/L		J				Low
		Vinyl chloride	2.89 µg/L		J				Low
<b>Volatile organic compounds (8260B by GC/MS)</b>									
4160-GW1-0802	B2H0495-02	2-Butanone	10.0 µg/L	U	J	CCV percent difference >25 percent	29.7 percent	29.7 percent	Low or high
		4-Methyl-2-pentanone	10.0 µg/L	U	J	CCV percent difference >25 percent	27.0 percent	27.0 percent	Low or high
		Bromomethane	2.00 µg/L	U	J	CCV percent difference >25 percent	47.2 percent	47.2 percent	Low or high
		Methylene chloride	5.00 µg/L	U	J	CCV percent difference >25 percent	53.7 percent	53.7 percent	Low or high
404L-GW1-0802	B2H0495-03	2-Butanone	10.0 µg/L	U	J	CCV percent difference >25 percent	29.7 percent	29.7 percent	Low or high
		4-Methyl-2-pentanone	10.0 µg/L	U	J	CCV percent difference >25 percent	27.0 percent	27.0 percent	Low or high
		Bromomethane	2.00 µg/L	U	J	CCV percent difference >25 percent	47.2 percent	47.2 percent	Low or high
		Methylene chloride	5.00 µg/L	U	J	CCV percent difference >25 percent	53.7 percent	53.7 percent	Low or high
CG-113-S1-0802	B2H0528-02	<i>m,p</i> -Xylene	137 µg/L		J	Concentration above calibration range	NA	NA	High
		<i>o</i> -Xylene	74 µg/L		J	Concentration above calibration range	NA	NA	High
		Toluene	119 µg/L		J	Concentration above calibration range	NA	NA	High

Note: CCV - continuing calibration verification  
GC/MS - gas chromatography/mass spectrometry  
GIVF - Groundwater to Indoor Air Volatilization Factors  
J - estimated  
NA - not applicable  
SIM - selected ion monitoring  
U - undetected at reporting limit shown

Summary of Qualified Data - Hydraulic Control Interim Measure 2002

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
					Flag	Qualifier			
HC-10-W-29-0602	B2F0360-01	Arsenic	0.00714	mg/L	U		Field blank contamination	0.0248 mg/L	False positive
HC-10-W-41-0602	B2F0360-02	Arsenic	0.0104	mg/L	U		Field blank contamination	0.0248 mg/L	False positive
HC-9-11-W-21-0602	B2F0360-08	Arsenic	0.00314	mg/L	U		Field blank contamination	0.0248 mg/L	False positive
HC-11-W-49-0602	B2F0391-02	Carbon disulfide	1.02	µg/L	U		Equipment rinsate blank contamination	6.81, 1.95, 2.68, 5.66, and 9.32 µg/L	False positive
HC-13-W-49-0602	B2F0333-05	1,1,1-Trichloroethane	2.36	µg/L	J		Laboratory noted bubbles in sample containers	NA	High or low
		1,1,2,2-Tetrachloroethane	1.00	µg/L	U			NA	High or low
		1,1,2-Trichloro-1,2,2-trifluoroethane	2.00	µg/L	U			NA	High or low
		1,1,2-Trichloroethane	1.00	µg/L	U			NA	High or low
		1,1-Dichloroethane	1.00	µg/L	U			NA	High or low
		1,1-Dichloroethene	1.00	µg/L	U			NA	High or low
		1,2,4-Trimethylbenzene	1.00	µg/L	U			NA	High or low
		1,2-Dichlorobenzene	1.00	µg/L	U			NA	High or low
		1,2-Dichloroethane	1.00	µg/L	U			NA	High or low
		1,2-Dichloropropane	1.00	µg/L	U			NA	High or low
		1,3,5-Trimethylbenzene	1.00	µg/L	U			NA	High or low
		1,3-Dichlorobenzene	1.00	µg/L	U			NA	High or low
		1,4-Dichlorobenzene	1.00	µg/L	U			NA	High or low
		2-Butanone	10.0	µg/L	U			NA	High or low
		2-Chloroethylvinyl ether	5.00	µg/L	U			NA	High or low
		2-Hexanone	10.0	µg/L	U			NA	High or low
		4-Methyl-2-pentanone	10.0	µg/L	U			NA	High or low
		Acetone	25.0	µg/L	U			NA	High or low
		Benzene	0.500	µg/L	U			NA	High or low
		Bromodichloromethane	1.00	µg/L	U			NA	High or low
		Bromoform	1.00	µg/L	U			NA	High or low
		Bromomethane	2.00	µg/L	U			NA	High or low
		Carbon disulfide	2.04	µg/L	U			NA	High or low
		Carbon tetrachloride	1.00	µg/L	U			NA	High or low
		Chlorobenzene	1.00	µg/L	U			NA	High or low
		Chloroethane	1.00	µg/L	U			NA	High or low
		Chloroform	1.00	µg/L	U			NA	High or low
		Chloromethane	5.00	µg/L	U			NA	High or low
		cis-1,2-Dichloroethene	1.00	µg/L	U			NA	High or low
		cis-1,3-Dichloropropene	1.00	µg/L	U			NA	High or low
		Dibromochloromethane	1.00	µg/L	U			NA	High or low
		Ethylbenzene	1.00	µg/L	U			NA	High or low



Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
				Flag	Qualifier			
		m,p-Xylene	2.00 µg/L	U	J	NA		High or low
		Methylene chloride	5.00 µg/L	U	J	NA		High or low
		Naphthalene	1.00 µg/L	U	J	NA		High or low
		o-Xylene	1.00 µg/L	U	J	NA		High or low
		Styrene	1.00 µg/L	U	J	NA		High or low
		Tetrachloroethene	1.00 µg/L	U	J	NA		High or low
		Toluene	1.42 µg/L	U	J	NA		High or low
		trans-1,2-Dichloroethene	1.00 µg/L	U	J	NA		High or low
		trans-1,3-Dichloropropene	1.00 µg/L	U	J	NA		High or low
		Trichloroethene	1.00 µg/L	U	J	NA		High or low
		Trichlorofluoromethane	1.00 µg/L	U	J	NA		High or low
		Vinyl acetate	5.00 µg/L	U	J	NA		High or low
		Vinyl chloride	1.00 µg/L	U	J	NA		High or low
HC-18-W-13-0602	B2F0489-10	1,3,5-Trimethylbenzene	125 µg/L	E	J	Concentrations above	NA	High or low
		cis-1,2-Dichloroethene	72.2 µg/L	E	J	upper calibration range	NA	High or low
HC-18-W-21-0602	B2F0489-12	1,1,1-Trichloroethane	1.00 µg/L	U	J		72 percent recovery	Low
		1,1,2,2-Tetrachloroethane	1.00 µg/L	U	J			Low
		1,1,2-Trichloro-1,2,2-trifluoroethane	2.00 µg/L	U	J			Low
		1,1,2-Trichloroethane	1.00 µg/L	U	J			Low
		1,1-Dichloroethane	1.00 µg/L	U	J			Low
		1,1-Dichloroethene	1.00 µg/L	U	J			Low
		1,2,4-Trimethylbenzene	1.00 µg/L	U	J			Low
		1,2-Dichlorobenzene	1.00 µg/L	U	J			Low
		1,2-Dichloroethane	1.00 µg/L	U	J			Low
		1,2-Dichloropropane	1.00 µg/L	U	J			Low
		1,3,5-Trimethylbenzene	1.00 µg/L	U	J			Low
		1,3-Dichlorobenzene	1.00 µg/L	U	J			Low
		1,4-Dichlorobenzene	1.00 µg/L	U	J			Low
		2-Butanone	10.0 µg/L	U	J			Low
		2-Chloroethylvinyl ether	5.00 µg/L	U	J			Low
		2-Hexanone	10.0 µg/L	U	J			Low
		4-Methyl-2-pentanone	10.0 µg/L	U	J			Low
		Acetone	25.0 µg/L	U	J			Low
		Benzene	0.500 µg/L	U	J			Low
		Bromodichloromethane	1.00 µg/L	U	J			Low
		Bromoform	1.00 µg/L	U	J			Low
		Bromomethane	2.00 µg/L	U	J			Low
		Carbon disulfide	1.00 µg/L	U	J			Low
		Carbon tetrachloride	1.00 µg/L	U	J			Low
		Chlorobenzene	1.00 µg/L	U	J			Low

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory ID	Sample ID	Analyte	Result	Unit	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Flag	Qualifier			
			Chloroethane	1.00	µg/L	U	J			Low
			Chloroform	1.00	µg/L	U	J			Low
			Chloromethane	5.00	µg/L	U	J			Low
			cis-1,2-Dichloroethene	1.00	µg/L	U	J			Low
			cis-1,3-Dichloropropene	1.00	µg/L	U	J			Low
			Dibromochloromethane	1.00	µg/L	U	J			Low
			Ethylbenzene	5.62	µg/L		J			Low
			m,p-Xylene	10.2	µg/L		J			Low
			Methylene chloride	5.00	µg/L	U	J			Low
			Naphthalene	1.00	µg/L	U	J			Low
			o-Xylene	1.00	µg/L	U	J			Low
			Styrene	1.00	µg/L	U	J			Low
			Tetrachloroethene	1.00	µg/L	U	J			Low
			Toluene	2.8	µg/L		J			Low
			trans-1,2-Dichloroethene	1.00	µg/L	U	J			Low
			trans-1,3-Dichloropropene	1.00	µg/L	U	J			Low
			Trichloroethene	1.00	µg/L	U	J			Low
			Trichlorofluoromethane	1.00	µg/L	U	J			Low
			Vinyl acetate	5.00	µg/L	U	J			Low
			Vinyl chloride	1.00	µg/L	U	J			Low
HC-18-W-9-0602		B2F0489-09	1,2,4-Trimethylbenzene	175	µg/L	E	J	Concentrations above upper calibration range	NA	High or low
			1,3,5-Trimethylbenzene	67.9	µg/L	E	J		NA	High or low
HC-1-W-13-0602		B2F0215-12	1,1,1-Trichloroethane	165	µg/L	E	J	Concentrations above upper calibration range	NA	High or low
			1,1,2-Trichloro-1,2,2-trifluoroethane	106	µg/L	E	J		NA	High or low
			1,1-Dichloroethane	183	µg/L	E	J		NA	High or low
			1,2-Dichlorobenzene	56.9	µg/L	E	J		NA	High or low
			1,2-Dichloroethane	242	µg/L	E	J		NA	High or low
			4-Methyl-2-pentanone	319	µg/L	E	J		NA	High or low
			Acetone	318	µg/L	E	J		NA	High or low
			cis-1,2-Dichloroethene	843	µg/L	E	J		NA	High or low
			Naphthalene	135	µg/L	E	J		NA	High or low
HC-1-W-21-0602		B2F0225-02RE1	Toluene	584	µg/L	DE	J	Concentration above upper calibration range	NA	High or low
HC-1-W-9-0602		B2F0215-11	1,2-Dichlorobenzene	75.2	µg/L	E	J	Concentrations above upper calibration range	NA	High or low
			1,2-Dichloroethane	71	µg/L	E	J		NA	High or low
HC-3-W-13-0602		B2F0225-09	1,3,5-Trimethylbenzene	53.3	µg/L	E	J	Concentration above upper calibration range	NA	High or low

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Unit	Flag	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
						Qualifier	Reason			
HC-3-W-9-0602	B2F0225-08	1,1,2-Trichloro-1,2,2-trifluoroethane	4.01	µg/L	J	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent	128 percent recovery	High	
		1,1-Dichloroethane	5.27	µg/L	J	J			High	
		1,2-Dichloroethane	1.12	µg/L	J	J			High	
		2-Butanone	17.4	µg/L	J	J			High	
		4-Methyl-2-pentanone	50.8	µg/L	J	J			High	
		Benzene	1.3	µg/L	J	J			High	
		cis-1,2-Dichloroethene	28.1	µg/L	J	J			High	
		Naphthalene	69.2	µg/L	E	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent and concentration above upper calibration range	128 percent recovery	High or low	
		Vinyl chloride	4.93	µg/L	J	J	4-Bromofluorobenzene recovery above upper control limit of 120 percent	128 percent recovery	High	
HC-6-W-57-0602	B2F0162-06	Carbon disulfide	1.05	µg/L	U	U	Equipment rinseate blank contamination	6.81, 1.95, 2.68, 5.66, and 9.32 µg/L	False positive	
HC-9-16-W-21-0602	B2F0422-13	o-Xylene	96.6	µg/L	E	J	Concentration above upper calibration range	NA	High or low	
HC-waste-0602	B2F0570-09	Carbon disulfide	1.57	µg/L	U	U	Equipment rinseate blank contamination	6.81, 1.95, 2.68, 5.66, and 9.32 µg/L	False positive	
HC-20-W-41-0702	B2H0063-04	Bromomethane	2.00	µg/L	U	J	CCV percent difference above 25 percent	26.8 percent	Low or high	
HC-20-W-49-0702	B2H0063-07	Bromomethane	2.00	µg/L	U	J	CCV percent difference above 25 percent	26.8 percent	Low or high	
HC-20-W-61-0702	B2H0063-09	Bromomethane	2.00	µg/L	U	J	CCV percent difference above 25 percent	26.8 percent	Low or high	
HC-20-W-69-0702	B2H0063-10	Bromomethane	2.00	µg/L	U	J	CCV percent difference above 25 percent	26.8 percent	Low or high	

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result	Units	Lab Validation		Quality Control Reason	Quality Control Result	Possible Bias
					Flag	Qualifier			
HC-21-W-13-0702	B2H0095-01KE1	1,1,1-Trichloroethane	1420	µg/L	D	J	4-Bromofluorobenzene	122 percent recovery	High
		1,1,2-Trichloro-1,2,2-trifluoroethane	418	µg/L	D	J	recovery above upper control limit of 120 percent		High
		1,1-Dichloroethane	497	µg/L	D	J			High
		1,2,4-Trimethylbenzene	298	µg/L	D	J			High
		1,3,5-Trimethylbenzene	110	µg/L	D	J			High
		cis-1,2-Dichloroethene	426	µg/L	D	J			High
		Ethylbenzene	134	µg/L	D	J			High
		m,p-Xylene	315	µg/L	D	J			High
		o-Xylene	102	µg/L	D	J			High
Vinyl chloride	133	µg/L	D	J			High		
HC-21-W-21-0702	B2H0095-03	1,1,2-Trichloro-1,2,2-trifluoroethane	76.8	µg/L		J	Concentration above upper calibration range	NA	High or low
HC-22-W-13-0702	B2H0001-01	1,1-Dichloroethene	75.7	µg/L	E	J			High or low
		1,3,5-Trimethylbenzene	73.3	µg/L	E	J			High or low
		2-Butanone	416	µg/L	E	J			High or low
		4-Methyl-2-pentanone	363	µg/L	E	J			High or low
		Trichlorofluoromethane	401	µg/L	E	J			High or low
HC-22-W-17-0702	B2H0001-02	1,1,1-Trichloroethane	59.8	µg/L		J			Low
		1,1,2,2-Tetrachloroethane	1.00	µg/L	U	J			Low
		1,1,2-Trichloro-1,2,2-trifluoroethane	91	µg/L		J			Low
		1,1,2-Trichloroethane	0.500	µg/L	U	J			Low
		1,1-Dichloroethane	5.75	µg/L		J			Low
		1,1-Dichloroethene	1.00	µg/L	U	J			Low
		1,2,4-Trimethylbenzene	62.9	µg/L		J			Low
		1,2-Dichlorobenzene	16.3	µg/L		J			Low
		1,2-Dichloroethane	1.00	µg/L	U	J			Low
		1,2-Dichloropropane	0.500	µg/L	U	J			Low
		1,3,5-Trimethylbenzene	16.4	µg/L		J			Low
		1,3-Dichlorobenzene	2.19	µg/L		J			Low
		1,4-Dichlorobenzene	11.9	µg/L		J			Low
		2-Butanone	10.0	µg/L	U	J			Low
		2-Chloroethylvinyl ether	5.00	µg/L	U	J			Low
		2-Hexanone	10.0	µg/L	U	J			Low
		4-Methyl-2-pentanone	10.0	µg/L	U	J			Low
		Acetone	25.0	µg/L	U	J			Low
		Benzene	0.500	µg/L	U	J			Low
Bromodichloromethane	0.500	µg/L	U	J			Low		
Bromoform	1.00	µg/L	U	J			Low		
Bromomethane	2.00	µg/L	U	J			Low		
Carbon disulfide	0.500	µg/L	U	J			Low		
Carbon tetrachloride	1.00	µg/L	U	J			Low		
Chlorobenzene	1.00	µg/L	U	J			Low		

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory Sample ID	Sample Name	Result	Unit	Lab. Validation		Quality Control Reason	Quality Control Result	Possible Bias
					Flag	Qualifier			
		Chloroethane	1.00	µg/L	U	J			Low
		Chloroform	1.00	µg/L	U	J			Low
		Chloromethane	2.50	µg/L	U	J			Low
		cis-1,2-Dichloroethene	2.79	µg/L	U	J			Low
		cis-1,3-Dichloropropene	1.00	µg/L	U	J			Low
		Dibromochloromethane	0.500	µg/L	U	J			Low
		Ethylbenzene <sup>a</sup>	106	µg/L	E	J			Low or high
		m,p-Xylene <sup>a</sup>	140	µg/L	E	J			Low or high
		Methylene chloride	5.00	µg/L	U	J			Low
		Naphthalene	12.7	µg/L	U	J			Low
		o-Xylene	26.5	µg/L	U	J			Low
		Styrene	1.00	µg/L	U	J			Low
		Tetrachloroethene	1.67	µg/L	U	J			Low
		Toluene	10	µg/L	U	J			Low
		trans-1,2-Dichloroethene	1.00	µg/L	U	J			Low
		trans-1,3-Dichloropropene	1.00	µg/L	U	J			Low
		Trichloroethene	1.00	µg/L	U	J			Low
		Trichlorofluoromethane	1.00	µg/L	U	J			Low
		Vinyl acetate	5.00	µg/L	U	J			Low
		Vinyl chloride	3.09	µg/L	U	J			Low
HC-23-W-13-0702	B2H0037-03	1,1,2-Trichloroethane	7.47	µg/L	E	J	Concentrations above upper calibration range	NA	High or low
		1,1-Dichloroethene	8.11	µg/L	E	J		NA	High or low
		1,2-Dichloroethane	32.4	µg/L	E	J		NA	High or low
		1,2-Dichloropropane	1.25	µg/L	E	J		NA	High or low
		2-Butanone	68.2	µg/L	E	J		NA	High or low
		4-Methyl-2-pentanone	426	µg/L	E	J		NA	High or low
		Benzene	60.2	µg/L	E	J		NA	High or low
		Chlorobenzene	4.13	µg/L	E	J		NA	High or low
		Methylene chloride	16.5	µg/L	E	J		NA	High or low
		Tetrachloroethene	9.37	µg/L	E	J		NA	High or low
		trans-1,2-Dichloroethene	64.6	µg/L	E	J		NA	High or low
		Trichloroethene	6.35	µg/L	E	J		NA	High or low

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory Sample ID	Analyte	Result Unit	Lab Valuation		Quality Control Reason	Quality Control		Possible Bias
				Flag	Qualifier		Result	Recovery	
HC-23-W-17-0702	B2H0037-04	1,1,1-Trichloroethane	23.8 µg/L	J					Low
		1,1,2,2-Tetrachloroethane	1.00 µg/L	U		Toluene-d8 recovery below lower control limit of 75 percent	65 percent recovery	Low	
		1,1,2-Trichloro-1,2,2-trifluoroethane	54.5 µg/L	J					Low
		1,1,2-Trichloroethane	0.500 µg/L	U					Low
		1,1-Dichloroethane	61.3 µg/L	J					Low
		1,1-Dichloroethene	1.00 µg/L	U					Low
		1,2-Dichlorobenzene	1.00 µg/L	U					Low
		1,2-Dichloroethane	1.26 µg/L	J					Low
		1,2-Dichloropropane	0.500 µg/L	U					Low
		1,3,5-Trimethylbenzene	61.8 µg/L	J					Low
		1,3-Dichlorobenzene	0.500 µg/L	U					Low
		1,4-Dichlorobenzene	1.00 µg/L	U					Low
		2-Butanone	10.0 µg/L	U					Low
		2-Chloroethylvinyl ether	5.00 µg/L	U					Low
		2-Hexanone	10.0 µg/L	U					Low
		4-Methyl-2-pentanone	10.0 µg/L	U					Low
		Acetone	25.0 µg/L	U					Low
		Benzene	9.69 µg/L	J					Low
		Bromodichloromethane	0.500 µg/L	U					Low
		Bromoform	1.00 µg/L	U					Low
		Bromomethane	2.00 µg/L	U					Low
		Carbon disulfide	0.500 µg/L	U					Low
		Carbon tetrachloride	1.00 µg/L	U					Low
Chlorobenzene	1.00 µg/L	U					Low		
Chloroform	1.00 µg/L	U					Low		
Chloromethane	2.50 µg/L	U					Low		
cis-1,2-Dichloroethene	77.1 µg/L	J					Low		
cis-1,3-Dichloropropene	1.00 µg/L	U					Low		
Dibromochloromethane	0.500 µg/L	U					Low		
Methylene chloride	5.00 µg/L	U					Low		
Naphthalene	99.6 µg/L	J					Low		
o-Xylene	56.1 µg/L	J					Low		
Styrene	1.00 µg/L	U					Low		
Tetrachloroethene	1.00 µg/L	U					Low		
trans-1,2-Dichloroethene	1.78 µg/L	J					Low		
trans-1,3-Dichloropropene	1.00 µg/L	U					Low		
Trichloroethene	1.00 µg/L	U					Low		
Trichlorofluoromethane	1.00 µg/L	U					Low		
Vinyl acetate	5.00 µg/L	U					Low		
Vinyl chloride	30.7 µg/L	J					Low		
HC-23-W-17-0702	B2H0037-04RE1	1,2,4-Trimethylbenzene	223 µg/L	D		Toluene-d8 recovery below lower control limit of 75 percent	69 percent recovery	Low	
		Chloroethane	82.5 µg/L	D				Low	
		Toluene	403 µg/L	D				Low	

Summary of Qualified Data - Hydraulic Control Interim Measure 2002 (cont.)

Sample ID	Laboratory	Sample ID	Analyte	Result	Unit	Lab Flag	Validation Qualifier	Quality Control Reason	Quality Control Result	Possible Bias
HC-9-20-W-49-0702 B2H0063-08		B2H0063-08	Bromomethane	2.00	µg/L	U	J	CCV percent difference above 25 percent	26.8 percent	Low or high
HC-CG-8-S1-0802 B2H0248-04		B2H0248-04	Methylene chloride	8.75	µg/L		U	Method blank contamination	Concentration was slightly below MRL of 5.00 µg/L	False positive
HC-CG-8-S1-0802 B2H0248-04RE1		B2H0248-04RE1	Ethylbenzene	3990	µg/L	DE	J	Concentrations above upper calibration range	NA	High or low
			Toluene	2520	µg/L	DE	J	Concentrations above upper calibration range	NA	High or low

**Note:** CCV - continuing calibration verification

D - dilution

E - estimated (concentration above upper calibration range of instrument)

J - estimated

NA - not applicable

RE1 - reanalysis

U - undetected at reporting limit shown

MRL - method reporting limit

<sup>a</sup> These compounds additionally qualified because the reported concentrations were above the upper calibration range.







**APPENDIX 5A**  
**MICROPURGE REPORT 2001**

**Evaluation of the Effectiveness  
of Micropurge Groundwater  
Sampling Technique**

**Philip Services Corporation  
Georgetown Facility  
Seattle, Washington**

Prepared for

Philip Services Corporation  
Renton, Washington

**Evaluation of the Effectiveness  
of Micropurge Groundwater  
Sampling Technique**

**Philip Services Corporation  
Georgetown Facility  
Seattle, Washington**

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November 2001

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## Acronyms and Abbreviations

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BTEX	benzene, toluene, ethylbenzene, and xylenes
CoPC	chemical of potential concern
EPA	U.S. Environmental Protection Agency
the facility	Philip Services Corporation's Georgetown facility
PCE	tetrachloroethene
PSC	Philip Services Corporation
RCRA	Resource Conservation and Recovery Act
SOP	standard operating procedure
TCE	trichloroethene
VOC	volatile organic compound

## Executive Summary

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This report presents the results of Exponent's evaluation of the effectiveness of the micropurge groundwater sampling technique currently used at Philip Services Corporation's Georgetown facility (the facility) in Seattle, Washington. Several different sampling techniques have been used since quarterly groundwater sampling began in 1992 as part of the facility's Resource Conservation and Recovery Act permit (WAD 000 812 909). In May 1999, the U.S. Environmental Protection Agency approved a micropurge sampling technique for use on a trial basis. For this evaluation, quarterly data collected using the micropurge sampling technique are compared to data collected using the previous sampling techniques to determine if there are significant differences. Exponent's evaluation included: 1) examination of time series plots of indicator analyte concentrations and field parameters for each well, 2) examination of conventional geochemical data, and 3) evaluation of compliance with the approved micropurge sampling protocols.

Evaluation of time series plots showed no sudden and consistent low or high bias in concentrations of indicator analytes after the implementation of micropurge. Spikes in water quality data and deviations from the approved micropurge standard operating procedure did not correlate with spikes (either high or low) in volatile organic compound concentrations. Ternary plots of conventional geochemical data showed that reported values of major cations were similar before and after the implementation of micropurge.

From these observations, it can be concluded that the micropurge sampling technique produced data that are comparable to previous results. This evaluation has shown that the deviations that occurred do not correspond to high- or low-biased concentration data.

# 1 Introduction

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This report presents the results of Exponent's evaluation of the effectiveness of the micropurge groundwater sampling technique currently used at Philip Services Corporation's (PSC's) Georgetown facility (the facility) in Seattle, Washington. In May 1999, the U.S. Environmental Protection Agency (EPA) approved the micropurge groundwater sampling technique for use on a trial basis to collect quarterly groundwater samples required by the facility's Resource Conservation and Recovery Act (RCRA) permit (WAD 000 812 909). To address EPA concerns regarding the effectiveness of this micropurge sampling technique, PSC requested that Exponent perform the following evaluations:

- Compare quarterly analytical data collected using the micropurge sampling technique to analytical data collected using the previous sampling techniques to determine if there were significant differences between analytical data collected using the different techniques
- Identify and evaluate analytical results from groundwater monitoring wells where one or more of the following occurred:
  - A significant temperature increase
  - Well drawdown exceeded 0.3 ft
  - A steady, low-flow rate (less than 300 mL/min) could not be maintained during purging
  - Aquifer effervescence (i.e., the occurrence of air in the discharge tubing and a corresponding loss of pumped flow)
- Discuss variations from the approved micropurge standard operating procedure (SOP) and EPA's *RCRA Groundwater Monitoring: Draft Technical Guidance* (U.S. EPA 1992).

These evaluations also address EPA's concern about a potential low bias in the groundwater analytical results for volatile organic compounds (VOCs) because of deviations from the approved micropurge SOP.

This report is organized into the following sections:

- **Compilation of Available Data (Section 2)**—provides summaries of available information related to ground water monitoring at the facility including: well completion data, groundwater sampling techniques, chemical analytical results, and field reports.
- **Evaluation Methods (Section 3)**—provides a discussion of the methods used in this evaluation, which include time series plots, ternary plots, and summary tables.
- **Evaluation (Section 4)**—provides a detailed examination of groundwater data collected before and after the implementation of micropurge and potential relationships to variations from PSC's approved SOP and EPA micropurge sampling guidance. Discussions are included on potential relationships between: significant temperature increases during purging; well drawdown greater than 0.3 ft; unsteady flow rates during purging; or the occurrence of aquifer effervescence with the reported data.
- **Summary and Conclusions (Section 5)**—presents conclusions of the micropurge sampling technique evaluation.
- **References (Section 6)**—contains a list of the documents cited in this report.

All figures and tables are presented at the end of this report.

## **2     Compilation of Existing Data**

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A variety of data have been collected since investigative work at the facility began in 1982. The following is a summary of the available data and a discussion of the data compiled for use in the evaluation.

### **2.1     Well Completion Details**

Quarterly groundwater monitoring data used in this evaluation are collected from approximately 39 wells at the facility. Table 1 summarizes selected well completion details, including the installation date, total depth, screened interval, and description of the soil each well is screened in. Complete well construction details for each well are provided in the *Draft Comprehensive RFI Report* (PSC 2001).

### **2.2     Groundwater Sampling Techniques**

Three groundwater sampling techniques (high-volume, low-flow, and micropurge) have been used since quarterly groundwater sampling began as part of the facility's RCRA permit in 1992. Groundwater sampling techniques and changes in the equipment used for groundwater sampling are described below.

#### **2.2.1    High-volume Purge**

The first sampling technique used to collect quarterly groundwater data was high-volume purge. This technique was used from the third quarter of 1992 through the first quarter of 1994. In this technique, sampling commenced after a minimum of three well volumes were removed and field parameters (i.e., pH, temperature, and conductivity) stabilized within 10 percent (PSC 2001). Groundwater samples were collected using dedicated double-check valve Teflon<sup>®</sup> bailers to collect VOC samples and a peristaltic pump with disposable Tygon<sup>®</sup> tubing for all other analyses.

### **2.2.2 Low-flow**

A low-flow groundwater sampling technique was used to collect groundwater samples at the facility from the second quarter of 1994 through the first quarter of 1999. As described in the low-flow SOP, groundwater was purged at a maximum of 1,000 mL/min or less while field parameters (i.e., temperature, oxidation reduction potential, pH, dissolved oxygen, turbidity, and conductivity) were monitored at three- to five-minute intervals. Groundwater samples were collected after a minimum of one well volume was purged and at least two consecutive field parameter readings were within 10 percent. Dedicated sampling equipment (i.e., pumps and tubing) was used for sampling beginning in the second quarter of 1994.

### **2.2.3 Micropurge**

The current micropurge groundwater sampling technique has been used at the facility to collect groundwater samples since the second quarter of 1999. A copy of PSC's SOP for micropurge sampling is included in Appendix B. As described in the micropurge SOP (PSC 1999), groundwater is purged at a maximum rate of 300 mL/min while maintaining a water level drawdown of less than 0.3 ft. Field parameters including temperature, oxidation reduction potential, pH, dissolved oxygen, turbidity, and conductivity are monitored at approximately three-to five-minute intervals. Purge rate, water level, and pump speed are also measured. Field parameters are considered stable when three consecutive readings are within  $\pm 0.1$  unit for pH,  $\pm 3$  percent for conductivity and temperature, and  $\pm 10$  percent for dissolved oxygen, oxidation reduction potential, and turbidity. Groundwater samples are collected after all field parameters have stabilized, or alternatively after either the well is purged dry twice, or after a minimum of one well volume is purged.

## **2.3 Groundwater Monitoring Data**

Groundwater monitoring data have been collected as part of various facility investigations since 1982. Collection of quarterly groundwater data required by the facility's RCRA permit began in the third quarter of 1992. The monitoring program included analyses for VOCs, semivolatile



organic compounds, pesticides and polychlorinated biphenyls, and metals. A brief summary of available quarterly data is presented in Table 2.

Although quarterly chemical data have been collected at the facility since 1992, Exponent primarily relied on the data set from the more recent sampling events for our evaluations. This is because naturally occurring chemical migration and degradation, which is to be expected over this length of time, complicates the comparison of more recent monitoring results to older monitoring results. Exponent's evaluation was performed using data from the fourth quarter of 1997 through the first quarter of 2001, corresponding to that portion of the database for which field data are available electronically. Tabulated summaries of the data used in our evaluation are included as Appendix A.

Indicator chemicals were selected from the data set for initial identification of differences that might be attributable to the sampling methods used. The selection of indicator chemicals is discussed below.

### **2.3.1 Indicator Organic Compounds**

In selecting organic compounds for use as indicator chemicals in this evaluation, Exponent reviewed the detection frequency tables (presented in Appendix A) and applied the following criteria: 1) an indicator compound should be a chemical of potential concern (CoPC) listed in Section 7 of the *Draft Comprehensive RFI Report* (PSC 2001); 2) it should be detected in a relatively high percentage of the monitoring wells, so results of the analysis would not be complicated by a high percentage of non-detect values; and 3) it should not be a degradation product of one or more site contaminants. Preference was also given to VOCs because of their particular sensitivity to sample collection methodologies. From those CoPCs, benzene, toluene, ethylbenzene, xylenes (BTEX), tetrachloroethene (PCE), trichloroethene (TCE), and 2,4-dimethylphenol were selected as indicator analytes for use in the micropurge evaluation.

### 2.3.2 Indicator Metals

In selecting metals for use as indicator chemicals, Exponent reviewed the detection frequency tables (presented in Appendix A) and applied the following criteria: 1) an indicator metal should be a CoPC listed in Section 7 of the *Draft Comprehensive RFI Report* (PSC 2001) and 2) it should be detected in a relatively high percentage of the monitoring wells. Only unfiltered (total) metals results were used because filtered (dissolved) analyses were not performed after the micropurge sampling methodology was implemented. Arsenic, chromium, lead, and zinc were selected as indicator analytes for use in this micropurge evaluation.

## 2.4 Field Parameters

As discussed in Section 2.2, each of the groundwater sampling techniques used by PSC requires that certain field parameters stabilize during well purging to ensure that groundwater from the formation, rather than stagnant casing water, is sampled. Field parameters monitored during micropurge groundwater sampling (and associated stabilization requirement) were pH ( $\pm 0.01$  pH unit), conductivity ( $\pm 3$  percent), temperature ( $\pm 3$  percent), dissolved oxygen ( $\pm 10$  percent), oxidation reduction potential ( $\pm 10$  percent), and turbidity ( $\pm 10$  percent) in addition to purge rate, purge volume, and drawdown. For this evaluation, Exponent also calculated the change in groundwater temperature during purging. Methods of calculation are discussed below.

- To calculate the stability of temperature, conductivity, oxidation reduction potential, dissolved oxygen, and turbidity:

$$\text{First Percent Change} = (1 - (\text{First Reading} - \text{Second Reading})) \times 100$$

$$\text{Second Percent Change} = (1 - (\text{Second Reading} - \text{Third Reading})) \times 100$$

$$\text{Final Percent Change} = (\text{First Percent Change} + \text{Second Percent Change}) / 2.$$

- To calculate the stability of pH:

First pH Change = First Reading–Second Reading

Second pH Change = Second Reading–Third Reading

Final pH Change = (First pH Change+Second pH Change)/2.

In order to avoid using outlier values attributed to equipment startup during initiation of sample collection procedures, the first two purge rate and temperature readings (typically the first six minutes of purging) were not used in these evaluations. Exceptions to this were made for the fourth quarter of 1997, when only 3 field parameter readings were recorded. For this quarter, the initial reading was not used.

## 3 Evaluation Methods

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Changes in analyte concentrations or trends could be attributable to changes in the source, natural attenuation, fluctuations in water levels or flow directions, or other unmeasured variables. Therefore, standard statistical methods would not provide meaningful analysis regarding the cause of such changes. Exponent used the data sets established in the previous section to perform the evaluations outlined in Section 1 using the following methods:

- Time series plots of indicator chemicals and select field parameters
- Ternary plots of available geochemical data
- Summary tables of variations from SOP protocols.

Each assessment method is discussed below.

### 3.1 Time Series Plots

Time series plots comparing concentration data collected using both micropurge and low-flow techniques were created to detect patterns that could be attributable to the changes in sampling technique. Time series plots could show trends indicative of program-related changes such as a sudden and consistent low or high bias in concentrations of indicator analytes corresponding to the implementation of micropurge sampling techniques. Such a change would indicate that the micropurge technique had an effect on sample concentrations, either positively or negatively. For example, an increase in VOC concentrations might be expected with the implementation of micropurge because lower purge rates would decrease the possibility of aeration and volatilization. One might also expect a decrease in metals concentrations with the implementation of micropurge because of decreased turbidity and suspended particulate matter. Exponent also reviewed data for other possible program-related changes such as sudden and constant changes in field parameter values. For example, well drawdown and turbidity should decrease with the implementation of micropurge due to lower purge rates.

The time series plots were also evaluated for event-related changes (i.e., data spikes). Data spikes in concentrations (either high or low) are likely due to lab error (which is beyond the scope of this evaluation) or to variations from the approved micropurge SOP (e.g., field parameters not stabilized before collecting sample, high purge rate).

Time series plots showing concentrations of organic indicator analytes (i.e., BTEX, PCE, TCE, and 2,4-dimethylphenol) along with values for well drawdown, turbidity, temperature, change in temperature during purging, maximum flow (i.e., purge rate), and observed aquifer effervescence are presented for each well from fourth quarter 1997 through first quarter 2001 in Figures 1a–39a. (Micropurge sampling began in the second quarter of 1999.) Indicator metals (i.e., arsenic, chromium, lead, and zinc) were measured in most wells, and are presented along with the field parameters listed above in corresponding Figures 1b–38b.

### **3.2 Ternary Plot**

Exponent reviewed the available geochemical data to assess consistency in general water chemistry between the different sampling methods. Conventional geochemical data includes common cations (e.g., calcium, magnesium, potassium, and sodium) and anions (e.g., bicarbonate alkalinity, sulfate, and chloride) that are present in all natural waters. These parameters are sensitive to changes in environmental conditions (e.g., changes in geologic formation mineralogy, pH, or aeration). The stability of these parameters at the same location over time is usually a good indication of consistency in sampling methodology.

Conventional geochemical parameters are not included in the facility's routine monitoring program; therefore, very few geochemical data are available for this assessment. The data sets for major cations (calcium, magnesium, potassium, and sodium) for wells CG-101-S1 and CG-111-I are the only such data sets available for both before and after the implementation of micropurge sampling. A similar data set for common anions lacks corresponding bicarbonate alkalinity and sulfate values for some sampling events. Exponent plotted the available cation data for wells CG-101-S1 and CG-111-I on a ternary plot (Figure 40).

### **3.3 Summary Tables of Field Parameters**

Field data from the individual sampling events were reviewed and compared to the applicable sampling protocols to evaluate compliance with the sampling requirements outlined in the approved SOP. Table 3 summarizes variations from the sampling requirements that were identified for each well and each sampling event. Table 4 summarizes PSC's SOP as well as relevant EPA micropurge sampling guidance (Puls and Barcelona 1995; U.S. EPA 1992, 1996, 1997).

## 4 Evaluation

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In this section, program and event observations are discussed in detail with respect to the micropurge technique. In addition, the relation, if any, between significant temperature increases, well drawdown, unsteady flow rate, field parameter stabilization, variations from the approved micropurge SOP and concentration spikes, either high or low, are evaluated.

### 4.1 Micropurge Program Changes

Groundwater data were evaluated using time series and ternary plots to compare data collected using the micropurge technique to previous sampling techniques to determine if there were significant differences between analytical data collected using the different techniques.

Potential program changes were not observed on the time series plots for organic compound concentrations in facility wells. While numerous wells have event changes (i.e., data spikes), which are discussed in Section 4.2, there is no sudden and consistent low or high bias in concentrations of indicator analytes corresponding to the implementation of the micropurge sampling technique.

Similarly, a ternary plot presenting available cation data for wells CG-101-S1 and CG-111-I (Figure 40) shows that reported values of cations in well CG-111-I are very tightly clustered while reported values of cations in well CG-101-S1 are more scattered on the plot. However, the scatter of cation values before and after the implementation of micropurge for well CG-101-S1 is consistent, indicating that there is no relationship between these data and the sampling technique used.

Potential program changes were observed in time series plots for metals concentrations in select facility wells. For example, CG-11-I (Figure 18b) and CG-12-I (Figure 20b) show a consistent decrease in zinc concentrations after the implementation of micropurge sampling procedures. Conversely, CG-104-D (Figure 29b) shows an increase in zinc concentrations, and CG-111-I (Figure 36b) shows relatively consistent zinc concentrations (except for an extreme low for all metals in the first quarter of 1999) after the implementation of micropurge sampling procedures.

Given these conflicting differences in trends, no patterns in metals concentrations can be attributed to the micropurge sampling procedures.

Potential program-related changes in temperature were observed for wells CG-2-S1, CG-5-S1, CG-7-S1, and CG-9-S1. Time series plots for these wells (Figures 6a, 11a, 13a, and 16a, respectively) show a sudden and consistent increase in temperature that coincides with the implementation of micropurge. However, other facility wells had no similar consistent change. For three of these wells (CG-2-S1, CG-5-S1, and CG-7-S1), aquifer effervescence was observed during many of these sampling periods. Increased pump motor stress under these conditions is believed to be the cause of these temperature increases. The potential relationship between these observed increases in temperature and sample concentrations is further evaluated in Section 4.3.1, *Significant Temperature Increase*.

## 4.2 Micropurge Event Changes

Numerous event changes (i.e., data spikes) are observed on the time series plots of organic analytes. A summary of these observations is provided in Table 5. Field parameters were evaluated to determine if field parameter spikes were related to a change in VOC concentrations observed in a well. If VOC concentrations were related to field parameter spikes, then each field parameter spike should have a corresponding concentration spike. A review of the trend graphs for these wells showed that spikes in water quality data were not consistently related to spikes (either high or low) in VOC concentrations.

For example, VOC concentrations were observed for samples collected during the third quarter of 1999 for wells CG-2-D, CG-3, CG-11-I, CD-12-I, CG-102-S2, and CG-111-I. A review of the trend graphs for these wells (Figures 4a, 7a, 18a, 20a, 23a, and 36a, respectively) shows that spikes in water quality data are not consistently related to spikes (either high or low) in VOC concentrations. Also, the third quarter 1999 VOC peaks included two upgradient wells (CG-3 and CG-111-I), indicating that these concentration peaks could be due to sample contamination during collection, transportation, or analysis, but are not attributable to the micropurge sampling procedures.



Few event changes (i.e., data spikes) are observed on the time series plots of metals. A summary of these observations is provided in Table 6. Field parameters were evaluated to determine if field parameter spikes were related to a change in metals concentrations observed in a well. Like organic compounds, if metals concentrations were related to field parameter spikes, then each field parameter spike should have a corresponding concentration spike. A review of the trend graphs for these wells showed that spikes in water quality data were not consistently related to spikes (either high or low) in metals concentrations. For example, high turbidity in a well did not always correspond to a high metals concentration or vice versa. More specifically, lead concentration spikes were observed in wells CG-4-D, CG-5-D, and CG-11-S1 during the fourth quarter of 1999 (Figures 8b, 9b, and 19b, respectively). There are no corresponding spikes in field parameter data; therefore, these spikes are suspected to be lab or reporting error.

### **4.3 Comparison of PSC's SOP and EPA Guidance**

Table 4 compares micropurge sampling requirements of PSC's SOP (PSC 1999) and EPA's 1992 draft guidance *RCRA Groundwater Monitoring: Draft Technical Guidance* (U.S. EPA 1992). PSC's current micropurge sampling requirements are based on EPA Region I's sampling requirements (U.S. EPA 1996), which are also shown in Table 4. Other EPA micropurge sampling protocols (U.S. EPA 1995 and 1997) are also shown on Table 4. A comparison of PSC's SOP with the other EPA micropurge sampling requirements shows that most requirements are similar for these techniques. In two cases, requirements in PSC's SOP are more restrictive than those in other guidance documents. PSC's SOP limits purge rates to 300 mL/min, which is consistent with EPA's 1992 draft guidance; whereas, EPA Regions I and III micropurge sampling protocols limit purge rates to 400 mL/min and EPA's 1995 guidance limits purge rates to 500 mL/min. PSC's SOP limits drawdown to 0.3 ft, whereas EPA Region I's 1996 and EPA's 1995 guidance have an alternative drawdown stabilization criterion which allows drawdowns greater than 0.3 ft if stability is achieved.

The sampling requirements in PSC's SOP are identical for those parameters required by EPA's 1992 draft guidance, which include maximum purge rate, turbidity, dissolved oxygen, and

oxidation reduction potential. Therefore, a variation from PSC's SOP indicates a variation from the requirements of EPA's 1992 draft guidance. A summary of variations from PSC's SOP is shown in Table 3.

To evaluate the potential effects on sample concentration caused by significant temperature increases, well drawdown, the occurrence of aquifer effervescence, or unsteady flow rate, Exponent used various methods including time series plots and summary tables.

#### **4.3.1 Significant Temperature Increase During Purging**

The relationship between significant temperature increases during purging and low sample concentration bias was evaluated by comparing the change in temperature (graphed on the time series plots for each well) to concentration data in a well. Time series plots show that there is no consistent relationship between temperature increases and indicator organic compound or metals concentrations. For example, significant temperature increases during the second quarter of 1999 (17.5°F) and the first quarter of 2000 (16.2°F) appear to correspond to lower toluene, ethylbenzene, and xylenes concentrations in CG-7-S1 (Figure 13a). Whereas, significant temperature increases during the fourth quarter of 1999 (11.6°F) and the first quarter of 2001 (17.3°F) appear to correspond to historical toluene, ethylbenzene, and xylenes concentrations in CG-11-S1 (Figure 19a). Given this information, a relationship between significant temperature increases during purging and low sample concentration bias does not appear to exist.

#### **4.3.2 Significant Well Drawdown**

For this evaluation significant well drawdown was considered to be those instances where drawdown exceeded the 0.3 ft maximum criterion specified in PSC's micropurge SOP. The relationship between significant well drawdown during micropurge sampling purging and sample concentration was evaluated by comparing well drawdown (graphed on the time series plots for each well) to concentration data in a well. Time series plots and Table 3 show that a consistent set of intermediate and deep wells have well drawdowns greater than 0.3 ft, including CG-2-D, CG-5-D, CG-11-I, CG-12-I, CG-102-D, and CG-104-D (Figures 4a, 9a, 18a, 20a, 22a,

and 29a, respectively). In fact, drawdowns in these wells can range from 1- to 29-ft. These deep and intermediate wells historically have low to non-detect organic concentration values. Therefore, potential effects on sample concentrations associated with significant drawdown are difficult to determine. This is complicated by the fact that many concentration peaks observed in these wells do not correspond to spikes in field parameters and, thus, cannot be attributable to micropurge sampling techniques.

### **4.3.3 Aquifer Effervescence**

Aquifer effervescence is a term used by PSC to describe a situation where air is observed in the discharge tubing during well purging with a corresponding loss of pumped flow rate. This results in shutting down and subsequently restarting the pump (sometimes several times) in order to obtain a sample. Aquifer effervescence was observed in every quarter from the fourth quarter of 1997 through the first quarter of 2001 in CG-2-S1, CG-2-D, and CG-9-I. CG-2-S1 (Figures 6a and 6b) and CG-9-I (Figure 15a and 15b) show relatively stable concentration trends for organic compounds and metals and CG-2-D (Figure 4b) has stable metals concentrations. Aquifer effervescence was observed during the fourth quarter of 1999, the first, third, and fourth quarter of 2000, and the first quarter of 2001 in CG-6-S1, yet concentrations of indicator organic compounds and metals have remained consistent with historical values (Figures 12a and 12b). Aquifer effervescence was also observed in CG-105-S2 during the second and third quarters of 1999, and the third quarter of 2000 (Figure 35) and corresponds to both relatively high and low concentrations of organic compounds. These examples show no consistent concentration patterns when aquifer effervescence is observed.

### **4.3.4 Unsteady Low Flow Rate**

For the purposes of this evaluation, unsteady low flow rate is defined as those instances where the maximum flow rate prior to sampling exceeded the SOP protocol of 300 mL/min. Twenty-three occurrences of purge rates greater than 300 mL/min are identified in Table 3, although none of these exceeds the 400 mL/min maximum purge rate recommended in both EPA Region I and Region III guidance (U.S. EPA 1996, 1997). The effect of unsteady low flow rates

on analyte concentrations was evaluated by comparing maximum flow rates less than and greater than 300 mL/min to associated concentration data from that well. A summary of variations from SOP purge rate protocols from SOP is provided in Table 3. A low or high bias in sample concentration was not observed when a purge rate of 300 mL/min was exceeded. For example, a maximum purge rate of 400 mL/min was measured in CG-105-I during the second quarter of 1999, yet concentrations of indicator organic compounds and metals are consistent with historical concentrations (Figure 33a). In addition, purge rates of 350 and 300 mL/min were recorded for this same well during the second and third quarters of 2000, respectively, and indicator organic compound concentrations are nearly identical for these two quarters.

## 5 Summary and Conclusions

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In this report, Exponent evaluated the effectiveness of the micropurge groundwater sampling technique currently used at PSC's Georgetown facility. Exponent also reviewed PSC's micropurge SOP and compared those protocols to available EPA guidance, including EPA's 1992 draft guidance. Observations from these evaluations include:

- Evaluation of time series plots showed no sudden and consistent change in concentrations of indicator analytes attributable to micropurge sampling methods.
- Spikes in field parameters and variations from the micropurge SOP protocols were not consistently associated with spikes (either high or low) in VOC concentrations. Spikes in VOC concentrations observed from some wells (primarily during the third and fourth quarters of 1999) are suspected to be caused by sample cross-contamination during collection, transportation, or analysis and do not appear to be related to the implementation of micropurge sampling procedures.
- Ternary plots of the major cations calcium, magnesium, potassium, and sodium show that these values are similar before and after the implementation of micropurge sampling methods.
- For those instances where significant changes in temperature, aquifer effervescence, or unsteady flow rate occurred during micropurge sampling, no consistent correspondence to indicator analyte concentration trends was observed.
- Instances of significant drawdown during micropurging (in excess of the 0.3 ft SOP protocol) were inconclusive with respect to potential effects on sample concentrations. Significant drawdowns (as much as 29 ft) have been reported for intermediate and deep monitoring wells CG-2-D, CD-5-D, CG-11-I, CG-12-I, CG-102-D, and CG-104-D. However, concentrations for

indicator VOCs from these wells for sampling periods prior to the implementation of micropurge sampling techniques, and for those instances where drawdowns of less than 0.3 ft were achieved, are low or undetected. Comparisons between these conditions are therefore not possible.

Based on these observations, Exponent concludes that the micropurge sampling methods employed since the second quarter of 1999 result in data of comparable quality to that produced using previous sampling methods. Exponent's review shows that variations from PSC's SOP protocols within the ranges observed during this evaluation did not correspond to high or low biased concentration data.

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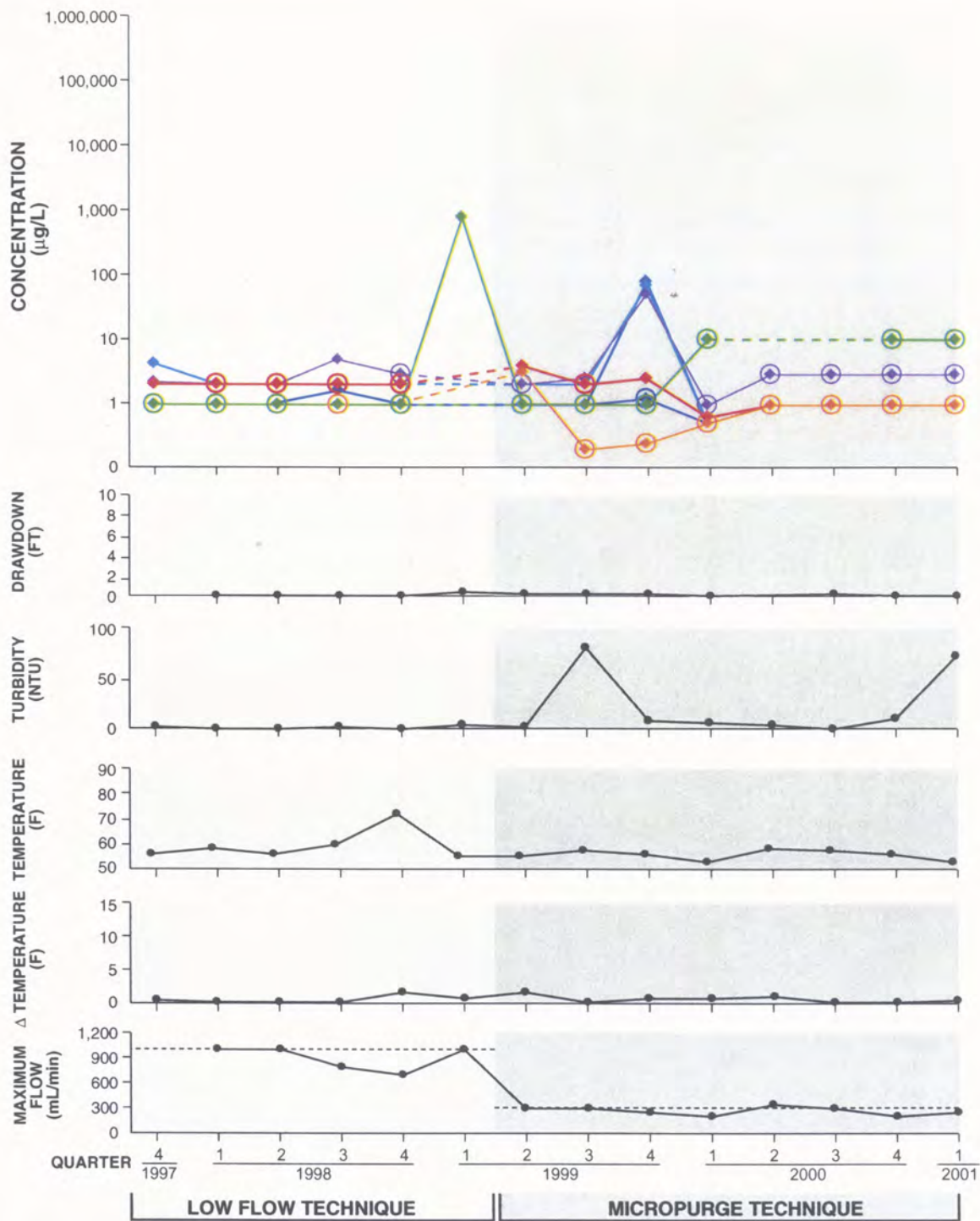
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## Figures

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**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 1a. Time series plots of selected organic analytes and field parameters for well CG-1-D

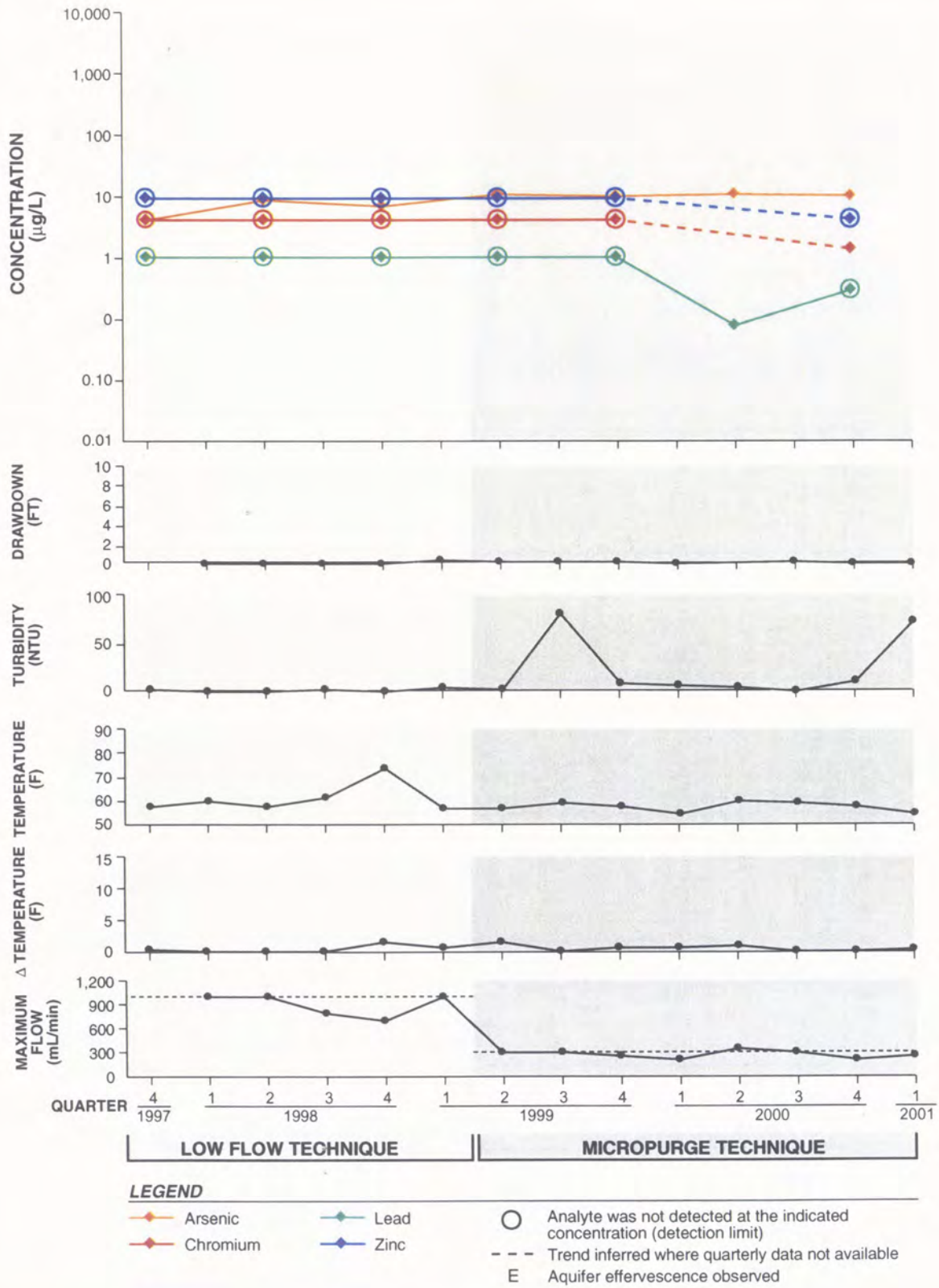
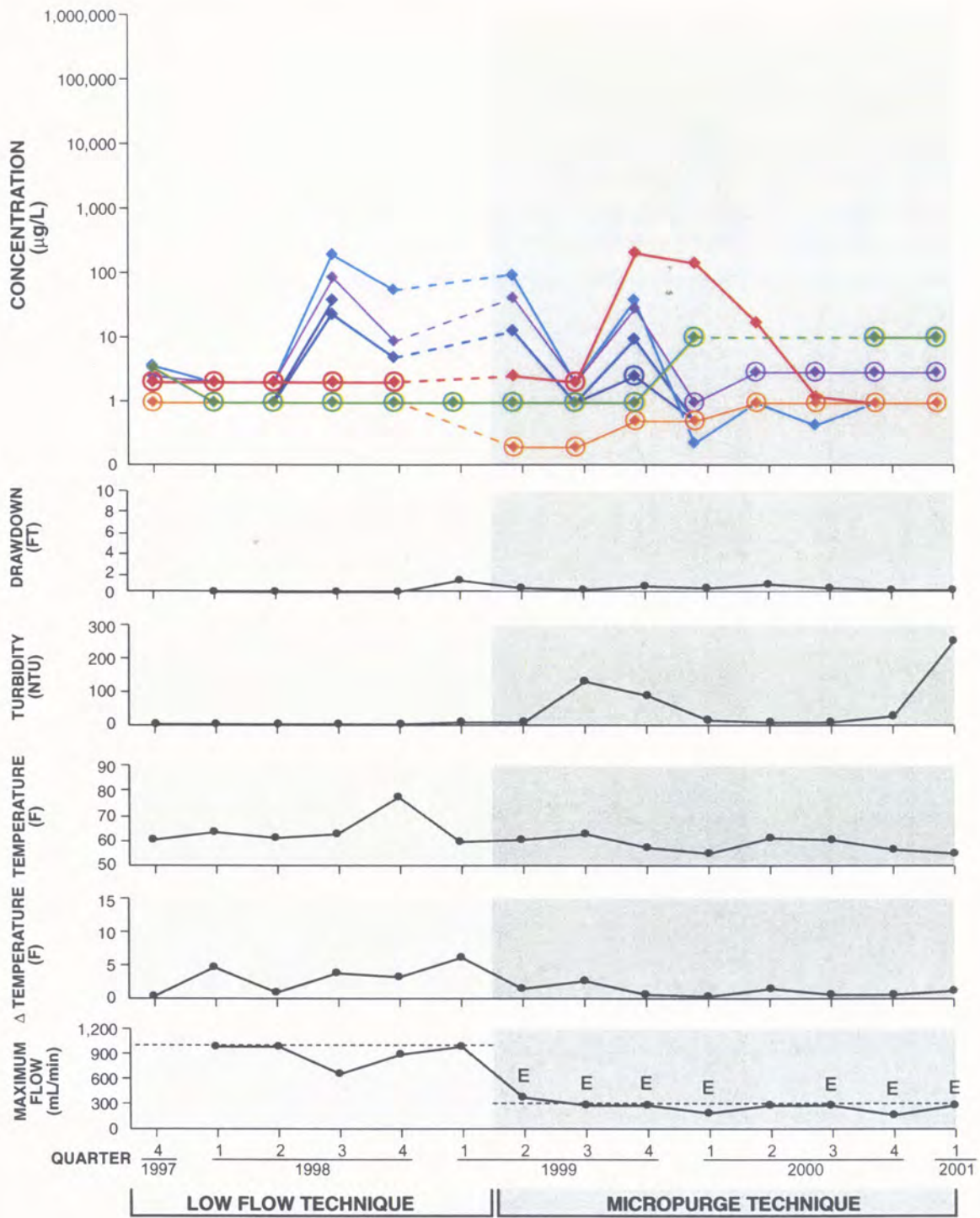


Figure 1b. Time series plots of selected metals and field parameters for well CG-1-D





**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 2a. Time series plots of selected organic analytes and field parameters for well CG-1-I

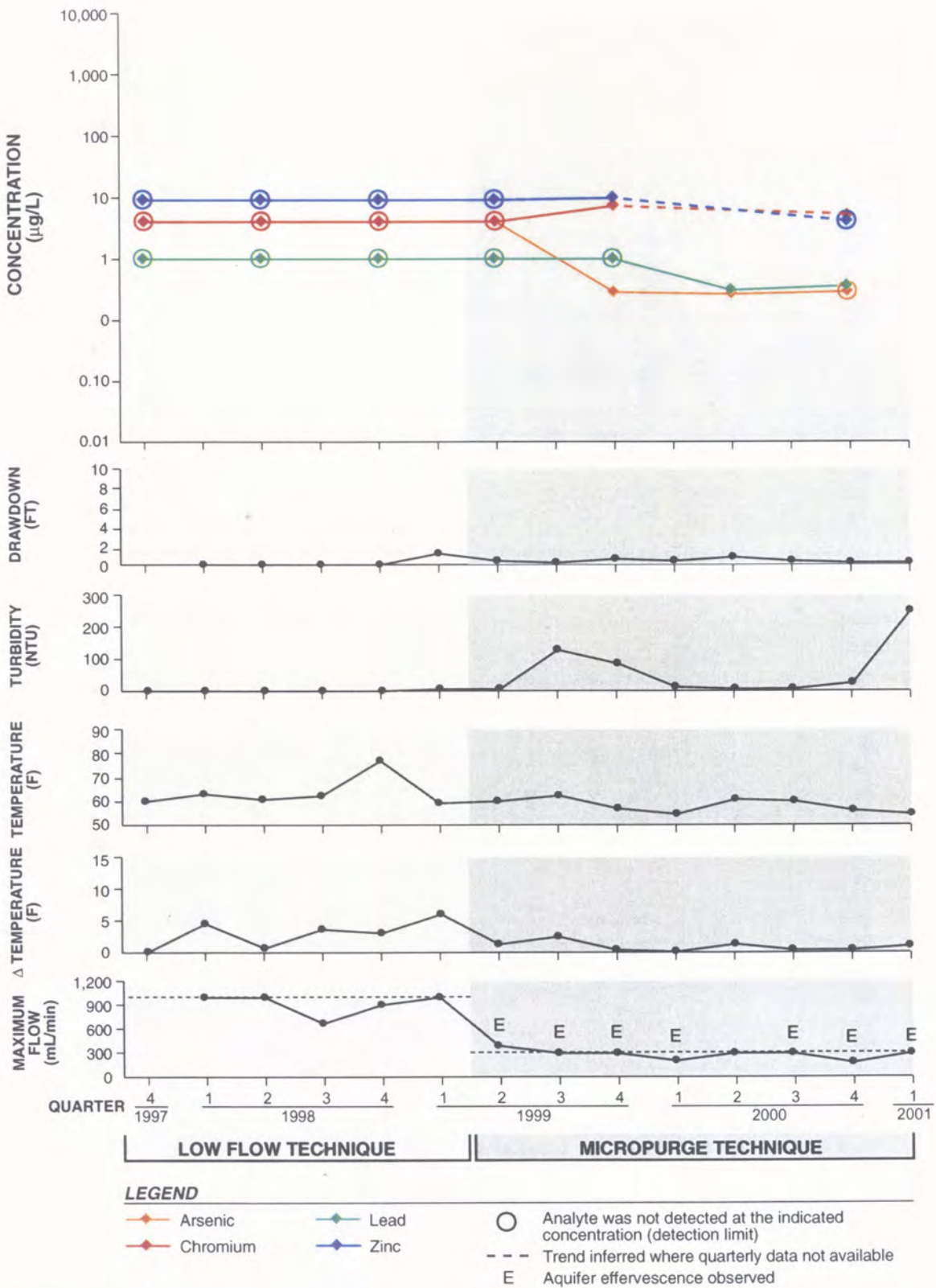
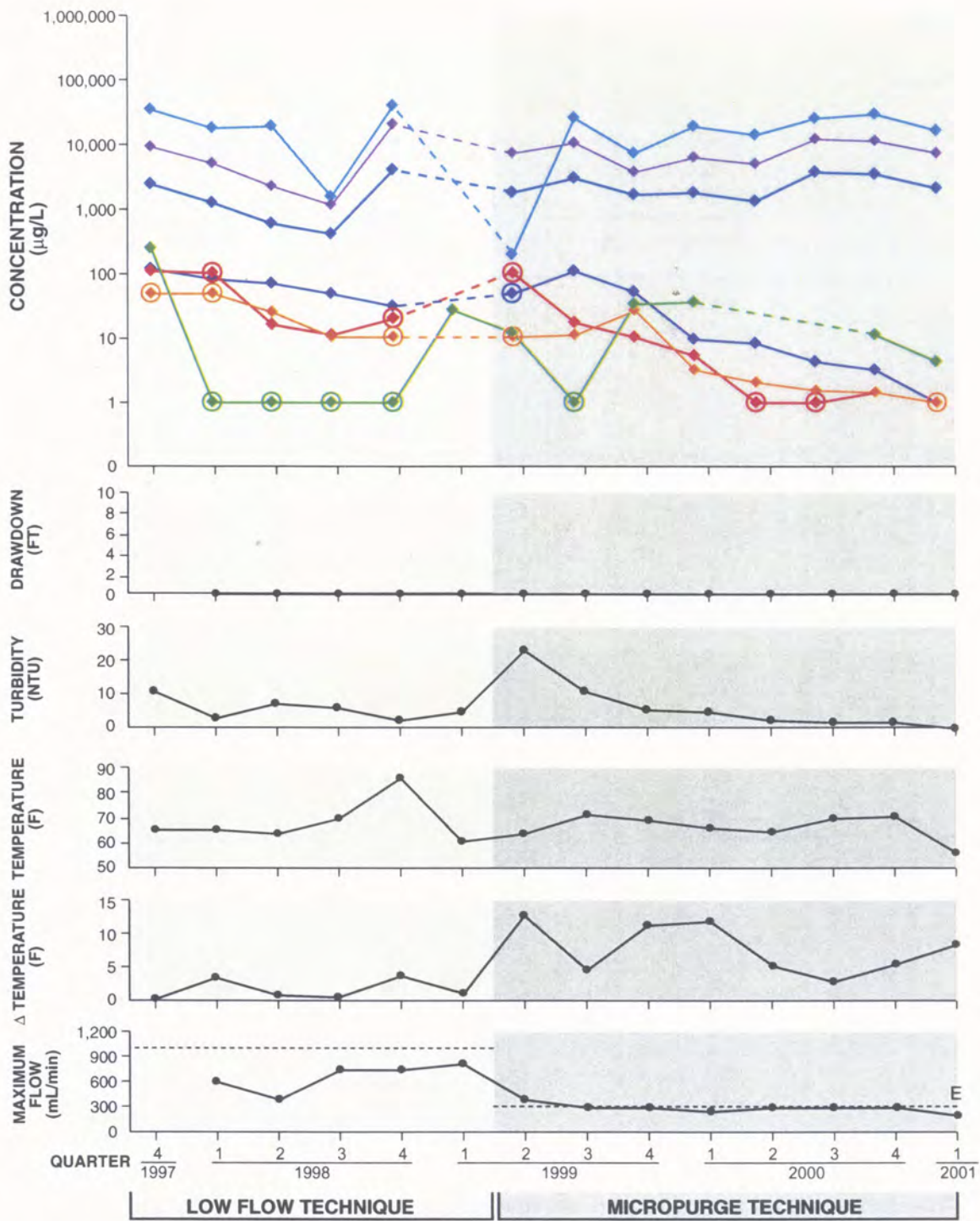


Figure 2b. Time series plots of selected metals and field parameters for well CG-1-l





**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 3a. Time series plots of selected organic analytes and field parameters for well CG-1-S1

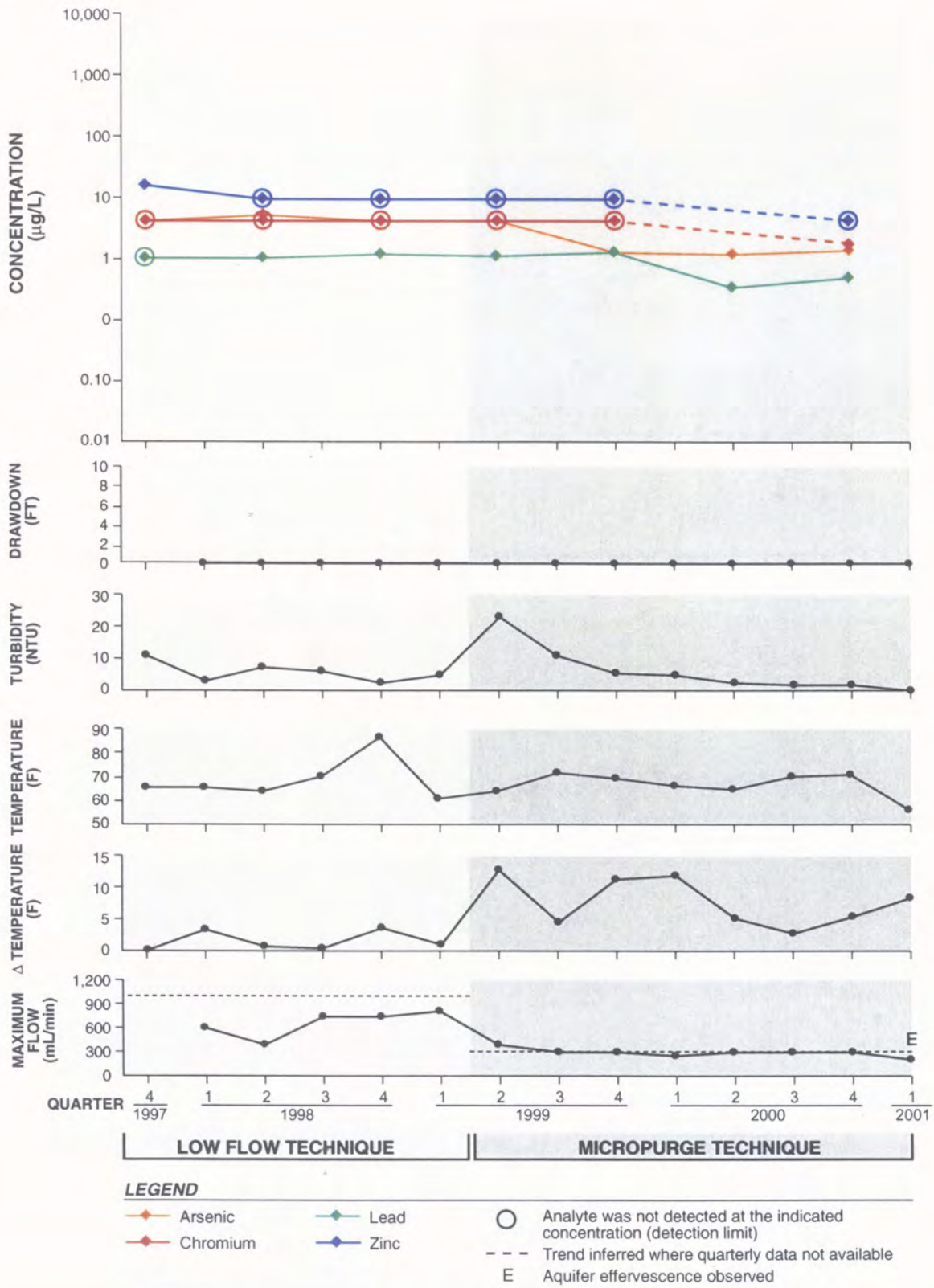


Figure 3b. Time series plots of selected metals and field parameters for well CG-1-S1



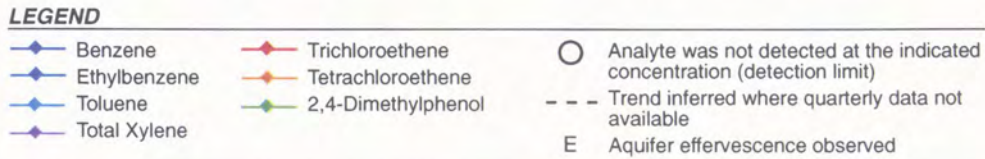
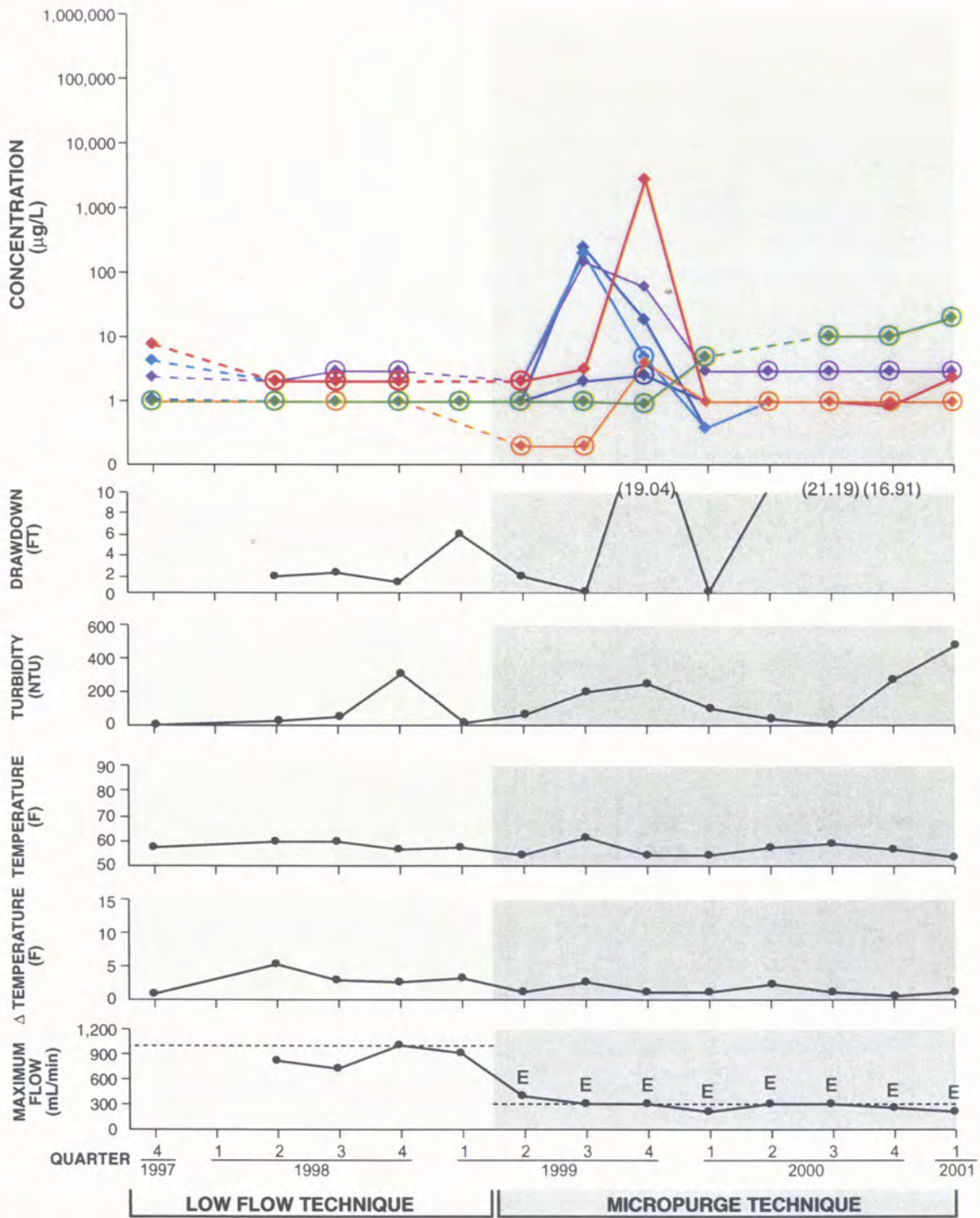


Figure 4a. Time series plots of selected organic analytes and field parameters for well CG-2-D



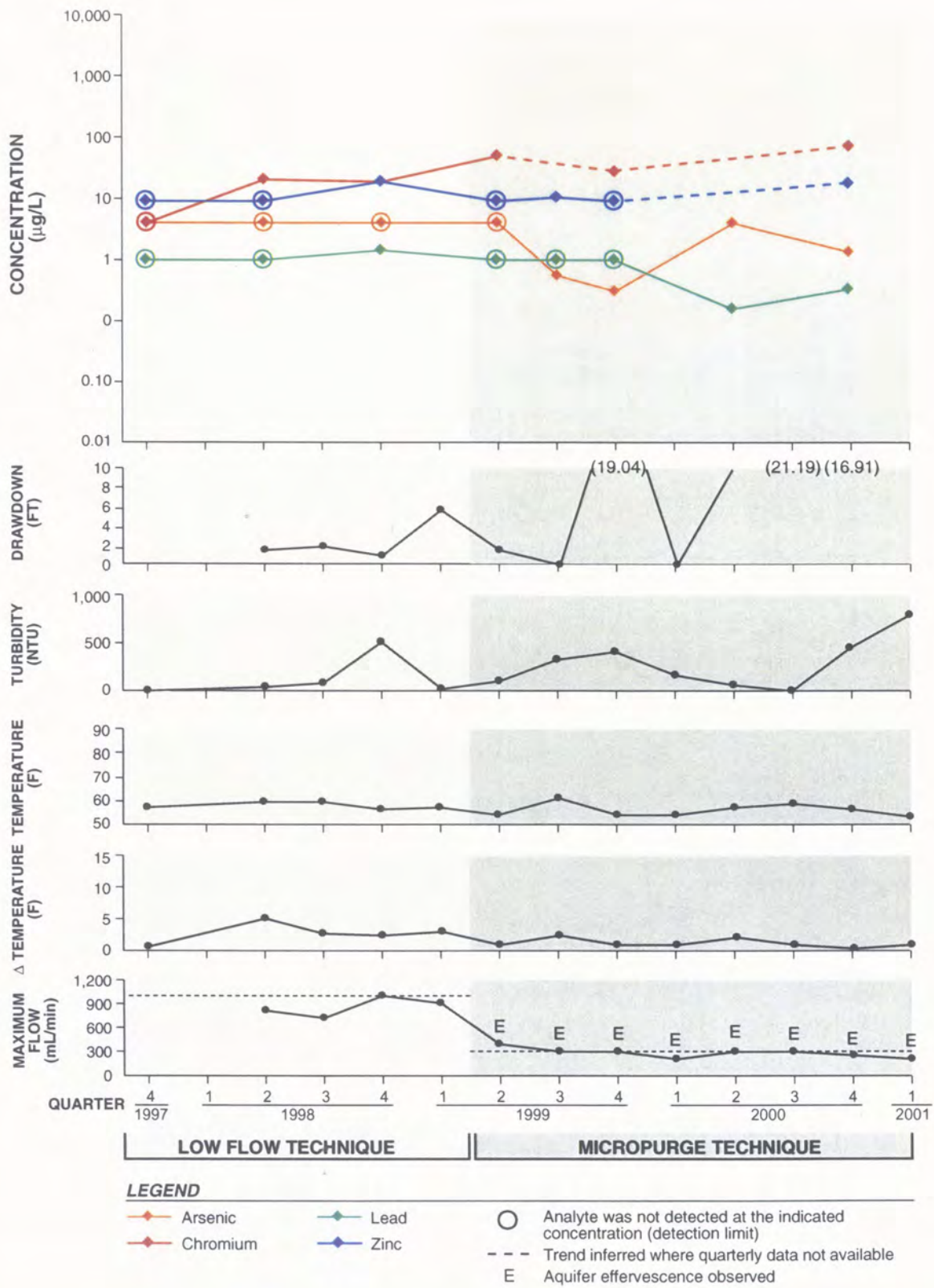
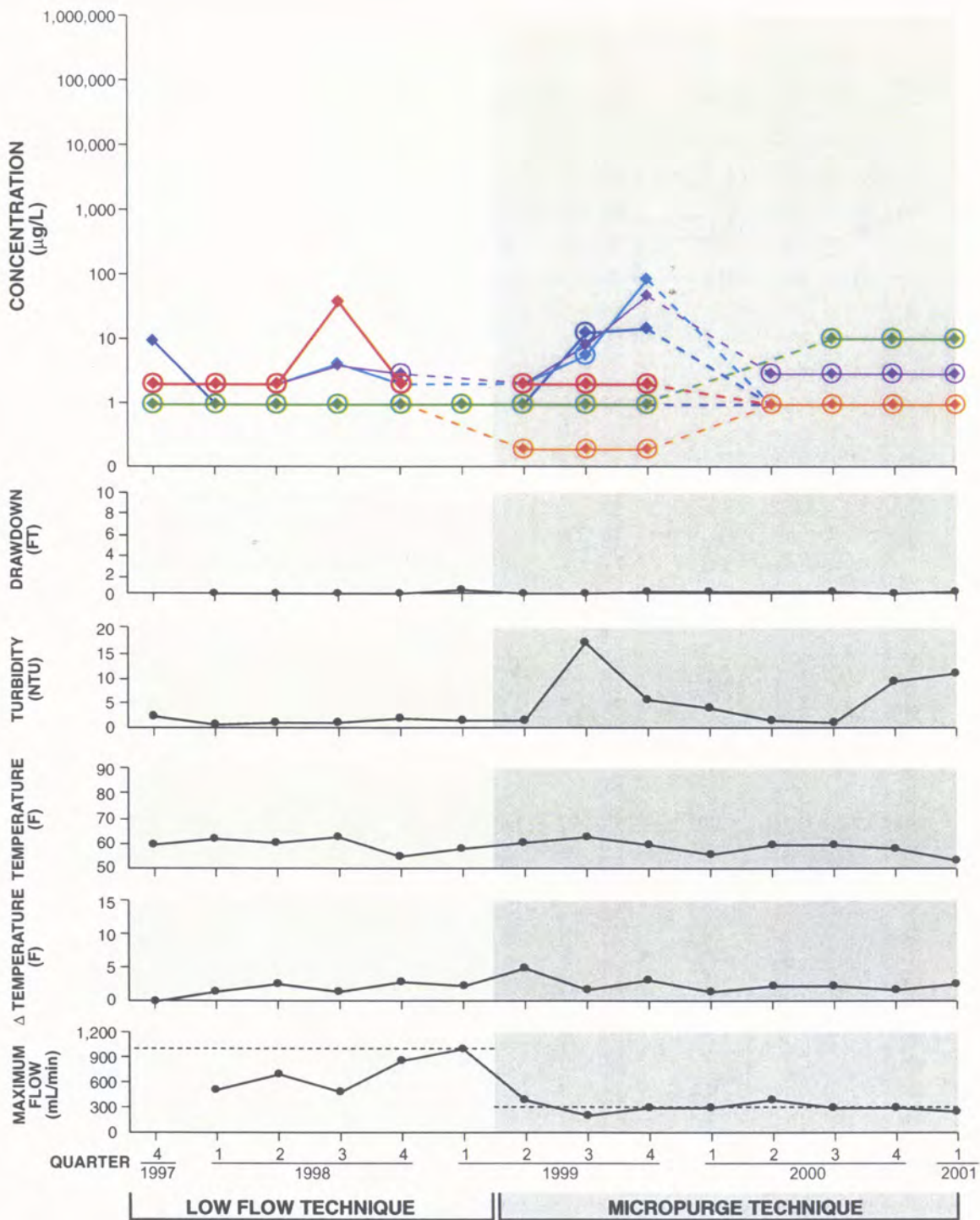


Figure 4b. Time series plots of selected metals and field parameters for well CG-2-D



- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 5a. Time series plots of selected organic analytes and field parameters for well CG-2-1



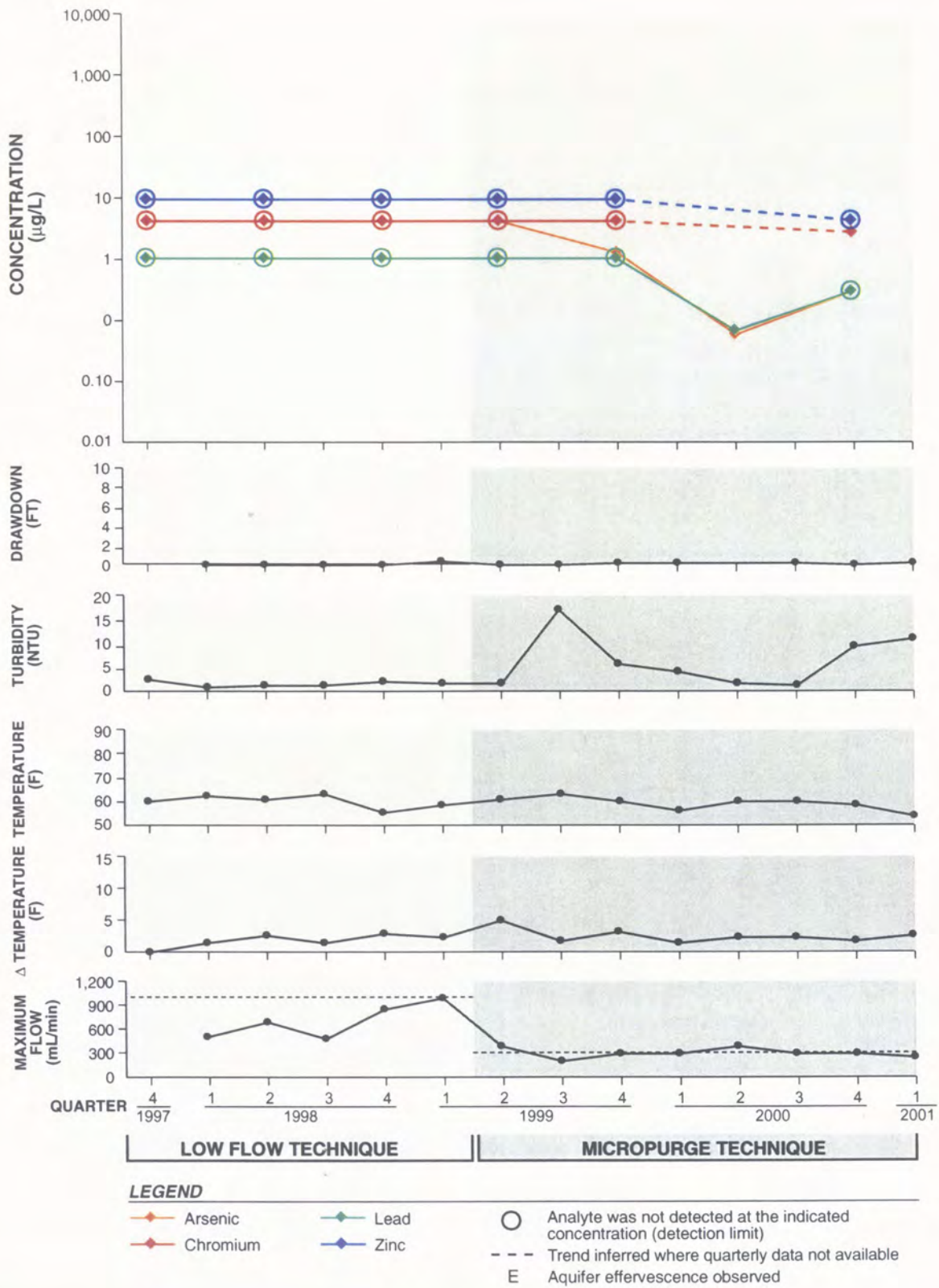
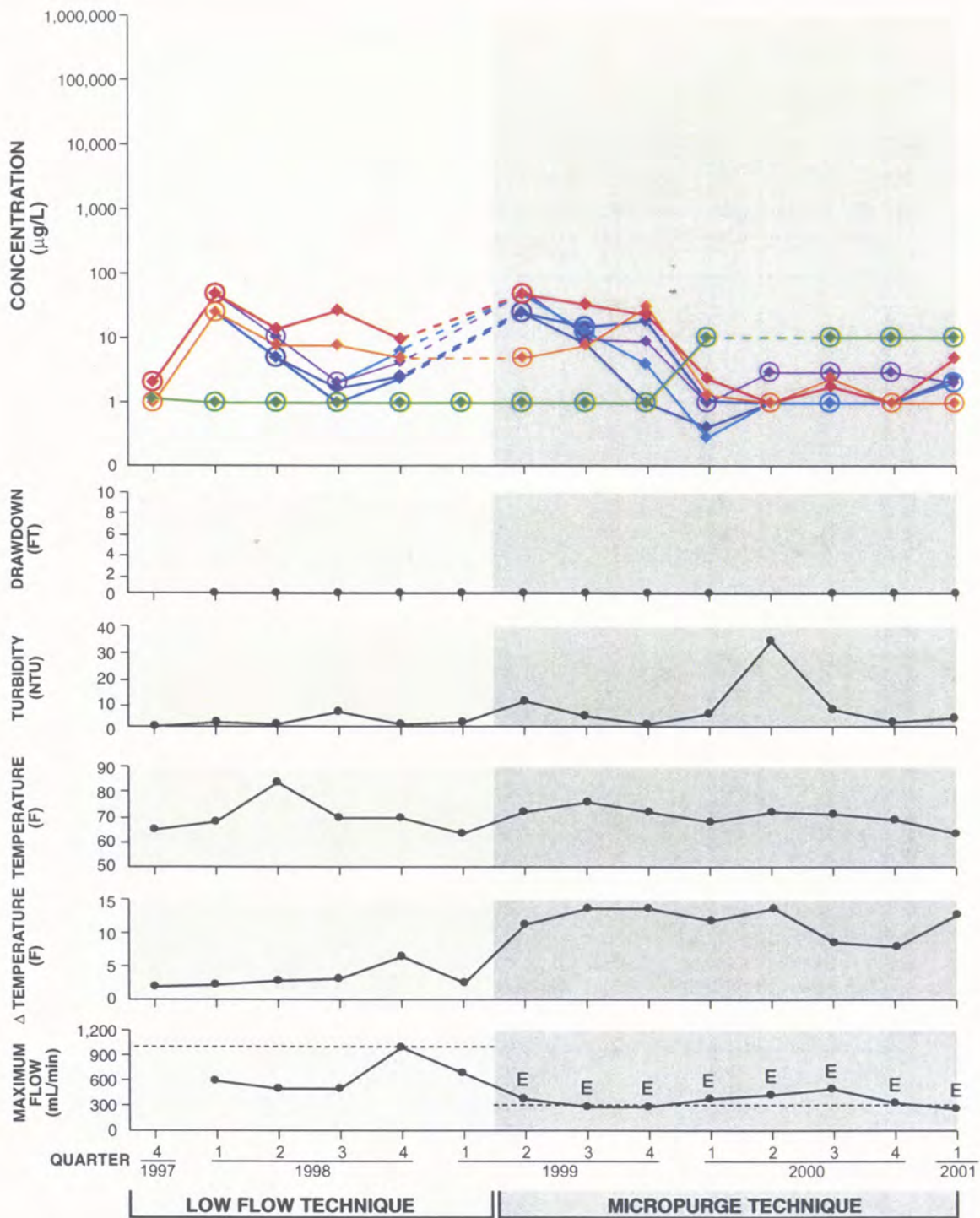


Figure 5b. Time series plots of selected metals and field parameters for well CG-2-1



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 6a. Time series plots of selected organic analytes and field parameters for well CG-2-S1



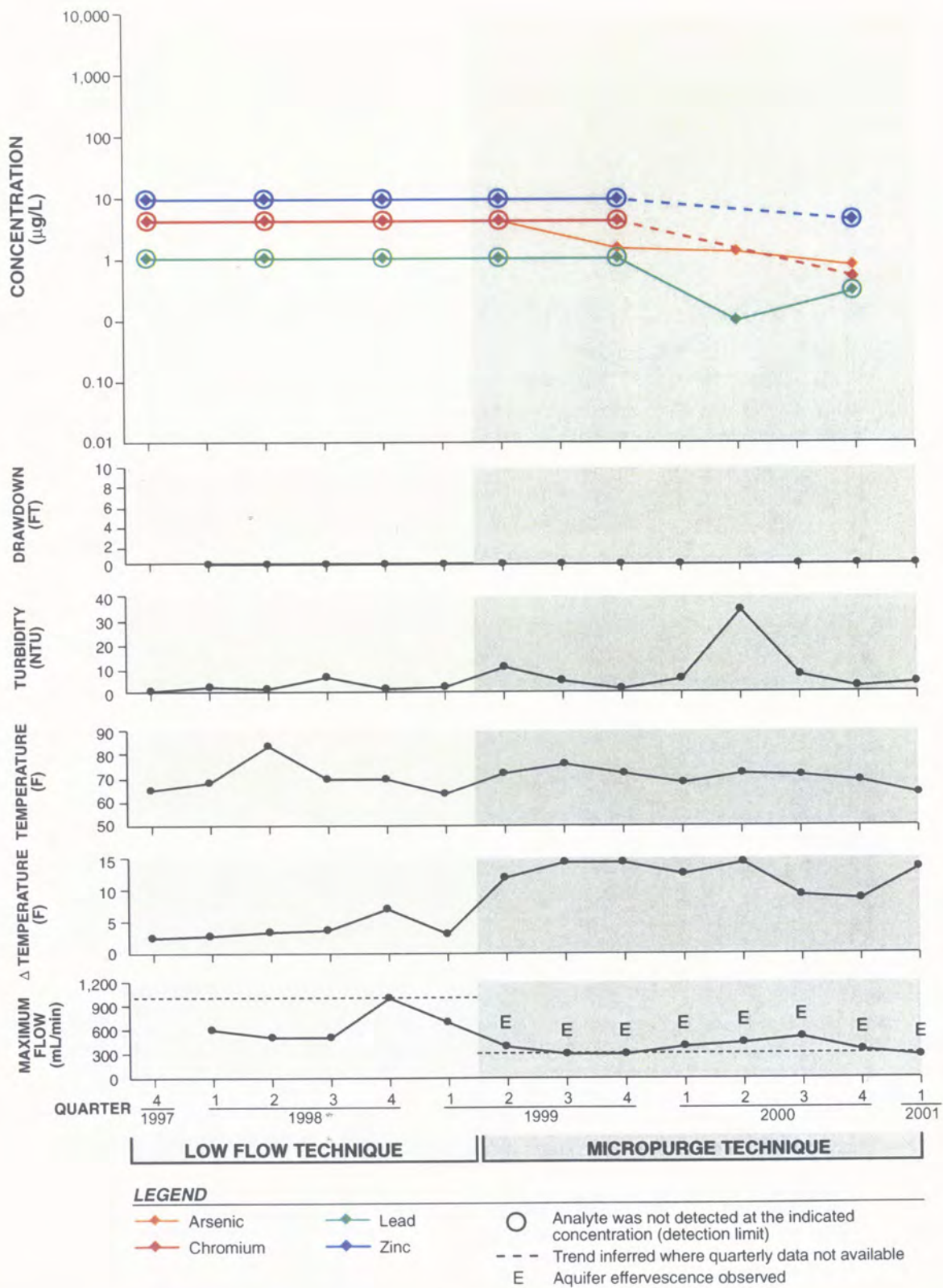
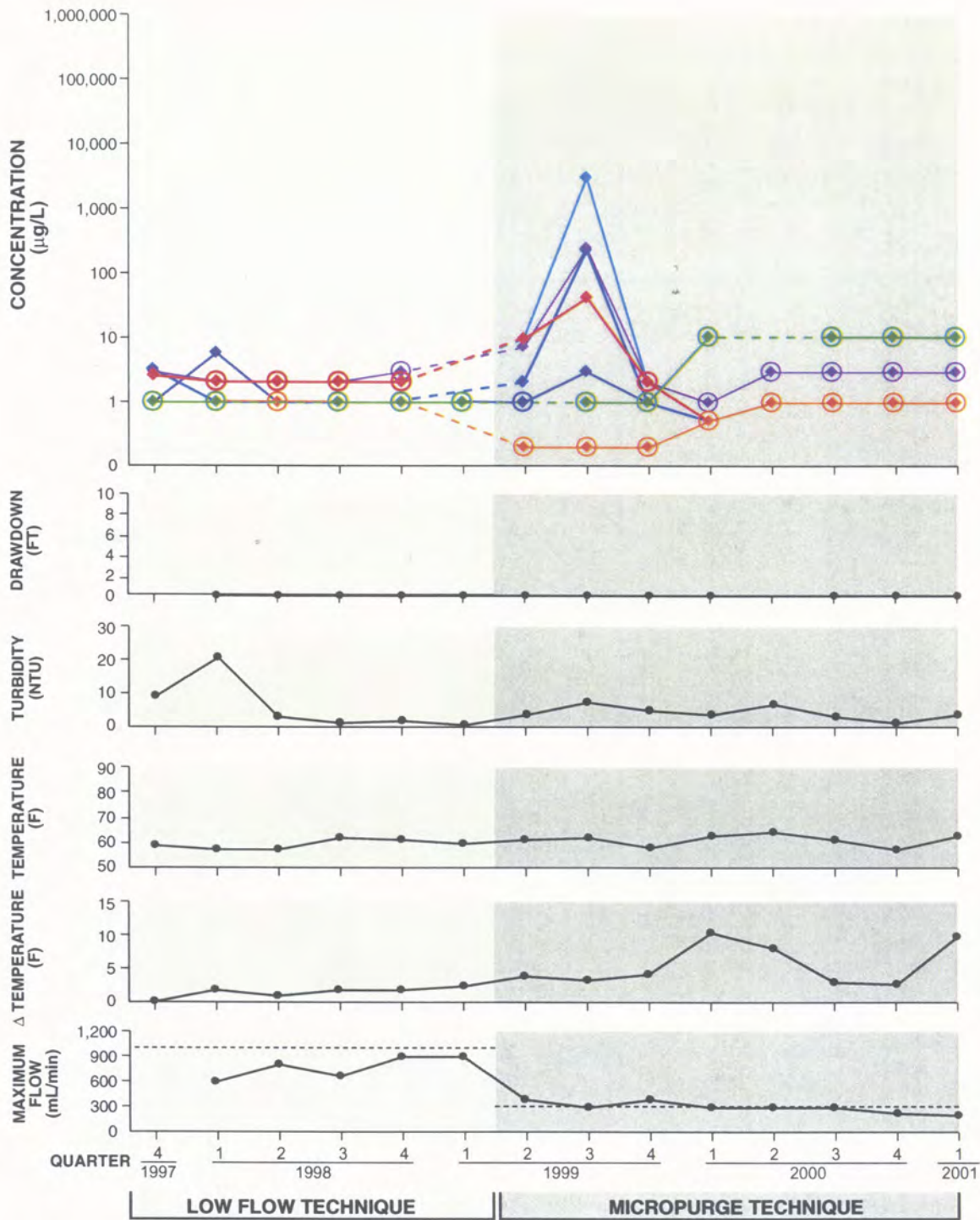


Figure 6b. Time series plots of selected metals and field parameters for well CG-2-S1



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 7a. Time series plots of selected organic analytes and field parameters for well CG-3



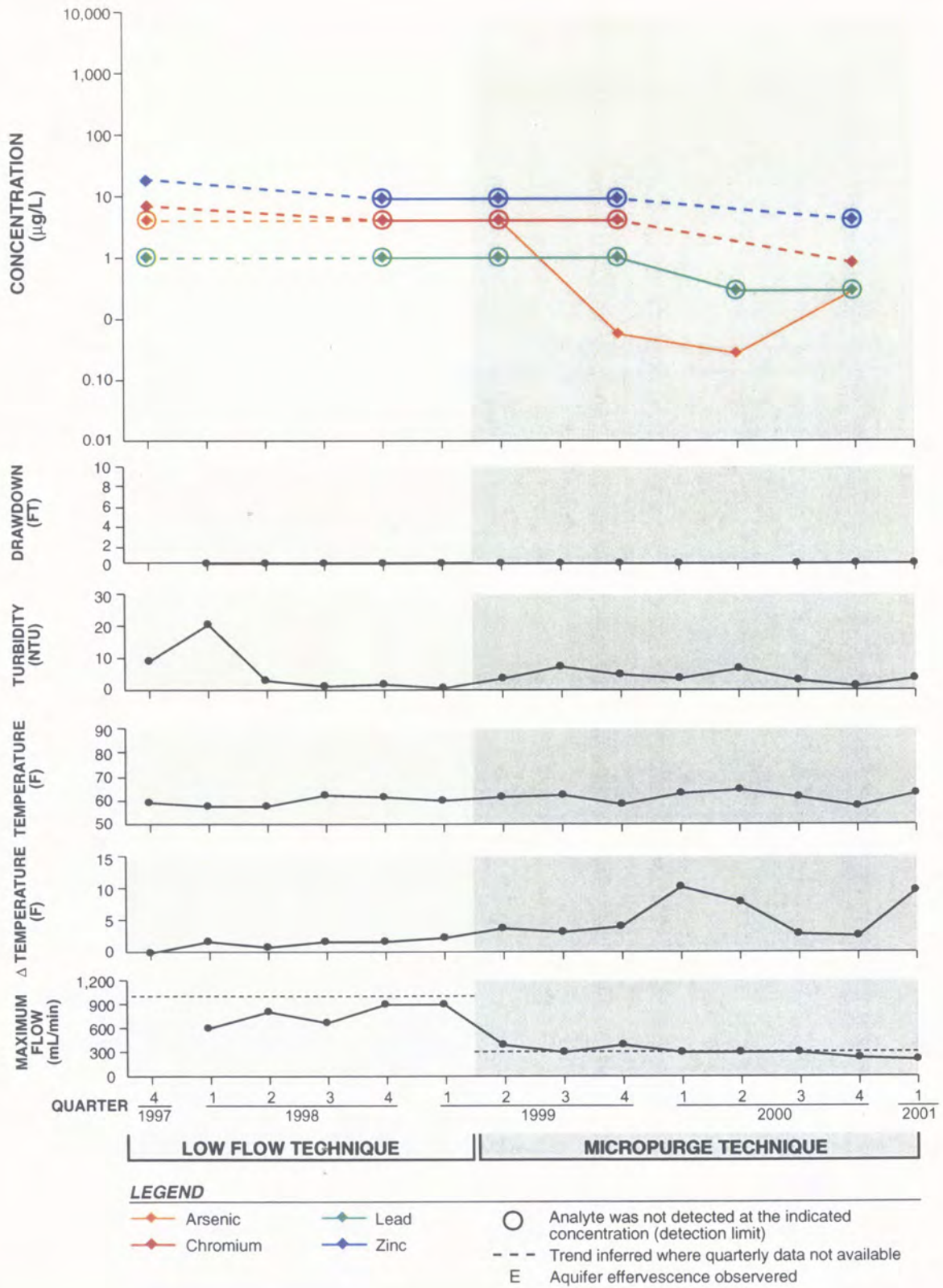
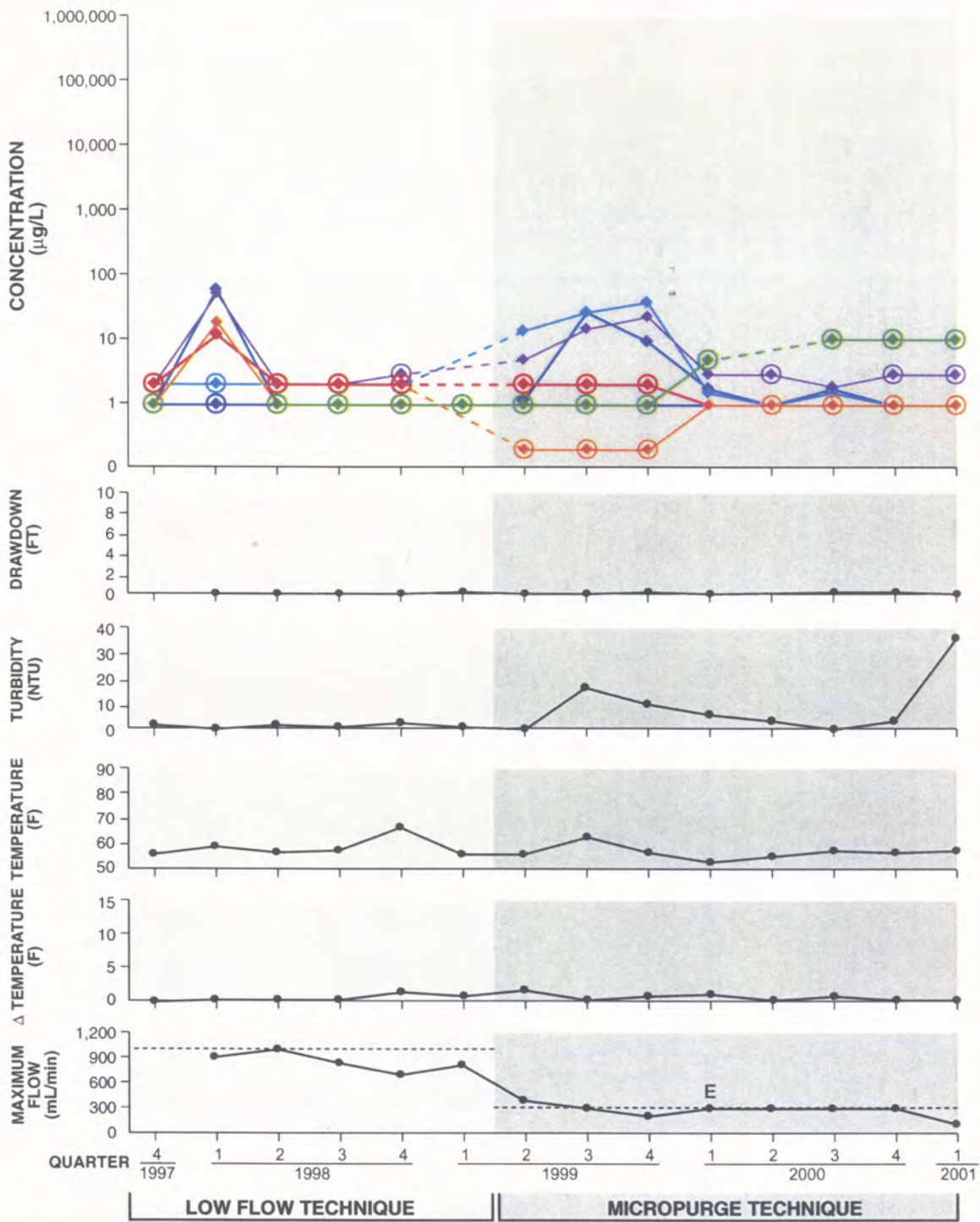


Figure 7b. Time series plots of selected metals and field parameters for well CG-3



- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 8a. Time series plots of selected organic analytes and field parameters for well CG-4-D



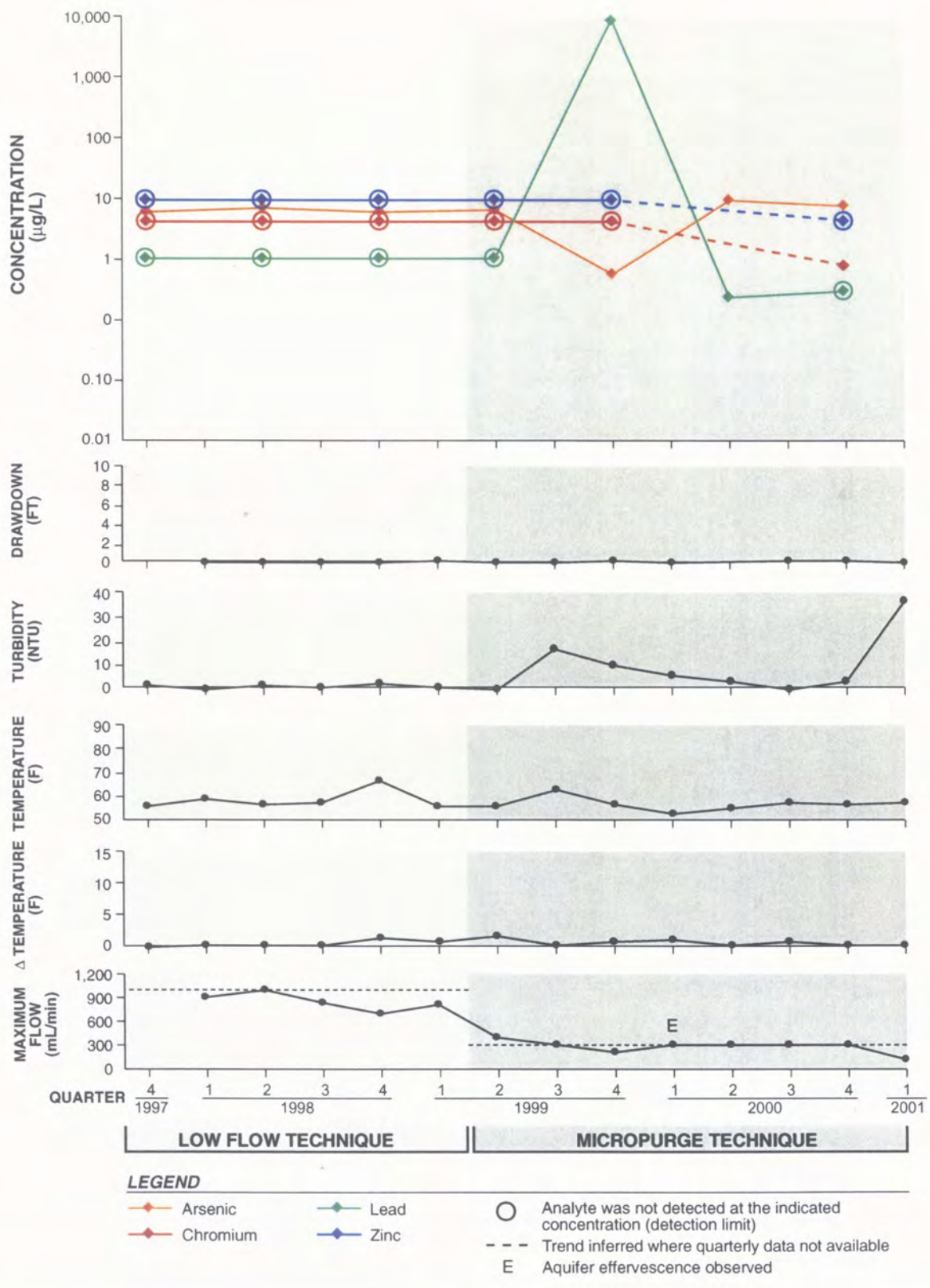


Figure 8b. Time series plots of selected metals and field parameters for well CG-4-D

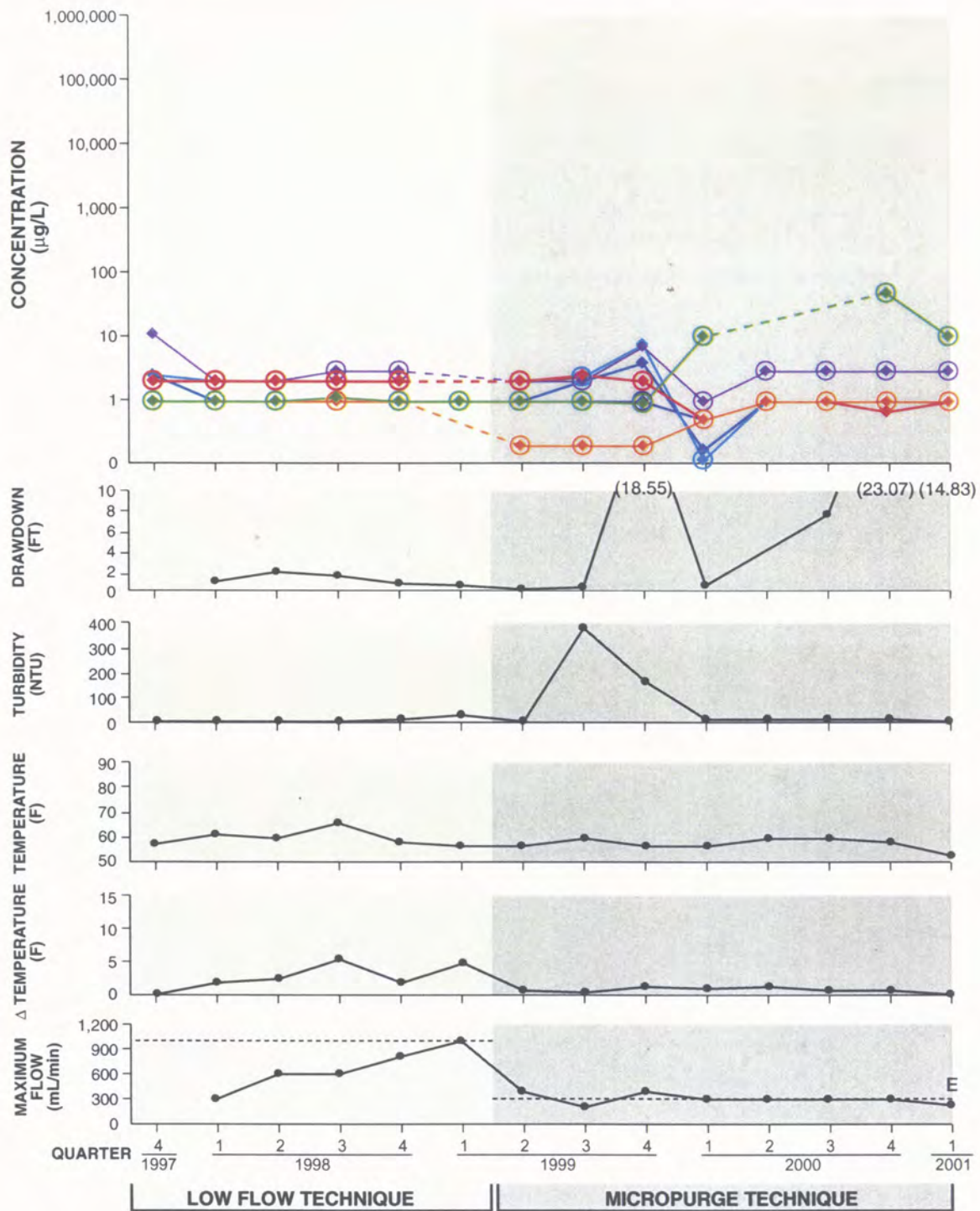


Figure 9a. Time series plots of selected organic analytes and field parameters for well CG-5-D



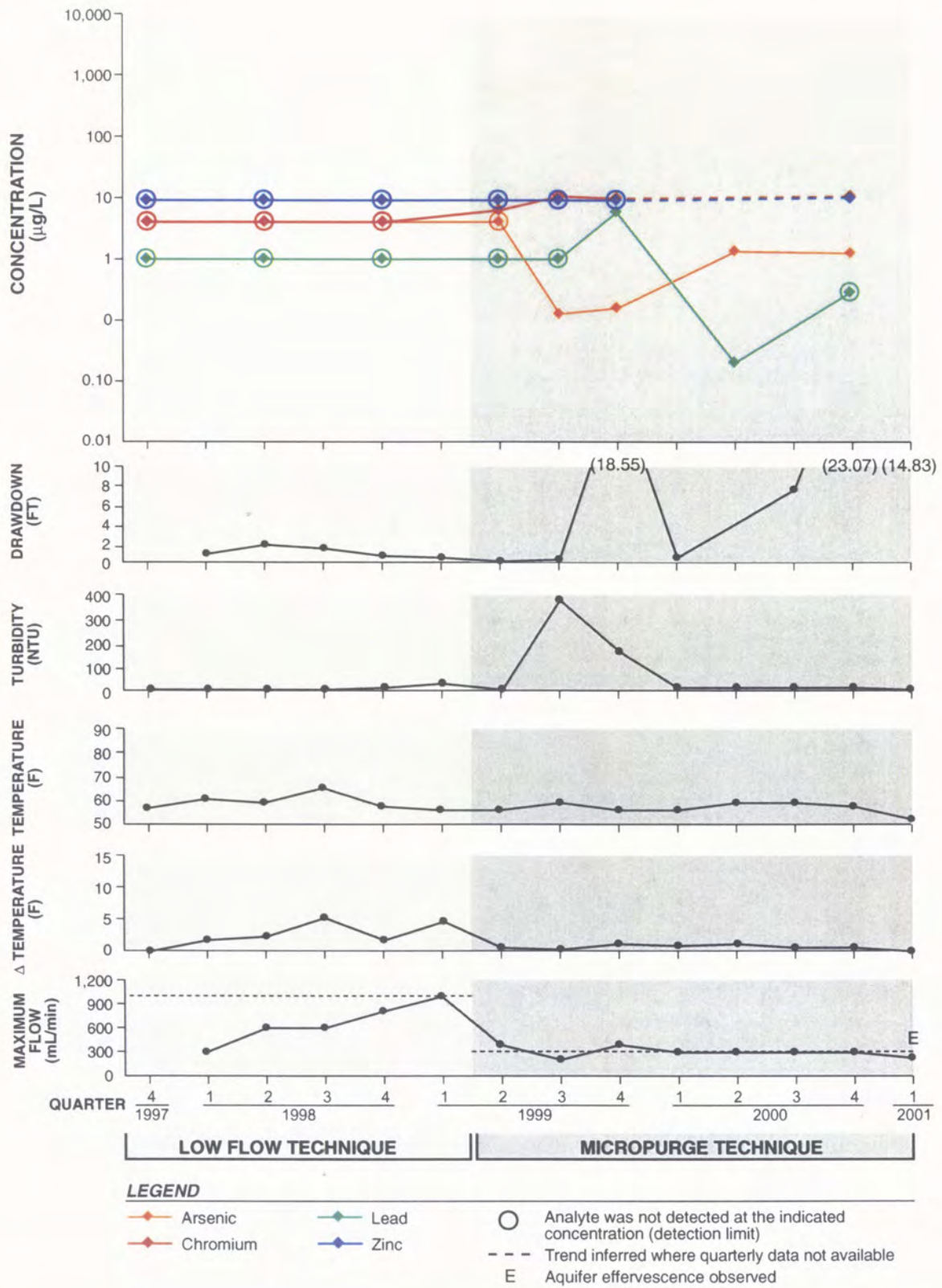
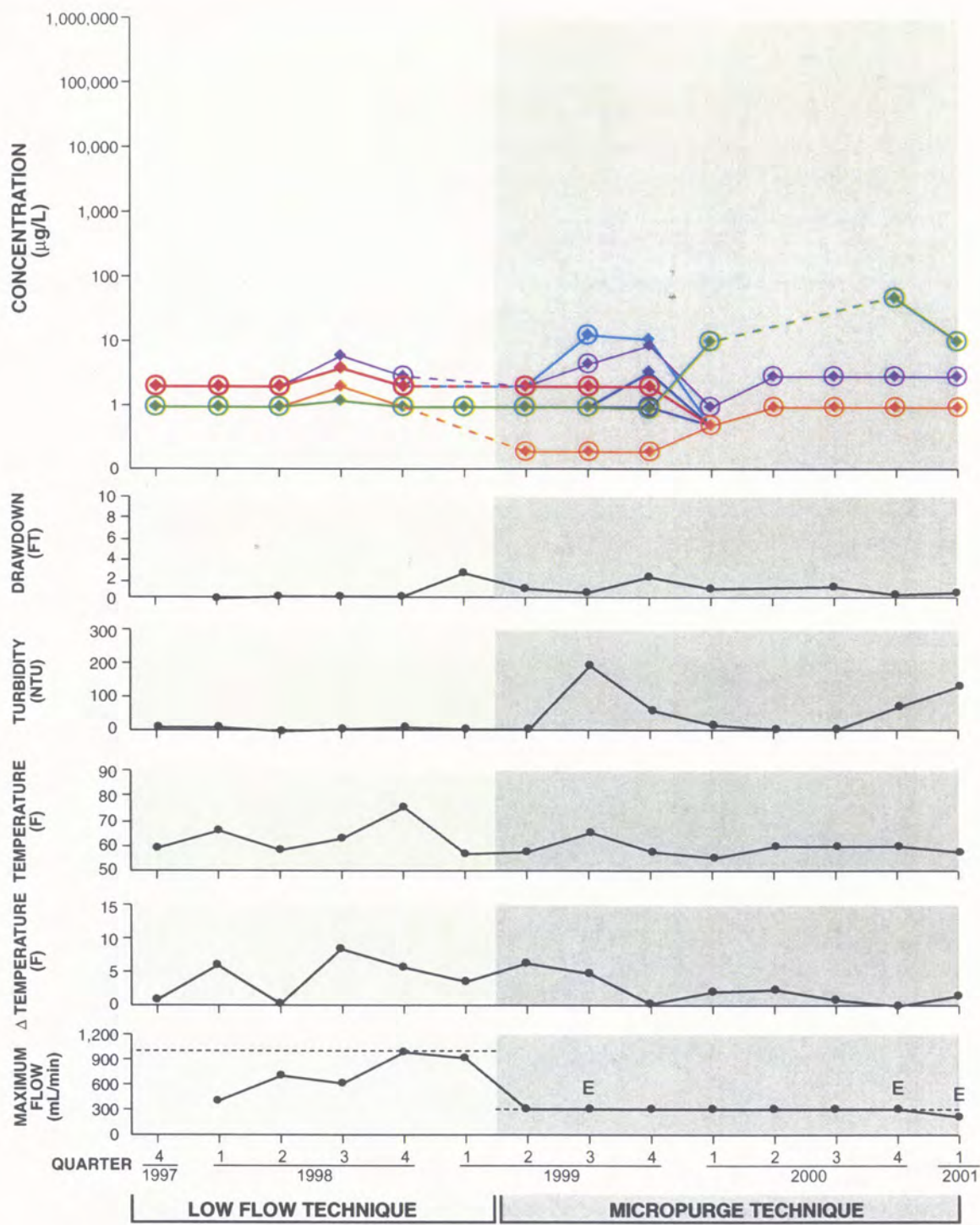


Figure 9b. Time series plots of selected metals and field parameters for well CG-5-D



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 10a. Time series plots of selected organic analytes and field parameters for well CG-5-1



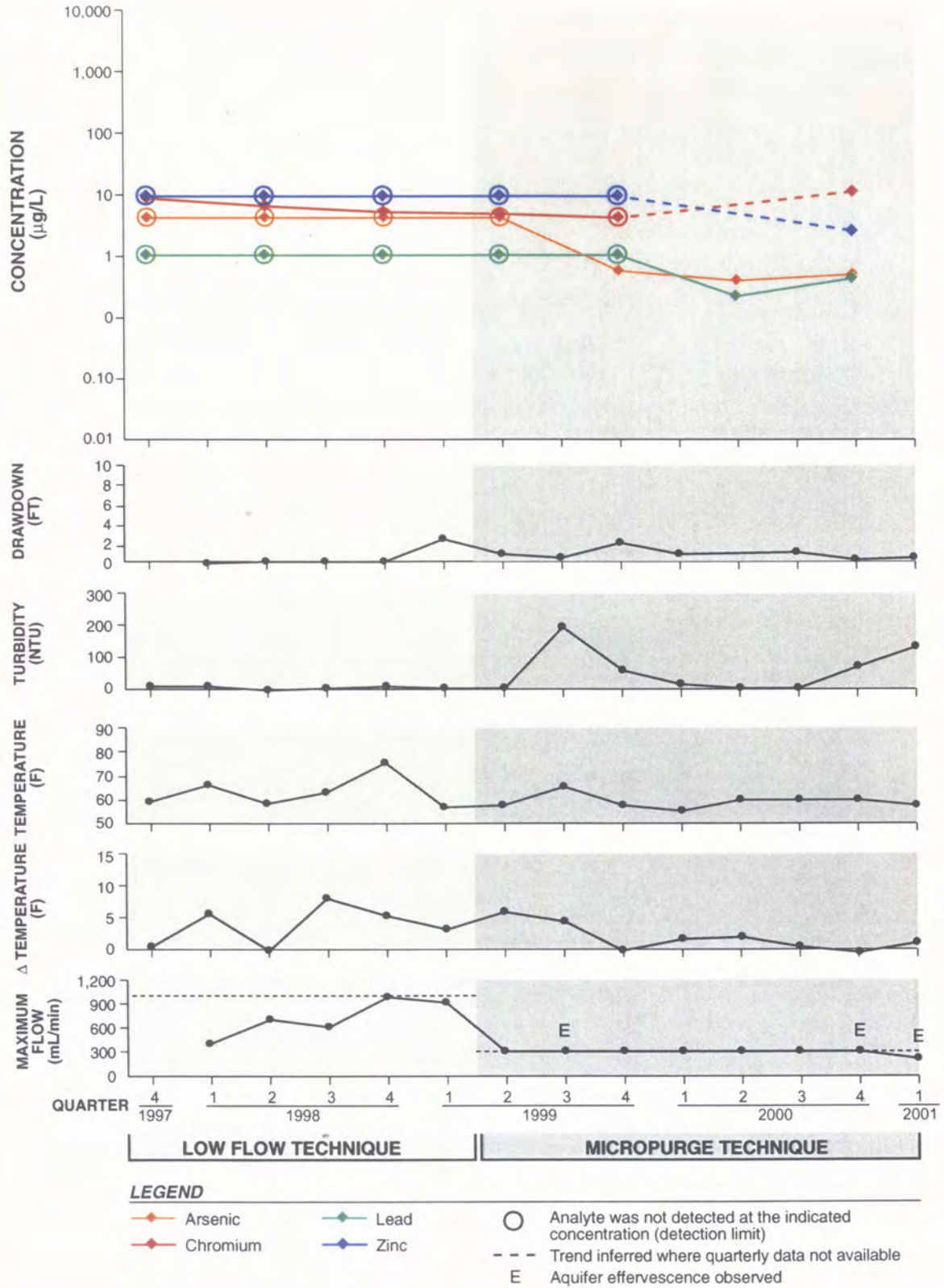
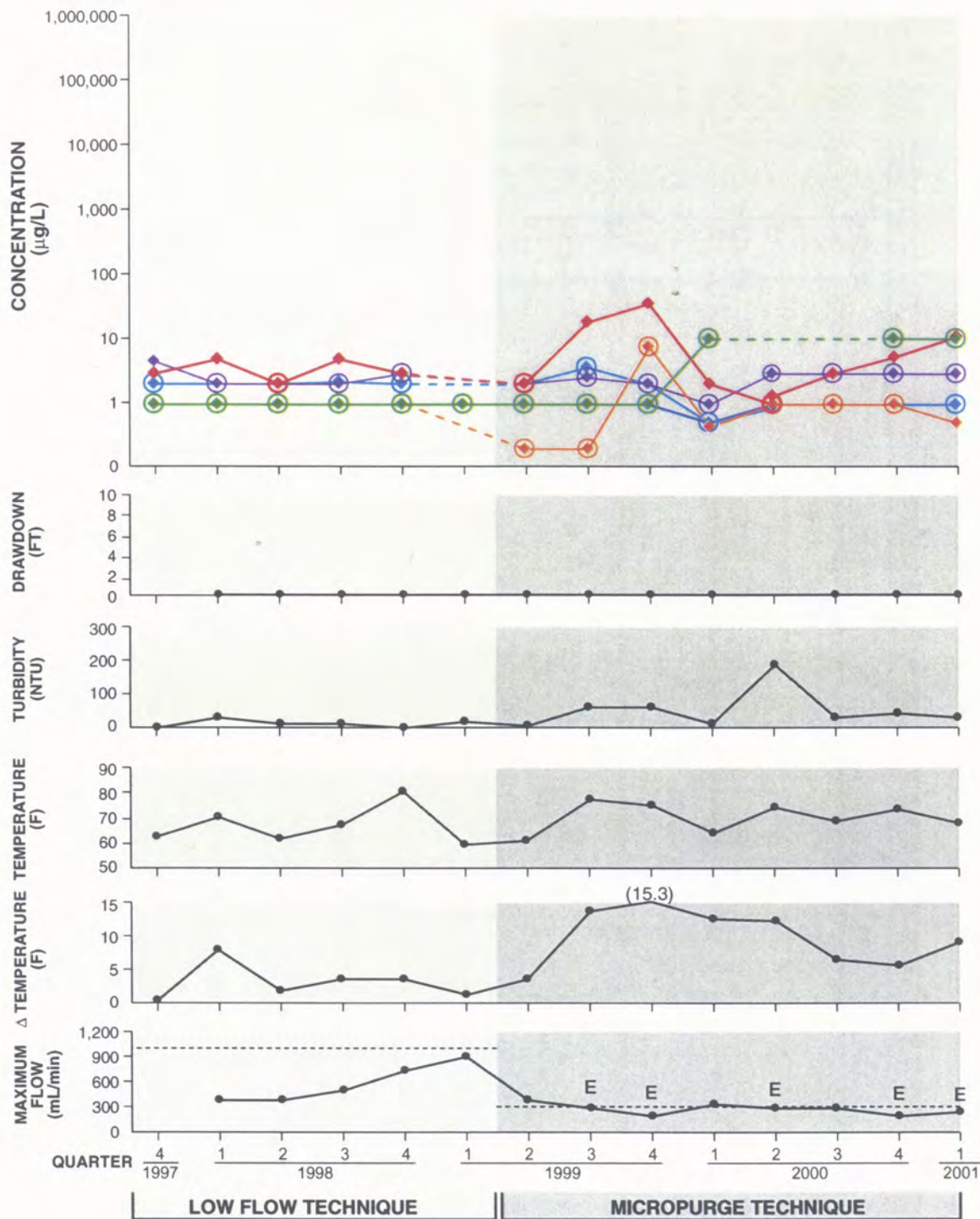


Figure 10b. Time series plots of selected metals and field parameters for well CG-5-1



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 11a. Time series plots of selected organic analytes and field parameters for well CG-5-S1



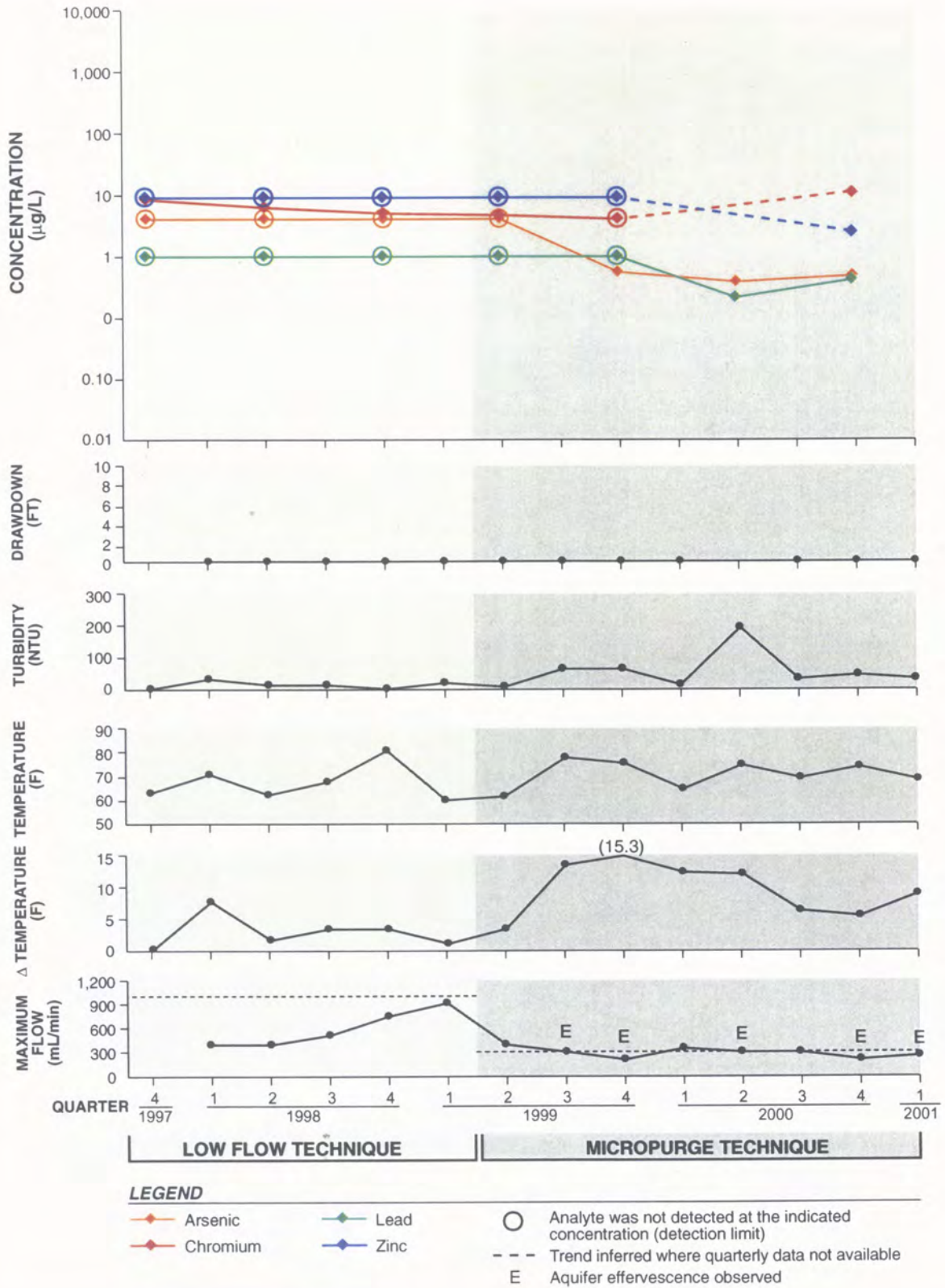
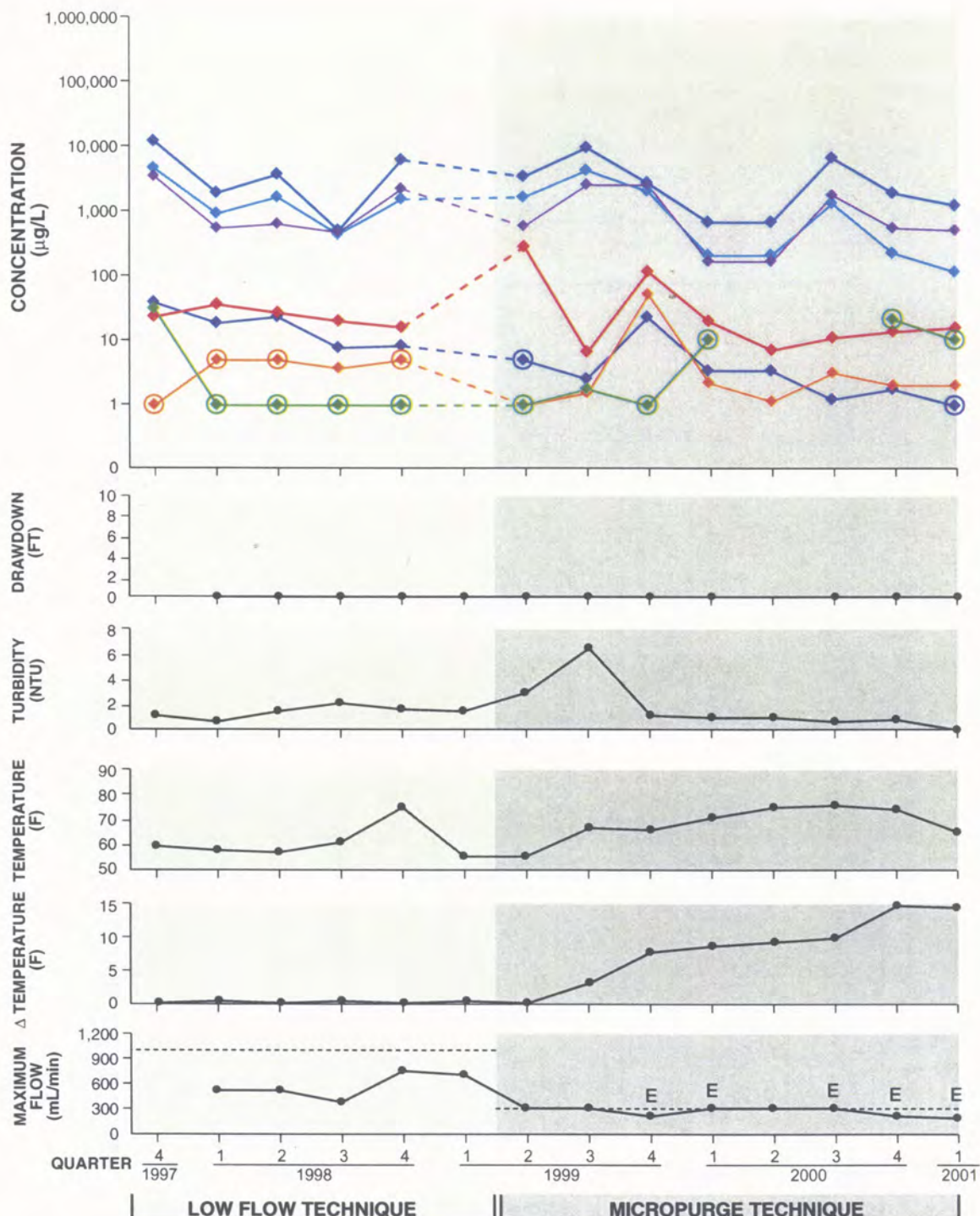


Figure 11b. Time series plots of selected metals and field parameters for well CG-5-S1



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 12a. Time series plots of selected organic analytes and field parameters for well CG-6-S1



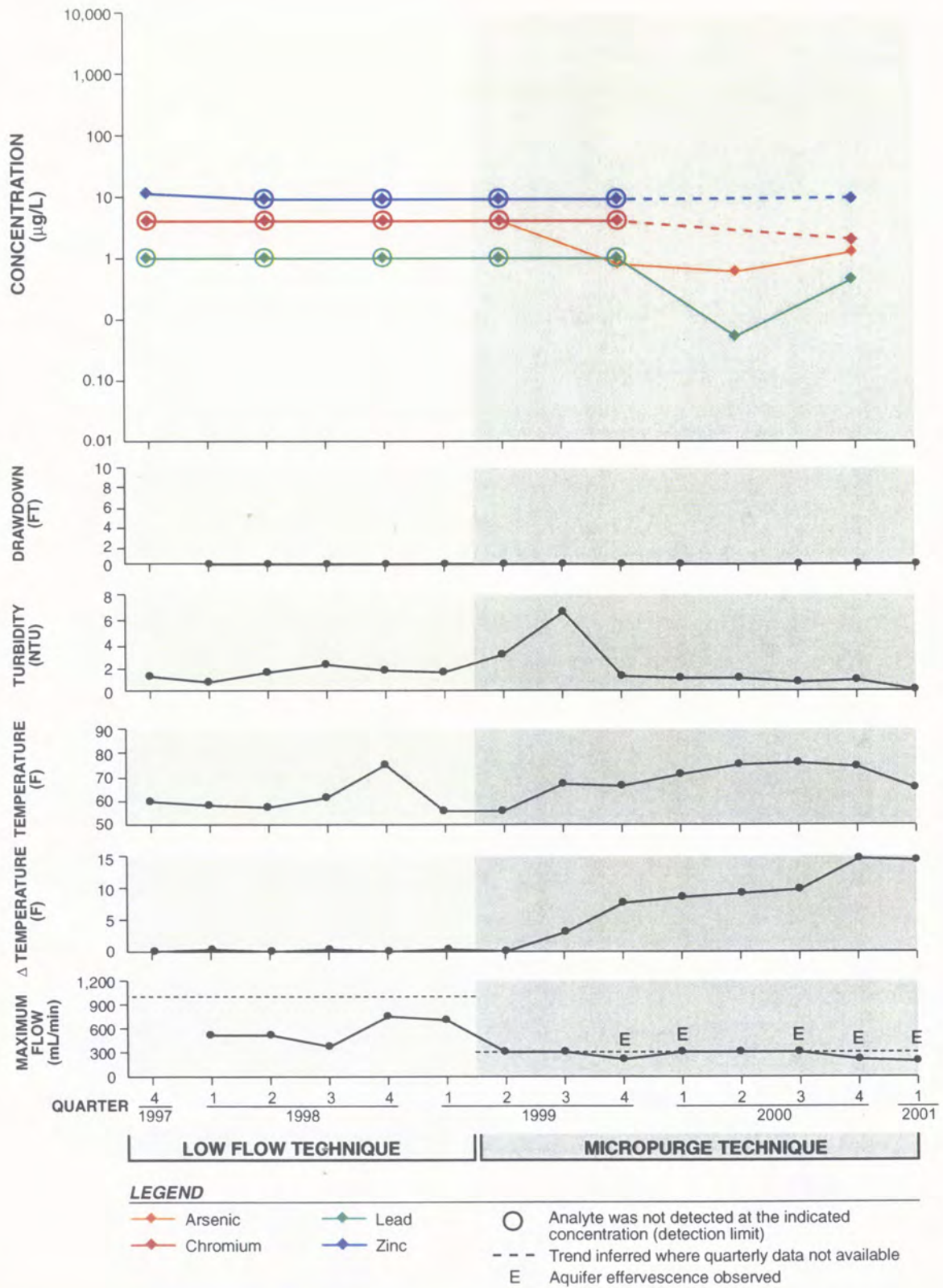
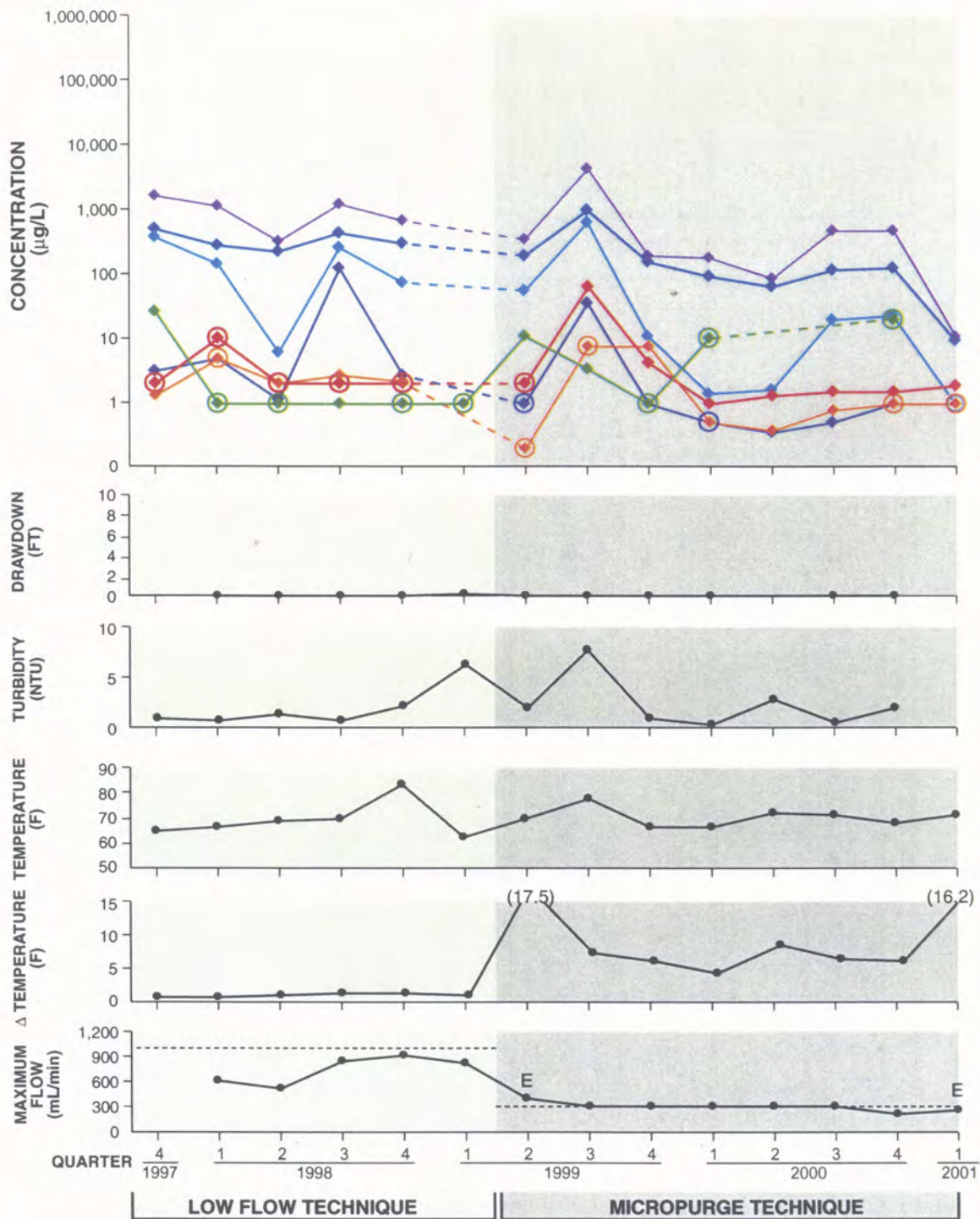


Figure 12b. Time series plots of selected metals and field parameters for well CG-6-S1



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 13a. Time series plots of selected organic analytes and field parameters for well CG-7-S1



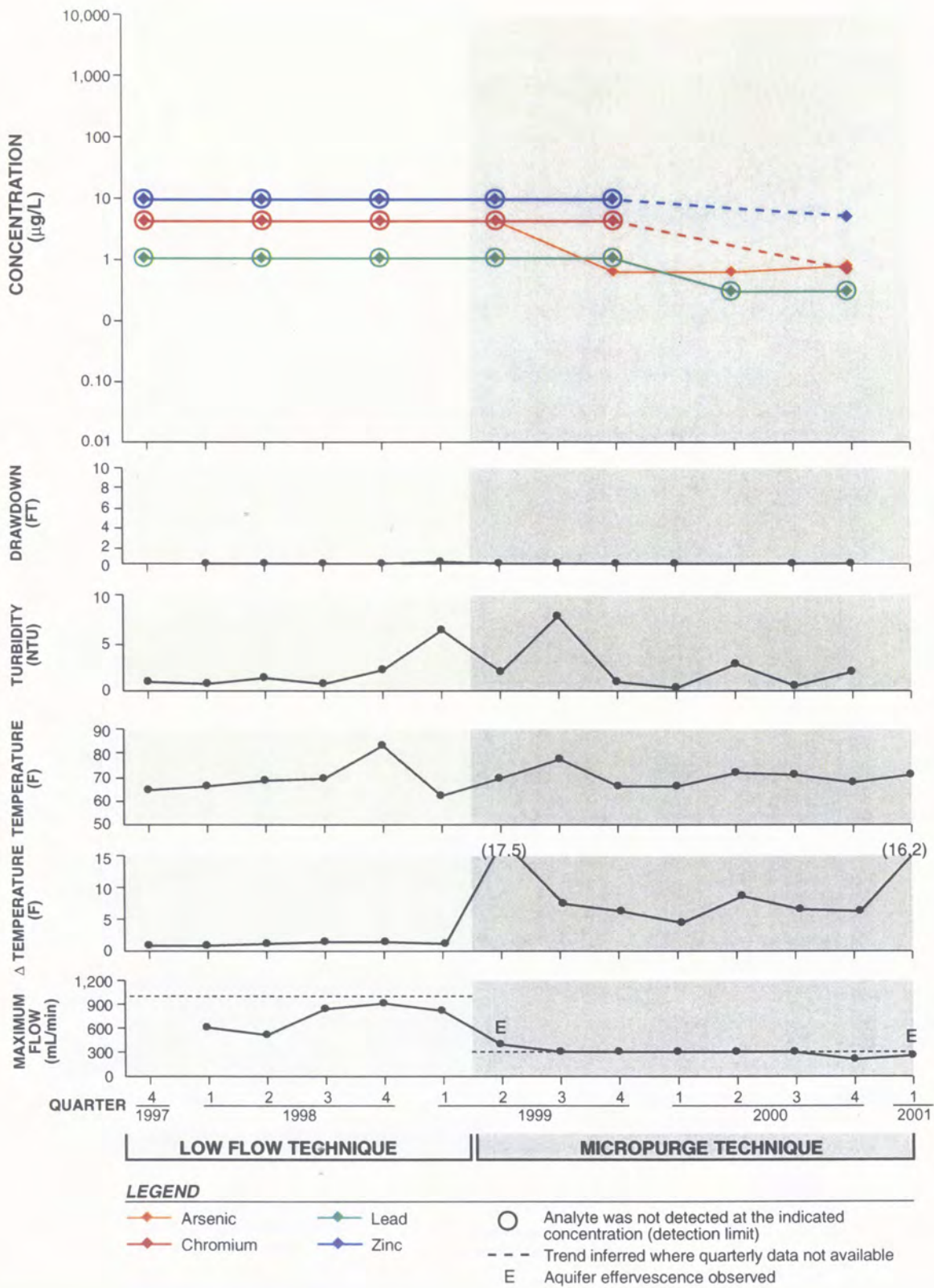
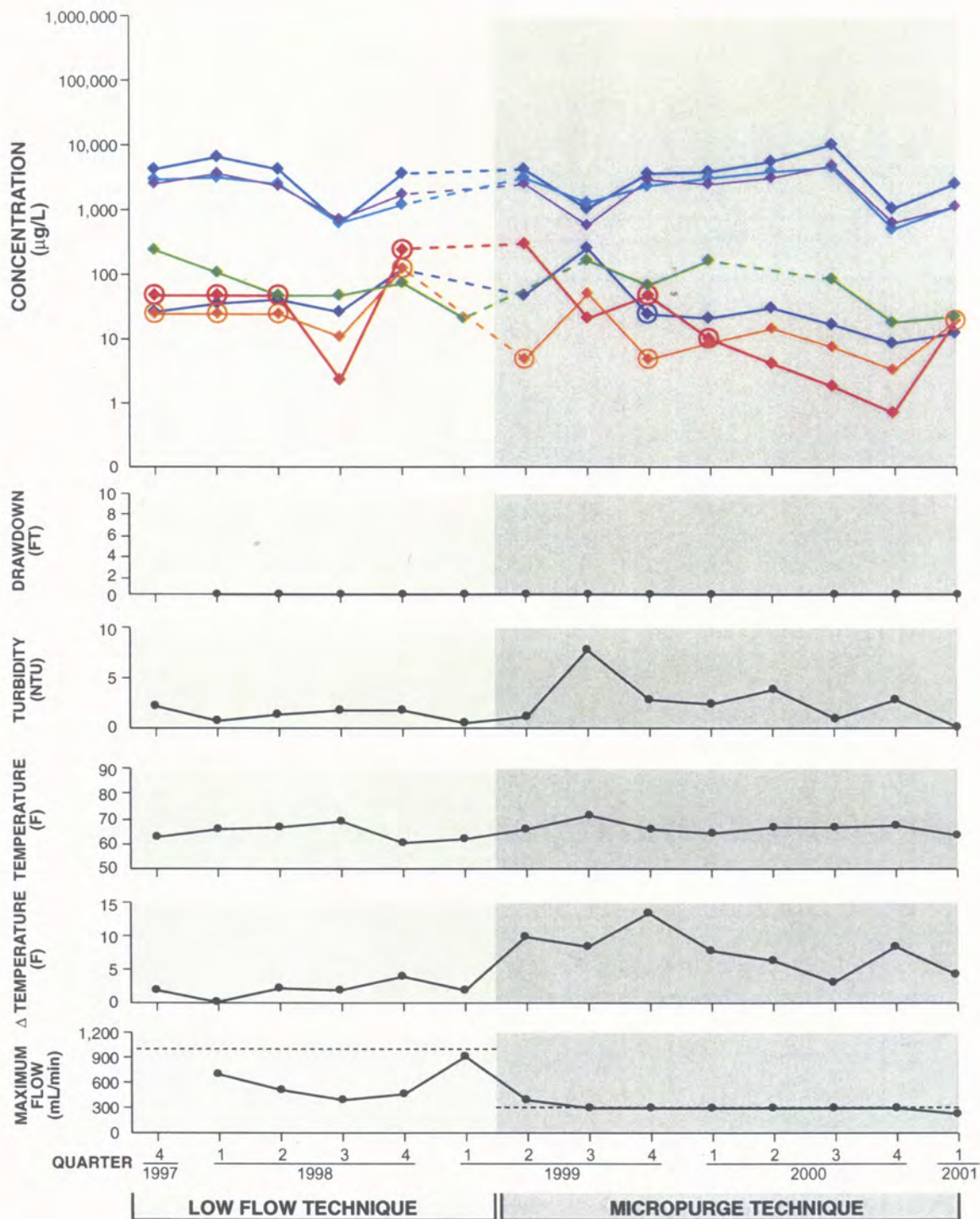


Figure 13b. Time series plots of selected metals and field parameters for well CG-7-S1



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 14a. Time series plots of selected organic analytes and field parameters for well CG-8-S1



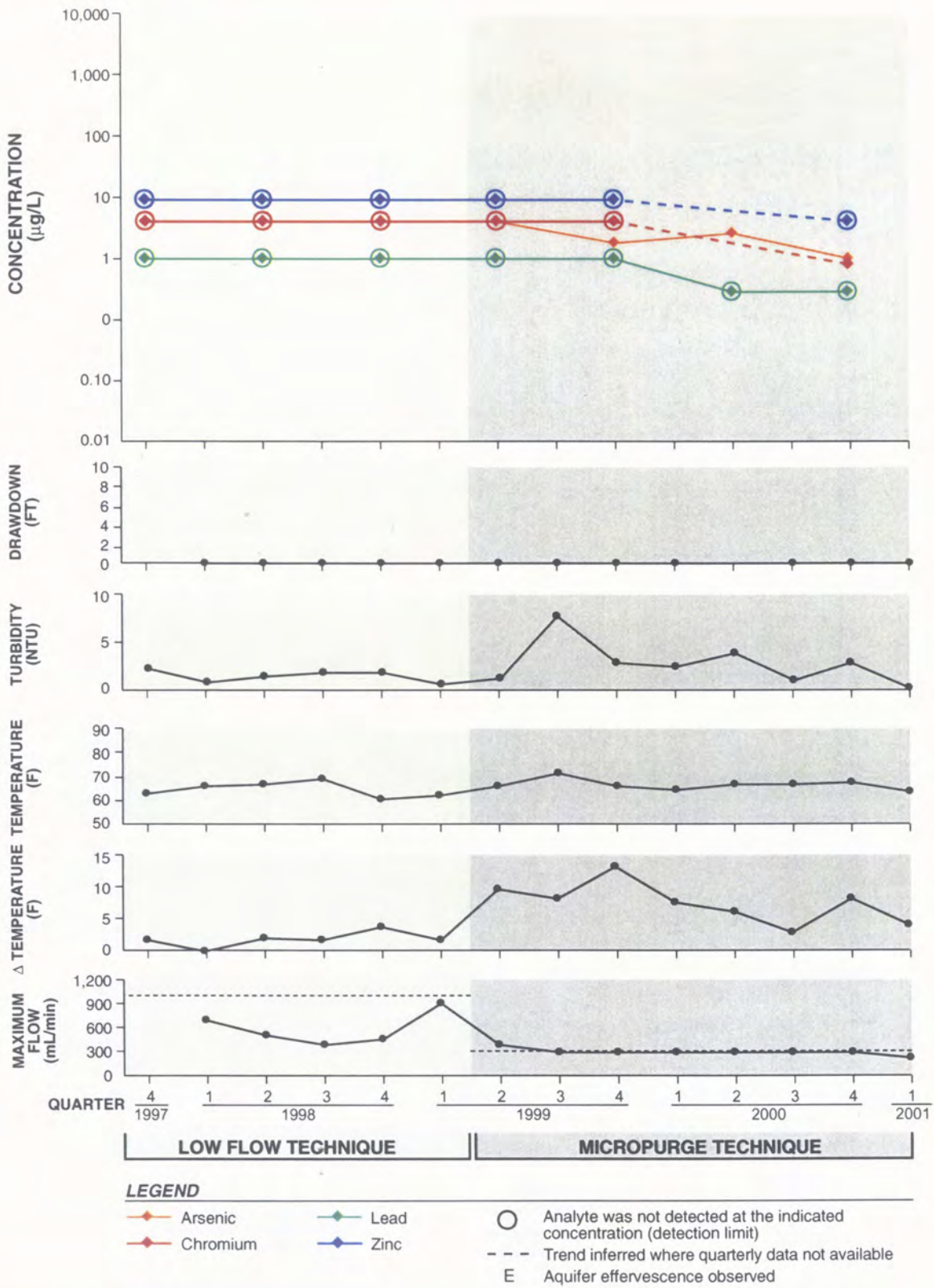


Figure 14b. Time series plots of selected metals and field parameters for well CG-8-S1

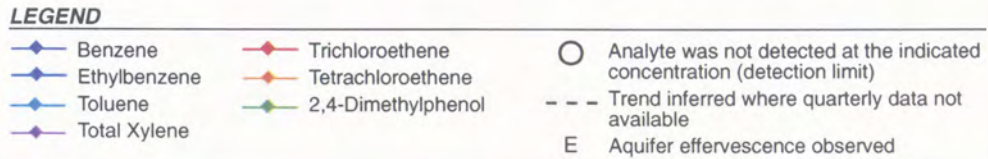
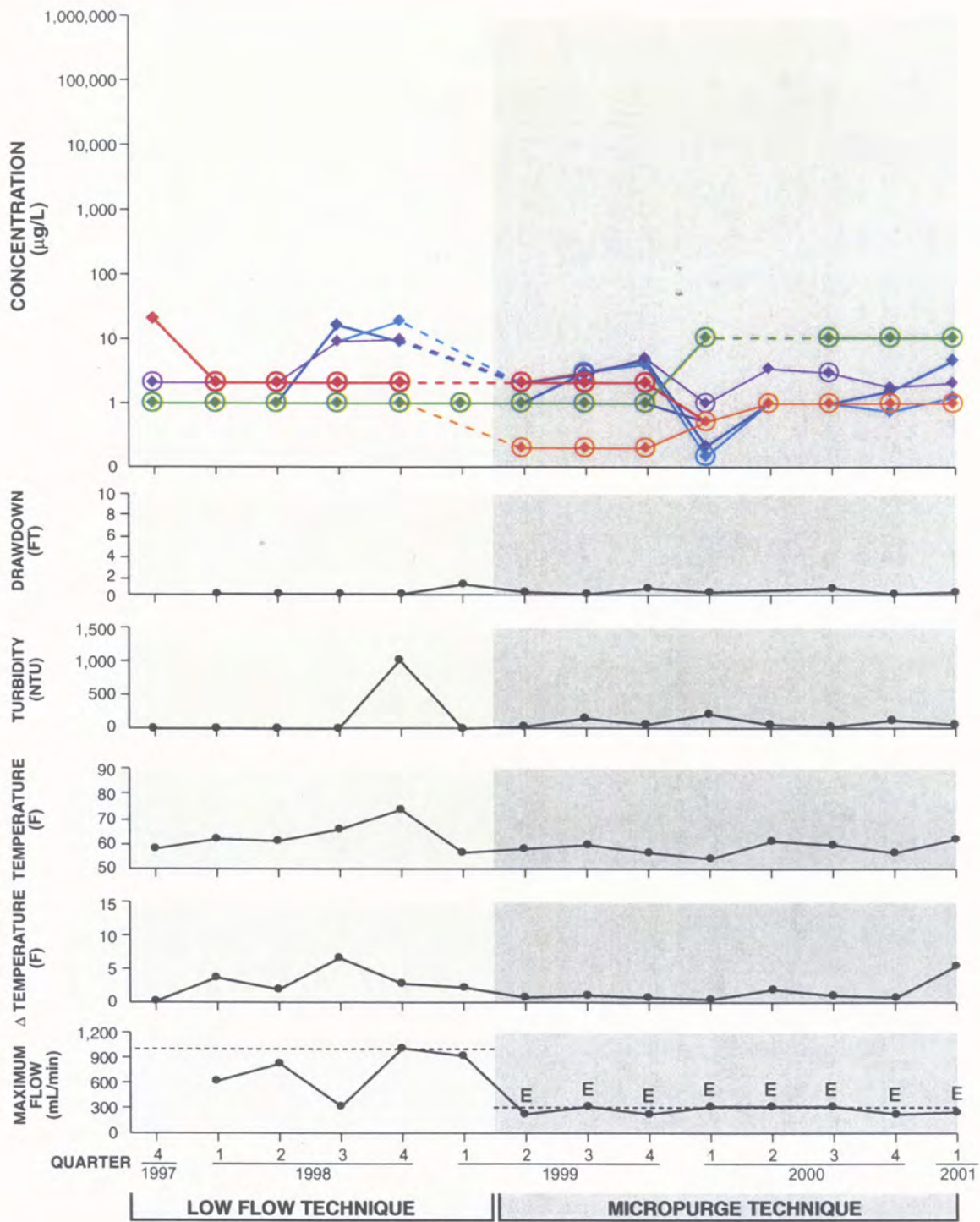
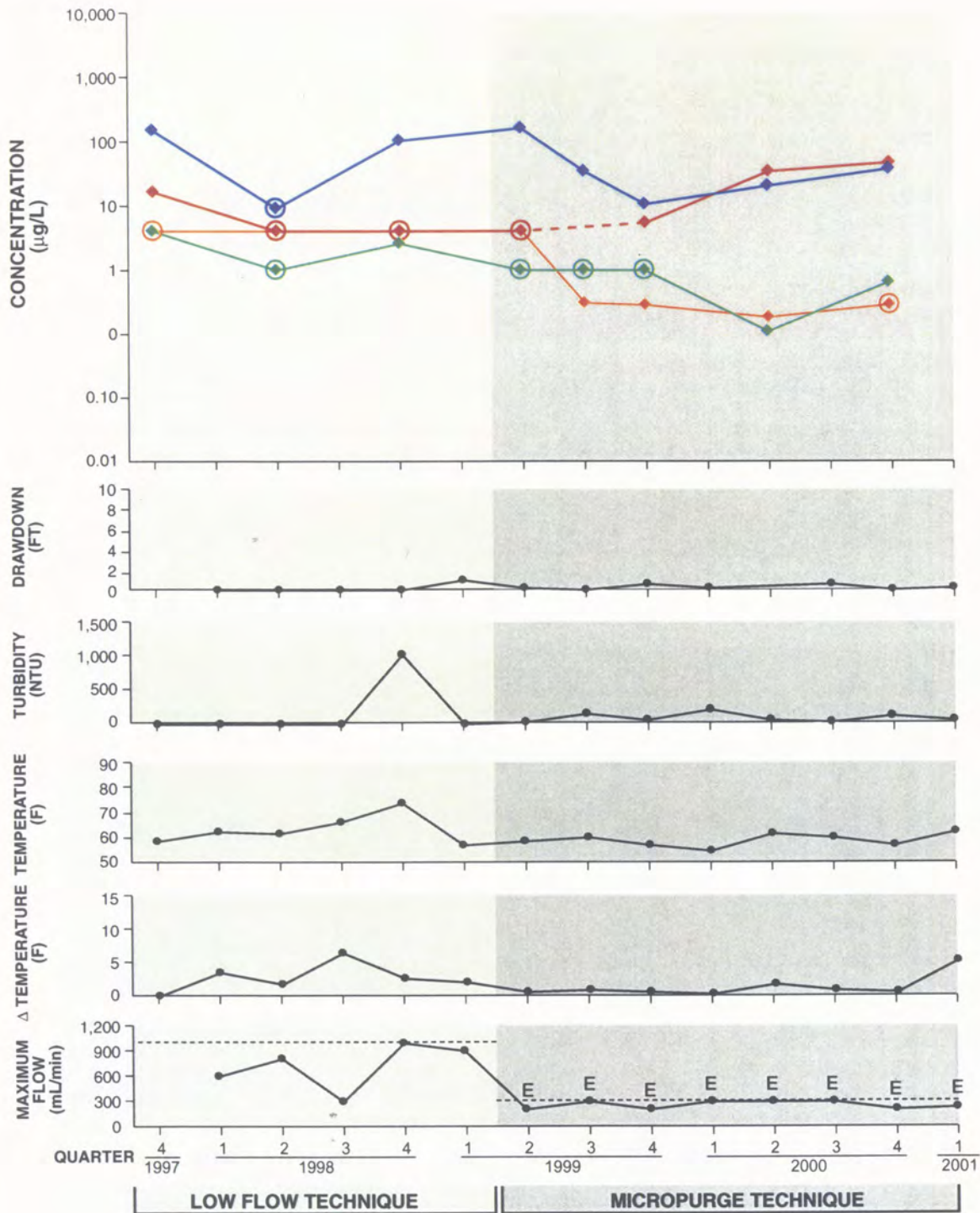


Figure 15a. Time series plots of selected organic analytes and field parameters for well CG-9-1

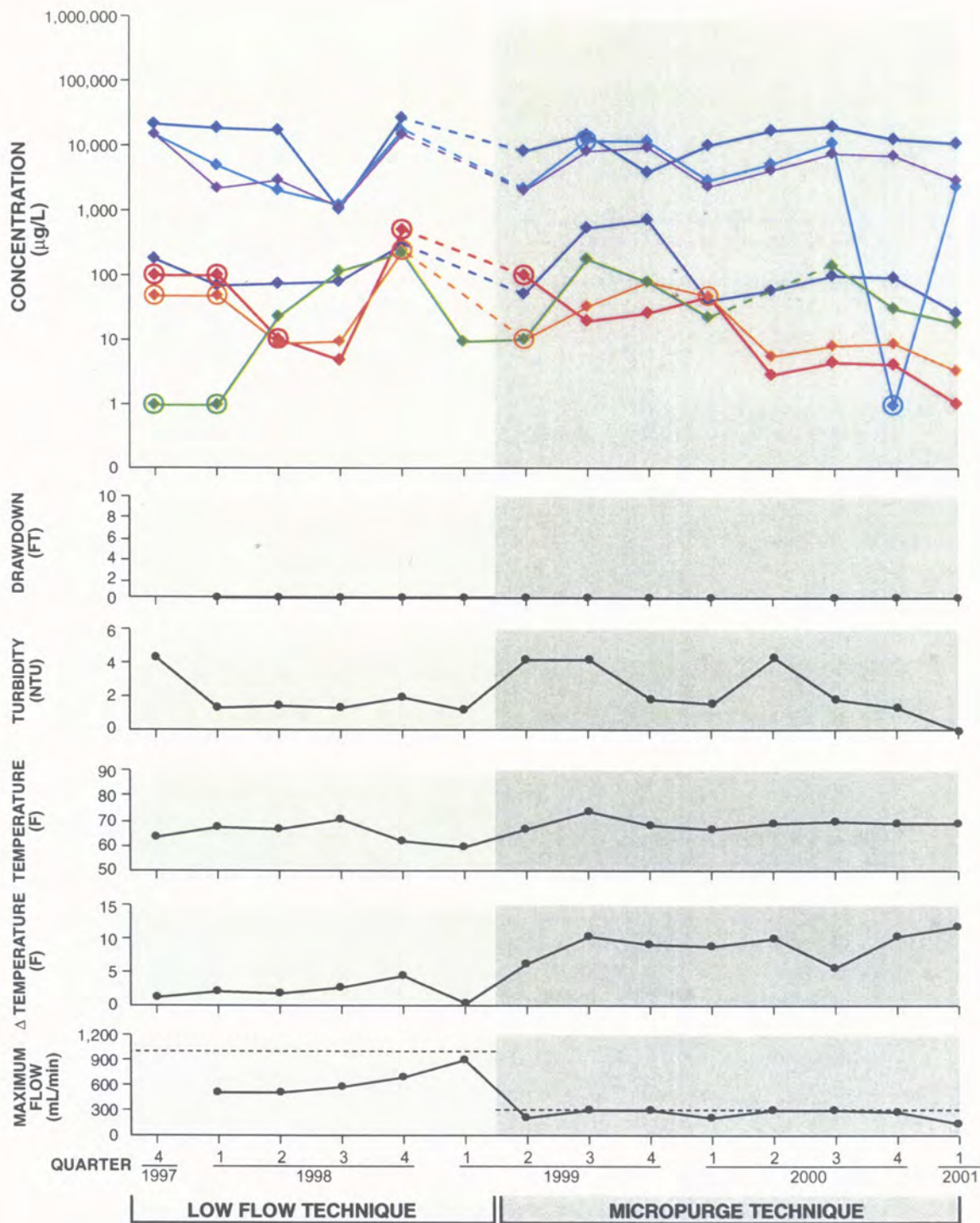




**LEGEND**

- ◆— Arsenic
- Chromium
- Lead
- ◆— Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 15b. Time series plots of selected metals and field parameters for well CG-9-I



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 16a. Time series plots of selected organic analytes and field parameters for well CG-9-S1



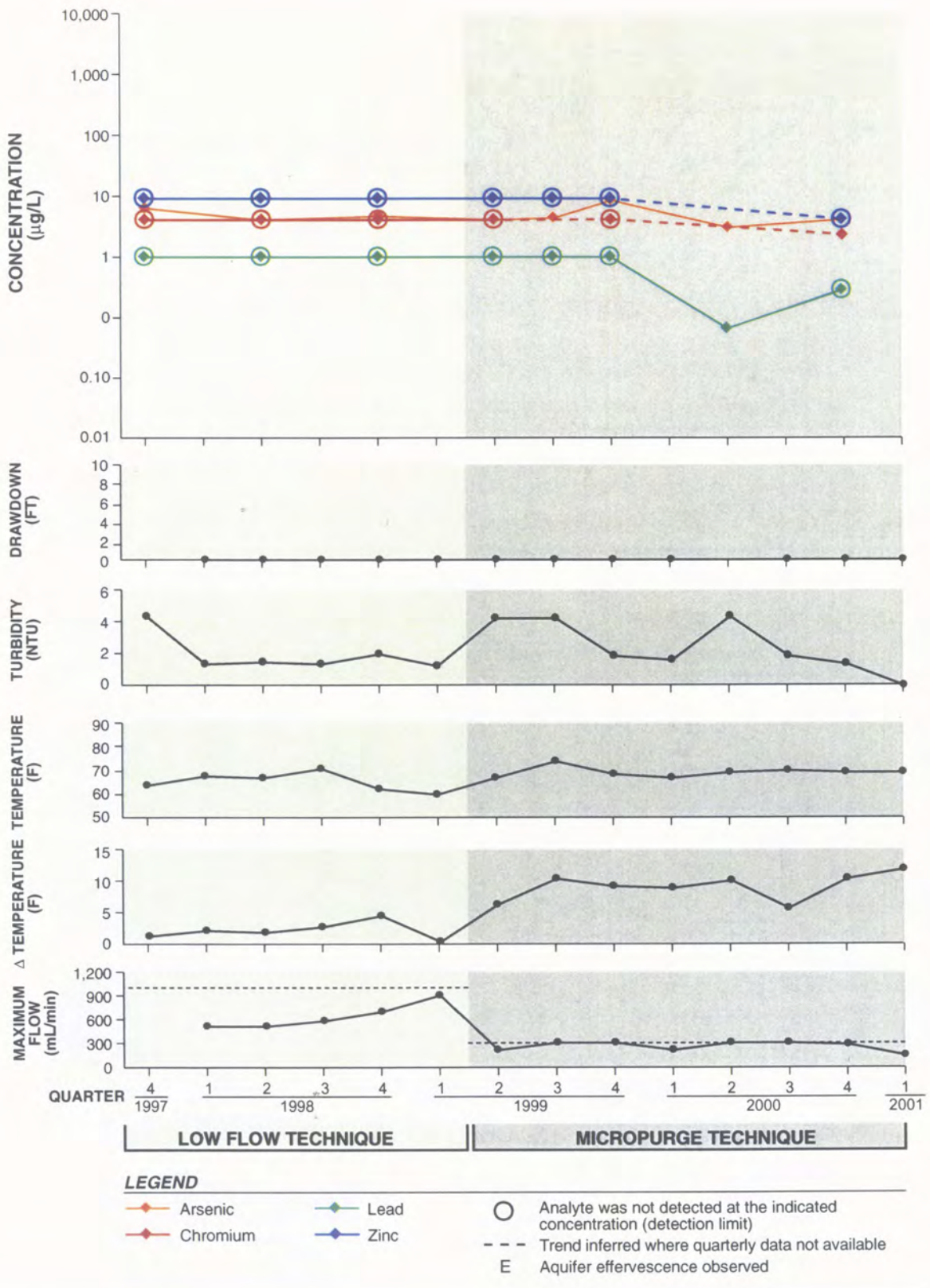
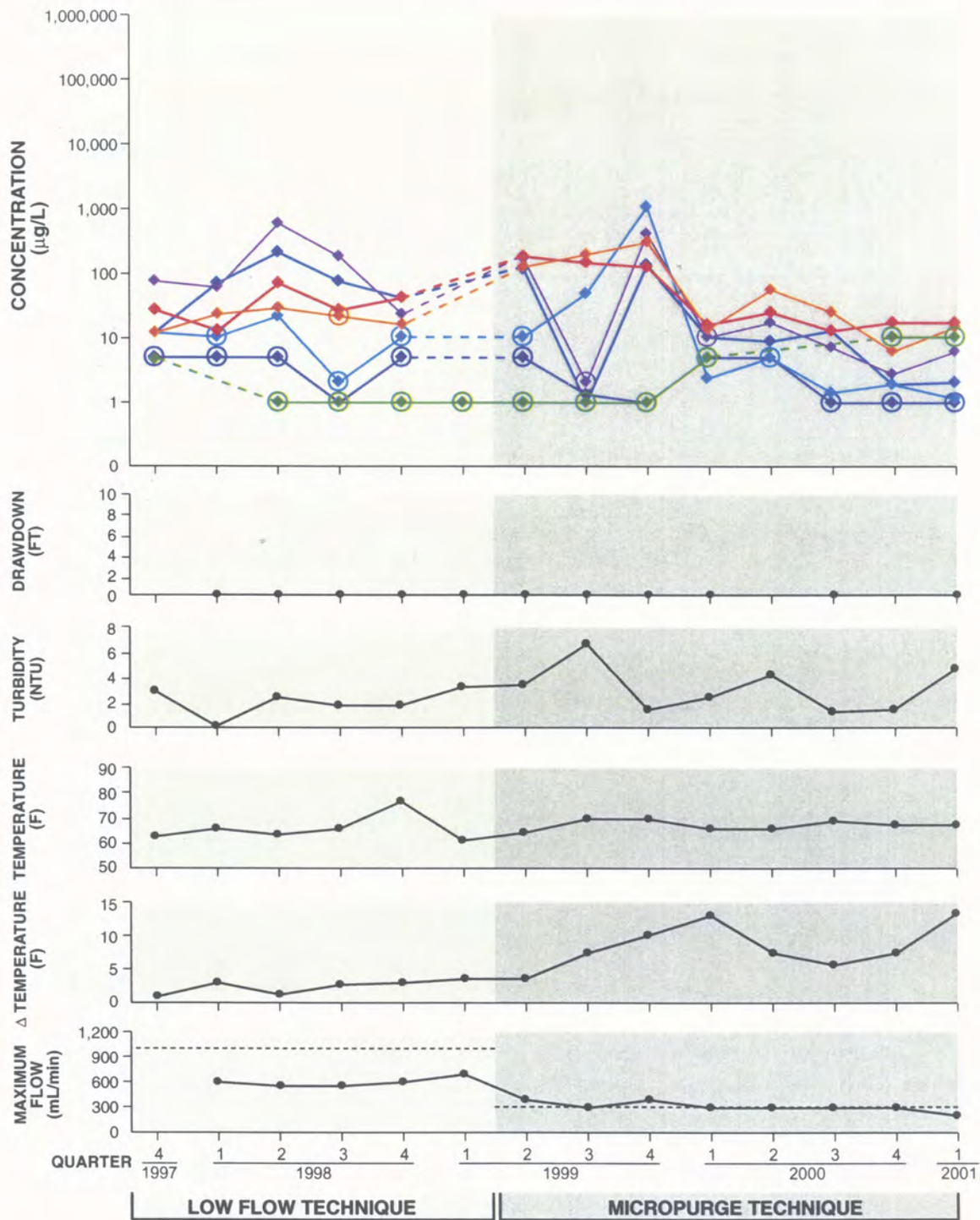


Figure 16b. Time series plots of selected metals and field parameters for well CG-9-S1



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 17a. Time series plots of selected organic analytes and field parameters for well CG-10-S1



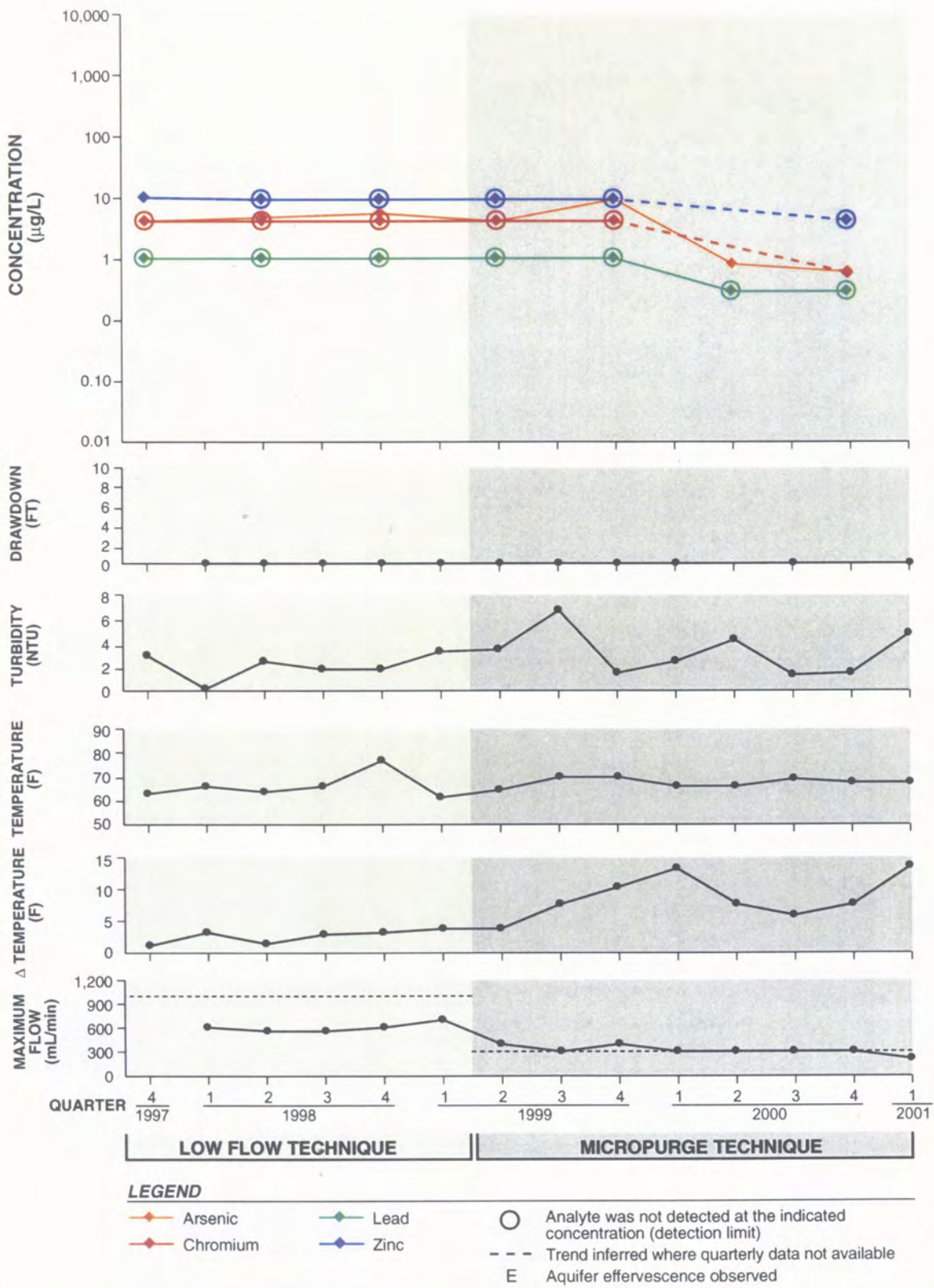
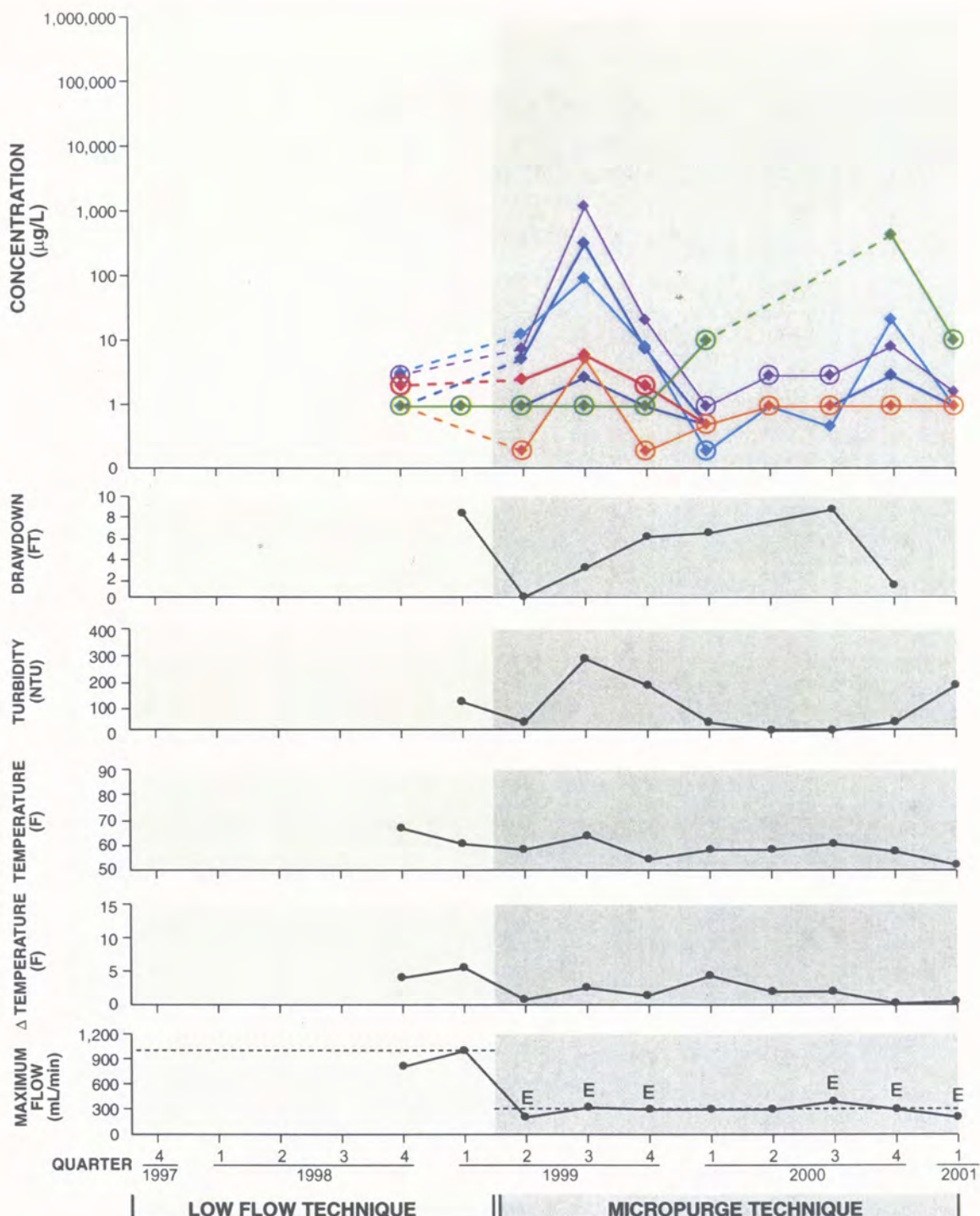


Figure 17b. Time series plots of selected metals and field parameters for well CG-10-S1



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 18a. Time series plots of selected organic analytes and field parameters for well CG-11-I (well installed third quarter, 1998)



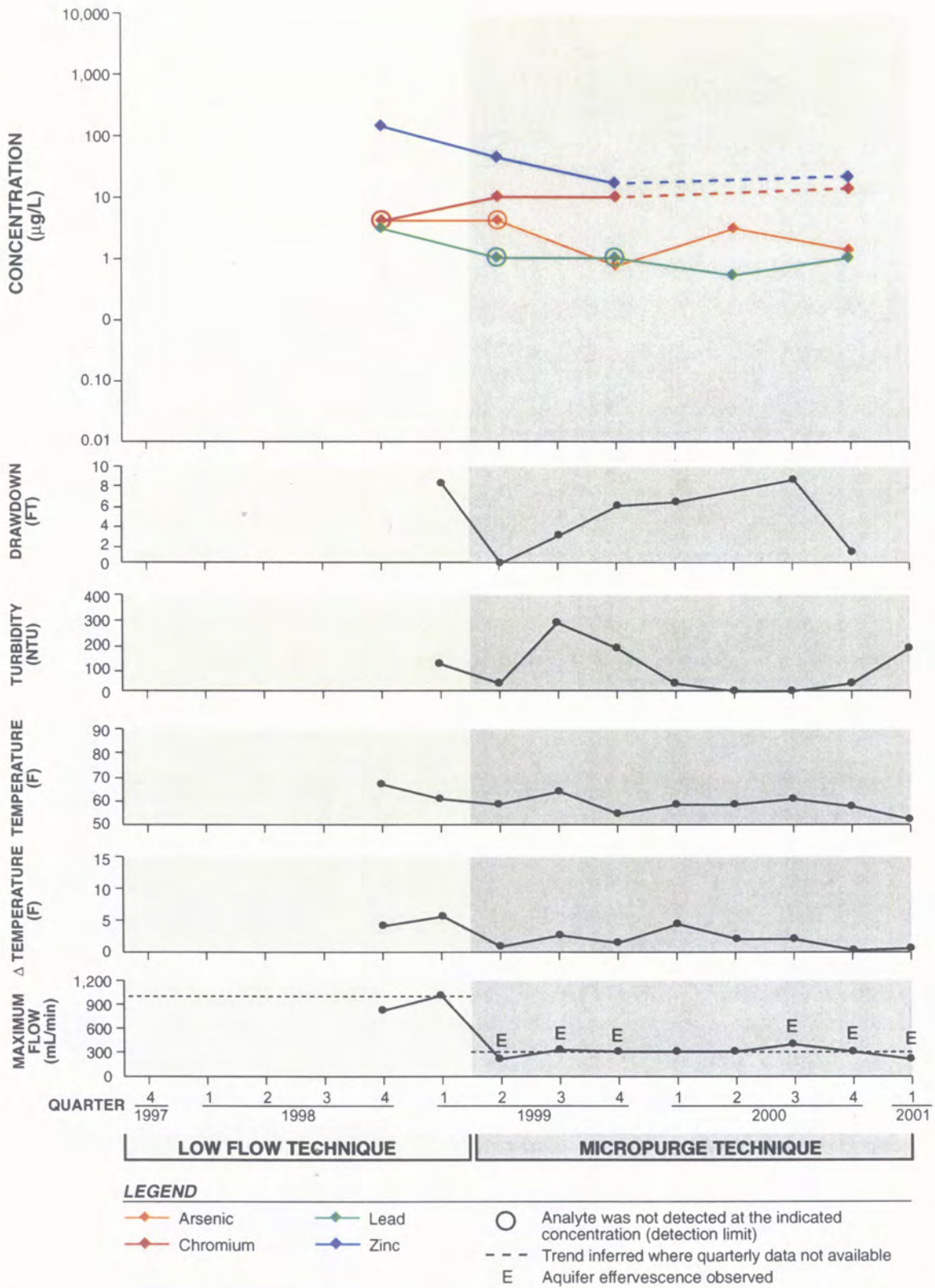
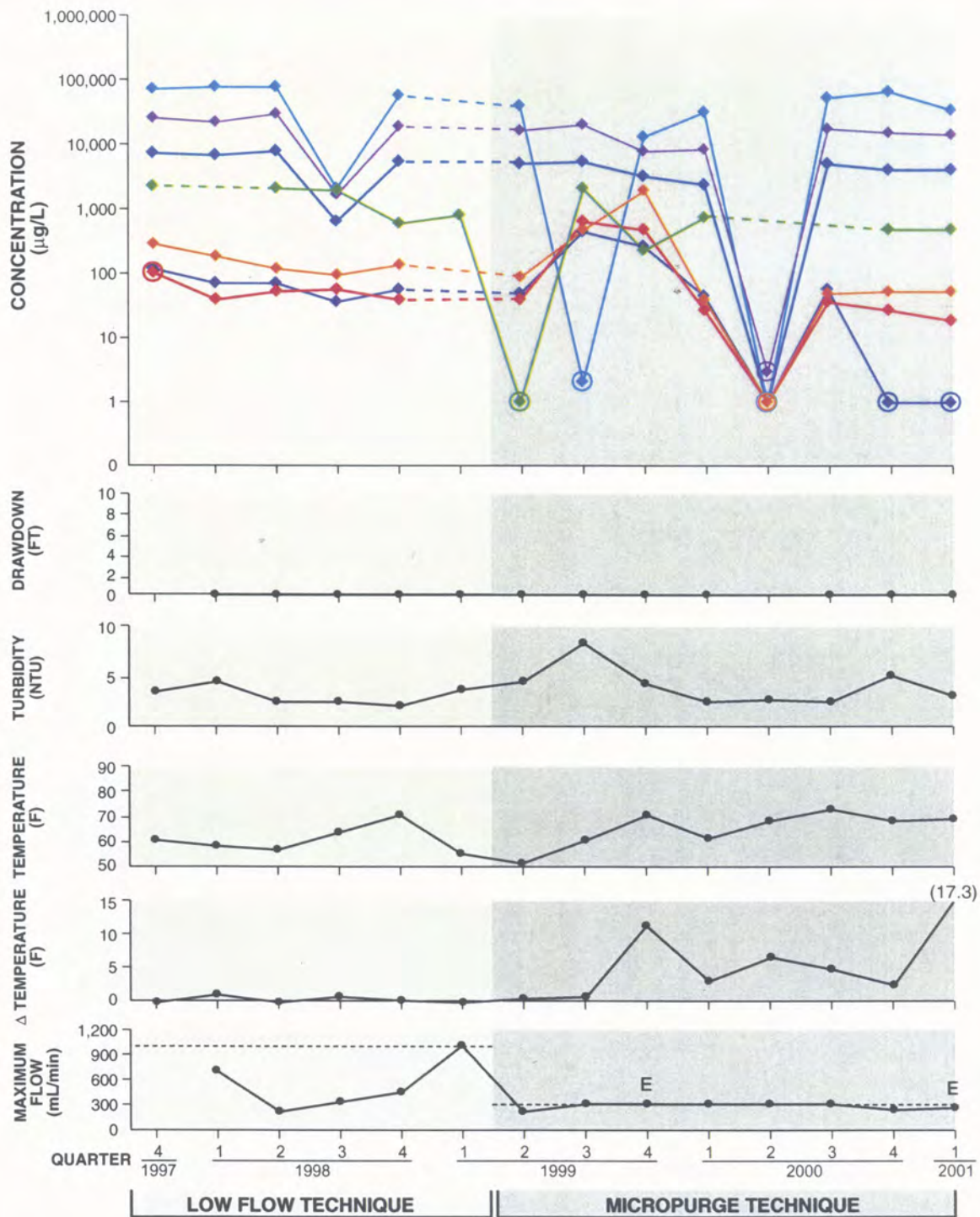


Figure 18b. Time series plots of selected metals and field parameters for well CG-11-1 (well installed third quarter, 1998)



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 19a. Time series plots of selected organic analytes and field parameters for well CG-11-S1



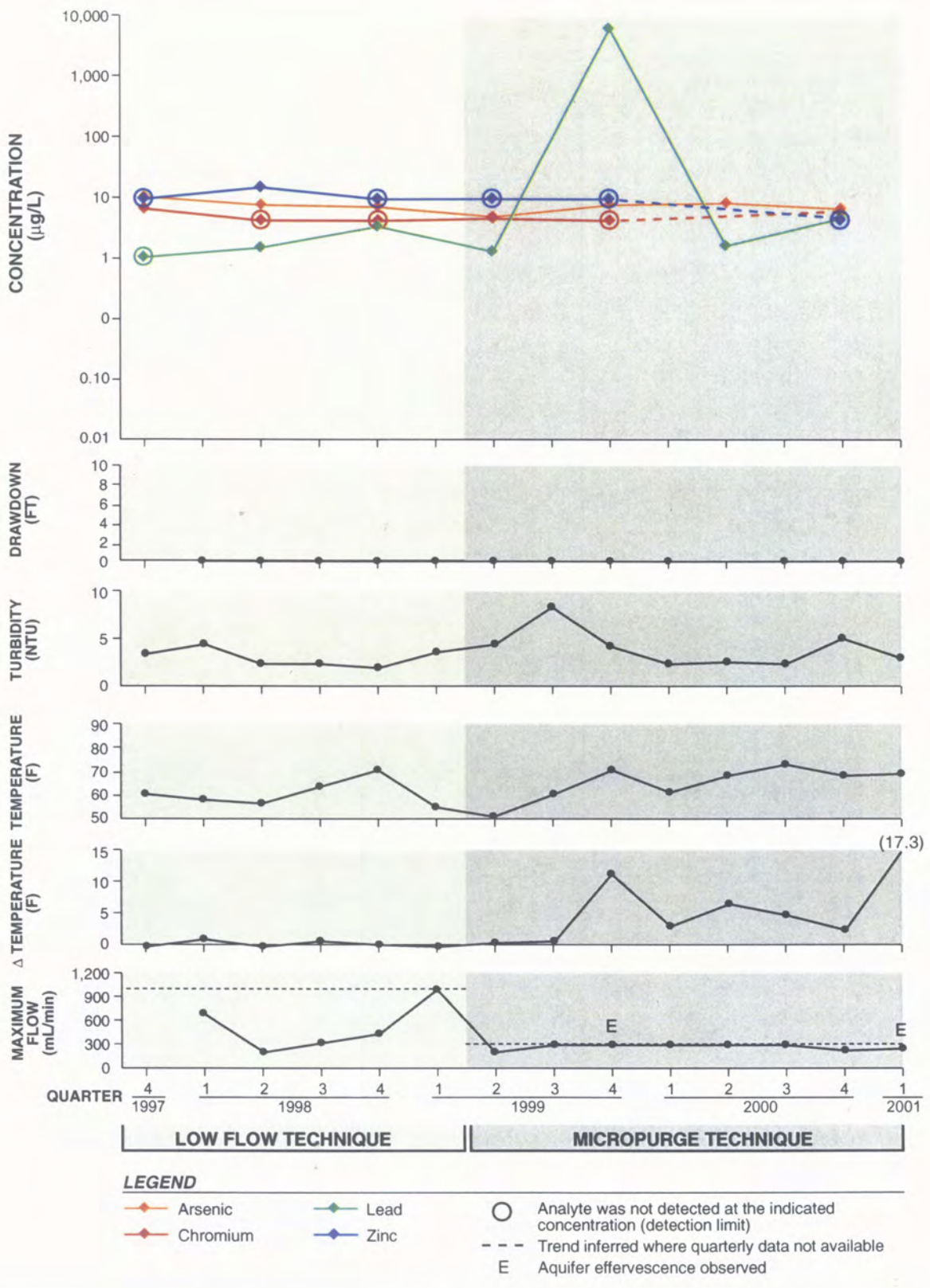


Figure 19b. Time series plots of selected metals and field parameters for well CG-11-S1

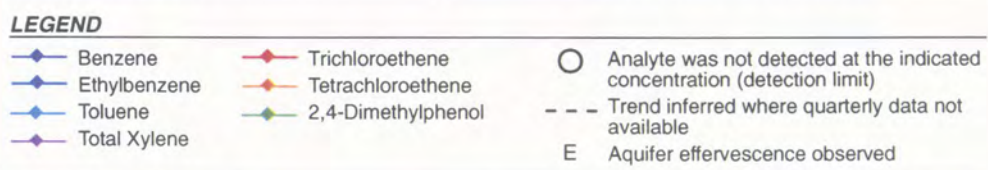
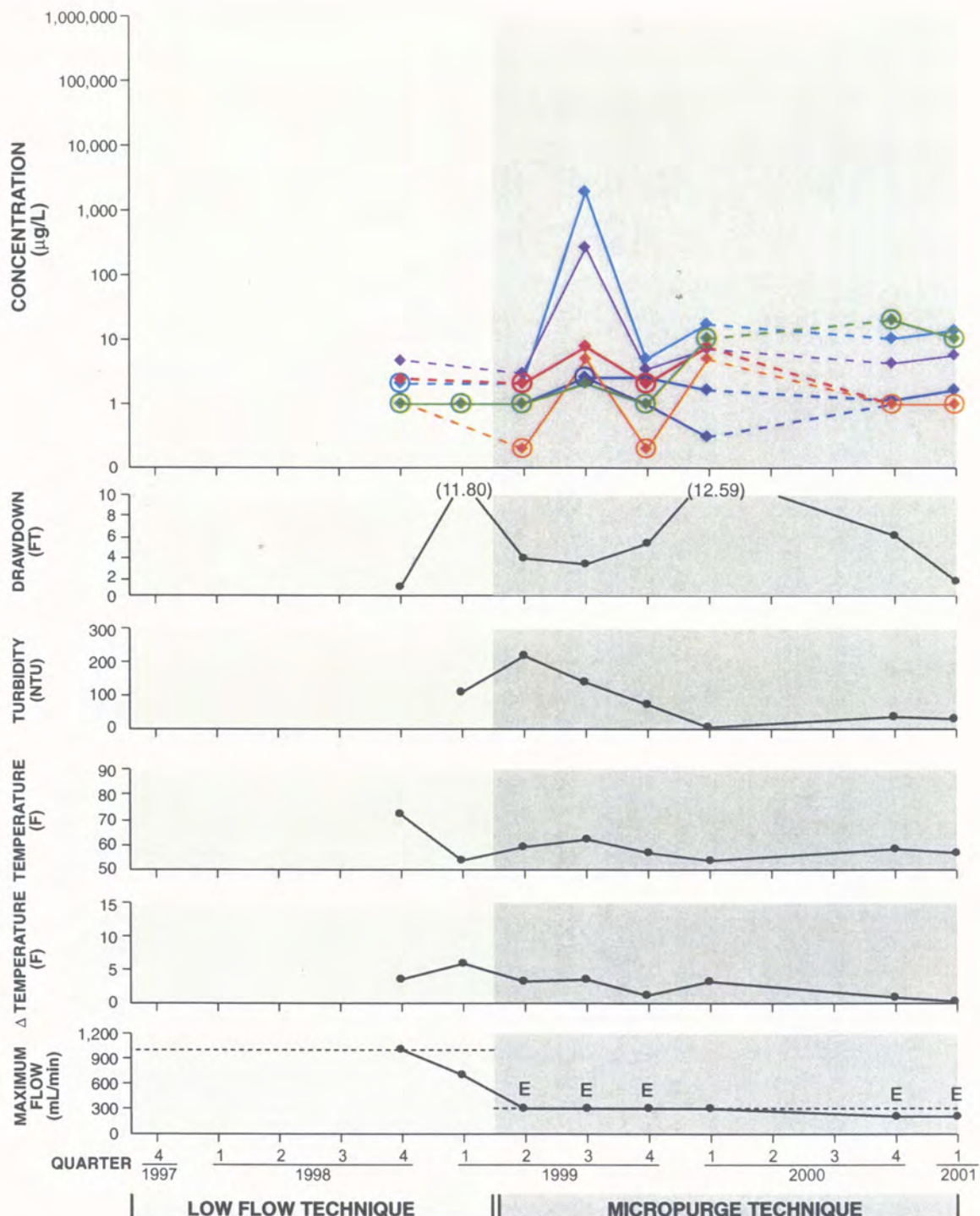


Figure 20a. Time series plots of selected organic analytes and field parameters for well CG-12-I (well installed third quarter, 1998)



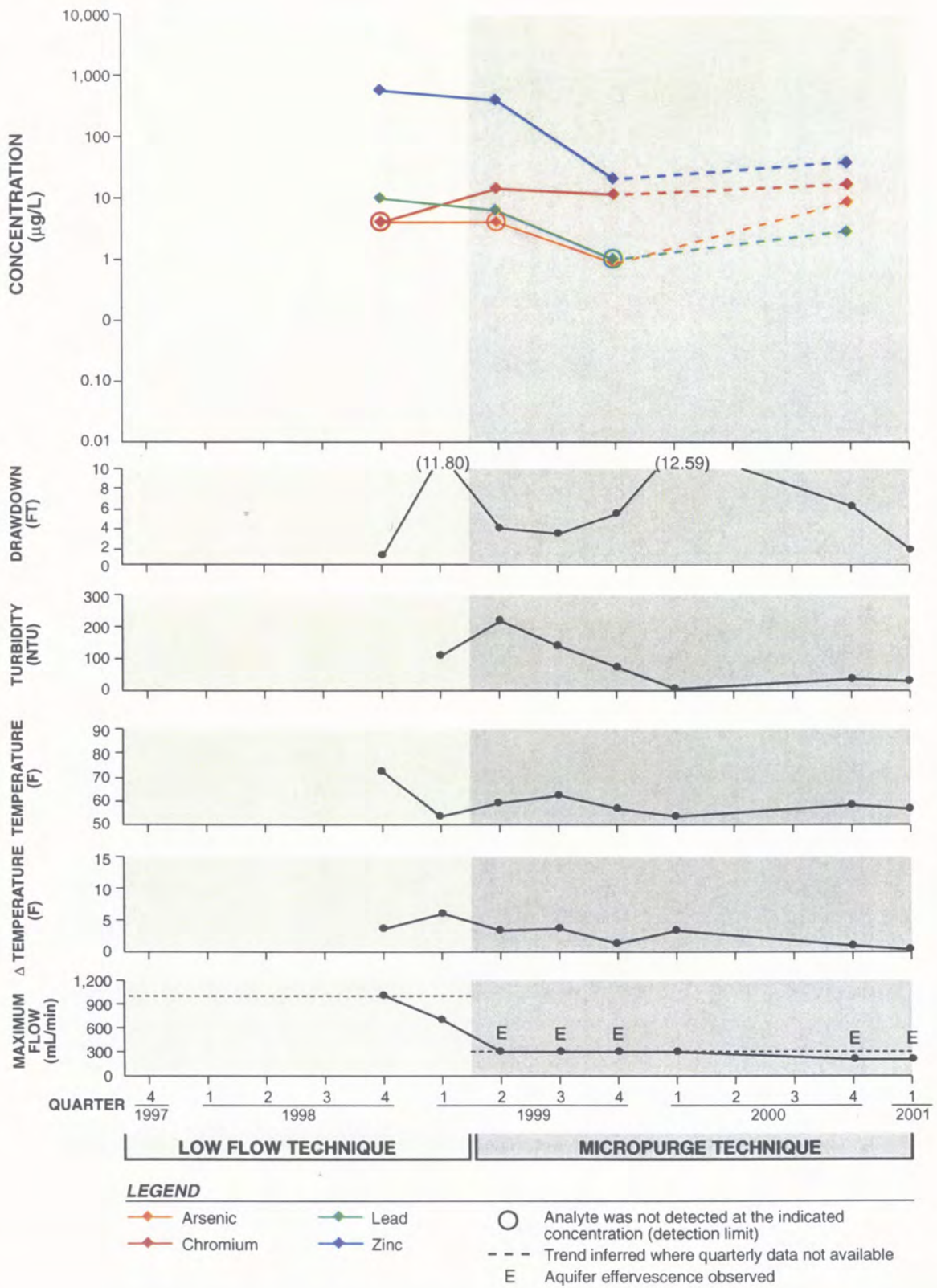
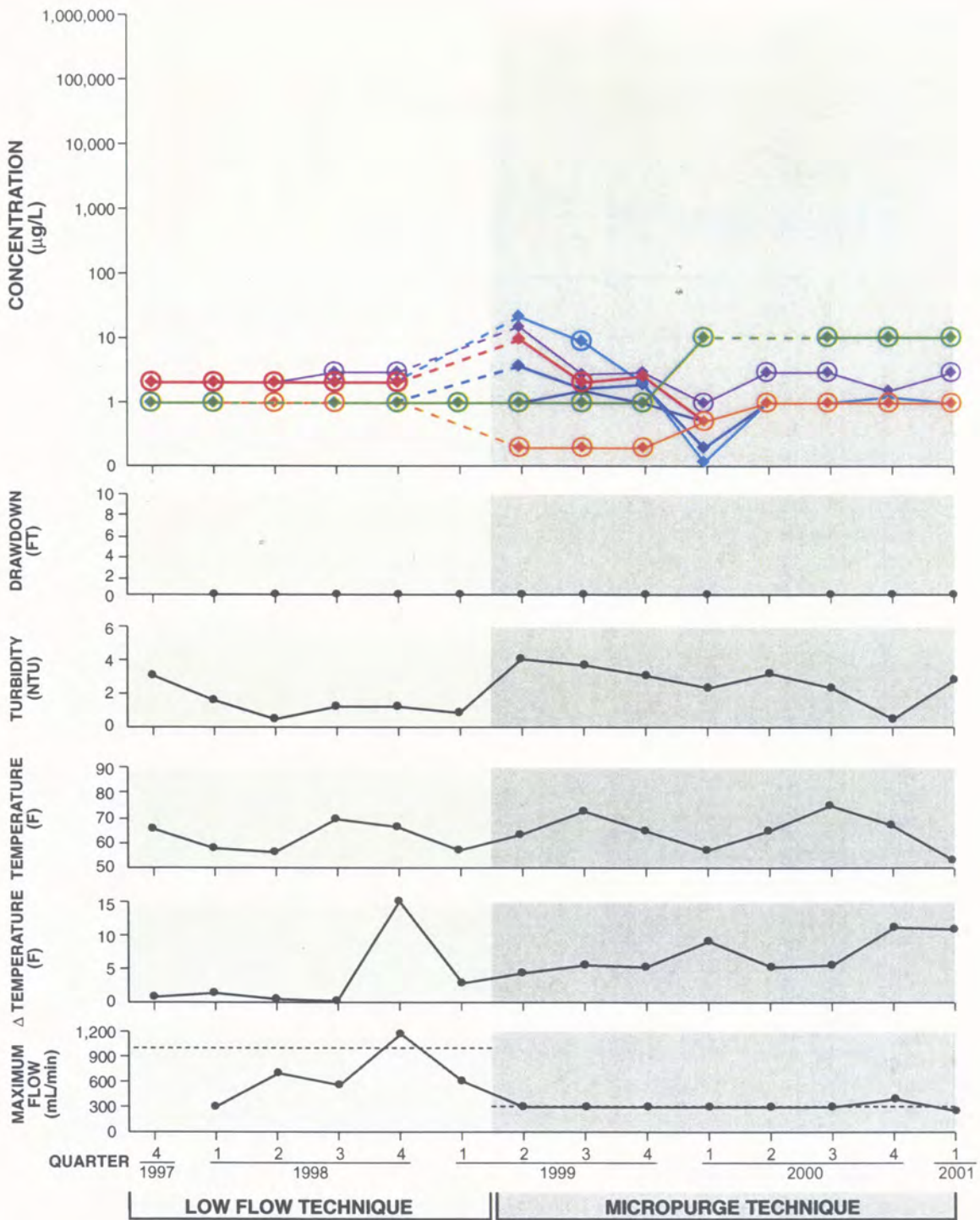


Figure 20b. Time series plots of selected metals and field parameters for well CG-12-I (well installed third quarter, 1998)



- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 21a. Time series plots of selected organic analytes and field parameters for well CG-101-S1



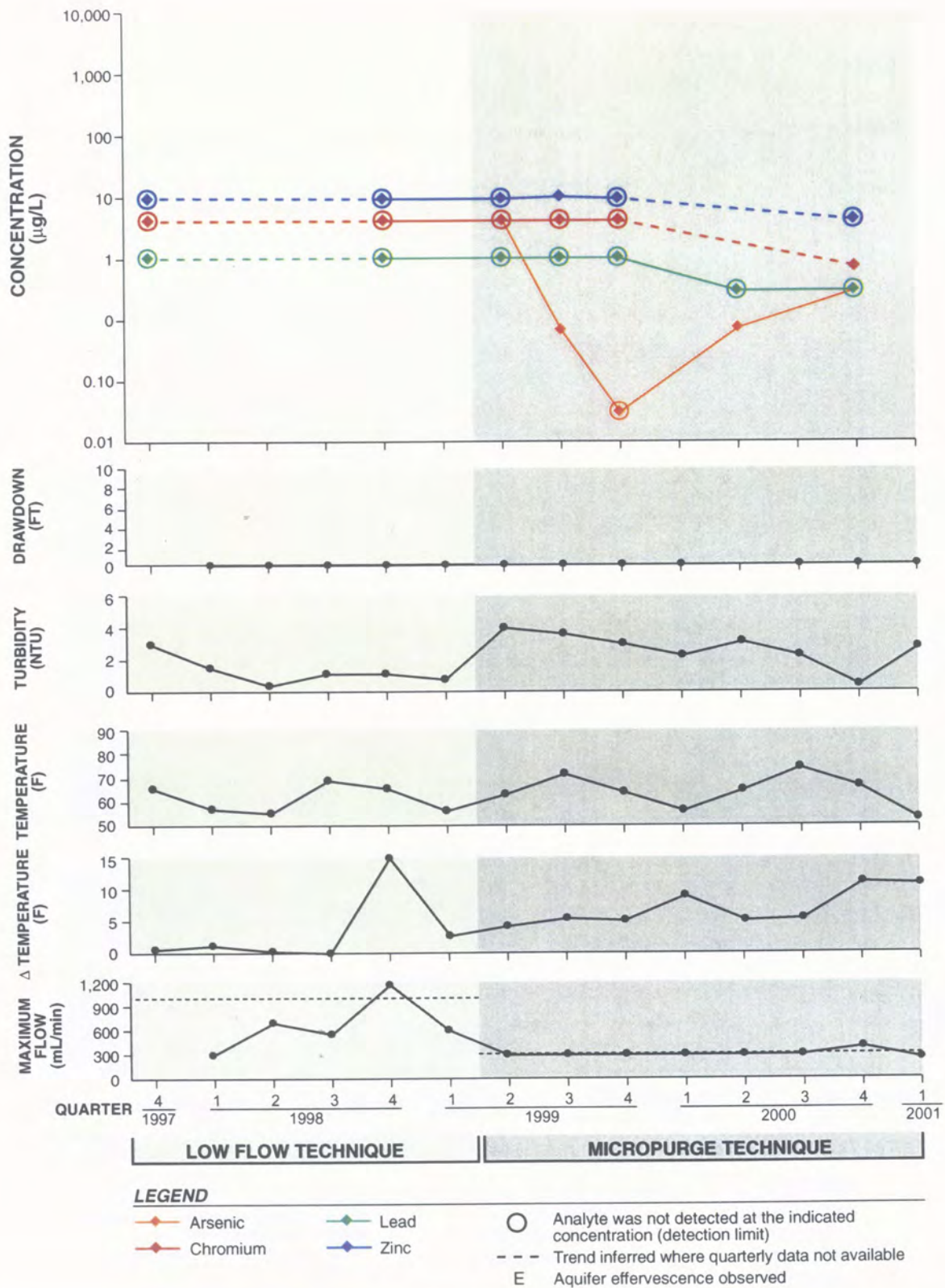
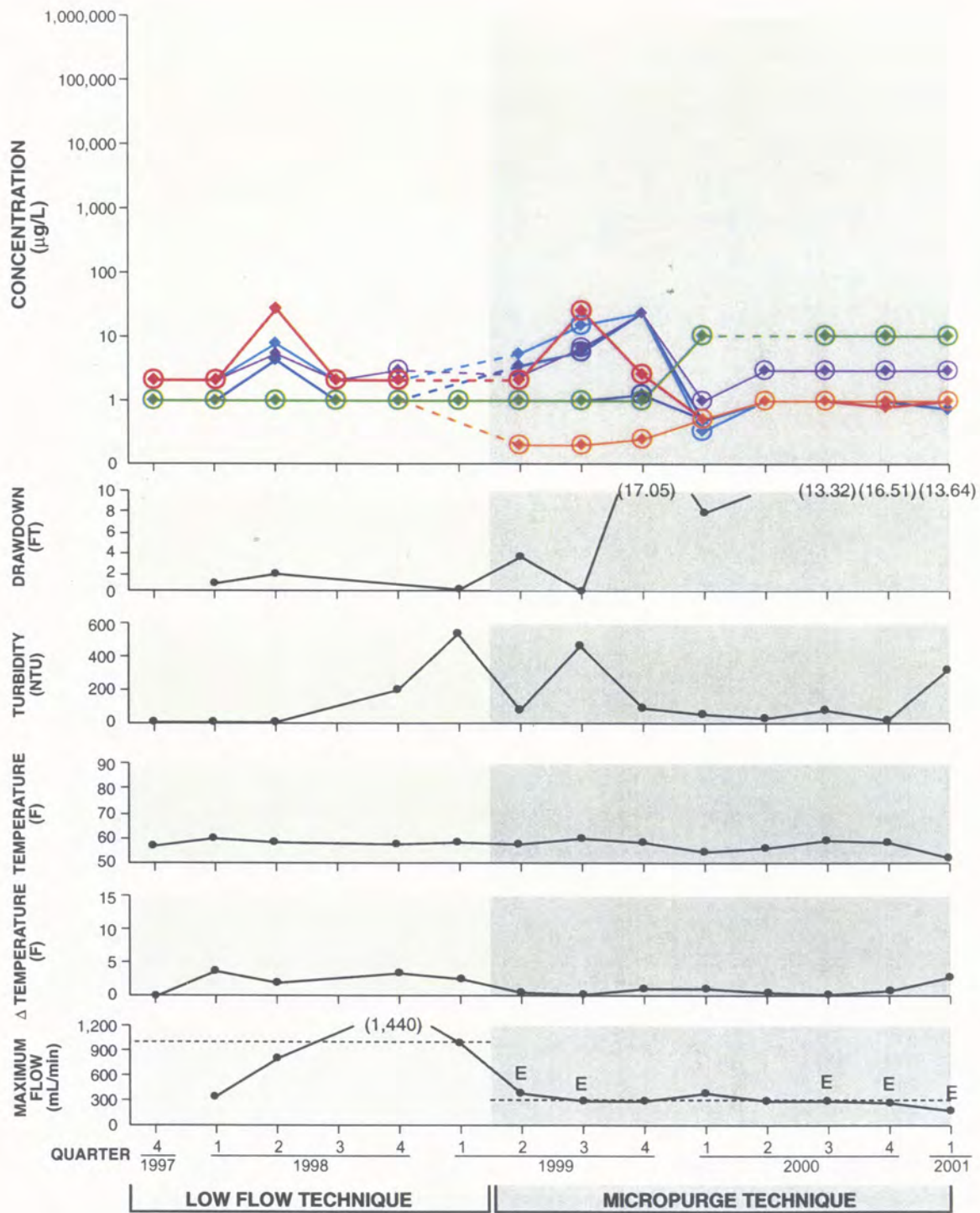


Figure 21b. Time series plots of selected metals and field parameters for well CG-101-S1



**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 22a. Time series plots of selected organic analytes and field parameters for well CG-102-D



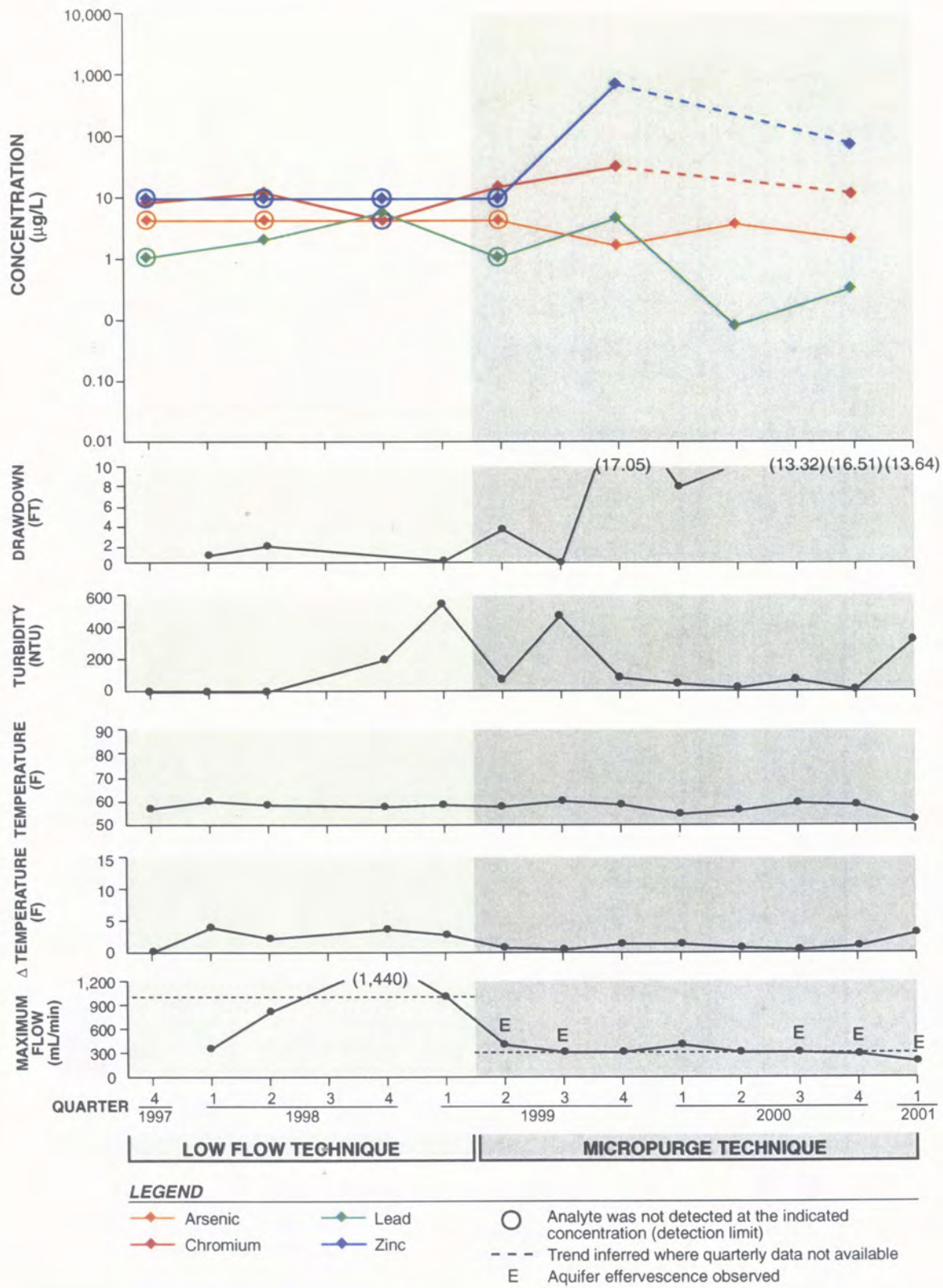
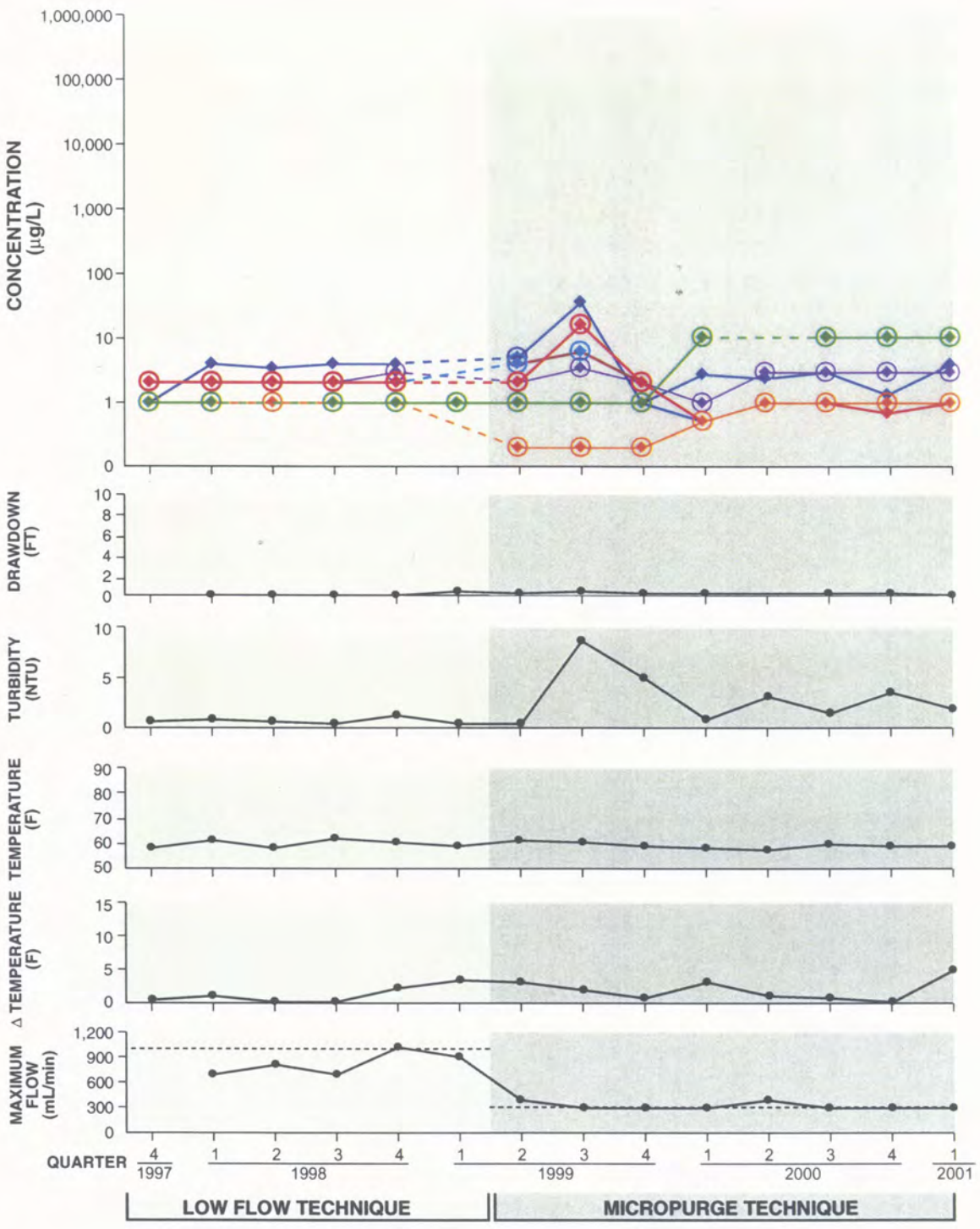


Figure 22b. Time series plots of selected metals and field parameters for well CG-102-D



- LEGEND**
- ◆ Benzene
  - ◆ Ethylbenzene
  - ◆ Toluene
  - ◆ Total Xylene
  - ◆ Trichloroethene
  - ◆ Tetrachloroethene
  - ◆ 2,4-Dimethylphenol
  - Analyte was not detected at the indicated concentration (detection limit)
  - - - Trend inferred where quarterly data not available
  - E Aquifer effervescence observed

Figure 23a. Time series plots of selected organic analytes and field parameters for well CG-102-I



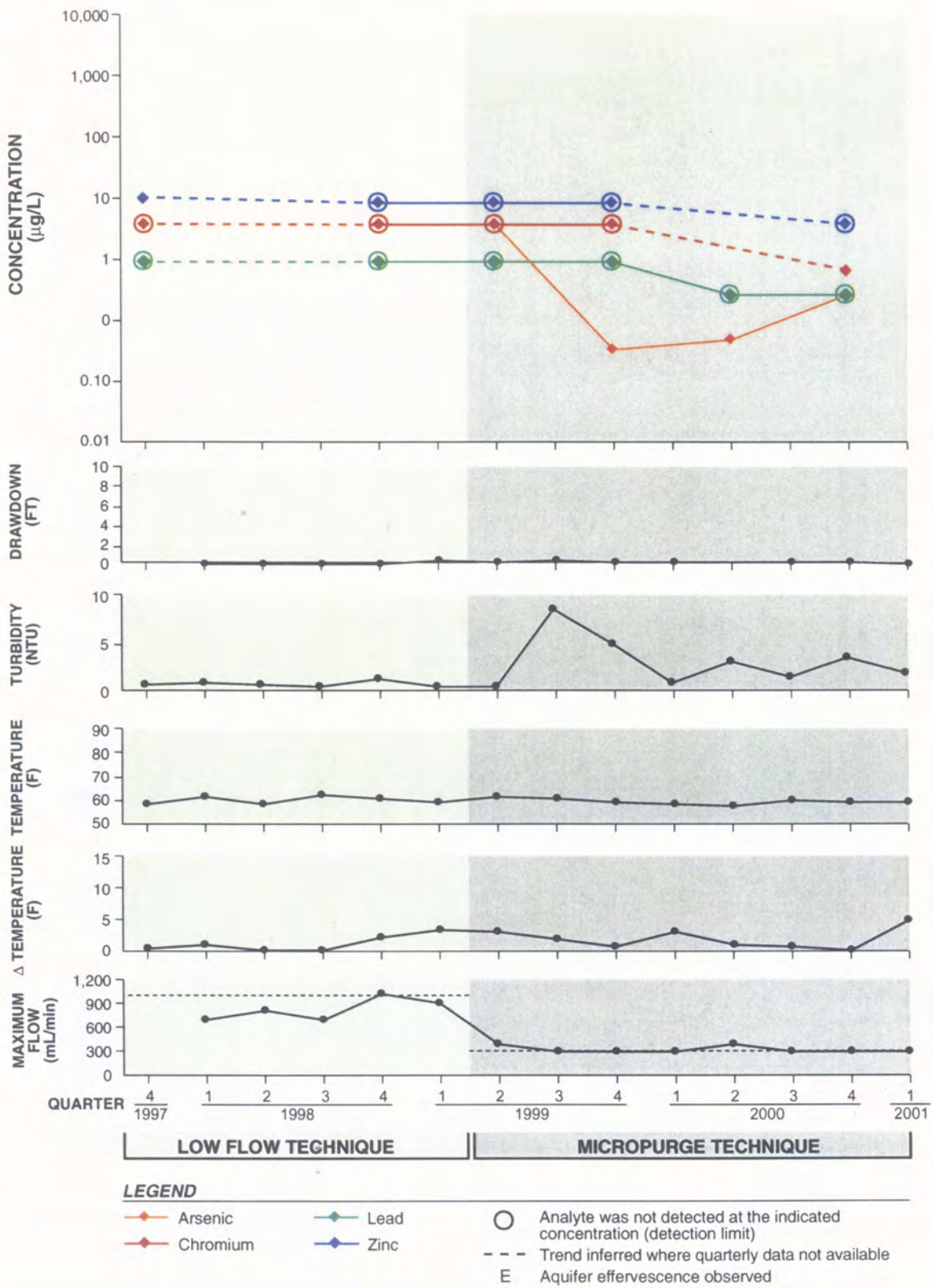
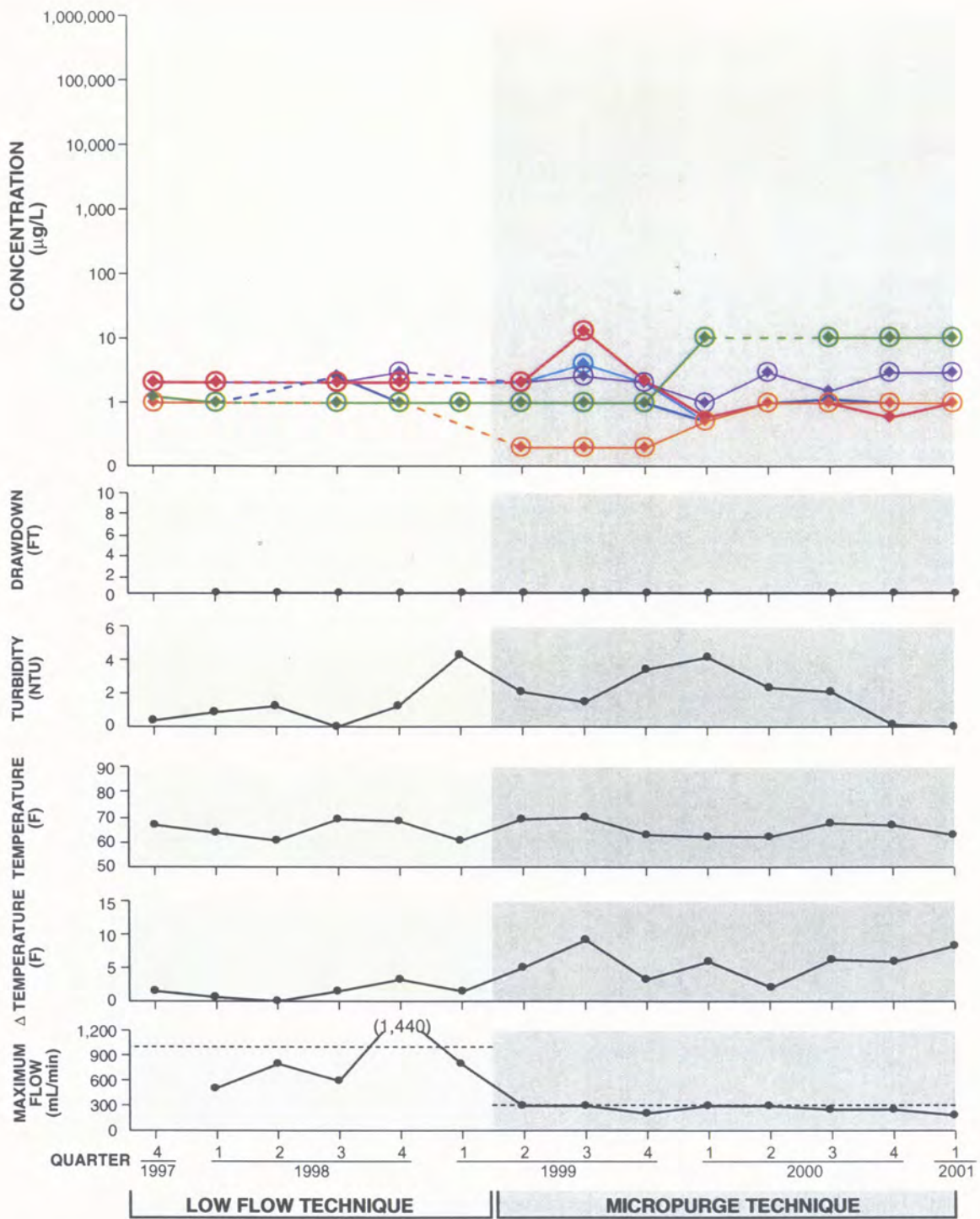


Figure 23b. Time series plots of selected metals and field parameters for well CG-102-I



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 24. Time series plots of selected organic analytes and field parameters for well CG-102-S1



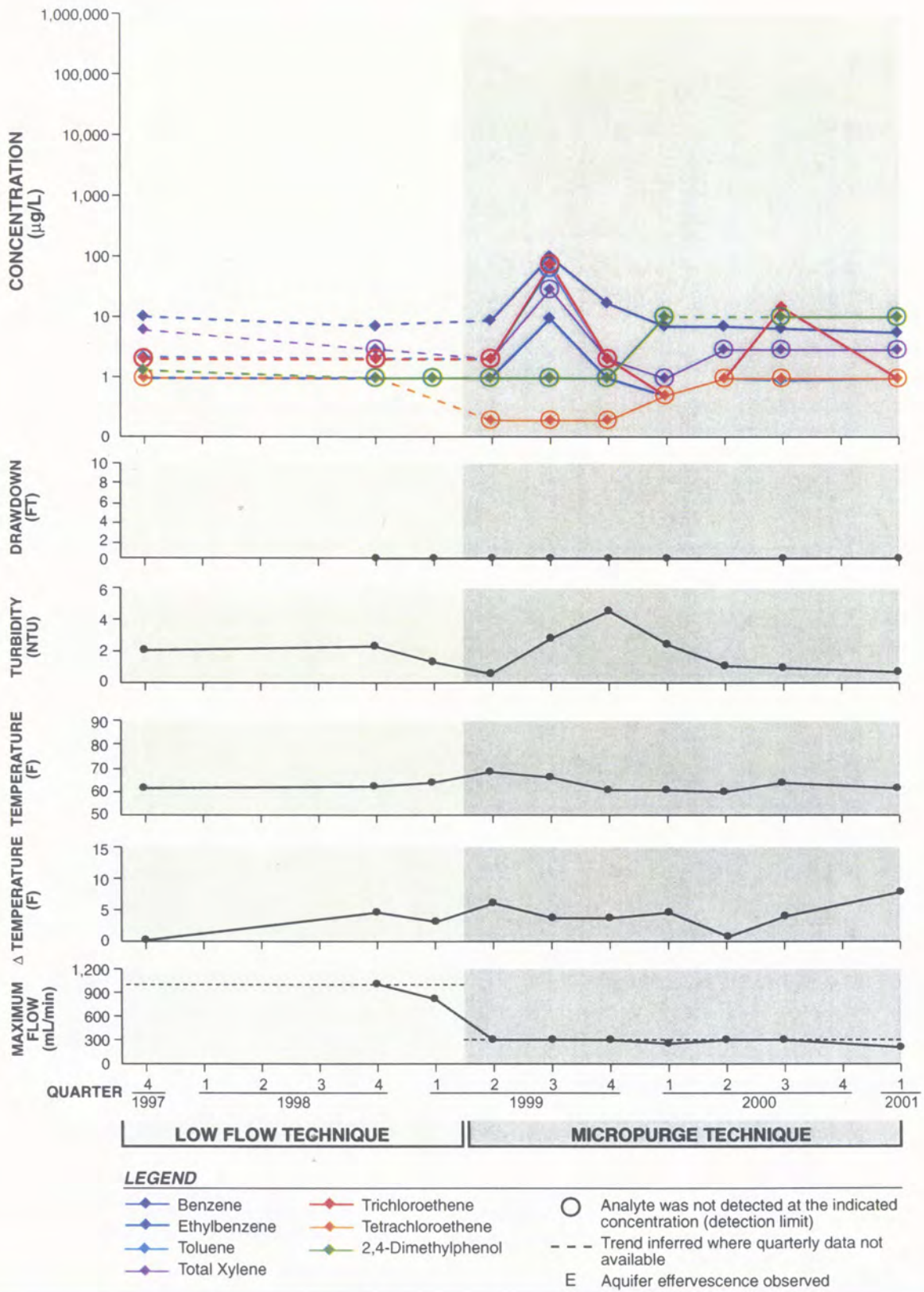


Figure 25a. Time series plots of selected organic analytes and field parameters for well CG-102-S2

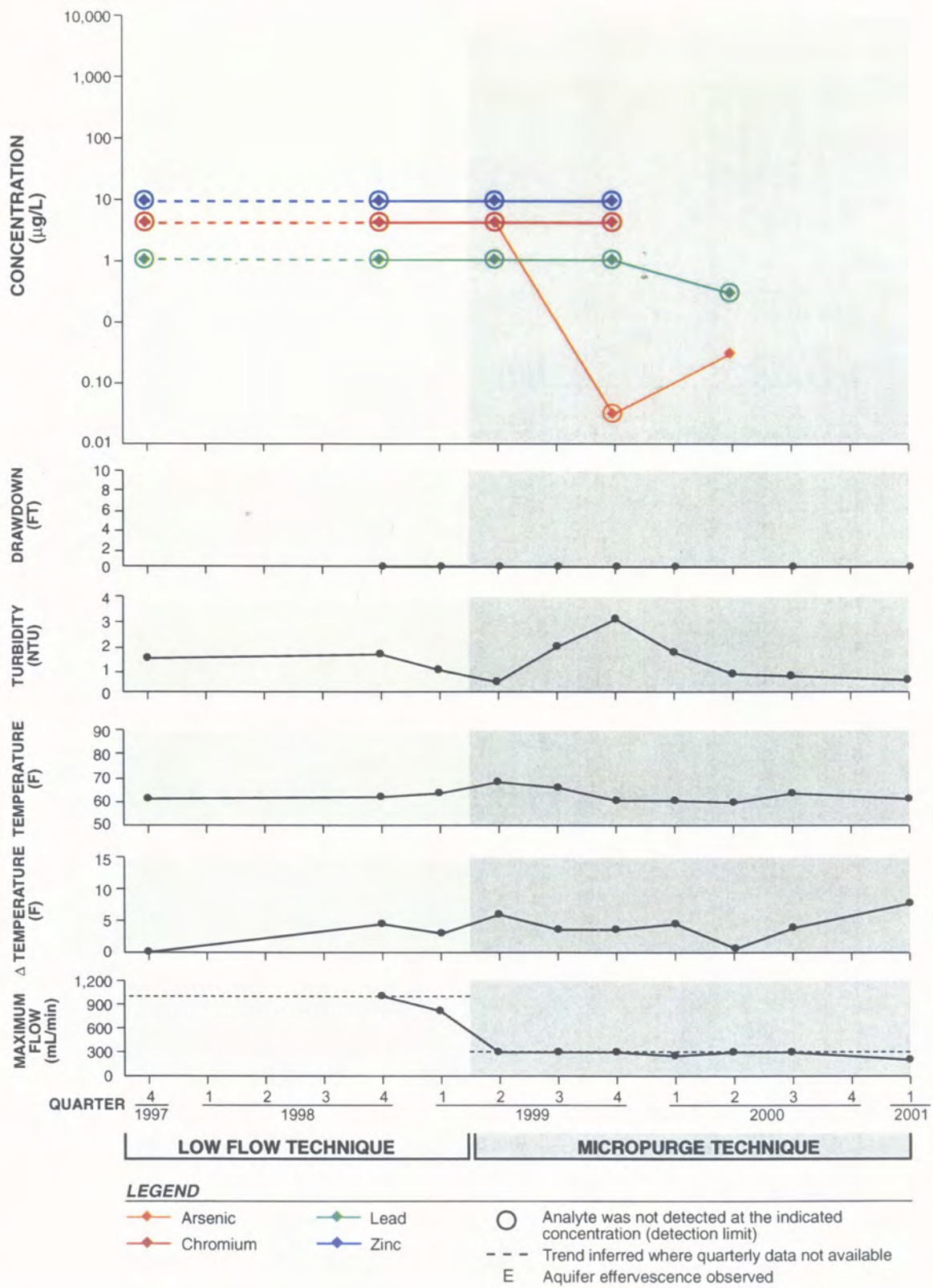


Figure 25b. Time series plots of selected metals and field parameters for well CG-102-S2



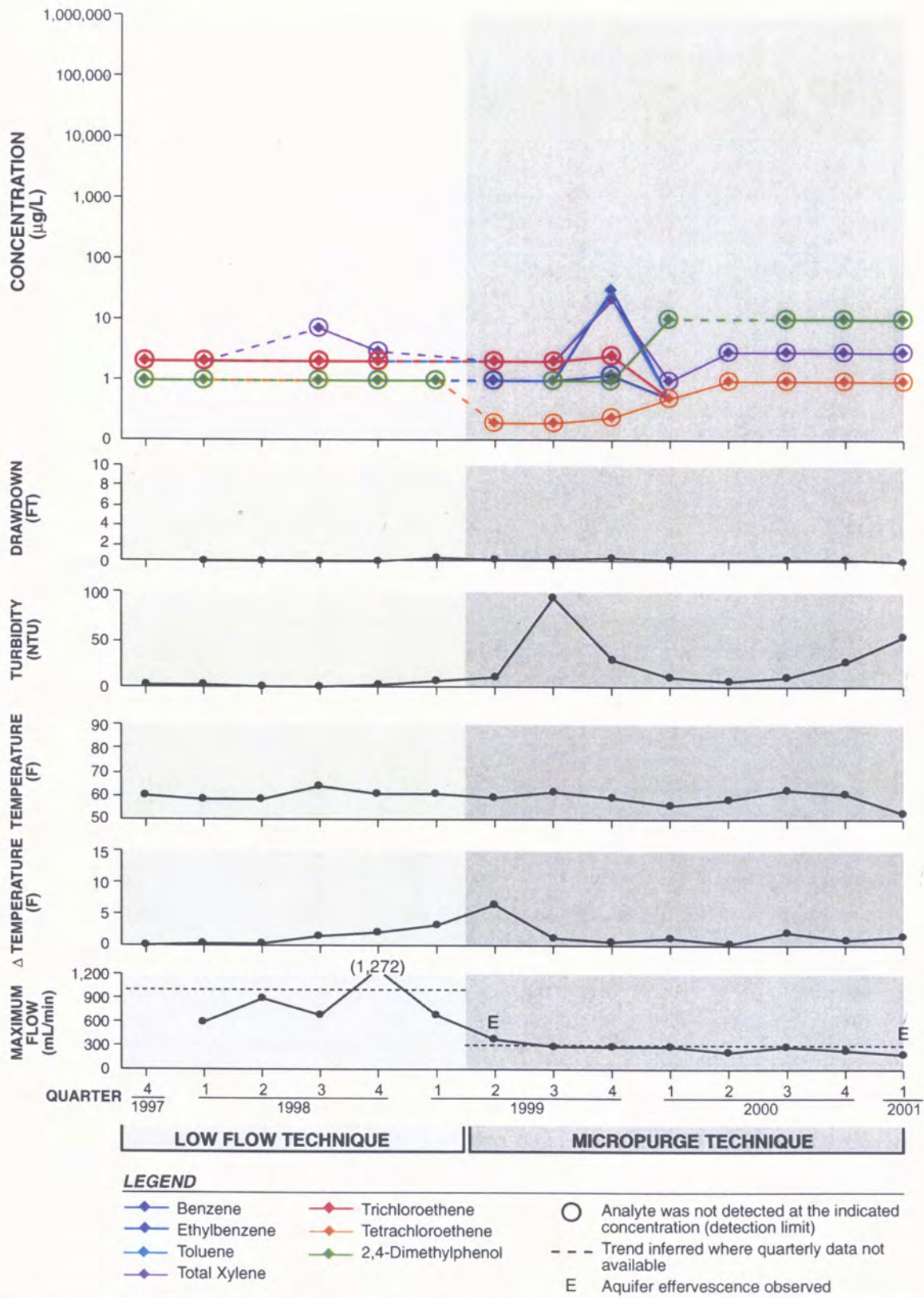
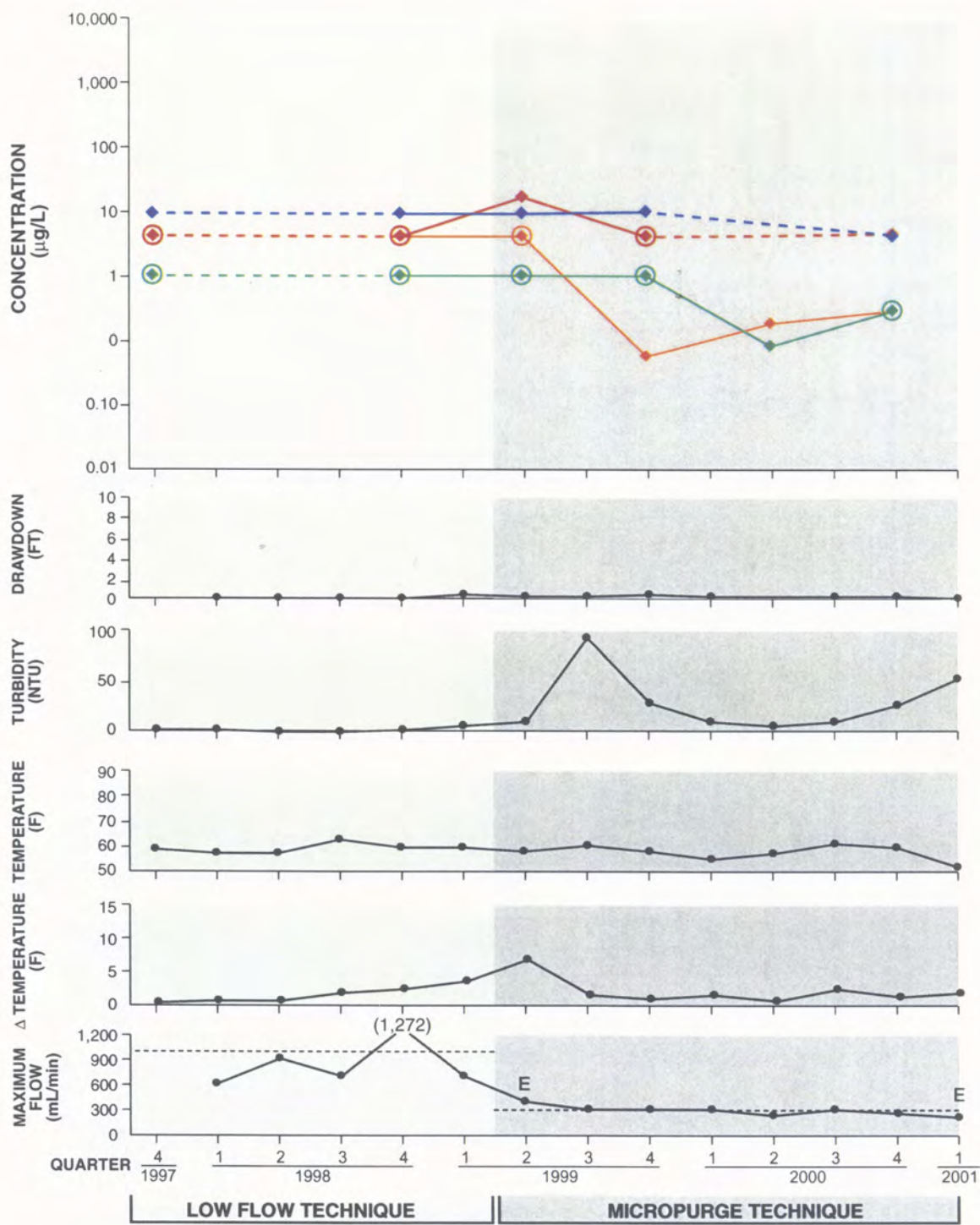


Figure 26a. Time series plots of selected organic analytes and field parameters for well CG-103-1



**LEGEND**

- Arsenic
- Chromium
- Lead
- Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 26b. Time series plots of selected metals and field parameters for well CG-103-I



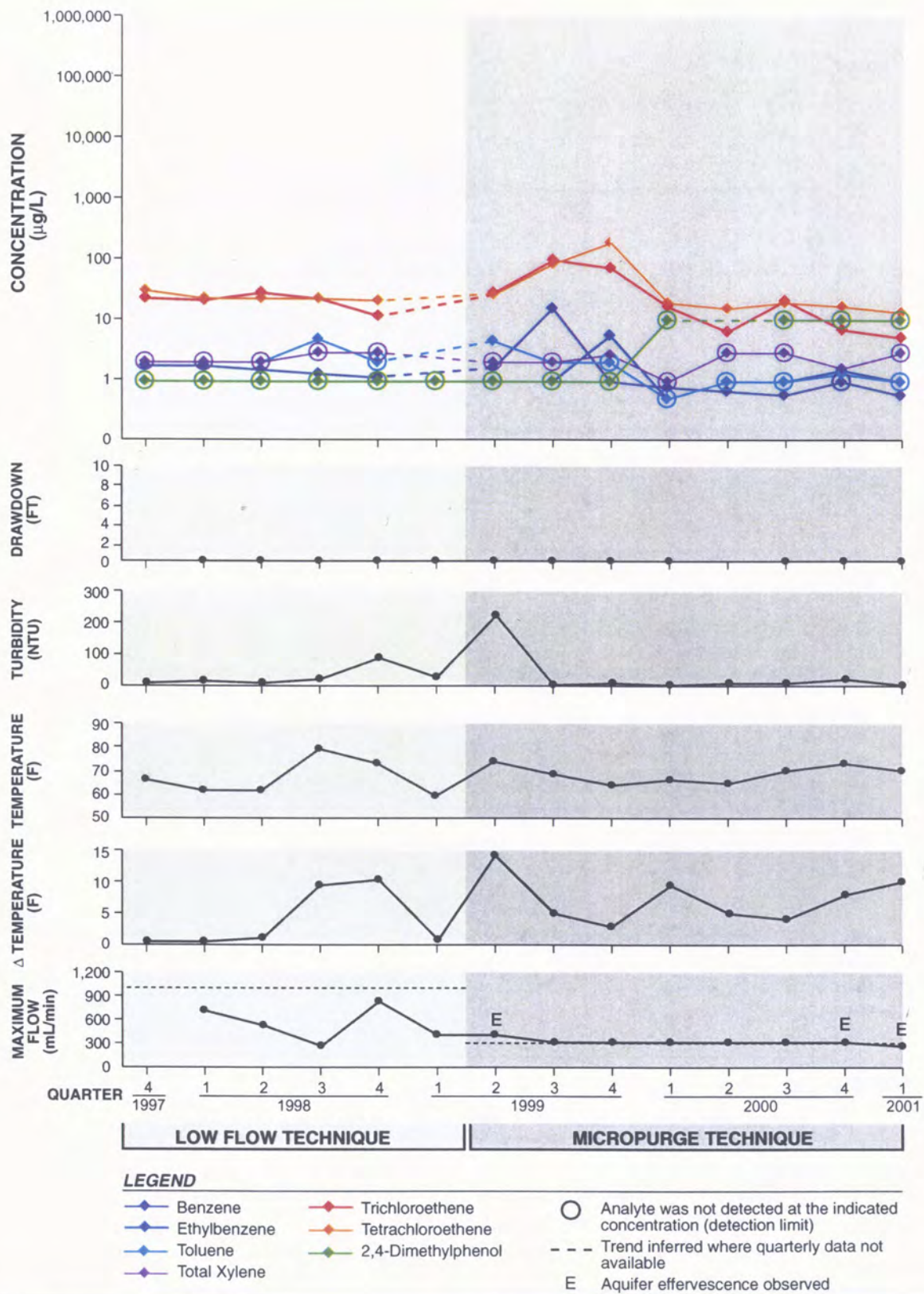


Figure 27a. Time series plots of selected organic analytes and field parameters for well CG-103-S1

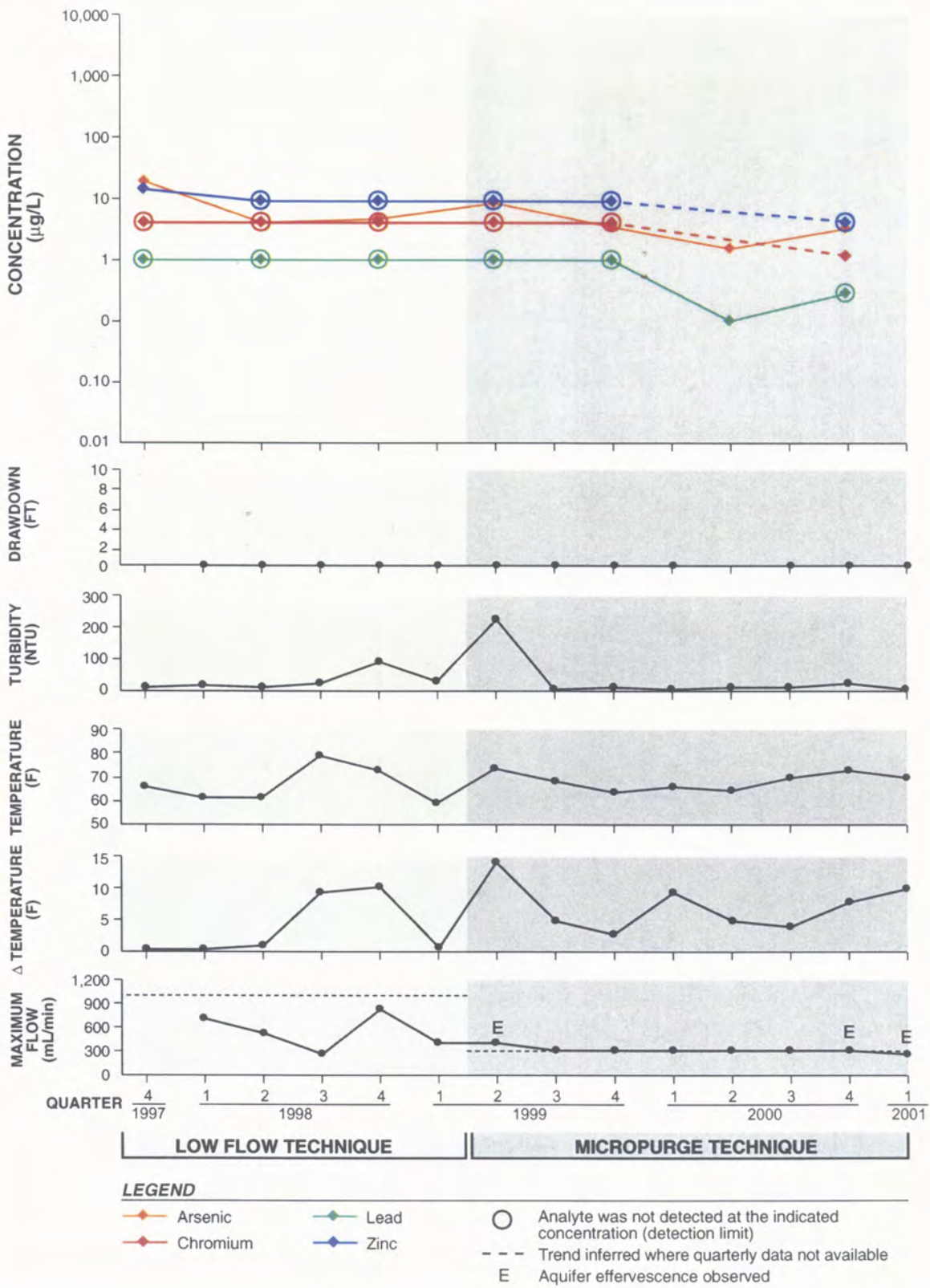


Figure 27b. Time series plots of selected metals and field parameters for well CG-103-S1



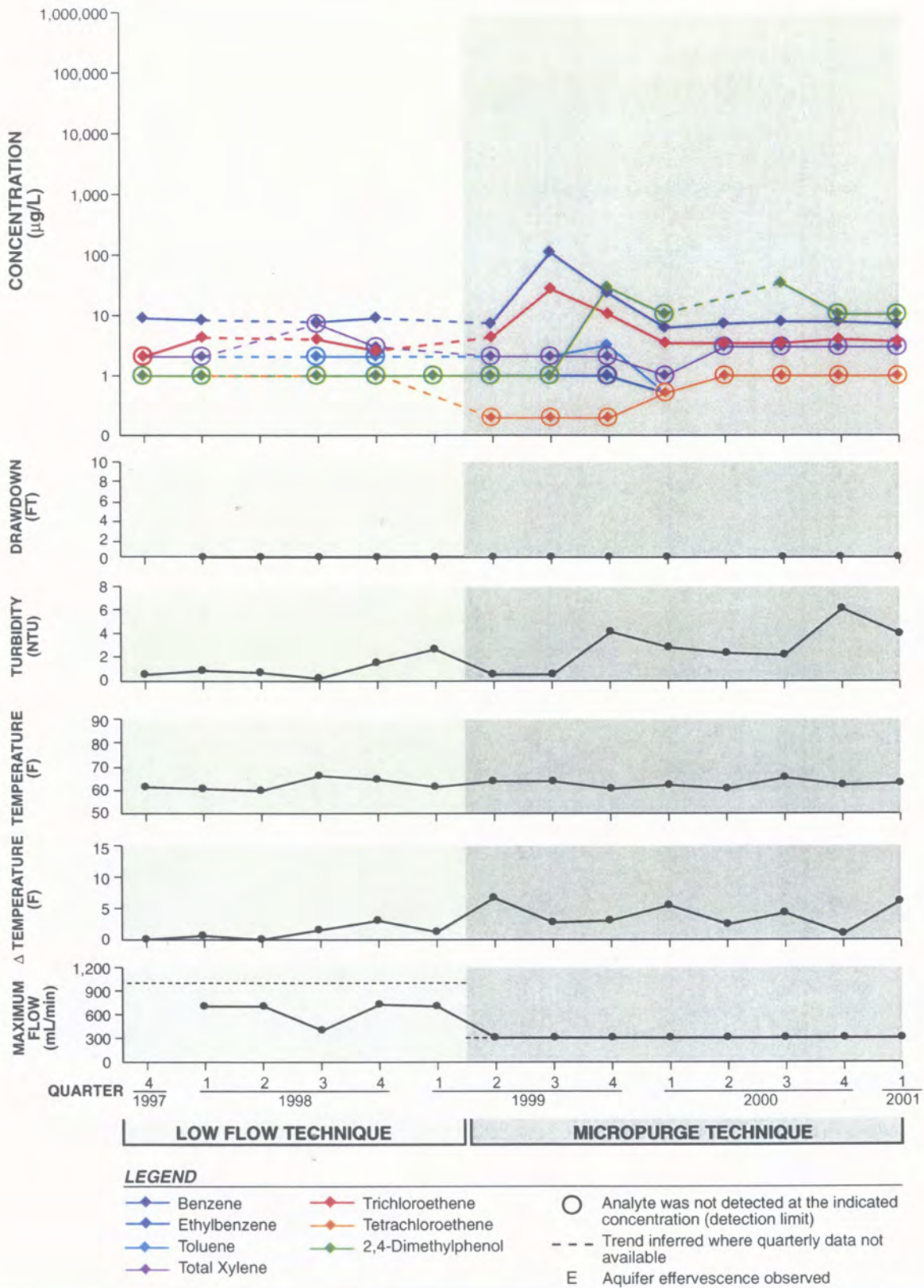
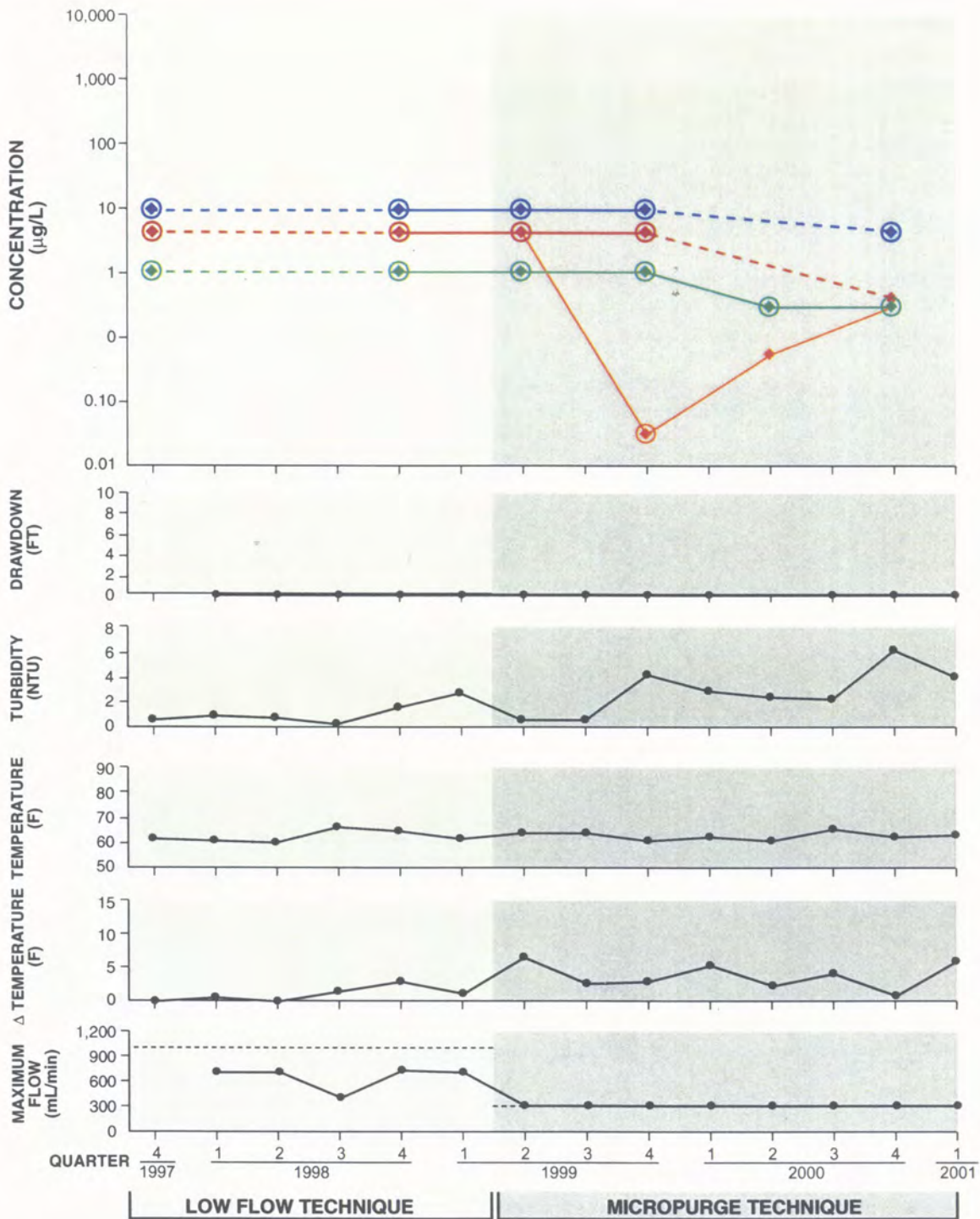


Figure 28a. Time series plots of selected organic analytes and field parameters for well CG-103-S2

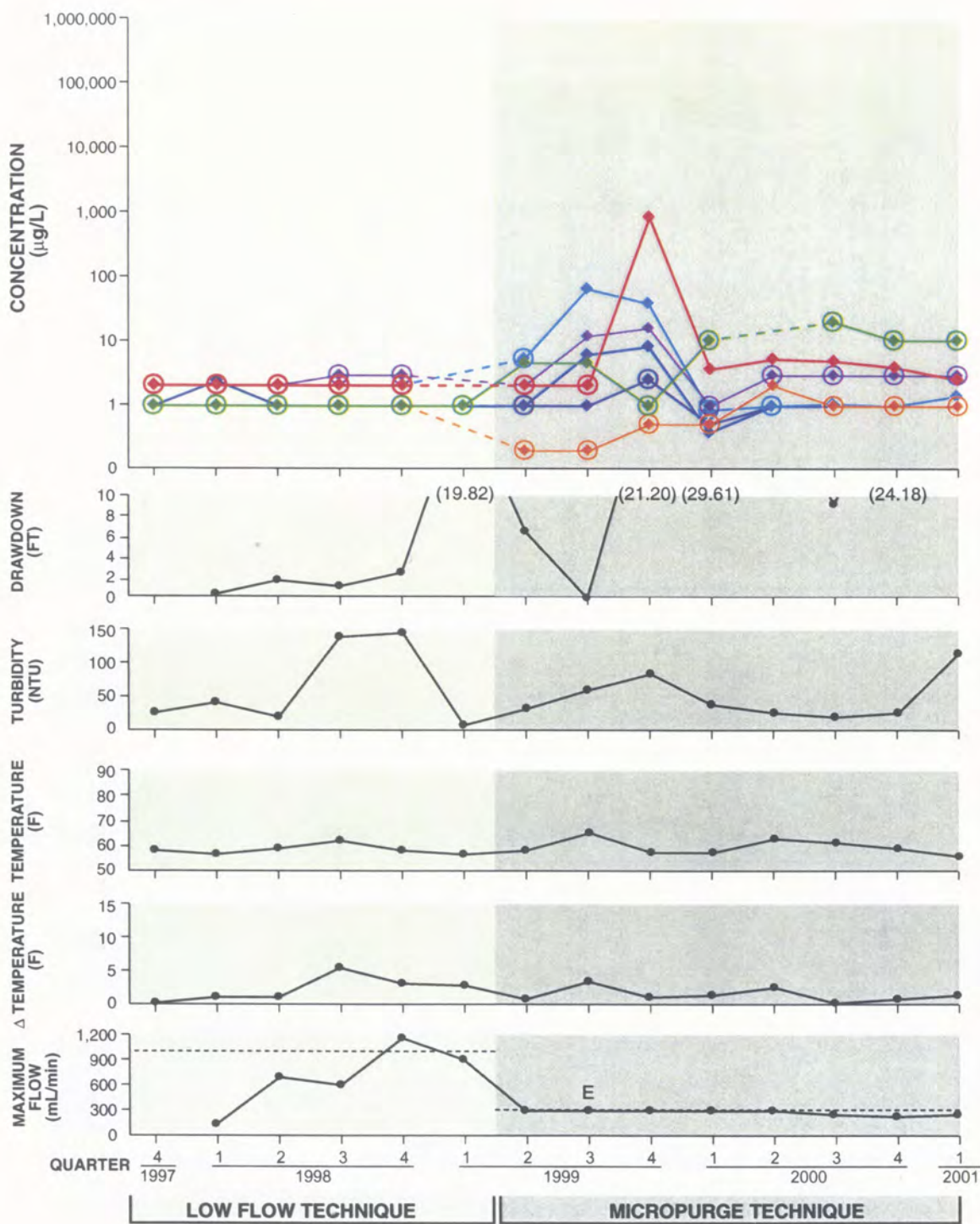


**LEGEND**

- Asenic
- Chromium
- Lead
- Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 28b. Time series plots of selected metals and field parameters for well CG-103-S2





**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 29a. Time series plots of selected organic analytes and field parameters for well CG-104-D

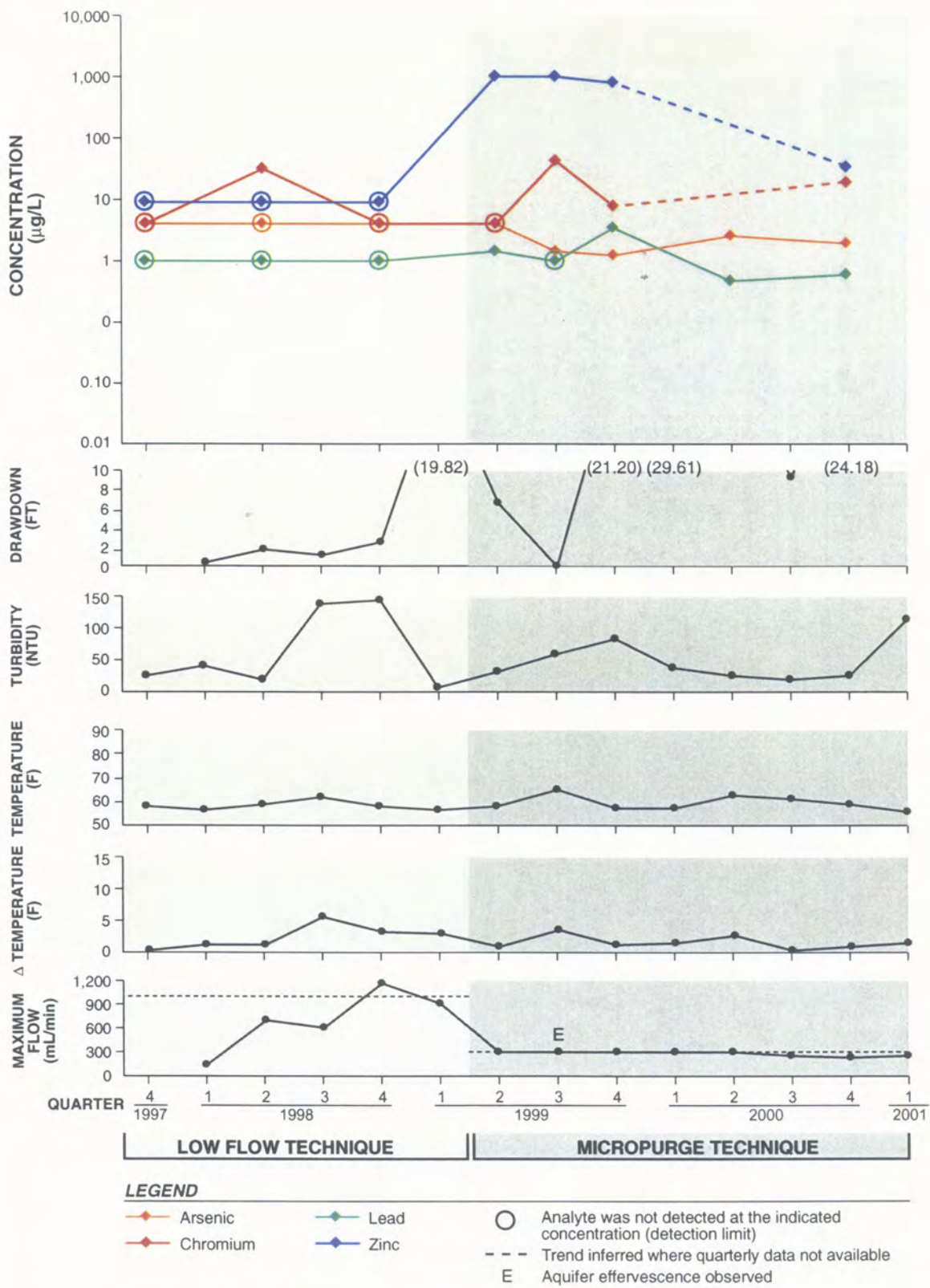


Figure 29b. Time series plots of selected metals and field parameters for well CG-104-D



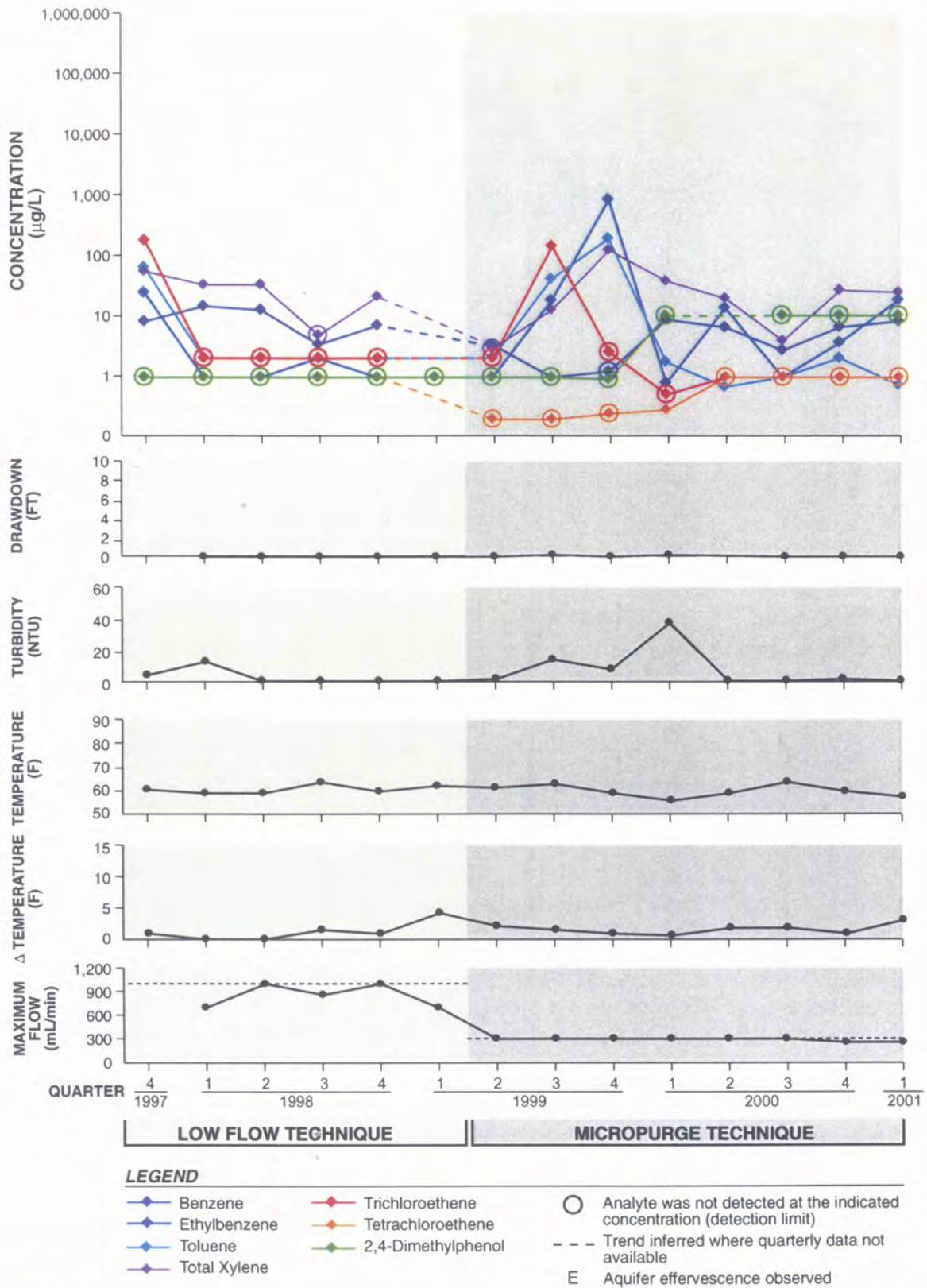


Figure 30a. Time series plots of selected organic analytes and field parameters for well CG-104-I

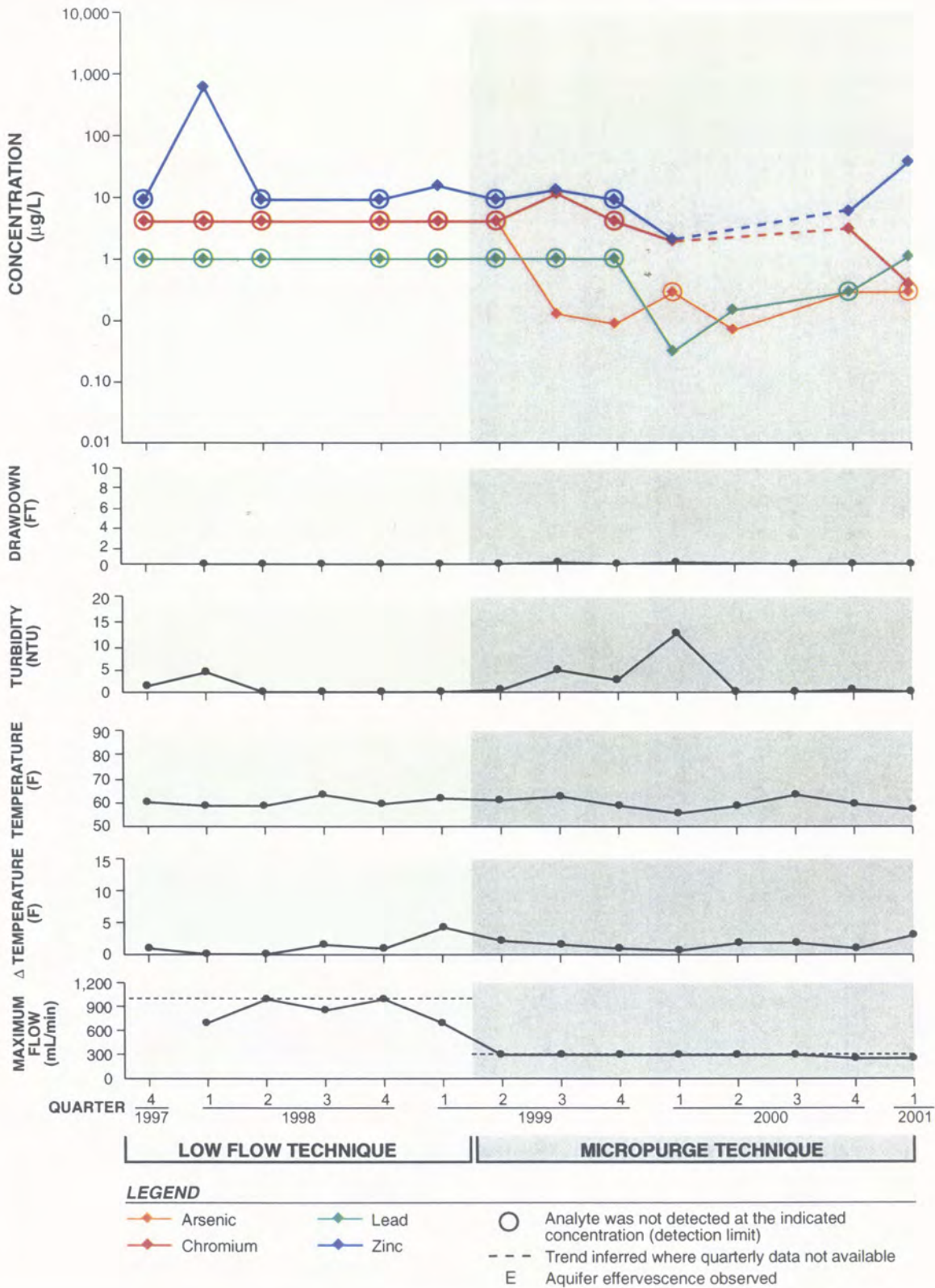


Figure 30b. Time series plots of selected metals and field parameters for well CG-104-I



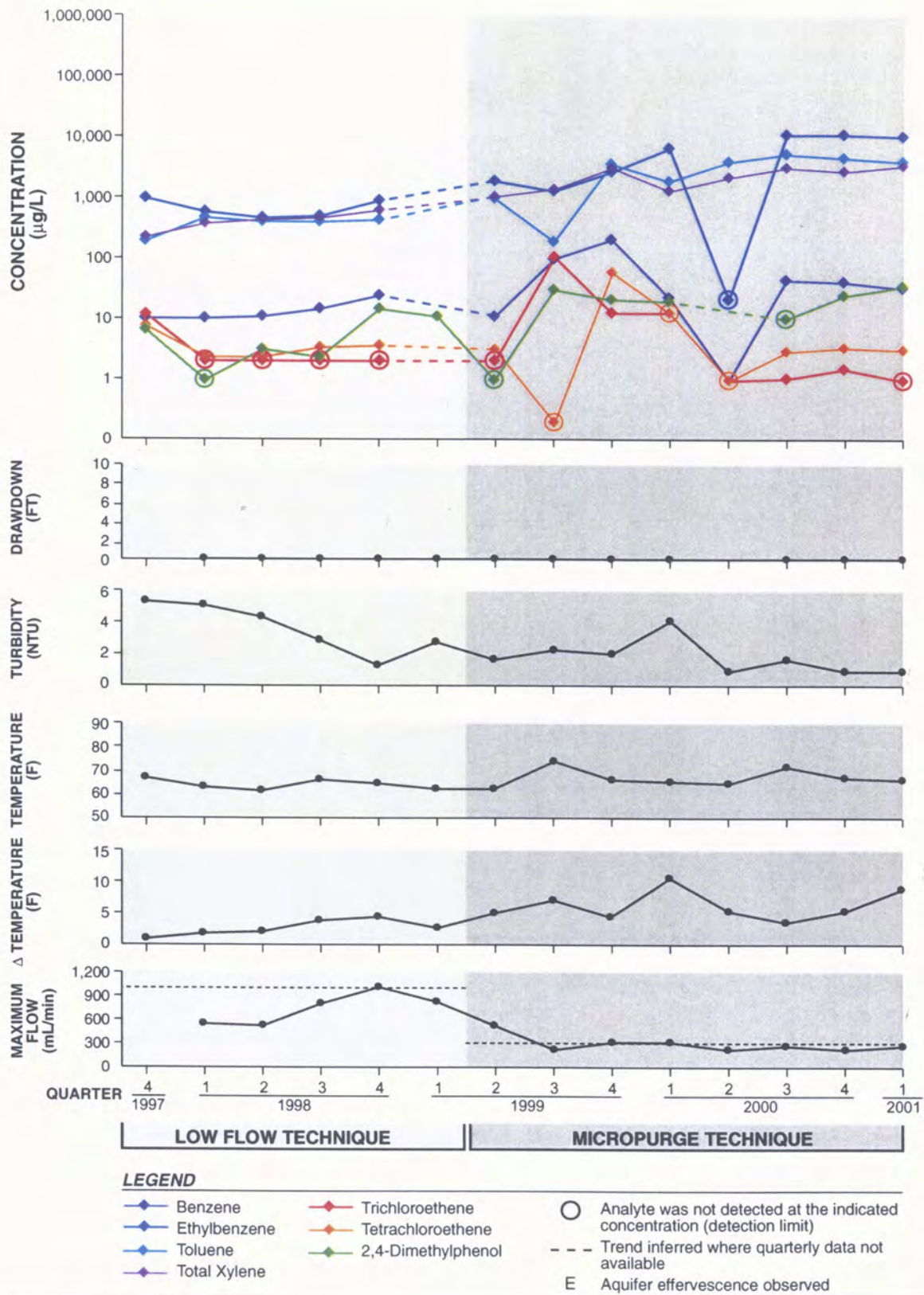


Figure 31a. Time series plots of selected organic analytes and field parameters for well CG-104-S1

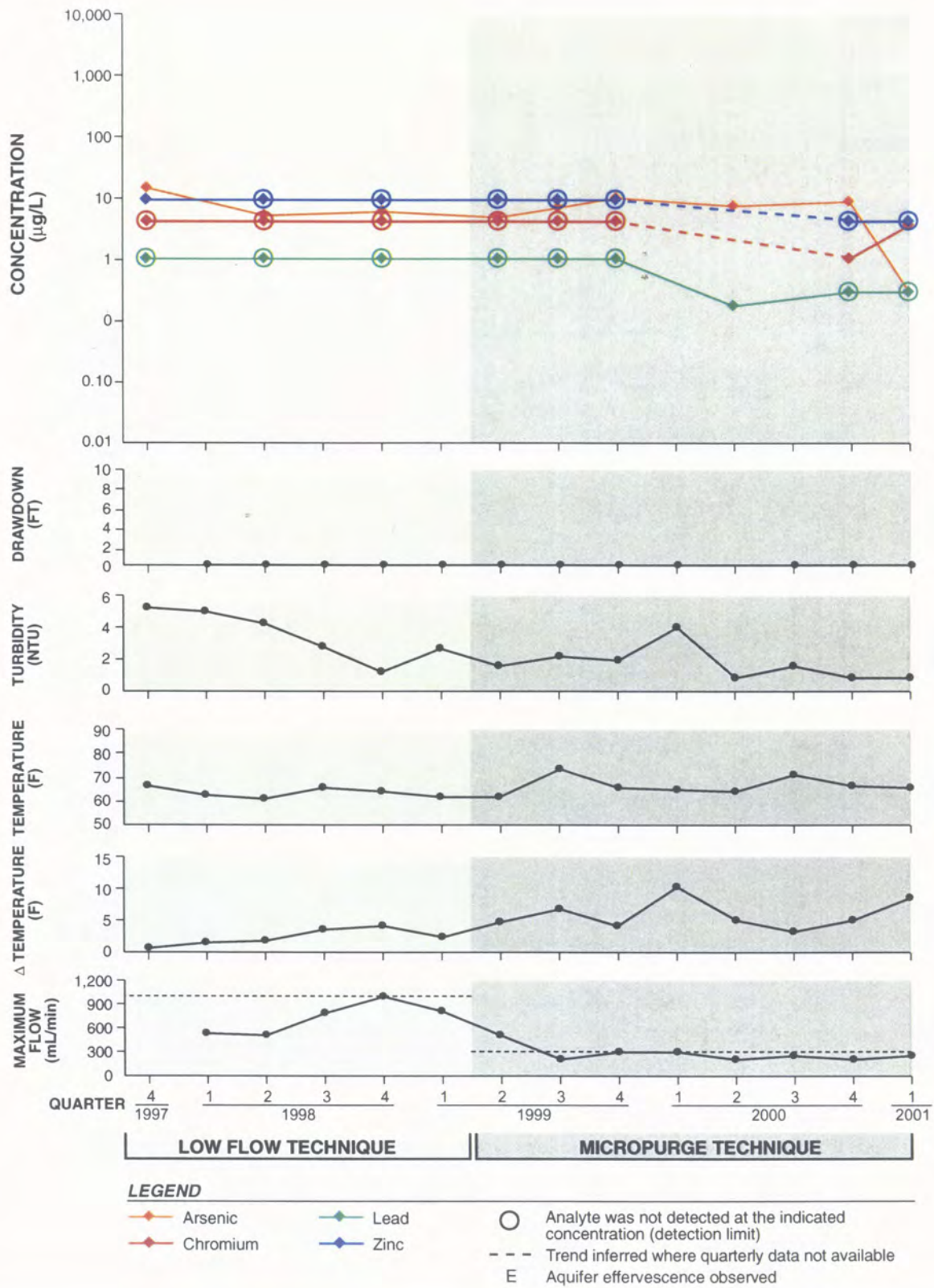


Figure 31b. Time series plots of selected metals and field parameters for well CG-104-S1



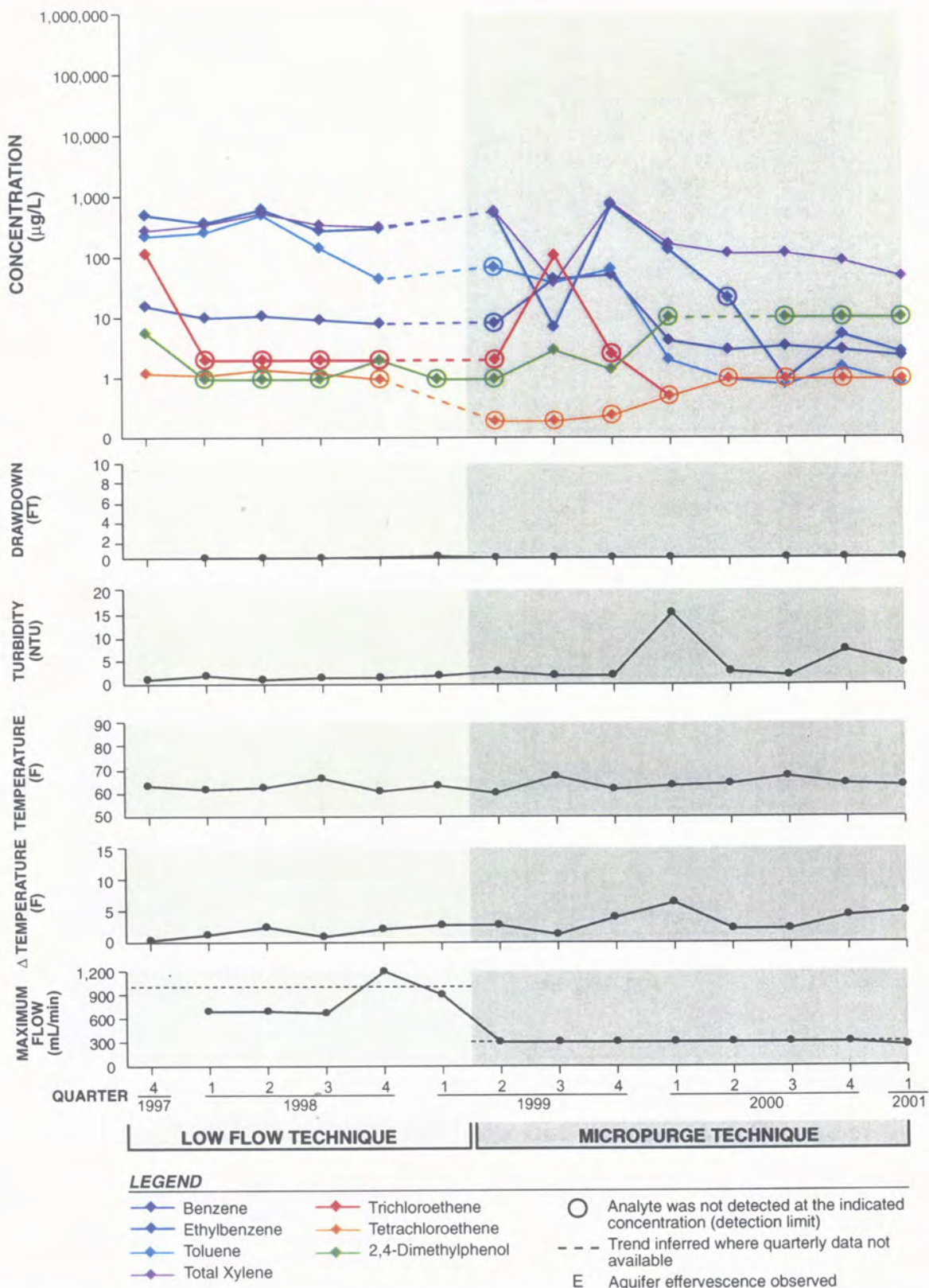


Figure 32a. Time series plots of selected organic analytes and field parameters for well CG-104-S2

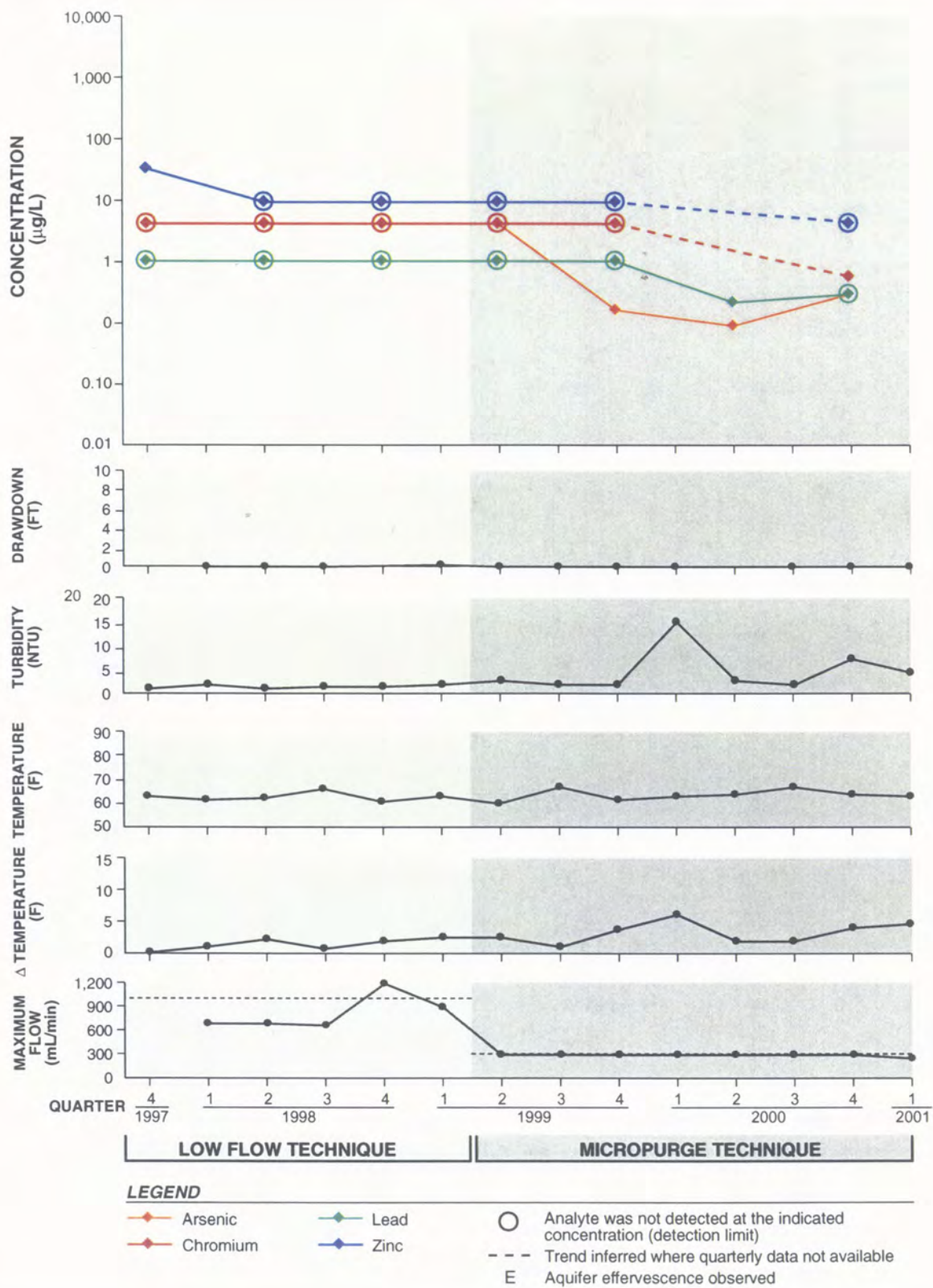


Figure 32b. Time series plots of selected metals and field parameters for well CG-104-S2



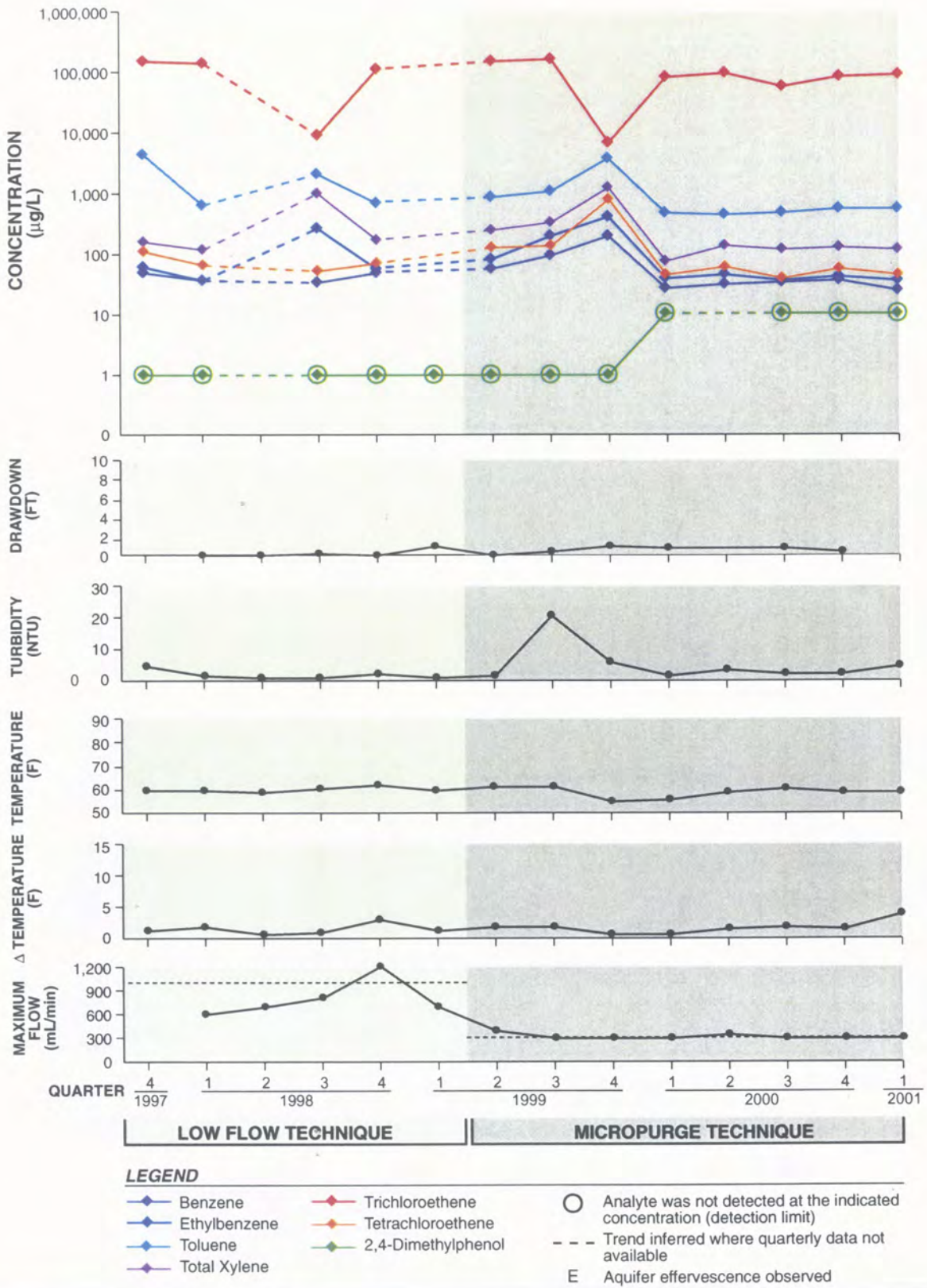


Figure 33a. Time series plots of selected organic analytes and field parameters for well CG-105-I

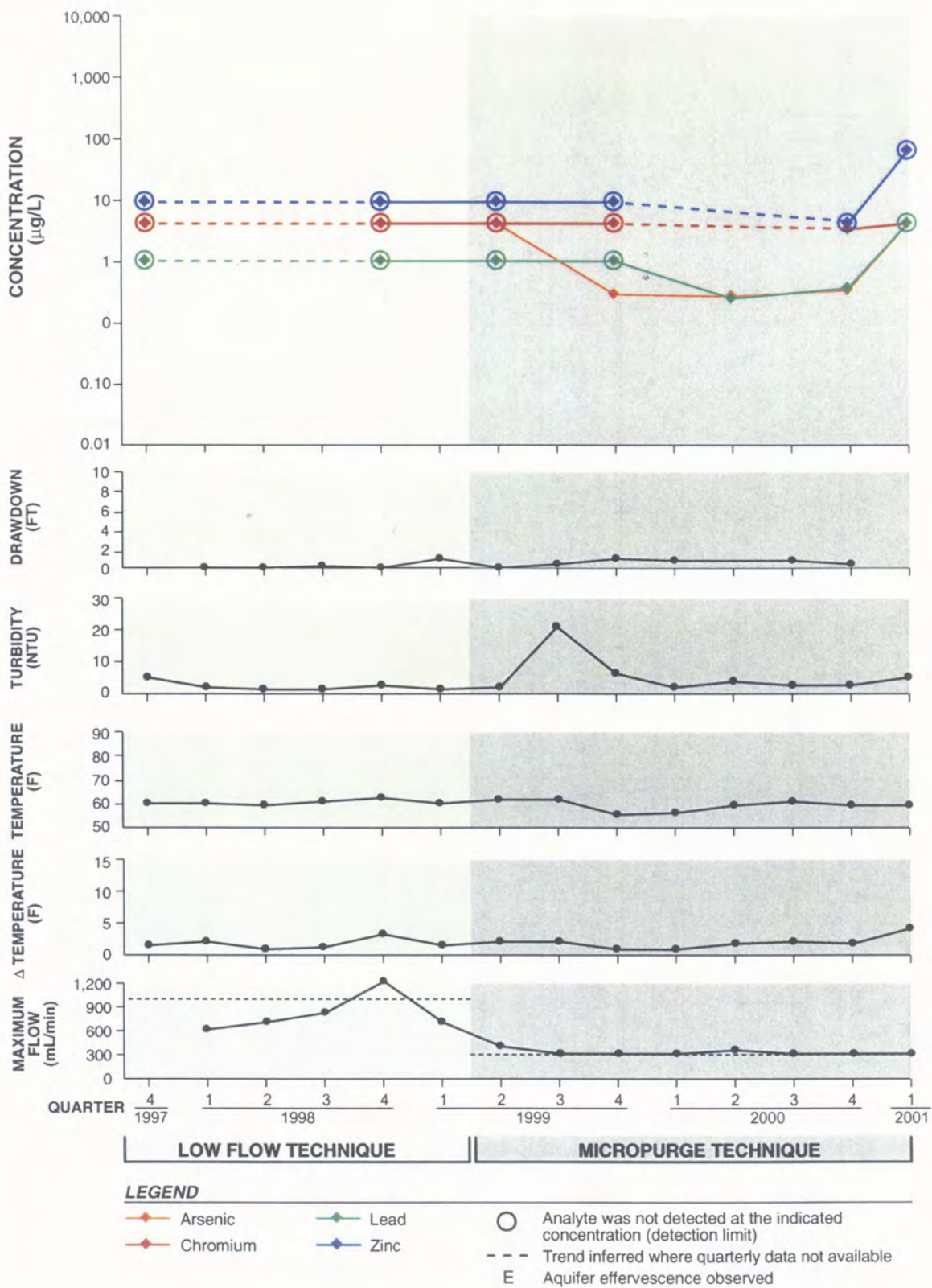


Figure 33b. Time series plots of selected metals and field parameters for well CG-105-I



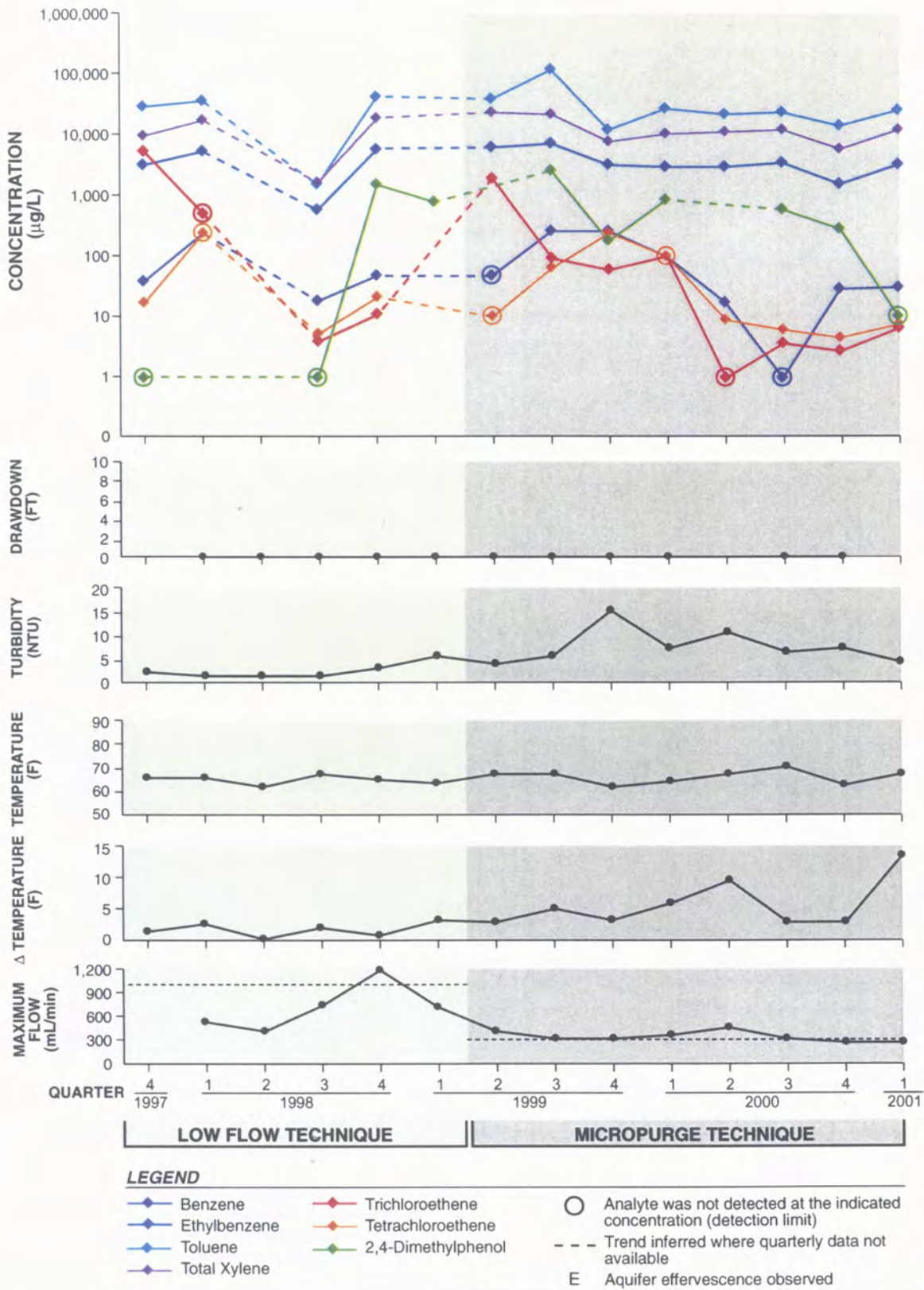


Figure 34a. Time series plots of selected organic analytes and field parameters for well CG-105-S1

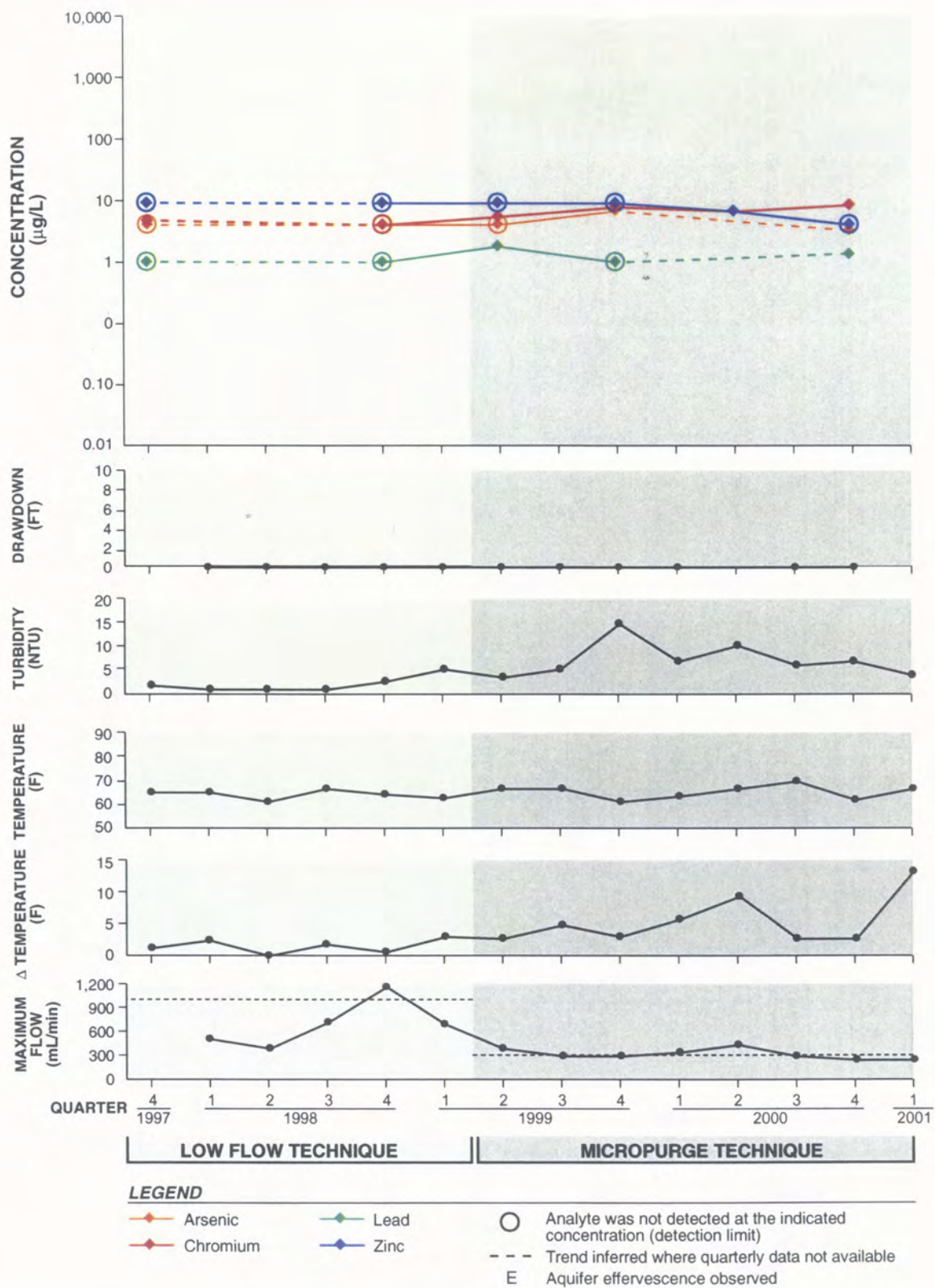


Figure 34b. Time series plots of selected metals and field parameters for well CG-105-S1



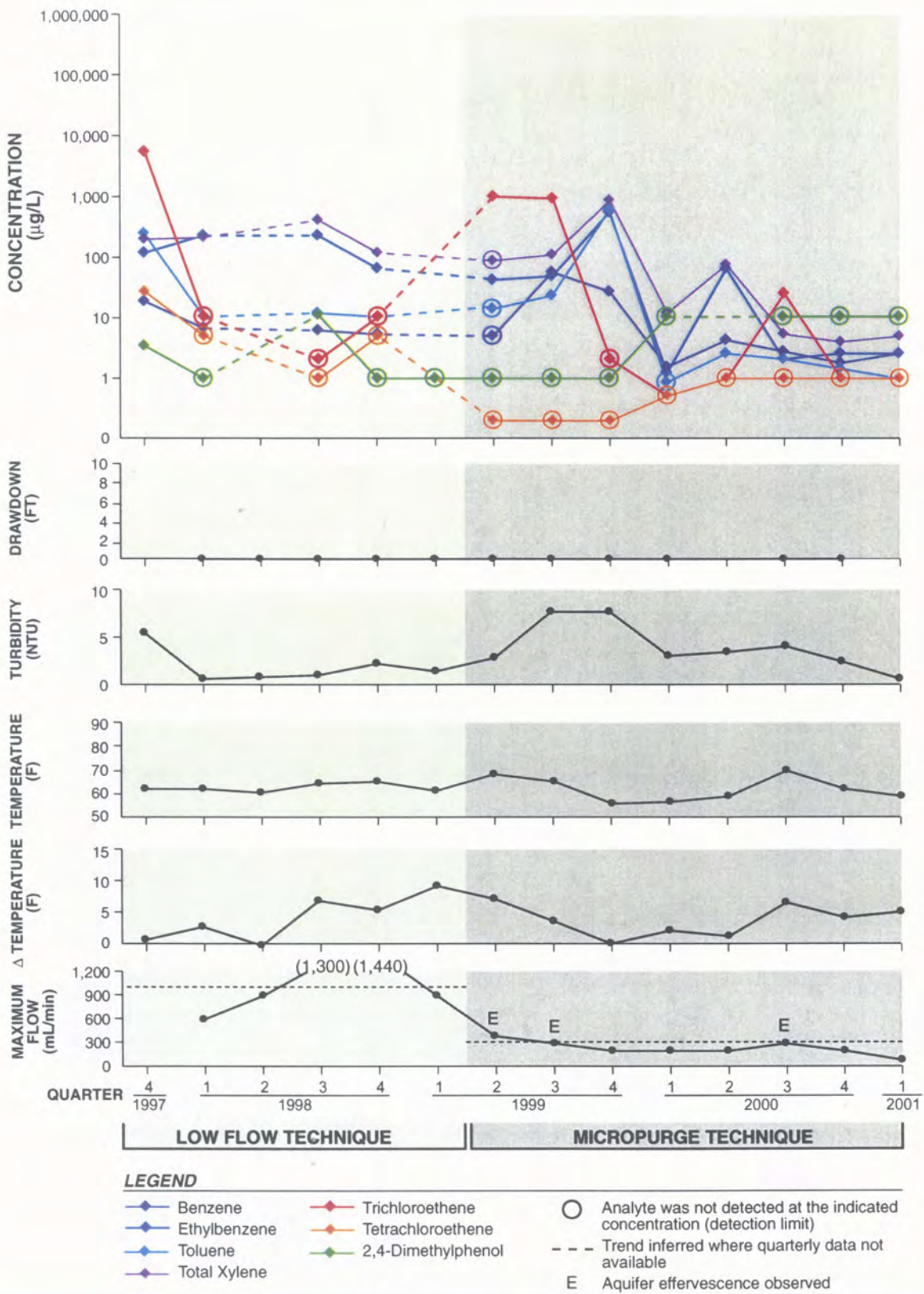
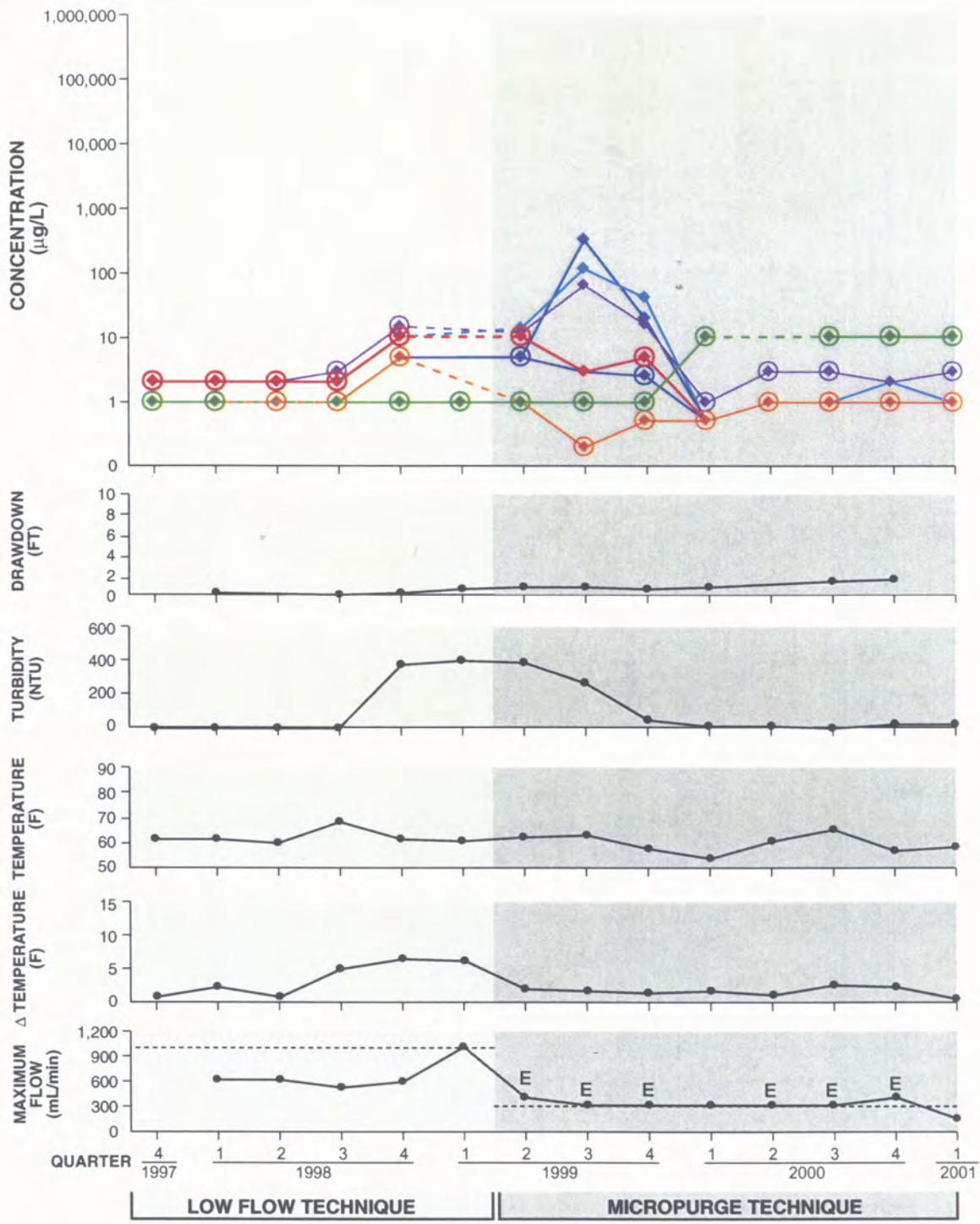


Figure 35. Time series plots of selected organic analytes and field parameters for well CG-105-S2



**LEGEND**

◆ Benzene	◆ Trichloroethene	○ Analyte was not detected at the indicated concentration (detection limit)
◆ Ethylbenzene	◆ Tetrachloroethene	- - - Trend inferred where quarterly data not available
◆ Toluene	◆ 2,4-Dimethylphenol	E Aquifer effervescence observed
◆ Total Xylene		

Figure 36a. Time series plots of selected organic analytes and field parameters for well CG-111-I



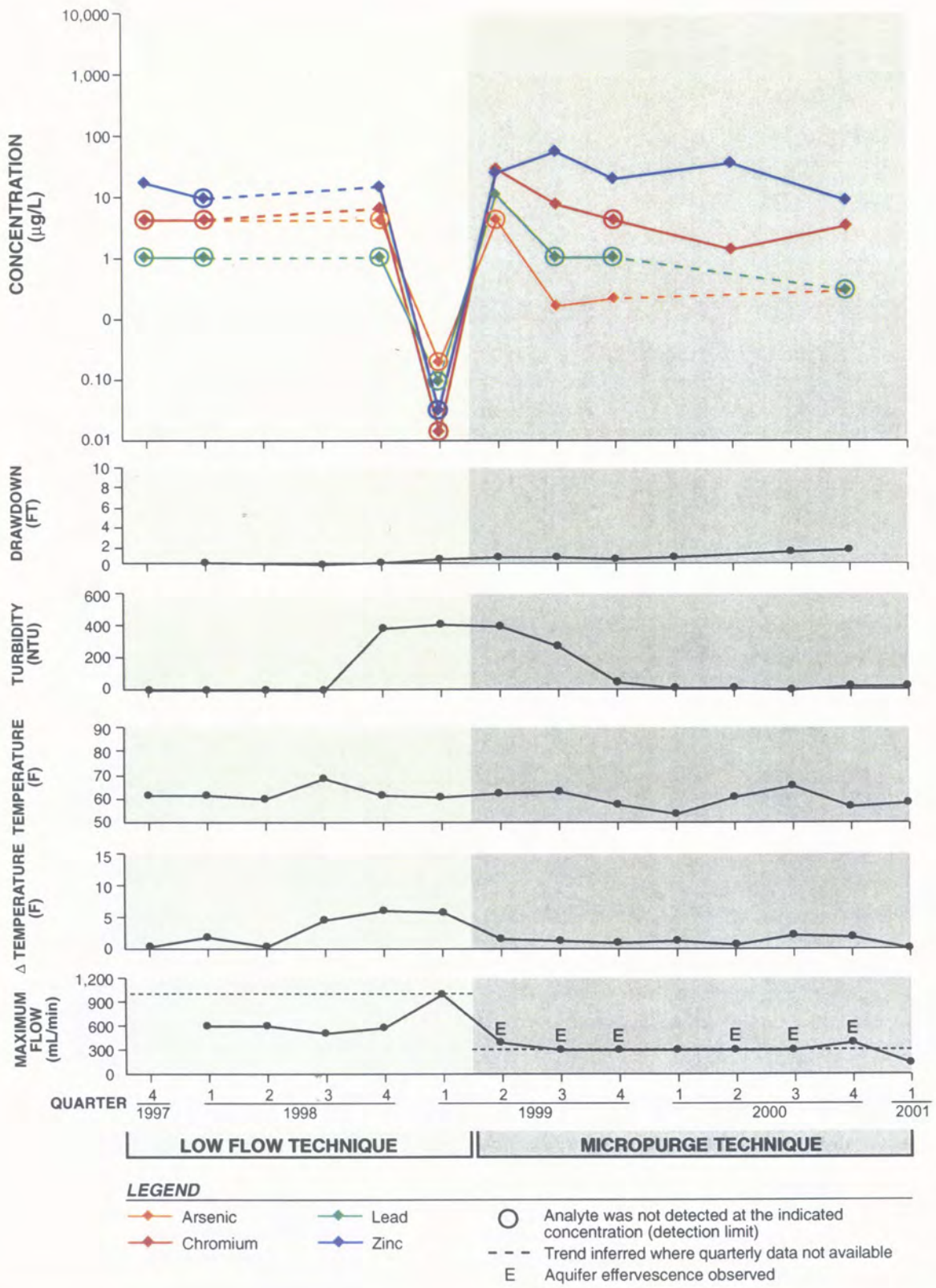
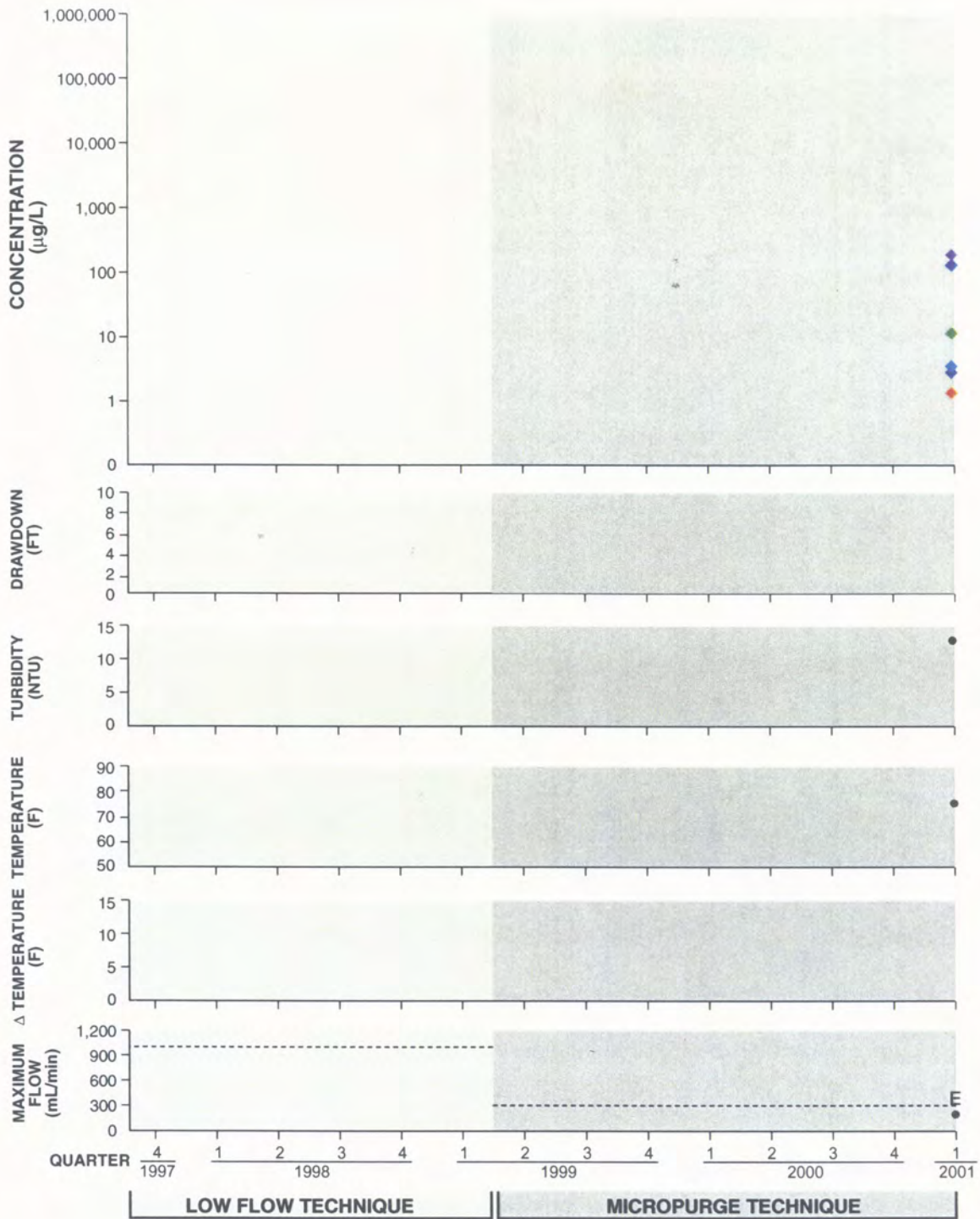


Figure 36b. Time series plots of selected metals and field parameters for well CG-111-l

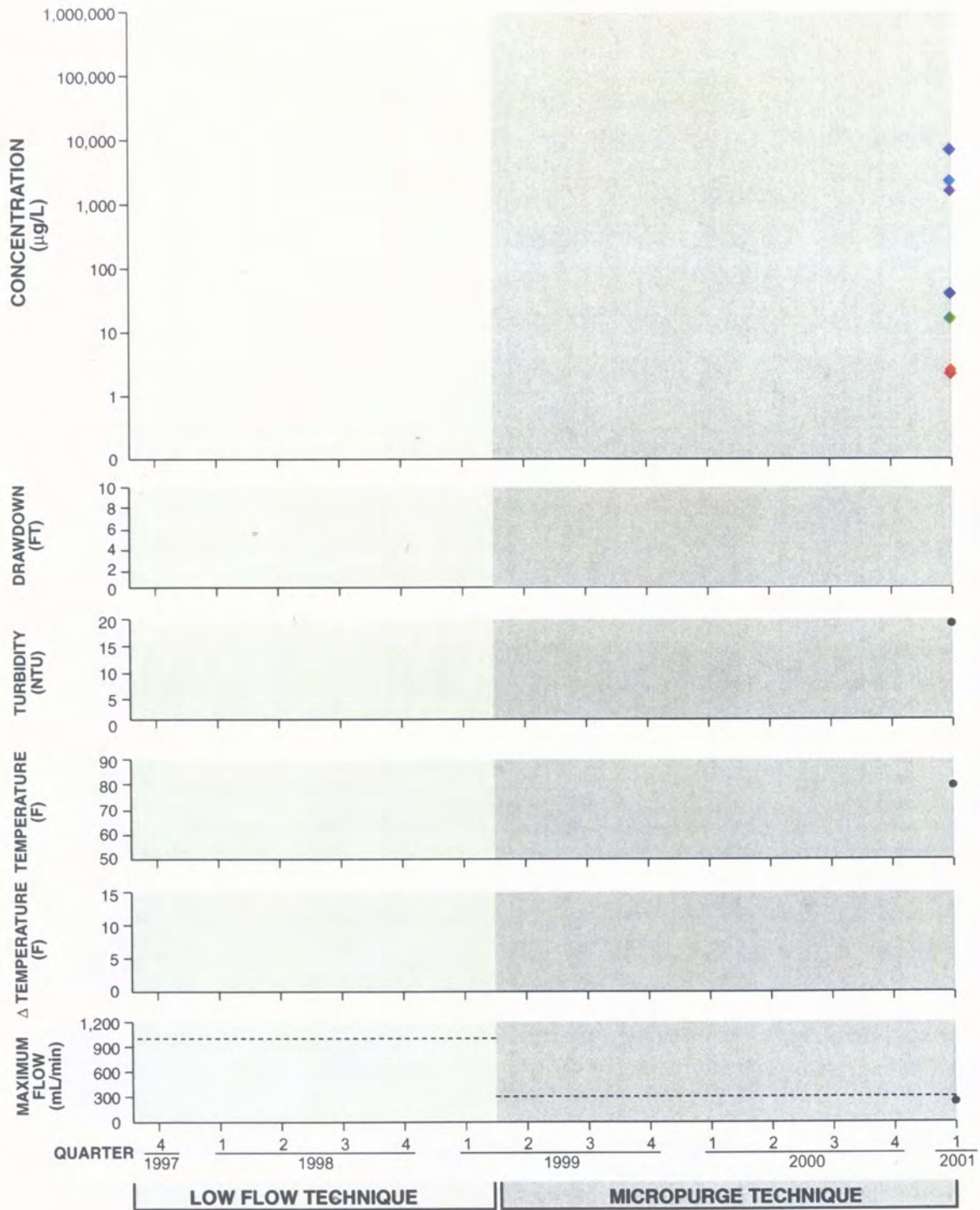


**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 37. Time series plots of selected organic analytes and field parameters for well CG-112-S1 (well installed fourth quarter, 2000)

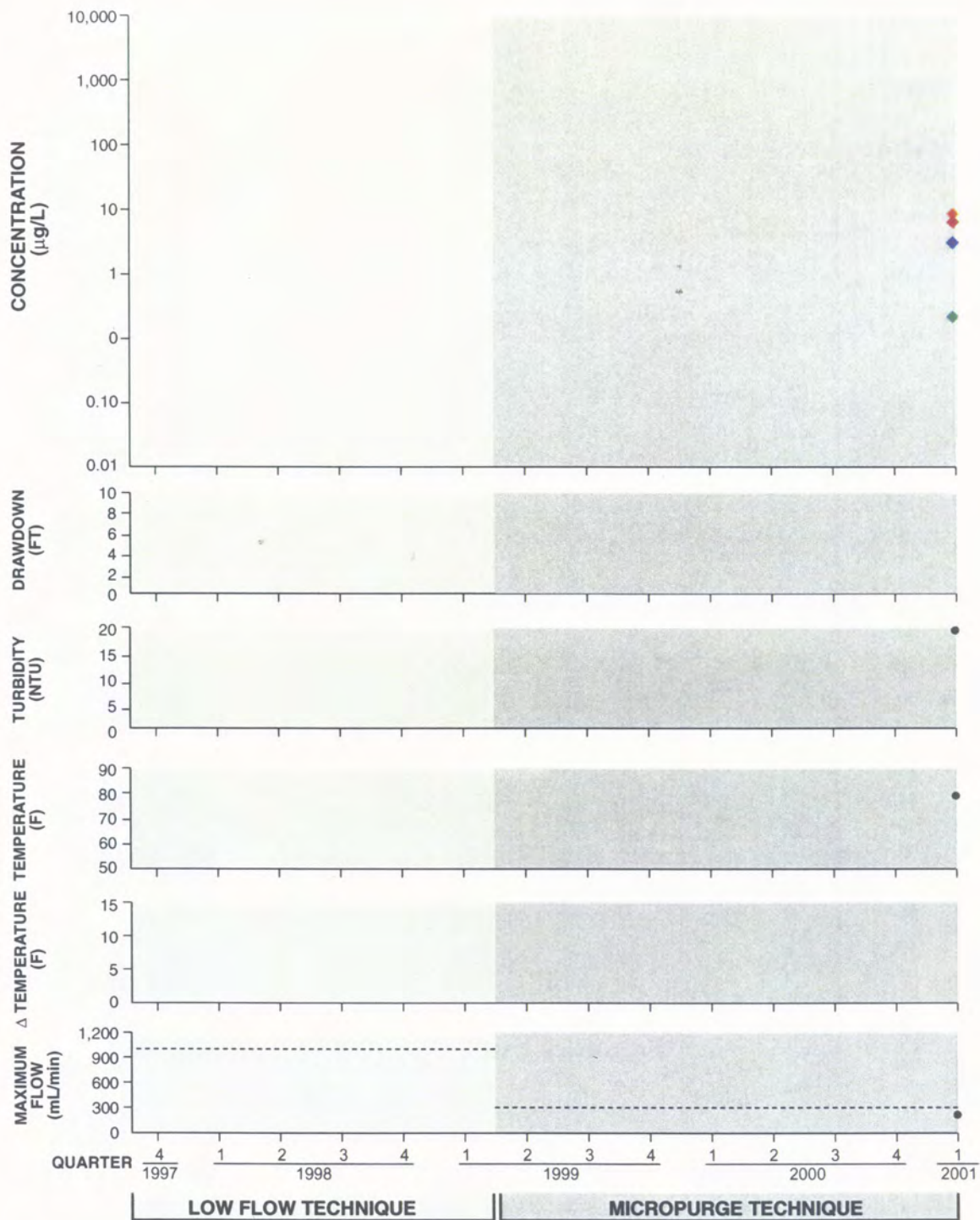




**LEGEND**

- ◆ Benzene
- ◆ Ethylbenzene
- ◆ Toluene
- ◆ Total Xylene
- ◆ Trichloroethene
- ◆ Tetrachloroethene
- ◆ 2,4-Dimethylphenol
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 38a. Time series plots of selected organic analytes and field parameters for well CG-113-S1 (well installed fourth quarter, 2000)



**LEGEND**

- Arsenic
- Chromium
- Lead
- Zinc
- Analyte was not detected at the indicated concentration (detection limit)
- - - Trend inferred where quarterly data not available
- E Aquifer effervescence observed

Figure 38b. Time series plots of selected metals and field parameters for well CG-113-S1 (well installed fourth quarter, 2000)



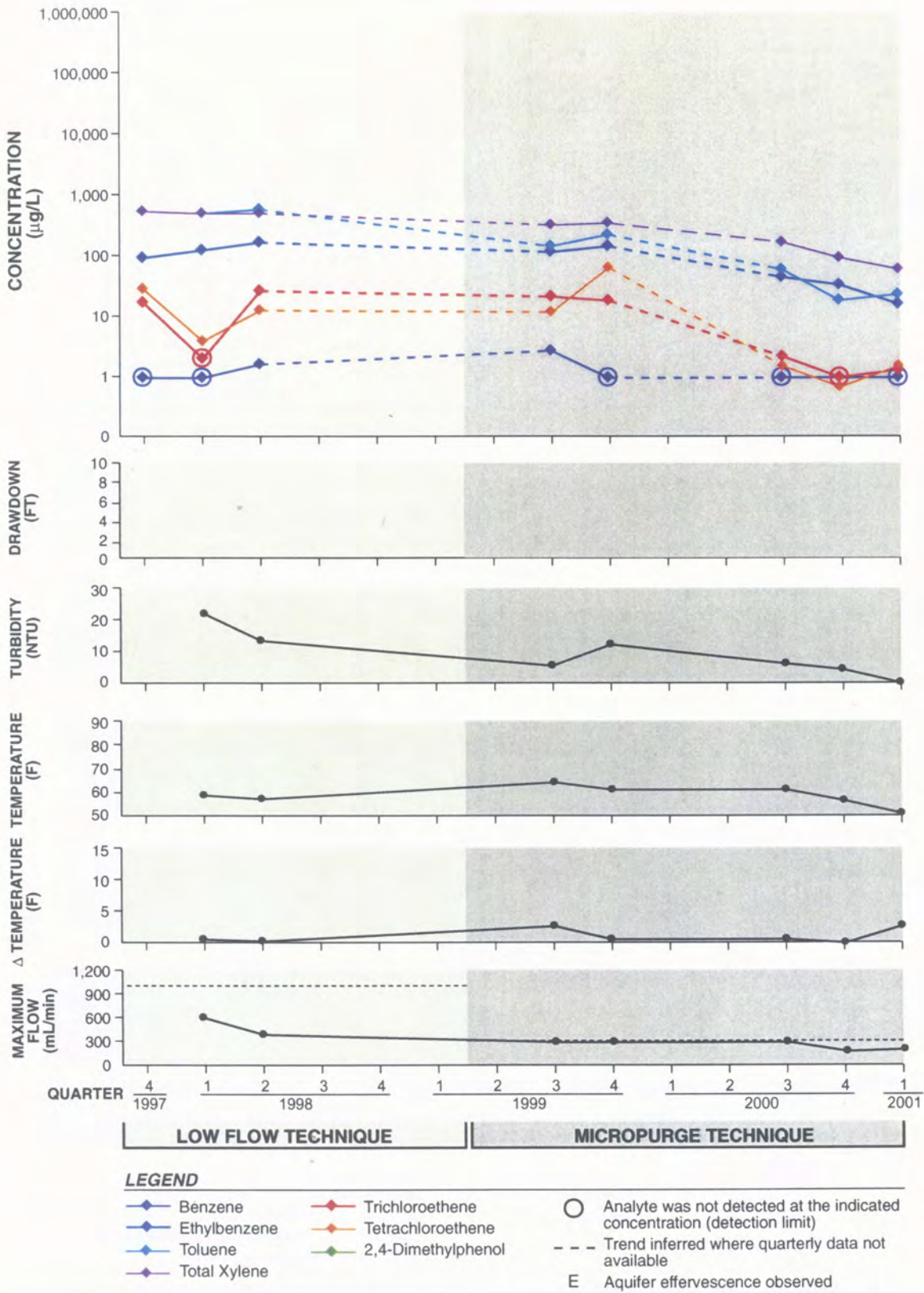
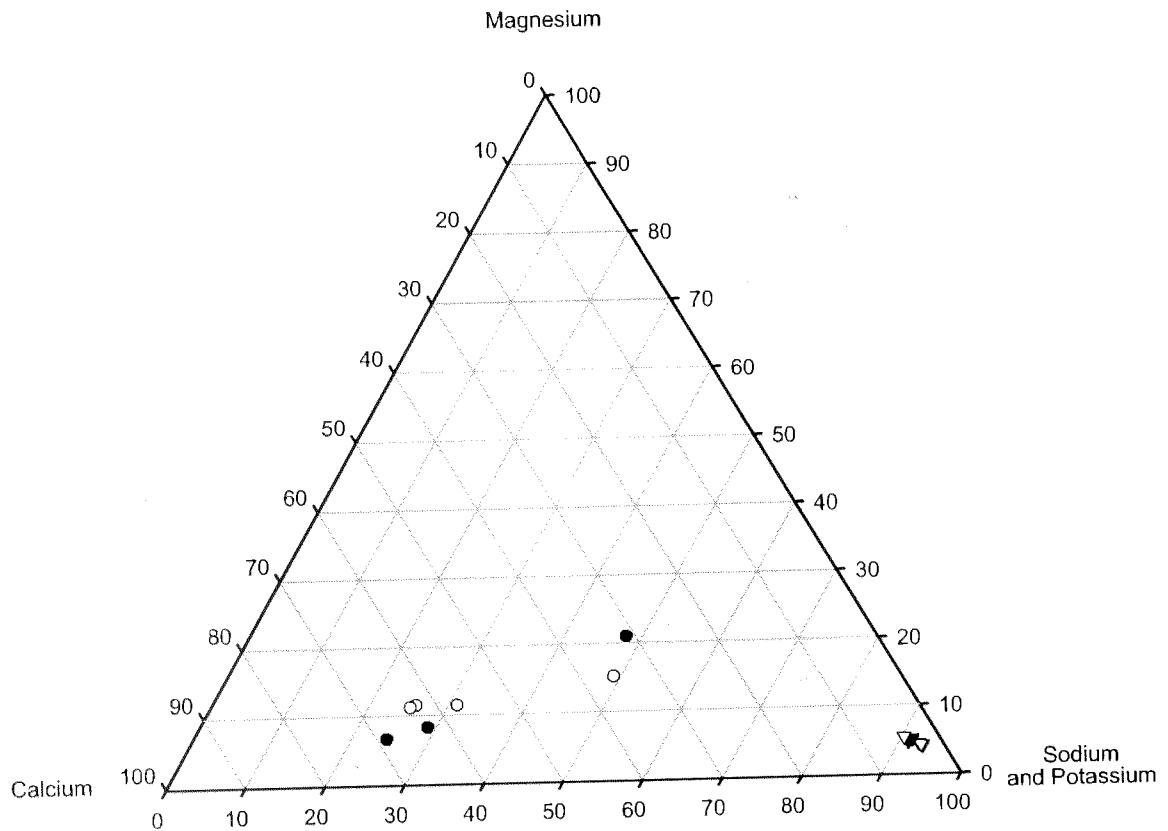


Figure 39. Time series plots of selected organic analytes and field parameters for well CG-V-1



**LEGEND**

- CG101-S1 before micropurge sampling
- CG101-S1 sampled using micropurge techniques
- ▼ CG111-I before micropurge sampling
- ▽ CG111-I sampled using micropurge techniques

Figure 40. Reported values of calcium, magnesium, sodium, and potassium in groundwater for CG101-S1 and CG111-I before and after the initiation of the micropurge sampling technique

## **Tables**

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**Table 1. Summary of quarterly groundwater data collected at PSC's Georgetown facility**

	Groundwater Data						Water Quality Data
	Metals	PCBs/ Pesticides	VOCs	SVOCs	Dioxins	Conventionals/ Other Parameters	
<b>1992</b>							
First Quarter	--	--	--	--	--	--	
Second Quarter	--	--	--	--	--	--	
Third Quarter	X	X	X	X	--	--	
Fourth Quarter	X	X	X	X	--	--	
<b>1993</b>							
First Quarter	X	X	X	X	--	X	
Second Quarter	X	X	X	X	--	--	
Third Quarter	X	X	X	X	--	--	
Fourth Quarter	X	X	X	X	--	X	
<b>1994</b>							
First Quarter	X	X	X	X	--	--	X (hard copy only)
Second Quarter	X	X	X	X	--	--	X (hard copy only)
Third Quarter	X	X	X	X	--	--	X (hard copy only)
Fourth Quarter	X	X	X	X	--	--	X (hard copy only)
<b>1995</b>							
First Quarter	X	X	X	X	--	--	X (hard copy only)
Second Quarter	X	X	X	X	--	--	X (hard copy only)
Third Quarter	--	--	X	X	--	--	X (hard copy only)
Fourth Quarter	X	X	X	X	--	--	X (hard copy only)
<b>1996</b>							
First Quarter	X <sup>a</sup>	X <sup>a</sup>	X	X	--	X <sup>a</sup>	X (hard copy only)
Second Quarter	X	X	X	X	--	--	X (hard copy only)
Third Quarter	--	--	X	X	--	--	X (hard copy only)
Fourth Quarter	X	X	X	X	--	--	X (hard copy only)
<b>1997</b>							
First Quarter	--	--	X	X	--	--	X (hard copy only)
Second Quarter	X	X	X	X	--	--	X (hard copy only)
Third Quarter	--	--	X	X	--	--	X (hard copy only)
Fourth Quarter	X	X	X	X	--	--	X
<b>1998</b>							
First Quarter	X	X	X	X	--	X	X
Second Quarter	X	X	X	X	--	--	X
Third Quarter	X	--	X	X	--	X	X
Fourth Quarter	X	X	X	X	--	X	X
<b>1999</b>							
First Quarter	X	X	X	X	--	X	X
Second Quarter	X	X	X	X	--	X	X
Third Quarter	X	--	X	X	--	X	X
Fourth Quarter	X	X	X	X	--	X	X
<b>2000</b>							
First Quarter	X	X	X	X	--	X	X
Second Quarter	X	X	X	X	X	X	X
Third Quarter	X	--	X	X	--	X	X
Fourth Quarter	X	X	X	X	--	X	X
<b>2001</b>							
First Quarter	X	--	X	X	--	X	X

**Note:** X - Exponent has data  
 - Exponent does not have data  
 -- - no samples collected

<sup>a</sup> Results not validated.

**Table 2. Selected well completion details**

Well	Installation Date	Total Borehole Depth (ft bgs)	Screen Interval (ft bgs)	Description of Soil at Screen Interval
CG101-S1	05/06/92	17.5	7.0-17.0	SP
CG102-D	07/13/92	130.0	101.5-111.5	GW/SP
CG102-I	06/14/92	69.0	53.0-63.0	ML/SP
CG102-S1	05/20/92	17.8	7.3-17.3	SP
CG102-S2	05/22/92	31.5	20.0-30.0	SP
CG103-I	06/05/92	80.0	61.0-71.0	SP/ML
CG103-S1	05/08/92	18.0	7.5-17.5	SP
CG103-S2	05/11/92	35.5	25.0-35.0	SP
CG104-D	07/20/92	127.0	113.0-123.0	SP
CG104-I	06/14/92	70.0	55.5-65.5	ML/SM
CG104-S1	05/12/92	18.0	7.5-17.5	SP
CG104-S2	05/13/92	33.0	20.5-30.5	SP
CG105-I	06/11/92	76.5	56.2-66.2	SP/ML
CG105-S1	05/14/92	17.5	7.0-17.0	SP
CG105-S2	05/15/92	35.0	25.0-35.0	SP
CG10-S1	07/08/89	17.5	5.5-15.5	SP
CG111-I	07/06/92	60.0	42.0-52.0	ML/SM
CG112-S1	11/20/00	15.5	5.0-15.0	SM/ML
CG113-S1	11/20/00	15.5	5.0-15.0	SP
CG11-I	09/03/98	68.0	56.0-66.0	ML/SM
CG11-S1	07/19/89	17.0	5.0-15.0	GM
CG12-I	09/04/98	65.0	53.0-63.0	SP/SM
CG1-D	11/28/87	109.0	98.0-108.0	SP
CG1-I	08/30/89	66.0	53.0-63.0	ML
CG1-S1	07/18/89	17.5	5.5-15.5	SP
CG2-D	12/02/87	128.5	118.0-128.0	ML
CG2-I	08/22/89	70.5	55.0-65.0	SP/SM
CG2-S1	07/31/89	20.5	8.5-18.5	SP
CG3	12/23/87	31.5	20.0-30.0	SP
CG4-D	06/16/89	109.5	95.0-105.0	SW/SM
CG5-D	06/29/89	123.0	98.0-108.0	SM/SP
CG5-I	08/17/89	64.5	53.5-63.5	SM/ML
CG5-S1	07/05/89	17.0	5.0-15.0	SP
CG6-S1	07/19/89	16.8	5.0-15.0	SP
CG7-S1	07/14/89	38.0	5.5-15.5	SP
CG8-S1	07/27/89	20.0	8.0-18.0	SP
CG9-I	08/25/89	75.0	63.0-73.0	SP/SM
CG9-S1	07/25/89	19.0	7.0-17.0	SP
CGV-1	11/11/91	35.0	--	--

- Note:** ft bgs - feet below ground surface
- GW - well-graded gravels, little or no fines
  - ML - inorganic silts and very fine sands
  - SM - silty-sands, sandy-silt mixtures
  - SP - poorly-graded sands, little or no fines
  - SW - well-graded sands, little or no fines

**Table 3. Variations from standard operating procedure by well and quarter**

Well	1999			2000				2001
	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	1st Quarter
CG-101-S1	--	--	--	--	--	--	R(400)	--
CG-102-D	DT(400) <sup>a</sup>	DR <sup>a</sup>	T	DT(400) <sup>b</sup>	T	C <sup>a</sup>	D <sup>a</sup>	RT <sup>a</sup>
CG-102-I	(400) <sup>a</sup>	T	T <sup>b</sup>	R	DR(400)	--	DT <sup>b</sup>	--
CG-102-S1	--	--	--	--	--	--	(400)	--
CG-102-S2	--	T	--	T <sup>b</sup>	R	--	--	--
CG-103-I	T(400) <sup>a</sup>	RT	T	T <sup>b</sup>	R	RT <sup>b</sup>	P	RT <sup>a</sup>
CG-103-S1	--	--	--	--	DR	--	--	--
CG-103-S2	R	R	T <sup>b</sup>	--	R	RT	DRT <sup>b</sup>	D
CG-104-D	--	RT <sup>a</sup>	T	--	T <sup>b</sup>	T	--	--
CG-104-I	--	--	--	DT <sup>b</sup>	R	D	RT <sup>b</sup>	R
CG-104-S1	--	--	--	--	RTEMP	--	DR	--
CG-104-S2	--	--	--	D	R	CP	RT <sup>b</sup>	--
CG-105-I	(400) <sup>a</sup>	R	R	R	R(350)	R	--	DRT <sup>b</sup>
CG-105-S1	--	--	--	(350)	--	R	RT <sup>b</sup>	--
CG-105-S2	DR(400) <sup>a</sup>	DRT <sup>a</sup>	--	--	--	DR	CR	--
CG-10-S1	--	--	--	--	R	CDR	--	--
CG-111-I	D(400) <sup>a</sup>	DR <sup>a</sup>	--	T <sup>b</sup>	D <sup>a</sup>	T <sup>a</sup>	RT(400) <sup>a</sup>	--
CG-112-S1	--	--	--	--	--	--	--	D
CG-113-S1	--	--	--	--	--	--	--	D
CG-11-I	D <sup>a</sup>	D(325) <sup>a</sup>	DRT <sup>a</sup>	DRT	RT	(400)	DRT <sup>a</sup>	DT <sup>a</sup>
CG-11-S1	--	--	--	--	R	R	RT <sup>b</sup>	--
CG-12-I	D <sup>a</sup>	DR <sup>a</sup>	D <sup>a</sup>	DT <sup>b</sup>	--	--	CT <sup>a</sup>	DT <sup>a</sup>
CG-1-D	--	--	T <sup>b</sup>	DT <sup>b</sup>	(350)	T <sup>b</sup>	T <sup>b</sup>	--
CG-1-I	DT(400) <sup>a</sup>	DPT <sup>a</sup>	--	D <sup>a</sup>	R	RT <sup>b</sup>	DRT <sup>a</sup>	D <sup>a</sup>
CG-1-S1	--	--	--	--	R	R	R	DRTEMP
CG-2-D	T(400) <sup>a</sup>	DT	R <sup>a</sup>	DT <sup>a</sup>	DRT <sup>a</sup>	--	C <sup>a</sup>	DT <sup>a</sup>
CG-2-I	(400) <sup>a</sup>	T	DRT <sup>b</sup>	--	DR(400)	RT	DT <sup>b</sup>	--
CG-2-S1	--	--	DT <sup>a</sup>	--	--	--	--	--
CG-3	(400) <sup>a</sup>	T	T(400) <sup>b</sup>	C	R	D	CDT <sup>b</sup>	D
CG-4-D	(400) <sup>a</sup>	T	--	T <sup>b</sup>	P	R	--	D
CG-5-D	(400) <sup>a</sup>	T <sup>a</sup>	T(400) <sup>a</sup>	T <sup>b</sup>	R	DR	D <sup>a</sup>	D
CG-5-I	D <sup>a</sup>	DR <sup>a</sup>	--	--	R	--	T <sup>a</sup>	DT <sup>a</sup>
CG-5-S1	--	--	DT <sup>a</sup>	--	--	--	--	--
CG-6-S1	--	--	RTEMP	CDRPT <sup>a</sup>	CRTEMP	DRTTEMP	--	D <sup>a</sup>
CG-7-S1	--	--	--	D	--	R	R	DR <sup>a</sup>
CG-8-S1	--	--	--	--	R	CR	--	--
CG-9-I	T <sup>a</sup>	DT <sup>a</sup>	D <sup>a</sup>	C <sup>a</sup>	CDRT <sup>a</sup>	CDRT <sup>a</sup>	C <sup>a</sup>	DRTTEMP <sup>a</sup>
CG-9-S1	--	--	--	--	--	--	--	--
CG-V-1	--	--	--	--	--	CP	CDT <sup>b</sup>	D

**Note:** Numbers in parentheses indicate a purge rate greater than purge rate in micropurge standard operating procedure.

  Drawdowns exceeding 0.3 ft are outlined.

- - all parameters stabilized
- C - conductivity not stabilized
- D - dissolved oxygen not stabilized
- P - pH not stabilized
- R - oxidation reduction potential not stabilized
- T - turbidity not stabilized
- TEMP - temperature not stabilized

<sup>a</sup>Unable to maintain steady flow due to aquifer effervescence.

<sup>b</sup>Turbidity less than 10 NTU.



**Table 4. Comparison of relevant groundwater sampling procedures**

Parameter	U.S. EPA (1992)	Puls and Barcelona (1995)	EPA Region 1 (U.S. EPA 1996)	EPA Region 3 (U.S. EPA 1997)	PSC (1999)
Maximum purge rate	300 mL/min	500 mL/min	400 mL/min	400 mL/min	300 mL/min
Maximum drawdown	--	0.3 ft or stable	0.3 ft or stable	0.2 ft	0.3 ft
Turbidity	10%	10%	10%	10%	10%
Dissolved oxygen	10%	10%	10%	10%	10%
Specific conductance	--	3%	3%	3%	3%
Temperature	--	--	3%	--	3%
pH	--	+/-0.1 pH unit	+/-0.1 pH unit	+/-0.1 pH unit	+/-0.1 pH unit
Oxidation reduction potential	10%	+/-10 mV	+/-10 mV	+/-10 mV	10%

**Note:** Percentages are difference between last two or three (depending on the procedure) successive measurements recorded.

-- - no requirement

**Table 5. Evaluation of time series plots showing selected organic analytes and field parameters for micropurge evaluation at Philip Services Corporation's Georgetown Facility**

Well	Program Related Issues (2nd Quarter 1999–1st Quarter 2001)			Event Related Issues (2nd Quarter 1999–1st Quarter 2001)	
	Organic Trends	Field Parameters	Detection Limits Vary	Quarter	Issue
	CG-1-D	No	No	Yes	3 Qtr 1999
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				1 Qtr 2001	Turbidity high
CG-1-I	No	No	Yes	3 Qtr 1999	Turbidity high
				4 Qtr 1999	Turbidity high
				4 Qtr 1999	TCE high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				1 Qtr 2000	TCE high
				2 Qtr 2000	TCE high
				1 Qtr 2001	Turbidity high
CG-1-S1	No	No	No	2 Qtr 1999	Turbidity high
				2 Qtr 1999	Toluene low
CG-2-D	No	No	Yes	3 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				4 Qtr 1999	Turbidity high
				4 Qtr 1999	Ethylbenzene, xylenes high
				4 Qtr 1999	TCE high
				4 Qtr 2000	Turbidity high
CG-2-I	No	Increase in Temperature Change	Yes	3 Qtr 1999	Turbidity high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
CG-2-S1	No	No	Yes	2 Qtr 2000	Turbidity high
CG-3	No	No	Yes	3 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				3 Qtr 1999	TCE high
CG-4-D	No	No	Yes	2 Qtr 1999	Toluene high
				3 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				1 Qtr 2001	Turbidity high
CG-5-D	No	No	Yes	3 Qtr 1999	Turbidity high
				4 Qtr 1999	Turbidity high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
CG-5-I	No	No	Yes	3 Qtr 1999	Turbidity high
				4 Qtr 2000	Turbidity high
				1 Qtr 2001	Turbidity high
CG-5-S1	No	Increase in Temperature Change	Yes	3 Qtr 1999	TCE high
				4 Qtr 1999	TCE high
				2 Qtr 2000	Turbidity high
CG-6-S1	No	No	No	2 Qtr 1999	TCE high
				4 Qtr 1999	TCE high
				4 Qtr 1999	PCE high
CG-7-S1	No	Increase in Temperature Change	Yes	3 Qtr 1999	Benzene, ethylbenzene, xylenes high
				3 Qtr 1999	TCE high
				1 Qtr 2001	Ethylbenzene, xylenes low
CG-8-S1	No	No	Yes	3 Qtr 1999	Benzene high
				4 Qtr 2000	Toluene, ethylbenzene, and xylenes low

Table 5. (cont.)

Well	Program Related Issues (2nd Quarter 1999–1st Quarter 2001)			Event Related Issues (2nd Quarter 1999–1st Quarter 2001)	
	Organic	Field	Detection Limits	Quarter	Issue
	Trends	Parameters	Vary		
CG-9-I	No	No	Yes	3 Qtr 1999 1 Qtr 2000 4 Qtr 2000	Turbidity high Turbidity high Turbidity high
CG-9-S1	No	Increase in Temperature Change	Yes	4 Qtr 2000	Toluene low
CG-10-S1	No	No	Yes	2 Qtr 1999 3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 4 Qtr 1999	TCE and PCE high TCE and PCE high Ethylbenzene, xylenes low TCE and PCE high Toluene high
CG-11-I	No	No	No	3 Qtr 1999 3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 4 Qtr 2000	Turbidity high Toluene, ethylbenzene, and xylenes high PCE high Turbidity high 2,4-Dimethylphenol high
CG-11-S1	No	No	No	2 Qtr 1999 3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 2 Qtr 2000 4 Qtr 2000 1 Qtr 2001	2,4-Dimethylphenol low Toluene low TCE and PCE high TCE and PCE high All organics low Benzene low Benzene low
CG-12-I	No	No	Yes	2 Qtr 1999 3 Qtr 1999	Turbidity high Toluene, xylenes high
CG-101-S1	No	No	Yes	2 Qtr 1999 2 Qtr 1999 4 Qtr 1999 1 Qtr 2000	Toluene, ethylbenzene, and xylenes high TCE high Conductivity high Toluene, ethylbenzene low
CG-102-D	No	No	Yes	3 Qtr 1999 4 Qtr 1999 1 Qtr 2001	Turbidity high Toluene, ethylbenzene, and xylenes high Turbidity high
CG-102-I	No	No	Yes	3 Qtr 1999	Benzene high
CG-102-S1	No	No	Yes	--	--
CG-102-S2	No	No	Yes	3 Qtr 1999	BTEX high
CG-103-I	No	No	No	3 Qtr 1999	Turbidity high
CG-103-S1	No	No	Yes	4 Qtr 1999 2 Qtr 1999 3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 4 Qtr 1999 4 Qtr 1999	Toluene, ethylbenzene, and xylenes high Turbidity high TCE and PCE high Benzene high TCE and PCE high Ethylbenzene high
CG-103-S2	No	No	Yes	3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 3 Qtr 2000	Benzene high TCE high 2,4-Dimethylphenol high 2,4-Dimethylphenol high

**Table 5. (cont.)**

Well	Program Related Issues (2nd Quarter 1999–1st Quarter 2001)			Event Related Issues (2nd Quarter 1999–1st Quarter 2001)	
	Organic	Field	Detection Limits	Quarter	Issue
	Trends	Parameters	Vary		
CG-104-D	No	No	Yes	3 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				4 Qtr 1999	TCE high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				1 Qtr 2001	Turbidity high
CG-104-I	No	No	Yes	3 Qtr 1999	TCE high
				3 Qtr 1999	Turbidity high
				3 Qtr 1999	Toluene high
				4 Qtr 1999	Toluene, ethylbenzene, and xylenes high
				4 Qtr 1999	Turbidity high
CG-104-S1	No	No	Yes	3 Qtr 1999	Toluene low
				3 Qtr 1999	TCE high
				4 Qtr 1999	Benzene high
				4 Qtr 1999	PCE high
				2 Qtr 2000	Benzene, ethylbenzene low
CG-104-S2	No	No	Yes	3 Qtr 1999	Benzene high
				3 Qtr 1999	Ethylbenzene, xylenes low
				3 Qtr 1999	TCE high
				4 Qtr 1999	Benzene high
CG-105-I	No	No	No	3 Qtr 1999	Turbidity high
				4 Qtr 1999	BTEX high
				4 Qtr 1999	PCE high
				4 Qtr 1999	TCE low
CG-105-S1	No	No	Yes	3 Qtr 2000	Benzene low
CG-105-S2	No	No	Yes	2 Qtr 1999	TCE high
				3 Qtr 1999	Benzene high
				3 Qtr 1999	TCE high
				4 Qtr 1999	Benzene, toluene, ethylbenzene high
CG-111-I	No	No	Yes	3 Qtr 1999	Toluene, ethylbenzene, and xylenes high
CG-112-S1	--	--	--	--	--
CG-113-S1	--	--	--	--	--
CG-V-1	No	No	No	--	--

**Note:** -- - not applicable due to insufficient data  
 BTEX - benzene, toluene, ethylbenzene, and xylenes  
 PCE - tetrachloroethene  
 Qtr - quarter  
 TCE - trichloroethene

**Table 6. Evaluation of time series plots showing selected metals and field parameters for micropurge evaluation at Philip Services Corporation's Georgetown facility**

Well	Program-Related Issues (2nd Quarter 1999–1st Quarter 2001)			Event-Related Issues (2nd Quarter 1999–1st Quarter 2001)	
	Metals Trends	Field Parameters	Detection Limits Inconsistent	Quarter	Issue
CG-1-D	No	No	Yes	3 Qtr 1999 2 Qtr 2000 1 Qtr 2001	Turbidity high Lead low Turbidity high
CG-1-I	No	No	No	3 Qtr 1999 4 Qtr 1999 1 Qtr 2001	Turbidity high Turbidity high Turbidity high
CG-1-S1	No	No	No	2 Qtr 1999	Turbidity high
CG-2-D	No	No	No	4 Qtr 1999 4 Qtr 2000	Turbidity high Turbidity high
CG-2-I	No	No	Yes	3 Qtr 1999 2 Qtr 2000 2 Qtr 2000	Turbidity high Arsenic low Lead low
CG-2-S1	No	No	Yes	2 Qtr 2000 2 Qtr 2000	Turbidity high Lead low
CG-3	No	No	Yes	4 Qtr 1999 2 Qtr 2000	Arsenic low Arsenic low
CG-4-D	No	No	Yes	4 Qtr 1999 4 Qtr 1999 1 Qtr 2001	Lead high Arsenic low Turbidity high
CG-5-D	No	No	Yes	3 Qtr 1999 3 Qtr 1999 3 Qtr 1999 4 Qtr 1999 2 Qtr 2000	Turbidity high Arsenic low Turbidity high Arsenic low Lead low
CG-5-I	No	No	No	3 Qtr 1999 4 Qtr 2000 1 Qtr 2001	Turbidity high Turbidity high Turbidity high
CG-5-S1	No	No	No	2 Qtr 2000	Turbidity high
CG-6-S1	No	No	No	2 Qtr 2000	Lead low
CG-7-S1	No	No	No	--	--
CG-8-S1	No	No	No	--	--
CG-9-I	No	No	Yes	3 Qtr 1999 1 Qtr 2000 4 Qtr 2000	Turbidity high Turbidity high Turbidity high
CG-9-S1	No	No	Yes	2 Qtr 2000	Lead low
CG-10-S1	No	No	No	--	--
CG-11-I	Decrease in Zinc after Micropurge	No	No	3 Qtr 1999 4 Qtr 1999	Turbidity high Turbidity high
CG-11-S1	No	No	No	4 Qtr 1999	Lead high
CG-12-I	Decrease in Zinc after Micropurge	No	No	2 Qtr 1999	Turbidity high
CG-101-S1	No	No	Yes	4 Qtr 1999	Arsenic low

**Table 6. (cont.)**

Well	Program-Related Issues (2nd Quarter 1999–1st Quarter 2001)			Event-Related Issues (2nd Quarter 1999–1st Quarter 2001)	
	Metals Trends	Field Parameters	Detection Limits Inconsistent	Quarter	Issue
CG-102-D	No	No	No	3 Qtr 1999 4 Qtr 1999 2 Qtr 2000 1 Qtr 2001	Turbidity high Zinc high Lead low Turbidity high
CG-102-I	No	No	Yes	--	--
CG-102-S2	No	No	Yes	2 Qtr 2000	Arsenic low
CG-103-I	No	No	Yes	3 Qtr 1999	Turbidity high
CG-103-S1	No	No	Yes	2 Qtr 1999	Turbidity high
CG-103-S2	No	No	Yes	--	--
CG-104-D	Increase of Zinc after Micropurge	No	No	2 Qtr 1999 3 Qtr 1999 4 Qtr 1999 4 Qtr 1999 1 Qtr 2001	Zinc high Zinc high Conductivity high Zinc high Turbidity high
CG-104-I	No	No	Yes	3 Qtr 1999 4 Qtr 1999 1 Qtr 2001	Turbidity high Turbidity high Zinc high
CG-104-S1	No	No	Yes	--	--
CG-104-S2	No	No	Yes	--	--
CG-105-I	No	No	Yes	3 Qtr 1999	Turbidity high
CG-105-S1	No	No	No	--	--
CG-111-I	No	No	Yes	--	--
CG-113-S1	--	--	--	--	--

**Note:** -- - not applicable due to insufficient data  
Qtr - quarter

## **Appendix A**

### **Detection Frequency of Chemicals by Sampling Technique**

Detection frequency of chemicals by sampling technique at Well CG-101-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	64.6	250	134	76.4	64.2	7560	1210	2540
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	5	100.0%	1.11	9.2	5.30	3.44	2.78	173	25.0	55.6
Flow	mL/min	14	14	100.0%	5	5	100.0%	300	930	618	238	194	325	278	42.3
Frequency	Hz	9	9	100.0%								59.8	67.2	64.5	2.15
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-265	226	-14.7	203	-5.6	248	118	74.2
pH		15	15	100.0%	6	6	100.0%	3.13	7.29	5.76	1.44	5.61	7.62	6.82	0.63
Temperature	degF	15	15	100.0%	6	6	100.0%	54.6	68.2	60.3	5.68	49.2	70.3	60.3	6.95
Turbidity	NTU	15	15	100.0%	6	6	100.0%	1.57	22	6.11	7.86	3.73	58	15.1	17.3
Volume Removed	L	14	14	100.0%	5	5	100.0%	3.38	7.5	5.85	1.93	2.02	14.6	5.29	3.91
<b>Conventional Water Quality Parameters</b>															
Hardness	mg/L	1	1	100.0%								27.5	27.5	27.5	na
Bicarbonate	mg/L	1	1	100.0%								20.5	20.5	20.5	na
Bicarbonate alkalinity	mg/L	5	5	100.0%	3	3	100.0%	0.015	0.12	0.067	0.053	14.4	16.4	15.4	1.41
Carbon dioxide	mg/L	5	5	100.0%								4.75	18.6	10.1	5.11
Carbonate	mg/L	4	2	50.0%	3	1	33.3%	0	0	0	0	5	5	5.00	na
Carbonate alkalinity	mg/L	2	0	0.0%								5	10	7.50	3.54
Fluoride	mg/L	1	1	100.0%								0.668	0.668	0.66	na
Hydroxide alkalinity	mg/L	3	1	33.3%	1	1	100.0%	0	0	0	na	5	10	7.50	3.54
Hydroxide ion (OH-)	mg/L	3	1	33.3%	2	0	0.0%	0	0	0	0	5	5	5.00	na
Methane	mg/L	5	4	80.0%								0.002	0.0358	0.011	0.014
Nitrate	mg/L	3	0	0.0%								0.002	0.0358	0.011	0.014
Nitrite	mg/L	5	2	40.0%								0.1	0.1	0.10	0
Sulfate	mg/L	11	10	90.9%	4	4	100.0%	4.38	5960	1510	2970	0.1	0.28	0.14	0.079
Sulfides	mg/L	4	2	50.0%								0.2	117000	16700	44200
Total alkalinity	mg/L	9	9	100.0%	3	3	100.0%	0.015	0.12	0.067	0.053	14.4	27.5	19.3	4.58
Total chloride	mg/L	7	7	100.0%	1	1	100.0%	7.18	7.18	7.18	na	3.89	295	53.0	119
Total organic carbon	mg/L	6	4	66.7%	1	1	100.0%	1	1	1.00	na	1.2	21	5.69	8.58
<b>Acids</b>															
Acetic acid	mg/L	1	0	0.0%								0.25	0.25	0.25	na
Butyric Acid	mg/L	1	0	0.0%								0.25	0.25	0.25	na
Isobutyric Acid	mg/L	1	0	0.0%								0.25	0.25	0.25	na
Propionic acid	mg/L	1	0	0.0%								0.25	0.25	0.25	na
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	3	75.0%								0.285	0.33	0.21	0.13
Gasoline Range Organics	mg/L	4	2	50.0%								0.108	0.05	0.040	0.020
Lube oil	mg/L	4	1	25.0%								0.5	0.5	0.50	0
Ethane	mg/L	5	0	0.0%								0.002	0.002	0.001	0.0044
Ethene	mg/L	4	0	0.0%								0.004	0.004	0.0085	0.0030
<b>Metals</b>															
Ferrous Iron	mg/L	2	1	50.0%								0.5	0.5	0.50	0
Ferrous Iron	mg/L	4	2	50.0%								0.0911	1	0.52	0.37
Antimony	mg/L	2	0	0.0%								0.06	0.06	0.060	0
Arsenic	mg/L	7	2	28.6%								0.00002	0.01	0.0023	0.0043
Barium	mg/L	6	0	0.0%	2	0	0.0%	0.01	0.01	0.010	0	0.01	0.2	0.15	0.095
Beryllium	mg/L	2	1	50.0%	2	0	0.0%	0.2	0.2	0.20	0	0.00001	0.00004	0.00025	0.000021
Cadmium	mg/L	6	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	0.001	0.005	0.0040	0.0020
Calcium	mg/L	7	7	100.0%	3	3	100.0%	7.44	28	17.5	9.37	5.91	8.05	7.06	0.96
Chromium	mg/L	6	1	16.7%	2	0	0.0%	0.01	0.01	0.010	0	0.00214	0.01	0.0080	0.0039
Copper	mg/L	6	0	0.0%	2	0	0.0%	0.025	0.025	0.025	0	0.001	0.025	0.019	0.012
Cyanide	mg/L	6	3	50.0%								0.01	0.308	0.060	0.12
Iron	mg/L	7	5	71.4%	3	2	66.7%	0.1	0.15	0.12	0.029	0.0835	0.266	0.15	0.082
Lead	mg/L	7	0	0.0%	2	0	0.0%	0.003	0.003	0.0030	0	0.001	0.003	0.0022	0.0011
Magnesium	mg/L	7	4	57.1%	3	1	33.3%	5	5	5.00	0	1.22	5	2.29	1.81
Manganese	mg/L	8	7	87.5%	3	2	66.7%	0.015	0.0592	0.030	0.026	0.00427	0.0522	0.026	0.019



Detection frequency of chemicals by sampling technique at Well CG-101-S1

Chemical	Pre and Micropourge				Pre-Micropourge				Micropourge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Mercury	mg/L	3	0	0.0%	2	0	0.0%	0.0020	0	1	0	0.0%	0.0002	0.0002	0.00020	na
Nickel	mg/L	6	1	16.7%	2	0	0.0%	0.04	0	4	1	25.0%	0.00136	0.04	0.030	0.019
Potassium	mg/L	7	3	42.9%	3	1	33.3%	5	5.00	4	2	50.0%	0.561	5	1.81	2.13
Selenium	mg/L	6	0	0.0%	2	0	0.0%	0.005	0	4	0	0.0%	0.001	0.005	0.0040	0.0020
Silver	mg/L	6	0	0.0%	2	0	0.0%	0.01	0	4	0	0.0%	0.001	0.01	0.0078	0.0045
Sodium	mg/L	8	7	87.5%	3	3	100.0%	6.25	6.48	5	4	80.0%	2.25	5.1	3.80	1.52
Thallium	mg/L	2	0	0.0%	2	0	0.0%	0.02	0	2	0	0.0%	0.2	0.2	0.20	0
Zinc	mg/L	6	1	16.7%	2	0	0.0%	0.002	0	4	1	25.0%	0.01	0.0201	0.018	0.0050
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00020	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1221	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00014	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1232	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00020	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1242	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00014	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1248	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00020	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1254	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00014	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1260	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.00014	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
<b>Semivolatiles Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.0005	0.001	0.0094	0.00018
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.0005	0.001	0.0094	0.00018
1,4-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.0005	0.001	0.0094	0.00018
2,4,5-Trichlorophenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.0010	6	2	33.3%	0.001	0.01	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.0010	6	2	33.3%	0.001	0.01	0.0062	0.0044
2,4-Dichlorophenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.0010	6	2	33.3%	0.001	0.01	0.0062	0.0044
2,4-Dimethylphenol	mg/L	12	4	33.3%	5	2	40.0%	0.001	0.0010	7	2	28.6%	0.001	0.01	0.0061	0.0048
2,4-Dinitrophenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.0010	6	2	33.3%	0.001	0.01	0.0062	0.0044
2,4-Dinitrotoluene	mg/L	7	1	14.3%	2	1	50.0%	0.019	0.010	5	0	0.0%	0.001	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	7	1	14.3%	2	1	50.0%	0.019	0.010	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	9	3	33.3%	2	1	50.0%	0.001	0.0010	7	2	28.6%	0.001	0.01	0.0067	0.0043
2-Chlorophenol	mg/L	8	3	37.5%	2	1	50.0%	0.005	0.0050	6	2	33.3%	0.005	0.01	0.0064	0.0049
2-Methyl-4,6-dinitrophenol	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0066	0.0047
2-Methylnaphthalene	mg/L	13	4	30.8%	5	2	40.0%	0.001	0.0010	8	2	25.0%	0.001	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	5	0	0.0%	0.002	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	9	3	33.3%	2	1	50.0%	0.001	0.0010	7	2	28.6%	0.001	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	9	3	33.3%	2	1	50.0%	0.002	0.0020	7	2	28.6%	0.002	0.01	0.0070	0.0039
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	11	4	36.4%	5	2	40.0%	0.001	0.0010	8	2	25.0%	0.001	0.01	0.0066	0.0047
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	9	3	33.3%	2	1	50.0%	0.001	0.0010	7	2	28.6%	0.001	0.01	0.0066	0.0047
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.0010	2	0	0.0%	0.001	0.01	0.0110	0
Benz[a]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	5	0	0.0%	0.001	0.01	0.0048	0.0048
Benzidine	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.0010	3	0	0.0%	0.001	0.01	0.0040	0.0052
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[b]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044	0.0051

Detection frequency of chemicals by sampling technique at Well CG-101-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge						
	Units	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Benzoic acid	mg/L	7	3	42.9%	0.005	0.005	0.0050	0	5	2	40.0%	0.005	0.02	0.010	0.0061
Benzyl alcohol	mg/L	8	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	7	1	14.3%	0.002	0.002	0.0020	0	5	1	20.0%	0.002	0.05	0.024	0.024
Butylbenzyl phthalate	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.010	1.3E-10
Chrysene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenzofuran	mg/L	7	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
Diethyl phthalate	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	1	14.3%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0047	0.0048
Di-n-octyl phthalate	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Fluoranthene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Fluorene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobenzene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Isophorone	mg/L	1	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.005	0.005	0.0050	na
Methylphenol	mg/L	13	1	7.7%	0.001	0.001	0.0034	0.0022	8	1	12.5%	0.001	0.005	0.014	0.0015
Naphthalene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Nitrobenzene	mg/L	7	1	14.3%	0.001	0.001	0.0019	0.00064	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	1	12.5%	0.001	0.0012	0.0011	0.00014	6	0	0.0%	0.001	0.01	0.0070	0.0046
N-nitrosodiphenylamine	mg/L	8	1	12.5%	0.005	0.005	0.0050	0	7	2	28.6%	0.005	0.01	0.0086	0.0024
Pentachlorophenol	mg/L	9	3	33.3%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenanthrene	mg/L	8	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.01	0.0060	0.0045
Phenol	mg/L	13	4	30.8%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.01	0.0054	0.0051
Pyrene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	0.001	0.001	0.0013	0.00013	5	0	0.0%	0.005	0.001	0.0090	0.00022
1,1,1-Trichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0013	0.00013	8	1	12.5%	0.005	0.001	0.0094	0.00018
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	0.002	0.003	0.0028	0.00045	7	1	14.3%	0.005	0.003	0.0018	0.0011
1,1,2,2-Trichloroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.00175	0.00079	0.00055
1,1,2-Trichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.001	0.0094	0.00018
1,1-Dichloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.0064	0.00040
1,1-Dichloroethene	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
1,1-Dichloropropene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.0064	0.00040
1,2-Dichloropropane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.0064	0.00040
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloropropane	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	1	7.7%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.001	0.0081	0.0026
2-Butanone	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.005	0.001	0.0070	0.0035
2-Hexanone	mg/L	13	2	15.4%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.000912	0.01	0.0070	0.0035

Detection frequency of chemicals by sampling technique at Well CG-101-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge				
		No. of results	No. of detects	Detection frequency	No. of detects	Min	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Average	Std. Dev.
4-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	7.4E-11	0.005	0.01	0.0075	0.0027
Acetone	mg/L	13	2	15.4%	5	1	20.0%	0.005	0.017	0.0055	0.005	0.01	0.0081	0.0026
Benzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.0015	0.0010	0.00027
Bromobenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%							0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0002	0.001	0.00064	0.00040
Bromoform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.0015	0.0014	0.00014
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.0021	0.0021	0.00032
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0002	0.001	0.00064	0.00040
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
Chloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.0010	0.0010	0
Chloroethane	mg/L	13	11	84.6%	5	5	100.0%	0.00234	0.012	0.0037	0.001	0.036	0.016	0.011
Chloroform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.005	0.0035	0.0021
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.0073	0.0018	0.0022
cis-1,2-Dichloroethene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0002	0.001	0.00070	0.00041
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00083	0.00029
Dibromomethane	mg/L	3	0	0.0%							0.001	0.005	0.0014	0.0014
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0002	0.0037	0.0014	0.0011
Ethylbenzene	mg/L	13	4	30.8%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.001	0.0010	0
Isopropylbenzene	mg/L	2	0	0.0%							0.000572	0.013	0.0033	0.0043
meta & para Xylenes	mg/L	10	4	40.0%	3	0	0.0%	0.001	0.001	0	0.005	0.0293	0.010	0.0098
meta-Xylene	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.001	0	0.001	0.001	0.0010	0
Methylene chloride	mg/L	13	2	15.4%	5	1	20.0%	0.005	0.04	0.015	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%							0.001	0.0018	0.0011	0.00030
n-Propylbenzene	mg/L	2	0	0.0%							0.001	0.0018	0.0011	0.00030
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.001	0.0010	0
para-Xylene	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.001	0	0.0005	0.001	0.00094	0.00018
sec-Butylbenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0002	0.001	0.00064	0.00040
Styrene	mg/L	2	0	0.0%							0.0012	0.021	0.0045	0.0072
tert-Butylbenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.002	1.3E-11	0.0005	0.001	0.00094	0.00018
Tetrachloroethene	mg/L	13	5	38.5%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
Toluene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
trans-1,2-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.002	1.3E-11	0.0005	0.001	0.00094	0.00018
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.002	1.3E-11	0.0005	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.002	1.3E-11	0.0005	0.001	0.00094	0.00018
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.002	0.0011	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.001	1.3E-11	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	1.3E-11	0.0005	0.001	0.00094	0.00018
Xylene isomers (total)	mg/L	13	4	30.8%	5	0	0.0%	0.002	0.003	0.0055	0.001	0.0148	0.0040	0.0044

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-102-D

Chemical	Units	Pre and Microbурge				Pre-Microbурge				Microbурge					
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.		
<b>Field Parameters</b>															
Conductivity	µS/cm	14	100.0%	5	100.0%	15500	20800	18300	2220	9	100.0%	2710	892000	115000	292000
Dissolved oxygen, wt/vol	mg/L	13	100.0%	5	100.0%	0	14.6	6.10	6.01	8	100.0%	0	4.94	1.84	1.79
Flow	mL/min	13	100.0%	4	100.0%	287	850	638	251	9	100.0%	119	275	205	46.2
Frequency	Hz	9	100.0%	4	100.0%					9	100.0%	92.1	102	98.0	3.79
Oxidation Reduction Potential	mV	14	100.0%	5	100.0%	-220	107	-58.8	155	9	100.0%	-148	185	-1.67	126
pH	pH	14	100.0%	5	100.0%	6.61	7.54	7.08	0.37	9	100.0%	6.34	7.78	7.22	0.38
Temperature	degF	14	100.0%	5	100.0%	58.5	59.5	57.7	1.11	9	100.0%	51	60.2	56.6	2.81
Turbidity	NTU	14	100.0%	5	100.0%	0.683	188	57.3	81.0	9	100.0%	18.7	278	80.6	81.4
Volume Removed	L	13	100.0%	4	100.0%	11	23.8	18.25	5.37	9	100.0%	0.7	5.52	2.96	1.50
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	50.0%	4	50.0%					4	2	0.9884	0.25	0.21	0.081
Gasoline Range Organics	mg/L	4	50.0%	4	50.0%					4	2	0.0171	0.05	0.042	0.016
Lube oil	mg/L	4	25.0%	4	25.0%					4	1	0.5	0.05	0.50	0
<b>Metals</b>															
Arsenic	mg/L	7	42.9%	3	0	0.01	0.01	0.010	1.3E-10	4	3	0.00435	0.01	0.0070	0.0027
Barium	mg/L	6	16.7%	3	0	0.2	0.2	0.20	0	3	1	0.117	0.2	0.17	0.048
Cadmium	mg/L	6	0.0%	3	0	0.005	0.005	0.0050	6.7E-11	3	0	0.001	0.005	0.0037	0.0023
Chromium	mg/L	6	83.3%	3	2	66.7%	0.01	0.023	0.0065	3	3	0.0014	0.0531	0.034	0.017
Copper	mg/L	6	16.7%	3	0	0.025	0.025	0.025	0	3	1	0.0173	0.025	0.022	0.0044
Cyanide	mg/L	4	25.0%	3	0					4	1	0.01	0.01	0.010	0
Lead	mg/L	7	71.4%	3	2	66.7%	0.003	0.0121	0.0048	4	3	0.0032	0.0103	0.0037	0.0046
Mercury	mg/L	3	0.0%	3	0	0.002	0.002	0.0080	0.0010	4	0				
Nickel	mg/L	6	16.7%	3	0	0.04	0.04	0.040	5.4E-10	3	1	0.0174	0.04	0.032	0.013
Selenium	mg/L	6	16.7%	3	0	0.005	0.005	0.0050	6.7E-11	3	1	0.005	0.00963	0.0065	0.0027
Silver	mg/L	6	0.0%	3	0	0.01	0.01	0.010	1.3E-10	3	0	0.001	0.01	0.0070	0.0052
Zinc	mg/L	6	33.3%	3	0	0.02	0.02	0.020	2.7E-10	3	2	0.02	0.764	0.30	0.41
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1221	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1232	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1242	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1248	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1254	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
Aroclor® 1260	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.00012	4	0	0.001	0.003	0.0018	0.000096
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	7.7%	5	0	0.001	0.001	0.0010	1.3E-11	8	1	0.005	0.01	0.0094	0.0018
1,3-Dichlorobenzene	mg/L	13	7.7%	5	0	0.001	0.001	0.0010	1.3E-11	8	1	0.005	0.01	0.0094	0.0018
1,4-Dichlorobenzene	mg/L	13	7.7%	5	0	0.001	0.001	0.0010	1.3E-11	8	1	0.005	0.01	0.0094	0.0018
2,4,5-Trichlorophenol	mg/L	9	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.001	0.01	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	9	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.001	0.01	0.0062	0.0044
2,4-Dichlorophenol	mg/L	9	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.001	0.01	0.0062	0.0044
2,4-Dimethylphenol	mg/L	13	15.4%	6	2	33.3%	0.001	0.0010	1.5E-11	7	0	0.001	0.01	0.0061	0.0048
2,4-Dinitrophenol	mg/L	9	11.1%	3	1	33.3%	0.005	0.0050	6.7E-11	6	0	0.005	0.025	0.016	0.0086
2,4-Dinitrotoluene	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0064	0.0049
2-Chloronapthalene	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	9	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.001	0.01	0.0062	0.0044
2-Methyl-4,6-dinitrophenol	mg/L	9	11.1%	3	1	33.3%	0.005	0.0050	6.7E-11	6	0	0.005	0.01	0.0083	0.0026
2-Methylnapthalene	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0064	0.0049
2-Methylphenol	mg/L	14	14.3%	6	2	33.3%	0.001	0.0010	1.5E-11	8	0	0.001	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	8	0.0%	3	0	0.001	0.001	0.0010	0	5	0	0.001	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	10	10.0%	3	1	33.3%	0.001	0.0010	0	7	0	0.001	0.01	0.0067	0.0043
3,3-Dichlorobenzidine	mg/L	9	0.0%	3	0	0.001	0.001	0.0010	0	6	0	0.001	0.01	0.0070	0.0046

Detection frequency of chemicals by sampling technique at Well CG-102-D

Chemical	Pre and Micropurge						Pre-Micropurge						Micropurge					
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	9	1	11.1%	3	1	33.3%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0065	0.0040
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	12	2	16.7%	6	2	33.3%	0.001	0.001	0.0010	1.5E-11	6	0	0.0%	0.001	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0060	0.0027
4-Nitrophenol	mg/L	10	1	10.0%	3	1	33.3%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.025	0.0096	0.0080
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.01	0.0010	0
Benzofluranthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0048	0.0048
Benzidine	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.0040	0.0052
Benzo[a]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[b]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[g]herylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzoic acid	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.02	0.010	0.0061
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.05	0.031	0.026
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0049
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.010	1.3E-10
Chrysene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
Diethyl phthalate	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.004	0.0038	0.0048	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Isophorone	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.001	0.005	0.0050	na
Naphthalene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0026	0.0022	8	1	12.5%	0.001	0.005	0.0014	0.0015
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Pentachlorophenol	mg/L	10	1	10.0%	3	1	33.3%	0.005	0.005	0.0050	6.7E-11	7	0	0.0%	0.005	0.01	0.0086	0.0024
Phenanthrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenol	mg/L	14	2	14.3%	6	2	33.3%	0.001	0.001	0.0010	1.5E-11	8	0	0.0%	0.001	0.01	0.0060	0.0045
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	5	0	0.0%	0.005	0.001	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.002	0.003	0.0028	0.00045	8	1	12.5%	0.005	0.0012	0.0096	0.0020
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.002	0.003	0.0028	0.00045	7	1	14.3%	0.005	0.0038	0.0019	0.0013

Detection frequency of chemicals by sampling technique at Well CG-102-D

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge							
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.				
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00071	0.00041
1,1-Dichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
1,1-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
1,1-Dichloropropene	mg/L	4	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	4	0	0.0%	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
1,2,3-Trichloropropene	mg/L	3	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	3	0	0.0%	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	3	0	0.0%	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	3	0	0.0%	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
1,2-Dibromoethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
1,2-Dichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
1,2-Dichloropropane	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	4	0	0.0%	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	4	0	0.0%	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	3	23.1%	5	2	40.0%	0.005	0.06	0.023	0.026	8	1	12.5%	0.005	0.01	0.0024
2-Butanone	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	na	2	0	0.0%	0.001	0.0010	0
2-Chlorotoluene	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.01	0.0024
2-Hexanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.01	0.0024
4-Chlorotoluene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.01	0.0025
Acetone	mg/L	13	5	38.5%	5	2	40.0%	0.005	0.15	0.036	0.064	8	3	37.5%	0.00753	0.018	0.0032
Benzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Bromobenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
Bromoforn	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.00025	0.00039
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00064	0.00039
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Chloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Chloroform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
cis-1,2-Dichloroethene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.004	0.0016	0.0013	8	2	25.0%	0.005	0.0016	0.0014
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.00071	0.00041
Dibromomethane	mg/L	3	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	3	0	0.0%	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.0015	0.0014
Ethylbenzene	mg/L	13	6	46.2%	5	1	20.0%	0.001	0.0043	0.0017	0.0015	8	5	62.5%	0.0047	0.0047	0.0080
Isopropylbenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
meta & para Xylenes	mg/L	11	4	36.4%	4	1	25.0%	0.001	0.0042	0.0018	0.0016	7	3	42.9%	0.0014	0.0049	0.0064
Methyl-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
Methylene chloride	mg/L	13	5	38.5%	5	2	40.0%	0.005	0.0189	0.0096	0.0065	8	3	37.5%	0.00273	0.0097	0.0093
n-Butylbenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	7	2	28.6%	0.001	0.0014	0.0010
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
Styrene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020
tert-Butylbenzene	mg/L	2	0	0.0%	0	0.0%	0.001	0.001	0.0010	0.0010	0.0010	2	0	0.0%	0.001	0.0010	0
Tetrachloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.002	0.0076	0.0031	0.0025	8	1	12.5%	0.002	0.0064	0.00039
Toluene	mg/L	13	4	30.8%	5	1	20.0%	0.002	0.0076	0.0031	0.0025	8	3	37.5%	0.0032	0.0059	0.0085
trans-1,2-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.005	0.00096	0.00020

Detection frequency of chemicals by sampling technique at Well CG-102-D

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge				
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Trichloroethene	mg/L	13	3	23.1%	5	1	20.0%	8	2	25.0%	0.0005	0.025	0.0042	0.0084
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	0.001	0.002	0.0012	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	2	15.4%	5	1	20.0%	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Xylene isomers (total)	mg/L	13	4	30.8%	5	1	20.0%	8	3	37.5%	0.001	0.027	0.0056	0.0071

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-102-I

Chemical	Units	Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency							
<b>Field Parameters</b>														
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	9	9	100.0%	410	65300	9660	21700
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	6	100.0%	9	9	100.0%	0.42	128	15.8	42.1
Flow	mL/min	14	14	100.0%	5	5	100.0%	9	9	100.0%	190	380	302	52.5
Frequency	Hz	9	9	100.0%	5	5	100.0%	9	9	100.0%	64	74.2	70.5	3.64
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	9	9	100.0%	-133	174	-24.8	94.1
pH	pH	15	15	100.0%	6	6	100.0%	9	9	100.0%	7.06	8.85	7.88	0.56
Temperature	degF	15	15	100.0%	6	6	100.0%	9	9	100.0%	56	60.2	58.5	1.43
Turbidity	NTU	15	15	100.0%	6	6	100.0%	9	9	100.0%	1.16	111	21.5	34.9
Volume Removed	L	14	14	100.0%	5	5	100.0%	9	9	100.0%	2.33	11	4.47	2.60
<b>Hydrocarbons</b>														
Diesel Range Hydrocarbons	mg/L	4	2	50.0%				4	2	50.0%	0.111	0.25	0.22	0.070
Gasoline Range Organics	mg/L	4	2	50.0%				4	2	50.0%	0.0185	0.05	0.042	0.016
Lube oil	mg/L	4	1	25.0%				4	1	25.0%	0.5	0.5	0.50	0
<b>Metals</b>														
Arsenic	mg/L	6	2	33.3%	2	0	0.0%	4	2	50.0%	0.000168	0.01	0.0029	0.0048
Barium	mg/L	5	1	20.0%	2	0	0.0%	3	1	33.3%	0.0148	0.2	0.14	0.11
Cadmium	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.0037	0.005	0.0037	0.0023
Chromium	mg/L	5	1	20.0%	2	0	0.0%	3	1	33.3%	0.00217	0.01	0.0074	0.0045
Copper	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.001	0.025	0.017	0.014
Cyanide	mg/L	4	1	25.0%	2	0	0.0%	4	1	25.0%	0.01	0.01	0.010	0
Lead	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.001	0.003	0.0020	0.0012
Mercury	mg/L	2	0	0.0%	2	0	0.0%	3	1	33.3%	0.00020	0.04	0.027	0.022
Nickel	mg/L	5	1	20.0%	2	0	0.0%	3	0	0.0%	0.0011	0.04	0.0037	0.023
Selenium	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.001	0.01	0.0070	0.052
Silver	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.01	0.02	0.017	0.058
Zinc	mg/L	5	1	20.0%	2	1	50.0%	3	0	0.0%	0.0014	0.02	0.017	0.058
<b>Polychlorinated Biphenyls</b>														
Aroclor® 1016	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1221	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1232	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1242	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1248	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1254	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
Aroclor® 1260	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.00071	0.0003	0.00018	0.00096
<b>Semivolatile Organic Compounds</b>														
1,2-Trichlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.0010	0.001	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	1.3E-11	0.0005	0.00094	0.00018
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	1.3E-11	0.0005	0.00094	0.00018
1,4-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	1.3E-11	0.0005	0.00094	0.00018
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2,4-Dichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2,4-Dimethylphenol	mg/L	12	4	33.3%	5	3	60.0%	7	1	14.3%	1.3E-11	0.001	0.0061	0.0048
2,4-Dinitrophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2,4-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.0050	0.005	0.016	0.0086
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.0010	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2-Chlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2-Methyl-4,6-dinitrophenol	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	1.3E-11	0.001	0.0064	0.0049
2-Methylnaphthalene	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.0010	0.01	0.0062	0.0044
2-Methylphenol	mg/L	13	4	30.8%	5	3	60.0%	8	1	12.5%	0.0010	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.0020	0.002	0.0068	0.0043
2-Nitrophenol	mg/L	9	2	22.2%	2	1	50.0%	7	1	14.3%	0.0010	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	6	0	0.0%	0.0010	0.01	0.0070	0.0046



Detection frequency of chemicals by sampling technique at Well CG-102-I

Chemical	Units	Pre-Micropurge				Micropurge										
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.							
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	8	2	25.0%	2	1	50.0%	0.0020	0	6	1	16.7%	0.002	0.01	0.0065	0.0040
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	11	4	36.4%	5	3	60.0%	0.0010	1.3E-11	6	1	16.7%	0.001	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	9	2	22.2%	2	1	50.0%	0.0010	0	7	1	14.3%	0.001	0.025	0.0096	0.0080
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Anthracene	mg/L	4	0	0.0%	2	0	0.0%	0.0010	0	2	0	0.0%	0.001	0.01	0.0048	0.0048
Azobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.01	0.0040	0.0052
Benz[a]anthracene	mg/L	5	0	0.0%	2	0	0.0%	0.0010	0	3	0	0.0%	0.001	0.01	0.0040	0.0051
Benzidine	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[a]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[b]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzoic acid	mg/L	7	2	28.6%	2	1	50.0%	0.0050	0	5	1	20.0%	0.005	0.02	0.010	0.0061
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041
bis(2-chloroethoxy)methane	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis(2-chloroethyl)ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Bis(2-chloroisopropyl)ether	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Bis(2-Ethylhexyl)phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.05	0.031	0.026
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Carbazole	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Chrysene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	7	1	14.3%	2	1	50.0%	0.0070	0.0085	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0051
Di-n-octyl phthalate	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0064	0.0049
Fluorene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Isophorone	mg/L	1	0	0.0%	2	0	0.0%	0.0010	0	1	0	0.0%	0.005	0.005	0.0050	na
Methylphenol	mg/L	13	1	7.7%	5	0	0.0%	0.0034	0.0022	8	1	12.5%	0.001	0.01	0.005	0.0014
Naphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
N-nitrosodiphenylamine	mg/L	9	2	22.2%	2	1	50.0%	0.0050	0	7	1	14.3%	0.005	0.01	0.0066	0.0024
Pentachlorophenol	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenanthrene	mg/L	13	5	38.5%	5	4	80.0%	0.0010	0.035	8	1	12.5%	0.001	0.01	0.0060	0.0045
Phenol	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0090	0.0022
<b>Volatiles Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018
1,1,1-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.0026	0.0055	7	1	14.3%	0.0005	0.003	0.0018	0.0011
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%									

Detection frequency of chemicals by sampling technique at Well CG-102-I

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge				
	Units	No. of results	No. of Detection results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.00070	0.00041
1,1-Dichloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018
1,1-Dichloroethene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,1-Dichloropropene	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,2-Dichloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,3-Dichloropropane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	1	7.7%	0.001	0.001	0.0010	7.4E-11	8	1	12.5%	0.005	0.01	0.0081	0.0026
2-Butanone	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	13	1	7.7%	0.001	0.001	0.0010	na	8	1	12.5%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
4-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	1	7.7%	0.001	0.001	0.0010	7.4E-11	8	1	12.5%	0.005	0.01	0.0075	0.0027
Acetone	mg/L	13	2	15.4%	0.005	0.023	0.0086	0.0080	8	1	12.5%	0.001	0.001	0.0010	0
Benzene	mg/L	13	10	76.9%	0.001	0.0041	0.0033	0.0013	8	6	75.0%	0.001	0.037	0.0070	0.012
Bromobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.00064	0.00040
Bromoform	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Bromomethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Carbon disulfide	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Carbon tetrachloride	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Chlorobenzene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Chloroethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Chloroform	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Chloromethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
cis-1,2-Dichloroethene	mg/L	13	12	92.3%	0.001	0.0069	0.0049	0.0025	8	8	100.0%	0.00197	0.017	0.0067	0.0047
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Dibromochloromethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00070	0.00041
Dibromomethane	mg/L	3	0	0.0%					3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Ethylbenzene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.001	0.0010	0
Isopropylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	11	1	9.1%	0.001	0.001	0.0010	na	7	1	14.3%	0.001	0.0024	0.0018	0.0055
meta-Xylene	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0
Methylene chloride	mg/L	13	4	30.8%	0.005	0.04	0.024	0.017	8	2	25.0%	0.005	0.023	0.0074	0.0063
n-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	1	8.3%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.001	0.001	0.0010	1.8E-11
para-Xylene	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018
tert-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00064	0.00040
Toluene	mg/L	13	0	0.0%					8	0	0.0%	0.0005	0.0062	0.0021	0.0020
trans-1,2-Dichloroethene	mg/L	13	1	7.7%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00094	0.00018

Detection frequency of chemicals by sampling technique at Well CG-102-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	Min	Max	Average
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	0.0010	1.3E-11	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	2	15.4%	5	0	0.0%	8	2	25.0%	0.0020	2.6E-11	0.002	0.0030	0.0053
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	0.0010	1.3E-11	0.001	0.0011	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	6	1	16.7%	0.0010	1.3E-11	0.001	0.0030	0.0022
Vinyl chloride	mg/L	13	6	46.2%	5	0	0.0%	8	6	75.0%	0.0010	1.3E-11	0.001	0.0015	0.00052
Xylene isomers (total)	mg/L	13	1	7.7%	5	0	0.0%	8	1	12.5%	0.0022	0.00045	0.0034	0.0026	0.00081

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-102-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	No. of results	No. of detects	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	330	495	410	68.9	128	9500	1960	3650
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0.5	4	1.95	1.46	0.95	138	17.2	45.3
Flow	mL/min	14	14	100.0%	5	5	100.0%	500	1160	763	254	140	306	244	56.4
Frequency	Hz	9	9	100.0%	6	6	100.0%	-248	52	-22.6	112	66.1	74	70.9	2.91
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	5.61	7.24	6.47	0.54	5.58	7.51	6.73	0.62
pH	degF	15	15	100.0%	6	6	100.0%	58.7	69	63.9	4.11	57.7	67.7	62.3	3.80
Temperature	degF	15	15	100.0%	6	6	100.0%	0.2	132	24.5	52.8	3.14	21.7	9.28	6.55
Turbidity	NTU	15	15	100.0%	6	6	100.0%	4	10.9	7.62	2.63	2.55	6.9	4.56	1.47
Volume Removed	L	14	14	100.0%	5	5	100.0%								
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	2	50.0%								0.229	0.25	0.24	0.011
Gasoline Range Organics	mg/L	4	2	50.0%								0.0176	0.05	0.042	0.016
Lube oil	mg/L	4	2	50.0%								0.5	0.5	0.50	0
<b>Metals</b>															
Arsenic	mg/L	6	2	33.3%	2	0	0.0%	0.01	0.01	0.010	0	0.00264	0.01	0.0030	0.0047
Barium	mg/L	5	0	0.0%	2	0	0.0%	0.2	0.2	0.20	0	0.01	0.2	0.14	0.11
Cadmium	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	0.001	0.005	0.0037	0.0023
Chromium	mg/L	5	1	20.0%	2	0	0.0%	0.01	0.01	0.010	0	0.0424	0.01	0.0081	0.0033
Copper	mg/L	5	1	20.0%	2	0	0.0%	0.025	0.025	0.025	0	0.0411	0.025	0.018	0.012
Cyanide	mg/L	4	1	25.0%	2	0	0.0%					0.01	0.01	0.010	0
Lead	mg/L	6	0	0.0%	2	0	0.0%	0.003	0.003	0.0030	0	0.001	0.003	0.0020	0.0012
Mercury	mg/L	2	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0019	0.04	0.027	0.022
Nickel	mg/L	5	1	20.0%	2	0	0.0%	0.04	0.04	0.040	0	0.001	0.005	0.0037	0.0023
Selenium	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	0.001	0.005	0.0070	0.0052
Silver	mg/L	5	0	0.0%	2	0	0.0%	0.01	0.01	0.010	0	0.001	0.01	0.017	0.0058
Zinc	mg/L	5	0	0.0%	2	0	0.0%	0.02	0.02	0.020	0	0.01	0.02	0.017	0.0058
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1221	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1232	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1242	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1248	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1254	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
Aroclor® 1260	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	0.0001	0.0002	0.00015	0.00058
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	0.0005	0.001	0.00094	0.00018
1,3-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	0.0005	0.001	0.00094	0.00018
1,4-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	0.0005	0.001	0.00094	0.00018
2,4,5-Trichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0062	0.0044
2,4-Dichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0062	0.0044
2,4-Dimethylphenol	mg/L	12	4	33.3%	5	4	80.0%	0.001	0.0012	0.0010	0.000089	0.001	0.01	0.0061	0.0048
2,4-Dinitrophenol	mg/L	8	2	25.0%	2	1	50.0%	0.005	0.005	0.0050	0	0.005	0.025	0.017	0.0071
2,4-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0062	0.0044
2-Methyl-4,6-dinitrophenol	mg/L	7	0	0.0%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0062	0.0044
2-Methylnaphthalene	mg/L	8	1	12.5%	2	1	50.0%	0.005	0.005	0.0050	0	0.005	0.01	0.0083	0.0026
2-Methylphenol	mg/L	13	3	23.1%	5	3	60.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.01	0.0064	0.0049
2-Nitrophenol	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	0.001	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	9	1	11.1%	2	1	50.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.01	0.0070	0.0046

Detection frequency of chemicals by sampling technique at Well CG-102-S1

Chemical	Pre-Micropurge					Micro-purge										
	Units	No. of results	No. of defects	No. of detection results	No. of detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of defects	No. of detection frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	8	1	12.5%	2	1	50.0%	0.002	0.0020	6	0	0.0%	0.002	0.01	0.0065	0.0040
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	11	3	27.3%	5	3	60.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	9	1	11.1%	2	1	50.0%	0.001	0.0010	7	0	0.0%	0.001	0.025	0.0096	0.0080
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0054	0.0051
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.0080	0.0027
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.0054	0.0051
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.0010	2	0	0.0%	0.001	0.01	0.010	0
Benz[a]anthracene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.0010	2	0	0.0%	0.001	0.01	0.010	0
Benzidine	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.0010	3	0	0.0%	0.001	0.01	0.048	0.0048
Benzo[a]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.040	0.0052
Benzo[b]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	3	0	0.0%	0.001	0.01	0.044	0.0051
Benzo[ghi]perylene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.044	0.0051
Benzo[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.044	0.0051
Benzo[ghi]perylene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.044	0.0051
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.044	0.0051
Benzonic acid	mg/L	7	1	14.3%	2	1	50.0%	0.005	0.0050	5	0	0.0%	0.005	0.02	0.010	0.0061
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.002	0.0020	6	0	0.0%	0.002	0.01	0.073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.070	0.0046
Bis[2-Ethylhexyl]phthalate	mg/L	7	2	28.6%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	5	2	40.0%	0.00159	0.05	0.014	0.021
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	3	0	0.0%	0.01	0.01	0.010	1.3E-10
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.054	0.0051
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.044	0.0051
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	5	0	0.0%	0.005	0.01	0.080	0.0027
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Di-n-butyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Di-n-octyl phthalate	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	20.0%	0.001	0.01	0.064	0.0049
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.054	0.0051
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.054	0.0051
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.028	0.0040
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.001	0.0010	1	0	0.0%	0.005	0.0050	na	na
Naphthalene	mg/L	12	2	16.7%	4	1	25.0%	0.001	0.0063	8	1	12.5%	0.0001	0.005	0.0014	0.0015
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.01	0.064	0.0049
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.0015	5	0	0.0%	0.001	0.01	0.064	0.0049
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.070	0.0046
Pentachlorophenol	mg/L	9	1	11.1%	2	1	50.0%	0.005	0.0050	7	0	0.0%	0.005	0.01	0.096	0.0024
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.054	0.0051
Phenol	mg/L	13	3	23.1%	5	3	60.0%	0.001	0.0010	8	0	0.0%	0.001	0.01	0.060	0.0045
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.01	0.054	0.0045
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	4	4	100.0%	0.015	0.027	5	0	0.0%	0.005	0.001	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	12	1	8.3%	4	0	0.0%	0.002	0.0050	8	8	100.0%	0.00203	0.14	0.030	0.045
1,1,1,2,2-Tetrachloroethane	mg/L	11	1	9.1%	4	0	0.0%	0.002	0.0028	7	1	14.3%	0.005	0.003	0.0018	0.0011

Detection frequency of chemicals by sampling technique at Well CG-102-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of Detection results	No. of Detection detects	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of Detection results	No. of Detection detects	frequency	Min	Max	Average
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	0	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.002	0.001	0.00070	0.00041	
1,1-Dichloroethane	mg/L	12	12	100.0%	0.0049	0.0081	0.0066	0.0016	8	8	100.0%	0.0121	0.016	0.0062	0.0056	
1,1-Dichloroethene	mg/L	12	3	25.0%	0.001	0.001	0.0010	0	8	3	37.5%	0.0002	0.0015	0.00078	0.00048	
1,1-Dichloropropene	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0	
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
1,2,3-Trichloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0	
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0	
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0	
1,2-Dibromoethane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.001	0.0010	0	
1,2-Dichloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0002	0.001	0.00064	0.00040	
1,2-Dichloropropane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0002	0.001	0.00064	0.00040	
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
1,3-Dichloropropane	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0	
2,2-Dichloropropane	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.001	0.0010	0	
2-Butanone	mg/L	12	2	16.7%	0.005	0.012	0.0068	0.0035	8	1	12.5%	0.005	0.01	0.0081	0.0026	
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0	
2-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
2-Hexanone	mg/L	12	2	16.7%	0.005	0.0075	0.0056	0.0013	8	1	12.5%	0.005	0.01	0.0081	0.0026	
4-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
4-Isopropyltoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
4-Methyl-2-pentanone	mg/L	12	1	8.3%	0.005	0.005	0.0050	0	8	1	12.5%	0.005	0.01	0.0075	0.0027	
Acetone	mg/L	12	2	16.7%	0.005	0.046	0.015	0.021	8	1	12.5%	0.005	0.01	0.0081	0.0026	
Benzene	mg/L	12	2	16.7%	0.001	0.0026	0.0014	0.00080	8	1	12.5%	0.0005	0.01	0.0094	0.0018	
Bromobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
Bromochloromethane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
Bromodichloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0002	0.001	0.00064	0.00040	
Bromoform	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
Bromomethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.001	0.001	0.0010	0	
Carbon disulfide	mg/L	12	2	16.7%	0.001	0.0015	0.0011	0.00025	8	1	12.5%	0.001	0.01	0.0023	0.0031	
Carbon tetrachloride	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0002	0.001	0.00064	0.00040	
Chlorobenzene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
Chloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.001	0.001	0.0010	0	
Chloroform	mg/L	12	4	33.3%	0.001	0.001	0.0010	0	8	4	50.0%	0.000666	0.003	0.0013	0.00074	
Chloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.001	0.001	0.0010	0	
cis-1,2-Dichloroethene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00096	0.00020	
cis-1,3-Dichloropropene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
Dibromochloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0002	0.001	0.00070	0.00041	
Dibromomethane	mg/L	3	0	0.0%					3	0	0.0%	0.0005	0.001	0.00083	0.00029	
Dichlorodifluoromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
Ethylbenzene	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.0005	0.00116	0.00096	0.00019	
Isopropylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
meta- and para Xylenes	mg/L	10	2	20.0%	0.001	0.001	0.0010	na	7	2	28.6%	0.0005	0.002	0.0014	0.00061	
meta-Xylene	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0	
n-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
n-Propylbenzene	mg/L	11	0	0.0%					11	0	0.0%	0.001	0.001	0.0010	0	
ortho-Xylene	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0	
para-Xylene	mg/L	1	0	0.0%					1	0	0.0%	0.001	0.001	0.0010	0	
sec-Butylbenzene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
Styrene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0	
tert-Butylbenzene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00064	0.00040	
Tetrachloroethene	mg/L	12	1	8.3%	0.002	0.002	0.0020	0	8	1	12.5%	0.0005	0.0041	0.0016	0.0011	
Toluene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	
trans-1,2-Dichloroethene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018	

Detection frequency of chemicals by sampling technique at Well CG-102-S1

Chemical	Units	Pre and Micropurge				Micropurge							
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std.Dev.				
trans-1,3-Dichloropropene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.001	0.001	0.00094	0.00018
Trichloroethene	mg/L	12	4	33.3%	4	0	0.0%	0.002	0.002	0.002	0.013	0.0027	0.0042
Trichlorofluoromethane	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.001	0.002	0.0011	0.00035
Vinyl acetate	mg/L	10	1	10.0%	4	0	0.0%	0.001	0.001	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.001	0.001	0.00094	0.00018
Xylene isomers (total)	mg/L	12	2	16.7%	4	0	0.0%	0.002	0.002	0.003	0.003	0.0023	0.00076

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-102-S2

Chemical	Pre and Microbudge						Pre-Microbudge						Microbudge					
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	11	11	100.0%	3	3	100.0%	347	425	376	42.4	8	8	100.0%	363	14000	2110	4810
Dissolved oxygen, wt/vol	mg/L	11	11	100.0%	3	3	100.0%	0.486	10.6	3.93	5.78	8	8	100.0%	0.51	140	19.3	48.8
Flow	mL/min	10	10	100.0%	2	2	100.0%	757	800	779	30.4	8	8	100.0%	147	325	267	58.8
Frequency	Hz	8	8	100.0%								8	8	100.0%	65.1	76	71.6	3.67
Oxidation Reduction Potential	mV	11	11	100.0%	3	3	100.0%	-211	-36.6	-110	90.4	8	8	100.0%	-1	169	61.8	71.8
pH		11	11	100.0%	3	3	100.0%	6.37	7.2	6.91	0.47	8	8	100.0%	6.07	7.39	6.84	0.37
Temperature	degF	11	11	100.0%	3	3	100.0%	60.4	62.2	61.3	0.90	8	8	100.0%	56.4	67.5	61.3	4.01
Turbidity	NTU	11	11	100.0%	3	3	100.0%	1.75	14.4	6.08	7.21	8	8	100.0%	0.76	50	15.8	18.9
Volume Removed	L	10	10	100.0%	2	2	100.0%	5.5	12	8.75	4.60	8	8	100.0%	2.67	5.7	4.19	0.93
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	3	2	66.7%								3	2	66.7%	0.686	0.25	0.19	0.10
Gasoline Range Organics	mg/L	3	2	66.7%								3	2	66.7%	0.233	0.05	0.041	0.015
Lube oil	mg/L	3	1	33.3%								3	1	33.3%	0.5	0.5	0.50	0
<b>Metals</b>																		
Arsenic	mg/L	5	1	20.0%	2	0	0.0%	0.01	0.01	0.010	0	3	1	33.3%	0.0002	0.01	0.0034	0.0057
Barium	mg/L	4	0	0.0%	2	0	0.0%	0.2	0.2	0.20	0	2	0	0.0%	0.2	0.2	0.20	0
Cadmium	mg/L	4	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	2	0	0.0%	0.005	0.005	0.0050	0
Chromium	mg/L	4	0	0.0%	2	0	0.0%	0.01	0.01	0.010	0	2	0	0.0%	0.01	0.01	0.010	0
Copper	mg/L	4	0	0.0%	2	0	0.0%	0.025	0.025	0.025	0	2	0	0.0%	0.025	0.025	0.025	0
Cyanide	mg/L	3	1	33.3%	2	0	0.0%					3	1	33.3%	0.01	0.01	0.010	1.3E-10
Lead	mg/L	5	0	0.0%	2	0	0.0%	0.003	0.003	0.0030	0	3	0	0.0%	0.001	0.003	0.0023	0.0012
Mercury	mg/L	2	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	2	0	0.0%	0.04	0.04	0.040	0
Nickel	mg/L	4	0	0.0%	2	0	0.0%	0.04	0.04	0.040	0	2	0	0.0%	0.005	0.005	0.0050	0
Selenium	mg/L	4	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	2	0	0.0%	0.005	0.005	0.0050	0
Silver	mg/L	4	0	0.0%	2	0	0.0%	0.01	0.01	0.010	0	2	0	0.0%	0.01	0.01	0.010	0
Zinc	mg/L	4	0	0.0%	2	0	0.0%	0.02	0.02	0.020	0	2	0	0.0%	0.02	0.02	0.020	0
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1221	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1232	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1242	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1248	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1254	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
Aroclor® 1260	mg/L	5	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	3	0	0.0%	0.0001	0.0003	0.00020	0.00010
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichlorobenzene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.0005	0.001	0.00093	0.00019
1,3-Dichlorobenzene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.0005	0.001	0.00093	0.00019
1,4-Dichlorobenzene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.0005	0.001	0.00093	0.00019
2,4,5-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0045
2,4,6-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0045
2,4-Dichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0045
2,4-Dimethylphenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.0013	0.0011	0.00017	6	0	0.0%	0.001	0.01	0.0055	0.0049
2,4-Dinitrophenol	mg/L	7	1	14.3%	2	1	50.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.025	0.015	0.0094
2,4-Dinitrotoluene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
2,6-Dinitrotoluene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
2-Chloronaphthalene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
2-Chlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0045
2-Methyl-4,6-dinitrophenol	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
2-Methylnaphthalene	mg/L	10	1	10.0%	3	1	33.3%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0061	0.0048
2-Methylphenol	mg/L	6	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.002	0.01	0.0060	0.0046
2-Nitroaniline	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0062	0.0044
3,3'-Dichlorobenzidine	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049



Detection frequency of chemicals by sampling technique at Well CG-102-S2

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	6	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	4	0	0.0%	0.005	0.01	0.0075	0.0029
4-Bromophenyl-phenyl ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
4-Chloro-3-methylphenol	mg/L	7	1	14.3%	2	1	50.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0058	0.0040
4-Chloroaniline	mg/L	6	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.002	0.01	0.0060	0.0046
4-Chlorophenyl-phenyl ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
4-Methylphenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
4-Nitroaniline	mg/L	6	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	4	0	0.0%	0.005	0.01	0.0075	0.0049
4-Nitrophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.025	0.0095	0.0088
Acenaphthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Acenaphthylene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Aniline	mg/L	6	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	4	0	0.0%	0.005	0.01	0.0075	0.0029
Anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.01	0.0010	0
Benz[a]anthracene	mg/L	6	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.002	0.01	0.0035	0.0044
Benzidine	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.0040	0.0052
Benzo[a]pyrene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Benzo[b]fluoranthene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Benzo[g]herylene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Benzo[k]fluoranthene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Benzoic acid	mg/L	6	1	16.7%	2	1	50.0%	0.005	0.005	0.0050	0	4	0	0.0%	0.005	0.01	0.0075	0.0029
Benzyl alcohol	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
bis[2-chloroethoxy]methane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
bis[2-chloroethyl]ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Bis[2-chloroisopropyl]ether	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
bis[2-Ethylhexyl]phthalate	mg/L	6	1	16.7%	2	0	0.0%	0.002	0.002	0.0020	0	4	1	25.0%	0.002	0.05	0.018	0.023
Butylbenzyl phthalate	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Carbazole	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.01	0.010	0
Chrysene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenz[a,h]anthracene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Dibenzofuran	mg/L	6	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	4	0	0.0%	0.005	0.01	0.0075	0.0029
Diethyl phthalate	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Dimethyl phthalate	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Di-n-butyl phthalate	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Di-n-octyl phthalate	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Fluorene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Fluorene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0055	0.0052
Hexachlorobenzene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0010	0
Hexachlorobutadiene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Hexachlorocyclopentadiene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Hexachloroethane	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0030	0.0047
Indeno[1,2,3-cd]pyrene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Isophorone	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.005	0.005	0.0050	na
Naphthalene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	0	14.3%	0.001	0.005	0.0014	0.0016
Nitrobenzene	mg/L	6	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.01	0.0055	0.0052
N-nitrosodiphenylamine	mg/L	6	1	14.3%	2	1	50.0%	0.001	0.0013	0.0012	0.00021	5	0	0.0%	0.001	0.01	0.0064	0.0049
Pentachlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.005	0.005	0.0050	0	6	0	0.0%	0.005	0.01	0.0083	0.0026
Phenanthrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Phenol	mg/L	10	1	10.0%	3	1	33.3%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0054	0.0045
Pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.005	0.005	0.0088	0.00025
1,1,1-Trichloroethane	mg/L	9	1	11.1%	2	0	0.0%	0.003	0.003	0.0030	0	7	1	14.3%	0.005	0.001	0.00093	0.00019
1,1,2-Tetrachloroethane	mg/L	8	1	12.5%	2	0	0.0%	0.003	0.003	0.0030	0	6	1	16.7%	0.005	0.003	0.0019	0.0012

Detection frequency of chemicals by sampling technique at Well CG-102-S2

Chemical	Pre and Micropurge					Micropurge											
	Units	No. of results	No. of detects	No. of Detection results	No. of detects	Average	Std. Dev.	Min	Max	Average	Std. Dev.						
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.002	0.0066	0.00043
1,1-Dichloroethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0093	0.00019
1,1-Dichloropropene	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%								3	0	0.0%	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
1,2-Dichloroethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.002	0.0059	0.00040
1,2-Dichloropropane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.002	0.0059	0.00040
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
1,3-Dichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
2,2-Dichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
2-Bulane	mg/L	9	1	11.1%	2	0	0.0%	0.005	0.005	0.0050	0	7	1	14.3%	0.005	0.0079	0.0027
2-Chloroethylvinyl ether	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
2-Hexanone	mg/L	9	1	11.1%	2	0	0.0%	0.005	0.005	0.0050	0	7	1	14.3%	0.005	0.0079	0.0027
4-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	9	1	11.1%	2	0	0.0%	0.005	0.005	0.0050	0	7	1	14.3%	0.005	0.0071	0.0027
Acetone	mg/L	9	1	11.1%	2	0	0.0%	0.005	0.005	0.0050	0	7	1	14.3%	0.005	0.0079	0.0027
Benzene	mg/L	9	9	100.0%	2	2	100.0%	0.0073	0.0102	0.0088	0.0021	7	7	100.0%	0.00594	0.022	0.035
Bromobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
Bromodichloromethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.002	0.0059	0.00040
Bromoforn	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00019
Bromomethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00019
Carbon disulfide	mg/L	9	2	22.2%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00019
Carbon tetrachloride	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Chlorobenzene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Chloroethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Chloroform	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Chloromethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
cis-1,2-Dichloroethene	mg/L	9	2	22.2%	2	0	0.0%	0.001	0.001	0.0010	0	7	2	28.6%	0.005	0.0034	0.00019
cis-1,3-Dichloropropene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Dibromochloromethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
Dibromomethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.0010	0
Dichlorodifluoromethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Ethylbenzene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Isopropylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
meta & para Xylenes	mg/L	7	2	28.6%	1	1	100.0%	0.00489	0.00489	0.0049	na	7	1	14.3%	0.005	0.0034	0.0020
n-Butylbenzene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	1	0	0.0%	0.001	0.0010	0
Methylene chloride	mg/L	9	3	33.3%	2	1	50.0%	0.0172	0.028	0.023	0.0076	6	1	16.7%	0.001	0.0055	0.0096
n-Propylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
ortho-Xylene	mg/L	8	2	25.0%	2	1	50.0%	0.001	0.0015	0.0013	0.00035	6	1	16.7%	0.001	0.0055	0.0096
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
Styrene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
tert-Butylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.0010	0
Tetrachloroethene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	0.0010	0	7	1	14.3%	0.001	0.0059	0.00040
Toluene	mg/L	9	2	22.2%	2	1	50.0%	0.002	0.0025	0.0021	0.00018	7	1	14.3%	0.005	0.010	0.023
trans-1,2-Dichloroethene	mg/L	9	2	22.2%	2	0	0.0%	0.001	0.001	0.0010	0	7	2	28.6%	0.005	0.0010	0.00036

Detection frequency of chemicals by sampling technique at Well CG-102-S2

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge						
		No. of results	No. of detects	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	Average	Std. Dev.	No. of results	No. of detects	No. of detects frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	7	1	14.3%	0.0005	0.001	0.00093	0.00019
Trichloroethene	mg/L	9	2	22.2%	2	0	0.0%	0.002	0.002	7	2	28.6%	0.0005	0.078	0.014	0.029
Trichlorofluoromethane	mg/L	9	1	11.1%	2	0	0.0%	0.001	0.001	7	1	14.3%	0.001	0.002	0.0011	0.00038
Vinyl acetate	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.001	5	1	20.0%	0.001	0.005	0.0026	0.0022
Vinyl chloride	mg/L	9	9	100.0%	2	2	100.0%	0.0123	0.019	7	7	100.0%	0.0202	0.12	0.049	0.043
Xylene isomers (total)	mg/L	9	2	22.2%	2	1	50.0%	0.003	0.00639	7	1	14.3%	0.001	0.0297	0.0062	0.010

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-1034

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	No. of detects frequency	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	Average	Std. Dev.	Max	Average	Std. Dev.	
<b>Field Parameters</b>																		
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	990	1850	1500	291	9	9	100.0%	1410	66000	8700	21500
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	6	100.0%	0.14	14.9	3.57	5.61	9	9	100.0%	0	28	6.41	8.58
Flow	mL/min	14	14	100.0%	5	5	100.0%	555	890	695	157	9	9	100.0%	133	300	233	56.3
Frequency	Hz	9	9	100.0%	6	6	100.0%	-230	66	-62.3	101	9	9	100.0%	69.5	91	79.2	7.59
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	6.58	7.58	7.09	0.34	9	9	100.0%	-68	137	25.5	72.8
pH	degF	15	15	100.0%	6	6	100.0%	57.1	62.5	58.8	1.93	9	9	100.0%	5.98	7.77	6.91	0.64
Temperature	degF	15	15	100.0%	6	6	100.0%	1.5	47	11.3	17.6	9	9	100.0%	51.7	60.1	57.1	2.83
Turbidity	NTU	15	15	100.0%	6	6	100.0%	10.6	18.3	13.4	2.95	9	9	100.0%	8.4	151	51.7	44.5
Volume Removed	L	14	14	100.0%	5	5	100.0%					9	9	100.0%	2	4.12	3.08	0.84
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	3	75.0%								4	3	75.0%	0.6659	0.344	0.23	0.12
Gasoline Range Organics	mg/L	4	2	50.0%								4	2	50.0%	0.05	0.05	0.050	0
Lube oil	mg/L	4	1	25.0%								4	1	25.0%	0.5	0.5	0.50	0
<b>Metals</b>																		
Arsenic	mg/L	6	2	33.3%	2	0	0.0%	0.01	0.01	0.010	0	4	2	50.0%	0.00247	0.01	0.0030	0.0047
Barium	mg/L	5	1	20.0%	2	0	0.0%	0.2	0.2	0.20	0	3	1	33.3%	0.0157	0.2	0.14	0.11
Cadmium	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	5	2	40.0%	2	0	0.0%	0.01	0.01	0.010	0	3	0	0.0%	0.01	0.032	0.017	0.013
Copper	mg/L	5	1	20.0%	2	0	0.0%	0.025	0.025	0.025	0	3	1	33.3%	0.00204	0.025	0.017	0.013
Cyanide	mg/L	4	1	25.0%	2	0	0.0%	0.003	0.003	0.0030	0	4	1	25.0%	0.01	0.01	0.010	0
Lead	mg/L	6	2	33.3%	2	0	0.0%	0.002	0.002	0.0020	0	4	2	50.0%	0.000335	0.003	0.0018	0.0014
Manganese	mg/L	1	1	100.0%								1	1	100.0%	0.406	0.406	0.41	na
Mercury	mg/L	2	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	3	1	33.3%	0.00666	0.04	0.029	0.019
Nickel	mg/L	5	1	20.0%	2	0	0.0%	0.04	0.04	0.040	0	3	0	0.0%	0.001	0.005	0.0037	0.0023
Selenium	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	3	0	0.0%	0.001	0.01	0.0070	0.0052
Silver	mg/L	5	1	20.0%	2	0	0.0%	0.01	0.01	0.010	0	3	1	33.3%	0.01	0.0205	0.017	0.0059
Zinc	mg/L	5	1	20.0%	2	0	0.0%	0.02	0.02	0.020	0	3	1	33.3%	0.01	0.0205	0.017	0.0059
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1221	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1232	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1242	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1248	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1254	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
Aroclor® 1260	mg/L	6	0	0.0%	2	0	0.0%	0.0001	0.0001	0.00010	0	4	0	0.0%	0.0001	0.0003	0.00018	0.00096
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018
1,3-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018
1,4-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.001	0.00094	0.00018
2,4,5-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0072	0.0041
2,4,6-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0072	0.0041
2,4-Dichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0072	0.0041
2,4-Dimethylphenol	mg/L	11	2	18.2%	5	2	40.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
2,4-Dinitrophenol	mg/L	7	1	14.3%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.001	0.025	0.018	0.0076
2,4-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0090	0.0022
2-Methyl-4,6-dinitrophenol	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Methylnaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Methylphenol	mg/L	12	2	16.7%	5	2	40.0%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0074	0.0044
2-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0077	0.0038

Detection frequency of chemicals by sampling technique at Well CG-103-4

Chemical	Units	Pre and Micropurge		Pre-Micropurge		Micropurge							
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects						
		frequency	frequency	frequency	frequency	frequency	frequency						
3,3-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	0.005	0.0080	0.0027	
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
4-Chloro-3-methylphenol	mg/L	7	1	14.3%	2	1	50.0%	0.0020	0	0.002	0.0074	0.0037	
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	0.002	0.0068	0.0044	
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0048	
4-Methylphenol	mg/L	10	2	20.0%	5	2	40.0%	0.0010	1.3E-11	0.001	0.0064	0.0049	
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	0.005	0.0080	0.0027	
4-Nitrophenol	mg/L	8	1	12.5%	2	1	50.0%	0.0010	0	0.001	0.011	0.0077	
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	0.005	0.0080	0.0027	
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Benz[a]anthracene	mg/L	4	0	0.0%	2	0	0.0%	0.0020	0	0.002	0.0048	0.0048	
Benz[a]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0048	0.0048	
Benzidine	mg/L	5	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Benz[a]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Benz[b]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Benz[ghi]perylene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Benz[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Benzoic acid	mg/L	6	2	33.3%	2	1	50.0%	0.0050	0	0.005	0.010	0.0069	
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.0020	0	0.002	0.0073	0.0041	
bis(2-chloroethoxy)methane	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
bis(2-chloroethyl)ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
Bis(2-chloroisopropyl)ether	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
Bis(2-ethylhexyl)phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	0.002	0.0064	0.0049	
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	0.002	0.0064	0.0049	
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.010	1.3E-10	
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	0.005	0.0080	0.0027	
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Di-n-butyl phthalate	mg/L	7	2	28.6%	2	1	50.0%	0.0015	0.00071	0.001	0.0048	0.0048	
Di-n-octyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0028	0.0040	
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0044	0.0051	
Isothorone	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0050	0.0049	
Naphthalene	mg/L	12	1	8.3%	4	0	0.0%	0.0030	0.0023	0.001	0.0014	na	
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0064	0.0049	
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	2	0	0.0%	0.0010	0	0.001	0.0060	0.0047	
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0070	0.0046	
Pentachlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.0050	0	0.005	0.0092	0.0020	
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
Phenol	mg/L	12	2	16.7%	5	2	40.0%	0.0010	1.3E-11	0.001	0.0067	0.0043	
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.0054	0.0051	
<b>Volatiles Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	4	0	0.0%	0.0010	0	0.001	0.0090	0.0022	
1,1,1-Trichloroethane	mg/L	12	1	8.3%	4	0	0.0%	0.0010	0	0.001	0.0096	0.0020	

Detection frequency of chemicals by sampling technique at Well CG-103-I

Chemical	Pre and Microbурge				Pre-Microbурge				Microbурge							
	Units	No. of results	No. of detects	No. of Detection results	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	No. of Detection results	frequency	Min	Max	Average
1,1,2,2-Tetrachloroethane	mg/L	11	1	9.1%	0.002	0.003	0.0023	0.00050	0.0013	7	1	14.3%	0.0005	0.0038	0.0019	0.0013
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	0	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0041	8	1	12.5%	0.0005	0.0012	0.00071	0.00041
1,1-Dichloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0020	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
1,1-Dichloroethene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00064	0.00039
1,1-Dichloropropene	mg/L	4	0	0.0%					0	4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropene	mg/L	3	0	0.0%					0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%					0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%					0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00064	0.00039
1,2-Dichloroethene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00064	0.00039
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%					0	4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%					0	4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	12	1	8.3%	0.005	0.005	0.0050	0	0.0024	8	1	12.5%	0.005	0.01	0.0083	0.0024
2-Chloroethylvinyl ether	mg/L	1	0	0.0%					0	1	0	0.0%				0
2-Chlorotoluene	mg/L	2	0	0.0%					0	2	0	0.0%				0
2-Hexanone	mg/L	12	1	8.3%	0.005	0.005	0.0050	0	0.0024	8	1	12.5%	0.005	0.01	0.0083	0.0024
4-Chlorotoluene	mg/L	2	0	0.0%					0	2	0	0.0%				0
4-Isopropyltoluene	mg/L	2	0	0.0%					0	2	0	0.0%				0
4-Methyl-2-pentanone	mg/L	12	1	8.3%	0.005	0.027	0.011	0.011	0.0025	8	1	12.5%	0.005	0.01	0.0077	0.0025
Acetone	mg/L	12	2	16.7%	0.005	0.012	0.0068	0.0035	0.0020	8	1	12.5%	0.005	0.01	0.0089	0.0020
Benzene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0020	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Bromobenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00064	0.00039
Bromoforn	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Bromomethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Carbon disulfide	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Carbon tetrachloride	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Chlorobenzene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Chloroethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Chloroform	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
Chloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.001	0.001	0.0010	0
cis-1,2-Dichloroethene	mg/L	12	3	25.0%	0.001	0.001	0.0010	0	0.0039	8	3	37.5%	0.00021	0.0049	0.0014	0.0014
cis-1,3-Dichloropropene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Dibromochloromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00071	0.00041
Dibromomethane	mg/L	3	0	0.0%					0	3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Ethylbenzene	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	0.0039	8	2	25.0%	0.0005	0.001	0.0010	0.011
Isopropylbenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
meta-Xylene	mg/L	10	2	20.0%	0.001	0.006	0.0027	0.0029	0.0066	7	2	28.6%	0.001	0.019	0.0041	0.0066
meta-Xylenes	mg/L	1	0	0.0%					na	1	0	0.0%				0
Methylene chloride	mg/L	12	2	16.7%	0.005	0.039	0.015	0.016	0.0087	7	2	28.6%	0.001	0.033	0.0013	0.0087
n-Butylbenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	11	2	18.2%	0.001	0.001	0.0010	0	0.0039	8	2	25.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	1	0	0.0%					0	1	0	0.0%	0.001	0.001	0.0010	0
para-Xylene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	12	1	8.3%	0.001	0.006	0.0023	0.0025	0.0039	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
tert-Butylbenzene	mg/L	2	0	0.0%					0	2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	12	1	8.3%	0.001	0.001	0.0010	0	0.0039	8	1	12.5%	0.0002	0.001	0.00064	0.00039
Toluene	mg/L	12	2	16.7%	0.002	0.002	0.0020	0	0.0041	8	2	25.0%	0.0005	0.024	0.0041	0.0081

Detection frequency of chemicals by sampling technique at Well CG-103-I

Chemical	Units	Pre and Microbурge				Pre-Microbурge				Microbурge								
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.	Min	Max	Average	Std. Dev.			
trans-1,2-Dichloroethene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
trans-1,3-Dichloropropene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Trichloroethene	mg/L	12	1	8.3%	4	0	0.0%	0.002	0.002	0.0020	0	8	1	12.5%	0.0005	0.0025	0.0014	0.00069
Trichlorofluoromethane	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	1	12.5%	0.001	0.002	0.0012	0.00035
Vinyl acetate	mg/L	10	1	10.0%	4	0	0.0%	0.001	0.001	0.0010	0	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	12	4	33.3%	4	0	0.0%	0.001	0.001	0.0010	0	8	4	50.0%	0.0005	0.0012	0.00085	0.00024
Xylene isomers (total)	mg/L	12	2	16.7%	4	0	0.0%	0.002	0.002	0.0035	0.0024	8	2	25.0%	0.001	0.0223	0.0049	0.0071

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-103-S1

Chemical	Pre and Microbudge					Microbudge								
	Units	No. of results	No. of detects	No. of detects frequency	No. of detects frequency	Min	Average	Std. Dev.	No. of results	No. of detects	No. of detects frequency	Min	Average	Std. Dev.
<b>Field Parameters</b>														
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	371	850	471	188	302	1700	3940
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0	6.77	2.95	2.25	0.53	18.0	34.5
Flow	mL/min	14	14	100.0%	5	5	100.0%	242	690	554	185	149	241	46.4
Frequency	Hz	9	9	100.0%								96	81.8	9.30
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-228	127	-52.6	120	-214	35.6	157
pH		15	15	100.0%	6	6	100.0%	6.37	7.15	6.75	0.32	5.83	6.51	0.37
Temperature	degF	15	15	100.0%	6	6	100.0%	58.2	74.5	64.8	6.11	60.7	65.0	3.15
Turbidity	NTU	15	15	100.0%	6	6	100.0%	16	182	53.4	64.3	8.7	51.7	35.5
Volume Removed	L	14	14	100.0%	5	5	100.0%	4.28	10.7	7.36	2.44	2.55	6.29	2.61
<b>Conventional Water Quality Parameters</b>														
Total organic carbon	mg/L	1	1	100.0%	1	1	100.0%	15.9	15.9	15.9	na			
<b>Hydrocarbons</b>														
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								0.25	0.419	0.078
Gasoline Range Organics	mg/L	4	3	75.0%								0.019	0.042	0.016
Lube oil	mg/L	4	1	25.0%								0.5	0.50	0
<b>Metals</b>														
Arsenic	mg/L	7	6	85.7%	3	2	66.7%	0.01	0.037	0.019	0.015	0.00422	0.0178	0.0058
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	0.20	0	0.01	0.14	0.11
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.0037	0.0023
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.00335	0.01	0.0078
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	0.001	0.0647	0.032
Cyanide	mg/L	4	1	25.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	0.01	0.010	0
Lead	mg/L	7	1	14.3%	3	0	0.0%	0.0002	0.002	0.00080	0.0010	0.000421	0.003	0.0013
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	0.00168	0.04	0.027
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.0037	0.0023
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.0070	0.0052
Silver	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.0070	0.0052
Zinc	mg/L	6	1	16.7%	3	1	33.3%	0.02	0.029	0.023	0.0052	0.01	0.017	0.0058
<b>Polychlorinated Biphenyls</b>														
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00023	0.000058	0.0001	0.00018	0.000096
<b>Semivolatile Organic Compounds</b>														
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.001	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.0094	0.00018
1,3-Dichlorobenzene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.0094	0.00018
1,4-Dichlorobenzene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.0094	0.00018
2,4,5-Trichlorophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2,4-Dichlorophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2,4-Dimethylphenol	mg/L	13	7	53.8%	6	5	83.3%	0.001	0.001	0.0010	1.5E-11	0.0005	0.016	0.0086
2,4-Dinitrophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	6.7E-11	0.0005	0.016	0.0086
2,4-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.001	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.001	0.0064	0.0049
2-Chloronaphthalene	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2-Chlorophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2-Methyl-4,6-dinitrophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.001	0.0064	0.0049
2-Methylnaphthalene	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.001	0.0010	0	0.001	0.0062	0.0044
2-Methylphenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.001	0.0064	0.0049
2-Nitroaniline	mg/L	14	7	50.0%	6	5	83.3%	0.001	0.001	0.0010	1.5E-11	0.0005	0.0066	0.0047
	mg/L	8	1	12.5%	3	1	33.3%	0.002	0.002	0.0020	0	0.002	0.0068	0.0044



Detection frequency of chemicals by sampling technique at Well CG-103-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of Detection	No. of results	No. of Detection	Units	Min	Max	Average	Std. Dev.	No. of results	No. of Detection	Min	Max	Average	Std. Dev.
2-Nitrophenol	mg/L	10	5	50.0%	3	3	100.0%	0.001	0.0010	0	7	2	28.6%	0.001	0.0067	0.0043
3,3-Dichlorobenzidine	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
3-Nitroaniline	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	9	5	55.6%	3	3	100.0%	0.002	0.0020	0	6	2	33.3%	0.002	0.0065	0.0040
4-Chloroaniline	mg/L	8	1	12.5%	3	1	33.3%	0.002	0.0020	0	5	0	0.0%	0.002	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
4-Methylphenol	mg/L	12	7	58.3%	6	5	83.3%	0.001	0.0010	1.5E-11	6	2	33.3%	0.001	0.0055	0.0049
4-Nitroaniline	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.0080	0.0027
4-Nitrophenol	mg/L	10	5	50.0%	3	3	100.0%	0.001	0.0010	0	7	2	28.6%	0.001	0.0096	0.0080
Acenaphthene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Acenaphthylene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Aniline	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.0080	0.0027
Anthracene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Azobenzene	mg/L	5	1	20.0%	3	1	33.3%	0.001	0.0010	0	2	0	0.0%	0.001	0.0010	0
Benz[a]anthracene	mg/L	8	1	12.5%	3	1	33.3%	0.002	0.0020	0	5	0	0.0%	0.002	0.0048	0.0048
Benzo[a]pyrene	mg/L	6	1	16.7%	3	1	33.3%	0.001	0.0010	0	3	0	0.0%	0.001	0.0040	0.0052
Benzo[b]fluoranthene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0044	0.0051
Benzo[ghi]perylene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0044	0.0051
Benzo[e]pyrene	mg/L	8	5	62.5%	3	3	100.0%	0.005	0.0050	6.7E-11	5	2	40.0%	0.005	0.010	0.0051
Benzyl alcohol	mg/L	9	1	11.1%	3	1	33.3%	0.002	0.0020	0	6	0	0.0%	0.002	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	8	1	12.5%	3	1	33.3%	0.002	0.0020	0	5	0	0.0%	0.002	0.031	0.026
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	1	33.3%	0.001	0.0010	0	3	0	0.0%	0.001	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	3	1	33.3%	0.001	0.0010	0	3	0	0.0%	0.001	0.010	1.3E-10
Chrysene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0044	0.0051
Dibenzofuran	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.0080	0.0027
Diethyl phthalate	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
Dimethyl phthalate	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.0015	0.00092	5	1	20.0%	0.001	0.0047	0.0049
Di-n-octyl phthalate	mg/L	8	2	25.0%	3	1	33.3%	0.001	0.0010	0	5	1	20.0%	0.001	0.0064	0.0049
Fluoranthene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Fluorene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Hexachlorobenzene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
Hexachlorobutadiene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0028	0.0040
Hexachlorocyclopentadiene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
Hexachloroethane	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.0021	0.0018	5	0	0.0%	0.001	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0044	0.0051
Isophorone	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	3	1	33.3%	0.001	0.0010	0	1	0	0.0%	0.001	0.0050	na
Naphthalene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.0026	0.0022	8	2	25.0%	0.001	0.0014	0.0015
Nitrobenzene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0054	0.0049
N-nitroso-di-n-propylamine	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0070	0.0046
Pentachlorophenol	mg/L	10	5	50.0%	3	3	100.0%	0.005	0.0050	6.7E-11	7	2	28.6%	0.005	0.0086	0.0024
Phenanthrene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
Phenol	mg/L	14	7	50.0%	6	5	83.3%	0.001	0.0010	1.5E-11	8	2	25.0%	0.001	0.0060	0.0045
Pyrene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.001	0.0054	0.0051
<b>Volatiles Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.001	0.0090	0.0022

Detection frequency of chemicals by sampling technique at Well CG-103-S1

Chemical	Pre and Microbурge					Pre-Microbурge					Microbурge							
	Units	No. of results	No. of detects	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	No. of detects frequency	Min	Max	Average	Std. Dev.
1,1,1-Trichloroethane	mg/L	13	11	84.6%	5	4	80.0%	0.001	0.02	0.0086	0.0091	8	7	87.5%	0.00095	0.044	0.014	0.016
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.003	0.0028	0.00045	7	2	28.6%	0.0005	0.003	0.0018	0.0011
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	2	50.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	2	66.7%	0.002	0.0147	0.0069	0.0068
1,1,2-Trichloroethane	mg/L	13	13	100.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.00070	0.00070	0.00041
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.018	0.13	0.063	0.053	8	8	100.0%	0.00619	0.2	0.050	0.064
1,1-Dichloroethane	mg/L	13	5	38.5%	5	2	40.0%	0.001	0.0013	0.0011	0.00013	4	3	37.5%	0.0002	0.0015	0.00082	0.00045
1,1-Dichloropropene	mg/L	4	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.005	0.0037	0.0023
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	8	61.5%	5	4	80.0%	0.001	0.0031	0.0021	0.00094	8	4	50.0%	0.0002	0.0028	0.0011	0.00062
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.00064	0.00040
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0.0026
2-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.005	0.01	0.0081	0.0026
4-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.027	0.0094	0.0098	8	2	25.0%	0.005	0.01	0.0075	0.0027
Acetone	mg/L	13	4	30.8%	5	1	20.0%	0.005	0.015	0.0070	0.0045	8	3	37.5%	0.005	0.01	0.0085	0.0023
Benzene	mg/L	13	12	92.3%	5	5	100.0%	0.0011	0.0018	0.0015	0.00031	8	7	87.5%	0.000586	0.016	0.0028	0.0054
Bromobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.00064	0.00040
Bromoforn	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018
Bromomethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.005	0.0015	0.0014
Carbon disulfide	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.01	0.0021	0.0032
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.00064	0.00040
Chlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018
Chloroethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0
Chloroform	mg/L	13	6	46.2%	5	3	60.0%	0.001	0.003	0.0016	0.00088	8	3	37.5%	0.00044	0.0042	0.0015	0.0012
Chloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.005	0.0038	0.0018
cis-1,2-Dichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.059	0.137	0.10	0.032	8	8	100.0%	0.0104	0.24	0.072	0.075
cis-1,3-Dichloropropene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018
Dibromochloromethane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.00070	0.00041
Dibromomethane	mg/L	3	0	0.0%								3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.002	0.0013	0.00050	8	2	25.0%	0.001	0.005	0.0015	0.0014
Ethylbenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	3	37.5%	0.0005	0.0056	0.0016	0.0016
Isopropylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
meta- para Xylenes	mg/L	11	0	0.0%								7	3	42.9%	0.000636	0.002	0.0015	0.00059
meta-Xylene	mg/L	1	0	0.0%								8	2	25.0%	0.005	0.063	0.016	0.021
Methylene chloride	mg/L	13	3	23.1%	4	0	0.0%	0.001	0.002	0.0013	0.00050	8	2	25.0%	0.001	0.005	0.0015	0.0014
n-Butylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	7	2	28.6%	0.001	0.001	0.0010	1.8E-11
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.029	0.0066	0.013	8	2	25.0%	0.0005	0.001	0.00094	0.00018
tert-Butylbenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.022	0.0318	0.025	0.0040	8	8	100.0%	0.0138	0.19	0.049	0.062

Detection frequency of chemicals by sampling technique at Well CG-103-S1

Chemical	Units	Pre and Micropurge			Pre-Micropurge			Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency			
Toluene	mg/L	13	5	38.5%	5	1	20.0%	8	4	50.0%	0.0013	0.0017	0.0013
trans-1,2-Dichloroethene	mg/L	13	11	84.6%	5	5	100.0%	8	6	75.0%	0.0011	0.0024	0.0028
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	8	2	25.0%	1.3E-11	0.0010	0.00018
Trichloroethene	mg/L	13	13	100.0%	5	5	100.0%	8	8	100.0%	0.0059	0.022	0.035
Trichlorofluoromethane	mg/L	13	3	23.1%	5	0	0.0%	8	3	37.5%	1.3E-11	0.0010	0.0024
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	6	2	33.3%	1.3E-11	0.001	0.0030
Vinyl chloride	mg/L	13	13	100.0%	5	5	100.0%	8	8	100.0%	0.10	0.11	0.049
Xylene isomers (total)	mg/L	13	3	23.1%	5	0	0.0%	8	3	37.5%	0.0055	0.0024	0.0023

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-103-S2

Chemical	Units	Pre and Micropurge			Pre-Micropurge			Micropurge							
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency					
<b>Field Parameters</b>															
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	9	9	100.0%	326	15000	2020	Average	Std. Dev.
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	6	100.0%	9	9	100.0%	0.35	113	36.8	150	4870
Flow	mL/min	14	14	100.0%	5	5	100.0%	9	9	100.0%	252	320	294	21.1	21.1
Frequency	Hz	9	9	100.0%				9	9	100.0%	66	77	72.2	3.43	3.43
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	9	9	100.0%	-256	30	-74.9	46.3	36.7
pH	pH	15	15	100.0%	6	6	100.0%	9	9	100.0%	6.55	7.26	6.70	0.61	0.61
Temperature	degF	15	15	100.0%	6	6	100.0%	9	9	100.0%	59.2	65.3	60.7	1.67	1.67
Turbidity	NTU	15	15	100.0%	6	6	100.0%	9	9	100.0%	0.6	14.8	8.97	5.64	5.64
Volume Removed	L	14	14	100.0%	5	5	100.0%	9	9	100.0%	5.28	11.7	3.74	1.93	1.93
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	3	75.0%				4	3	75.0%	0.138	0.267	0.23	0.059	0.059
Gasoline Range Organics	mg/L	4	3	75.0%				4	3	75.0%	0.023	0.05	0.043	0.014	0.014
Lube oil	mg/L	4	1	25.0%				4	1	25.0%	0.5	0.5	0.50	0	0
<b>Metals</b>															
Arsenic	mg/L	6	1	16.7%	2	0	0.0%	4	1	25.0%	0.00002	0.01	0.0028	0.0048	0.0048
Barium	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.01	0.2	0.14	0.11	0.11
Cadmium	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.005	0.005	0.0037	0.0023	0.0023
Chromium	mg/L	5	1	20.0%	2	0	0.0%	3	1	33.3%	0.013	0.01	0.0071	0.0050	0.0050
Copper	mg/L	5	1	20.0%	2	0	0.0%	3	1	33.3%	0.00108	0.025	0.017	0.014	0.014
Cyanide	mg/L	4	1	25.0%	2	0	0.0%	4	1	25.0%	0.01	0.01	0.010	0	0
Lead	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.001	0.003	0.0020	0.0012	0.0012
Manganese	mg/L	1	1	100.0%				1	1	100.0%	0.643	0.643	0.64	na	na
Mercury	mg/L	2	0	0.0%	2	0	0.0%	0	0	0.0%	0.0002	0.00020	0	0	0
Nickel	mg/L	5	0	0.0%	2	0	0.0%	0	0	0.0%	0.04	0.04	0.027	0.023	0.023
Selenium	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.005	0.005	0.0037	0.0023	0.0023
Silver	mg/L	5	1	20.0%	2	0	0.0%	3	1	33.3%	0.01	0.01	0.0070	0.0052	0.0052
Zinc	mg/L	5	0	0.0%	2	0	0.0%	3	0	0.0%	0.02	0.02	0.017	0.0058	0.0058
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1221	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1232	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1242	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1248	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1254	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
Aroclor® 1260	mg/L	6	0	0.0%	2	0	0.0%	4	0	0.0%	0.0001	0.0003	0.00018	0.000096	0.000096
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.001	0.01	0.0028	0.0040	0.0040
1,2-Dichlorobenzene	mg/L	12	3	25.0%	4	0	0.0%	8	3	37.5%	0.0005	0.00159	0.0010	0.00029	0.00029
1,3-Dichlorobenzene	mg/L	12	2	16.7%	4	0	0.0%	8	2	25.0%	0.0005	0.0005	0.00094	0.00018	0.00018
1,4-Dichlorobenzene	mg/L	12	2	16.7%	4	0	0.0%	8	2	25.0%	0.0005	0.001	0.00084	0.00018	0.00018
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.001	0.01	0.0062	0.0044	0.0044
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.001	0.01	0.0062	0.0044	0.0044
2,4-Dichlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.001	0.01	0.0062	0.0044	0.0044
2,4-Dimethylphenol	mg/L	12	6	50.0%	5	2	40.0%	7	4	57.1%	0.001	0.0345	0.014	0.013	0.013
2,4-Dinitrophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.005	0.025	0.016	0.0086	0.0086
2,4-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.001	0.01	0.0064	0.0049	0.0049
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.001	0.01	0.0064	0.0049	0.0049
2-Chloronaphthalene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.001	0.01	0.0064	0.0049	0.0049
2-Chlorophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.001	0.01	0.0062	0.0044	0.0044
2-Methyl-4,6-dinitrophenol	mg/L	8	2	25.0%	2	1	50.0%	6	1	16.7%	0.005	0.005	0.0083	0.0026	0.0026
2-Methylnaphthalene	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.001	0.01	0.0064	0.0049	0.0049
2-Nitrophenol	mg/L	13	6	46.2%	5	2	40.0%	8	4	50.0%	0.001	0.0206	0.0080	0.0068	0.0068
2-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	5	0	0.0%	0.002	0.002	0.0068	0.0044	0.0044
2-Nitrophenol	mg/L	9	2	22.2%	2	1	50.0%	7	1	14.3%	0.001	0.01	0.0067	0.0043	0.0043

Detection frequency of chemicals by sampling technique at Well CG-103-S2

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of Detection	No. of results	No. of Detection	No. of results	No. of Detection	No. of results	No. of Detection	Average	Std. Dev.	Min	Max	Average	Std. Dev.
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	8	2	25.0%	2	1	50.0%	0.002	0.0020	0	16.7%	0.002	0.01	0.0065	0.0040
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	11	4	36.4%	5	2	40.0%	0.001	0.0010	1.3E-11	33.3%	0.001	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	9	2	22.2%	2	1	50.0%	0.001	0.0013	0.00035	14.3%	0.001	0.025	0.0096	0.0080
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.005	0.0050	0	0.0%	0.005	0.01	0.0080	0.0027
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Benz[a]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	0	0.0%	0.002	0.01	0.0048	0.0052
Benzidine	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0040	0.0052
Benz[a]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[b]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[g]hperylene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Benz[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Benzoic acid	mg/L	7	2	28.6%	2	1	50.0%	0.005	0.0050	0	20.0%	0.005	0.02	0.010	0.0061
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.002	0.0020	0	0.0%	0.002	0.01	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
Bis[2-Ethylhexyl]phthalate	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.0020	0	20.0%	0.00113	0.05	0.021	0.026
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.010	1.3E-10
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.0050	0	0.0%	0.005	0.01	0.0080	0.0027
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-octyl phthalate	mg/L	7	2	28.6%	2	1	50.0%	0.001	0.0036	0.00036	20.0%	0.001	0.01	0.0048	0.0048
Fluoranthene	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0076	0.0039
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Hexachlorobenzene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0028	0.0040
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0044	0.0051
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0050	na
Naphthalene	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.0030	0.0023	37.5%	0.0001	0.011	0.0026	0.0037
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0070	0.0046
Pentachlorophenol	mg/L	9	2	22.2%	2	1	50.0%	0.005	0.0050	0	14.3%	0.005	0.01	0.0086	0.0024
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
Phenol	mg/L	13	5	38.5%	5	2	40.0%	0.001	0.0010	1.3E-11	37.5%	0.001	0.0545	0.012	0.018
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	4	0	0.0%	0.001	0.0010	0	0.0%	0.001	0.01	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.0010	0	25.0%	0.0005	0.001	0.0094	0.0018

Detection frequency of chemicals by sampling technique at Well CG-103-S2

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of detects	No. of detection results	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	No. of detection results	Detection frequency	Min	Max	Average
1,1,2,2-Tetrachloroethane	mg/L	11	2	18.2%	4	0	0.0%	0.0028	0.00050	7	2	28.6%	0.0005	0.003	0.0018	0.0011
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.0075	0.00068	8	8	100.0%	0.00352	0.001	0.00070	0.00041
1,1-Dichloroethane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0	8	3	37.5%	0.0002	0.0012	0.00074	0.00043
1,1-Dichloroethene	mg/L	4	0	0.0%	0	0	0.0%	0.001	0	4	0	0.0%	0.001	0.001	0.0010	0
1,1-Dichloropropene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%	0	0	0.0%	0.001	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	0	0	0.0%	0.001	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	12	9	75.0%	4	4	100.0%	0.0013	0.00018	8	5	62.5%	0.0002	0.0015	0.00078	0.00044
1,2-Dichloroethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloropropane	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%	0	0	0.0%	0.001	0	4	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%	0	0	0.0%	0.001	0	4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%	0	0	0.0%	0.001	0	4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	12	2	16.7%	4	0	0.0%	0.026	0.043	8	2	25.0%	0.005	0.01	0.0086	0.0023
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%	4	0	0.0%	0.005	0	8	2	25.0%	0.005	0.01	0.0081	0.0026
2-Hexanone	mg/L	12	2	16.7%	4	0	0.0%	0.005	0	8	2	25.0%	0.005	0.01	0.0010	0
4-Chlorotoluene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%	4	0	0.0%	0.011	0.011	8	2	25.0%	0.005	0.01	0.0075	0.0027
4-Methyl-2-pentanone	mg/L	12	3	25.0%	4	1	25.0%	0.0061	0.0022	8	2	25.0%	0.005	0.01	0.0081	0.0026
Acetone	mg/L	12	12	100.0%	4	4	100.0%	0.0083	0.00051	8	8	100.0%	0.00634	0.11	0.022	0.036
Benzene	mg/L	12	2	16.7%	4	0	0.0%	0.0072	0.00051	2	0	0.0%	0.001	0.001	0.0010	0
Bromobenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.002	0.001	0.00064	0.00040
Bromodichloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.002	0.001	0.00094	0.00018
Bromoform	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0015	0.0014
Bromomethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0021	0.0032
Carbon disulfide	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.00064	0.00040
Carbon tetrachloride	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.00094	0.00018
Chlorobenzene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0010	0
Chloroethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.00094	0.00018
Chloroform	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0035	0.0021
Chloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.047	0.033
cis-1,2-Dichloroethene	mg/L	12	12	100.0%	4	4	100.0%	0.068	0.012	8	8	100.0%	0.0266	0.12	0.047	0.033
Dibromochloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.00094	0.00018
Dibromomethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.00070	0.00041
Dichlorodifluoromethane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0	3	0	0.0%	0.001	0.001	0.00063	0.00029
Ethylbenzene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0015	0.0014
Isopropylbenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	10	2	20.0%	3	0	0.0%	0.0027	0.0029	7	2	28.6%	0.001	0.002	0.0016	0.00053
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	na	8	1	12.5%	0.005	0.051	0.016	0.017
Methylene chloride	mg/L	12	2	16.7%	4	1	25.0%	0.025	0.010	2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	11	2	18.2%	4	0	0.0%	0.001	0	7	2	28.6%	0.001	0.001	0.0010	1.8E-11
ortho-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	na	2	0	0.0%	0.001	0.001	0.0010	0
para-Xylene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	12	2	16.7%	4	0	0.0%	0.0023	0.0025	8	2	25.0%	0.005	0.001	0.00094	0.00018
Styrene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0	8	2	25.0%	0.001	0.001	0.0010	0
tert-Butylbenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0	2	0	0.0%	0.001	0.001	0.00064	0.00040
Tetrachloroethene	mg/L	12	2	16.7%	4	0	0.0%	0.002	0	8	2	25.0%	0.005	0.0032	0.0015	0.00088
Toluene	mg/L	12	2	16.7%	4	0	0.0%	0.002	0	8	2	25.0%	0.005	0.0032	0.0015	0.00088

Detection frequency of chemicals by sampling technique at Well CG-103-S2

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,2-Dichloroethene	mg/L	12	5	41.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.00074	0.0032	0.0014
trans-1,3-Dichloropropene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.0005	0.001	0.00094
Trichloroethene	mg/L	12	11	91.7%	4	3	75.0%	0.002	0.0042	0.0032	0.0011	0	0.00331	0.026	0.0072
Trichlorofluoromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.002	0.0011
Vinyl acetate	mg/L	10	2	20.0%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.005	0.0030
Vinyl chloride	mg/L	12	12	100.0%	4	4	100.0%	0.065	0.077	0.072	0.0061	0	0.0326	0.19	0.069
Xylene isomers (total)	mg/L	12	2	16.7%	4	0	0.0%	0.002	0.007	0.0035	0.0024	0	0.001	0.003	0.0024

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-104-D

Chemical	Pre-Microbudge						Microbudge									
	Units	No. of results	No. of detects	No. of results	No. of detects	Detection frequency	Min	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Average	Std. Dev.	
<b>Field Parameters</b>																
Conductivity	µS/cm	16	16	100.0%	7	7	100.0%	3900	18400	14400	5030	100.0%	15500	675000	93400	218000
Dissolved oxygen, wt/vol	mg/L	16	16	100.0%	7	7	100.0%	0	10.8	3.26	3.69	100.0%	0	53.3	7.91	17.1
Flow	mL/min	15	15	100.0%	6	6	100.0%	165	820	506	273	100.0%	187	250	214	22.4
Frequency	Hz	9	9	100.0%	7	7	100.0%	-213	154	-67.2	110	100.0%	90.8	125	101	10.9
Oxidation Reduction Potential	mV	16	16	100.0%	7	7	100.0%	2.45	8.14	6.82	1.96	100.0%	-353	13	-152	96.4
pH	pH	16	16	100.0%	7	7	100.0%	2.15	63.9	56.9	2.35	100.0%	7.11	7.8	7.43	0.21
Temperature	degF	16	16	100.0%	7	7	100.0%	57	220	63.3	83.8	100.0%	56.4	62.7	59.4	2.07
Turbidity	NTU	15	15	100.0%	6	6	100.0%	4.7	40.3	21.7	11.5	100.0%	13.2	151	64.4	54.1
Volume Removed	L	15	15	100.0%	6	6	100.0%	6.43	0.005	0.0050	6.7E-11	100.0%	2.45	13.2	6.23	3.72
<b>Hydrocarbons</b>																
Diesel Range Hydrocarbons	mg/L	4	4	100.0%	3	3	0.0%	0.01	0.01	0.010	1.3E-10	0.0%	0.06	0.06	0.060	na
Gasoline Range Organics	mg/L	4	3	75.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	80.0%	0.00353	0.01	0.0059	0.0026
Lube oil	mg/L	4	1	25.0%	3	0	0.0%	0.2	0.2	0.20	0	25.0%	0.103	0.2	0.18	0.049
<b>Metals</b>																
Antimony	mg/L	1	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	100.0%	0.00065	0.00065	0.00065	na
Arsenic	mg/L	8	4	50.0%	3	0	0.0%	0.01	0.01	0.010	0.026	100.0%	86.3	86.3	86.3	na
Barium	mg/L	7	1	14.3%	3	0	0.0%	0.2	0.2	0.20	0	25.0%	0.103	0.2	0.18	0.049
Beryllium	mg/L	1	1	100.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	100.0%	0.00065	0.00065	0.00065	na
Cadmium	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	100.0%	0.001	0.005	0.0040	0.0020
Calcium	mg/L	1	1	100.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	100.0%	86.3	86.3	86.3	na
Chromium	mg/L	7	4	57.1%	3	1	33.3%	0.01	0.055	0.025	0.026	75.0%	0.01	0.075	0.035	0.029
Copper	mg/L	7	2	28.6%	3	0	0.0%	0.025	0.025	0.025	0	50.0%	0.0157	0.106	0.043	0.042
Cyanide	mg/L	5	2	40.0%	3	0	0.0%	0.025	0.025	0.025	0	40.0%	0.01	0.152	0.038	0.064
Iron	mg/L	1	1	100.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	100.0%	20.8	20.8	20.8	na
Lead	mg/L	8	4	50.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	100.0%	0.0016	0.0086	0.0038	0.0028
Magnesium	mg/L	1	1	100.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	100.0%	389	389	389	na
Manganese	mg/L	1	1	100.0%	3	0	0.0%	0.002	0.002	0.0020	0.0010	100.0%	0.475	0.475	0.48	na
Mercury	mg/L	4	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0.0010	0.0%	0.0002	0.0002	0.0020	na
Nickel	mg/L	7	3	42.9%	3	1	33.3%	0.04	0.071	0.050	0.018	50.0%	0.0228	0.045	0.037	0.0097
Potassium	mg/L	1	1	100.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	100.0%	154	154	154	na
Selenium	mg/L	7	1	14.3%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	25.0%	0.005	0.00821	0.0058	0.0016
Silver	mg/L	7	1	14.3%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	25.0%	0.00112	0.01	0.0078	0.0044
Sodium	mg/L	1	1	100.0%	3	0	0.0%	0.001	0.001	0.0010	0.0012	100.0%	3580	3580	3580	na
Thallium	mg/L	1	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0.0012	100.0%	0.2	0.2	0.20	na
Zinc	mg/L	7	4	57.1%	3	0	0.0%	0.02	0.02	0.020	2.7E-10	100.0%	0.0597	1.09	0.79	0.49
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1221	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1232	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1242	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1248	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1254	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1260	ng/L	7	0	0.0%	3	0	0.0%	0.001	0.003	0.0017	0.00012	0.0%	0.0001	0.0003	0.00018	0.000096
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	ng/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0.0010	0.0%	0.001	0.01	0.0028	0.0040
1,2-Dichlorobenzene	ng/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	25.0%	0.0005	0.001	0.00094	0.00018
1,3-Dichlorobenzene	ng/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	25.0%	0.0005	0.001	0.00094	0.00018
1,4-Dichlorobenzene	ng/L	13	3	23.1%	5	1	20.0%	0.001	0.001	0.0010	1.3E-11	25.0%	0.0005	0.001	0.00094	0.00018
2,4,5-Trichlorophenol	ng/L	9	2	22.2%	3	1	33.3%	0.001	0.001	0.0010	0	16.7%	0.001	0.02	0.0078	0.0072
2,4,6-Trichlorophenol	ng/L	9	2	22.2%	3	1	33.3%	0.001	0.001	0.0010	0	16.7%	0.001	0.02	0.0078	0.0072
2,4-Dichlorophenol	ng/L	9	2	22.2%	3	1	33.3%	0.001	0.001	0.0010	0	16.7%	0.001	0.02	0.0078	0.0072
2,4-Dimethylphenol	ng/L	13	4	30.8%	6	2	33.3%	0.005	0.005	0.0050	1.5E-11	28.6%	0.001	0.02	0.0086	0.0061
2,4-Dinitrophenol	ng/L	9	2	22.2%	3	1	33.3%	0.005	0.005	0.0050	6.7E-11	16.7%	0.005	0.04	0.019	0.013
2,4-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.0%	0.001	0.02	0.0084	0.0079





Detection frequency of chemicals by sampling technique at Well CG-104-D

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge						
	Units	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
N-nitrosodiphenylamine	mg/L	9	1	11.1%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.02	0.0087	0.0071
Pentachlorophenol	mg/L	10	2	20.0%	0.005	0.005	0.0050	6.7E-11	7	1	14.3%	0.005	0.02	0.010	0.0050
Phenanthrene	mg/L	9	1	11.1%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.02	0.0070	0.0078
Phenol	mg/L	14	3	21.4%	0.001	0.001	0.0010	1.5E-11	8	1	12.5%	0.001	0.02	0.0073	0.0066
Pyrene	mg/L	9	1	11.1%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.02	0.0070	0.0078
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	5	0	0.0%	0.001	0.001	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	0.0028	8	2	25.0%	0.001	0.001	0.0011	0.00058
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	0.002	0.003	0.0028	0.00045	7	2	28.6%	0.002	0.005	0.0025	0.0025
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.001	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.00074	0.00037
1,1-Dichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0011	0.00058
1,1-Dichloroethene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.00068	0.00037
1,1-Dichloropropene	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.00068	0.00037
1,2-Dichloropropane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.00068	0.00037
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	4	30.8%	0.005	0.005	0.0050	7.4E-11	8	4	50.0%	0.00272	0.032	0.011	0.0089
2-Butanone	mg/L	13	1	7.7%	0.001	0.001	0.0010	0	4	0	0.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	13	2	15.4%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.005	0.012	0.0093	0.0021
4-Chlorotoluene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	3	23.1%	0.005	0.005	0.0050	7.4E-11	8	3	37.5%	0.005	0.005	0.0010	0.67
Acetone	mg/L	13	8	61.5%	0.005	0.005	0.0050	7.4E-11	8	8	100.0%	0.0099	11.6	1.81	4.00
Benzene	mg/L	13	3	23.1%	0.001	0.001	0.0010	0.00058	8	2	25.0%	0.0005	0.0025	0.0011	0.00058
Bromobenzene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.00068	0.00037
Bromoforn	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Bromomethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Carbon disulfide	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Carbon tetrachloride	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Chlorobenzene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Chloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Chloroform	mg/L	13	3	23.1%	0.001	0.001	0.0010	0.00022	8	2	25.0%	0.001	0.001	0.0010	0.00078
Chloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
cis-1,2-Dichloroethane	mg/L	13	6	46.2%	0.001	0.001	0.0010	1.3E-11	8	6	75.0%	0.001	0.001	0.0010	0.00058
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Dibromochloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Dibromomethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Dichlorodifluoromethane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.001	0.0010	0.00029
Ethylbenzene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
Isopropylbenzene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.001	0.0010	0.00058
meta & para Xylenes	mg/L	11	2	18.2%	0.001	0.001	0.0010	na	8	2	25.0%	0.001	0.005	0.0017	0.0014
meta-Xylene	mg/L	1	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.005	0.0025	0.0030
Methylene chloride	mg/L	13	2	15.4%	0.005	0.005	0.0050	0.067	2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%	0.001	0.001	0.0010	0	7	2	28.6%	0.001	0.014	0.0047	0.0051

Detection frequency of chemicals by sampling technique at Well CG-104-D

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.	Min	Max	Average	Std. Dev.
n-Propylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	1	0	0.0%	0.001	0.001	0.0010	na	0.001	0.0025	0.0013	0.00060
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0
Styrene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0
tert-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0
Toluene	mg/L	13	4	30.8%	5	0	0.0%	0.002	0.002	0.0020	2.6E-11	0.002	0.002	0.0020	0.00063
trans-1,2-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	0.0022	0.001	0.001	0.0010	0.00058
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0.00036
Trichloroethene	mg/L	13	7	53.8%	5	0	0.0%	0.002	0.002	0.0020	2.6E-11	0.002	0.002	0.0020	0.00058
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0.31
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.001	0.0010	0.00059
Vinyl chloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	0.00089	0.001	0.001	0.0010	0.00020
Xylene isomers (total)	mg/L	13	2	15.4%	5	0	0.0%	0.002	0.003	0.0024	0.00055	0.002	0.0165	0.0011	0.00058
															0.0055

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-104-I

Chemical	Units	Pre and Microbudge				Microbudge							
		No. of results	No. of Detection detects frequency	No. of results	No. of Detection detects frequency	Min	Average	Std. Dev.	No. of results	No. of Detection detects frequency	Min	Average	Std. Dev.
<b>Field Parameters</b>													
Conductivity	µS/cm	16	100.0%	6	100.0%	347	454	73.6	10	100.0%	329	2430	6170
Dissolved oxygen, wd/vol	mg/L	16	100.0%	6	100.0%	0.366	2.67	2.55	10	100.0%	0	9.89	24.6
Flow	mL/min	15	100.0%	5	100.0%	580	734	138	10	100.0%	191	313	40.4
Frequency	Hz	10	100.0%	6	100.0%	-137	-61.8	84.1	10	100.0%	-98	75	70.7
Oxidation Reduction Potential	mV	16	100.0%	6	100.0%	8.05	6.91	0.98	10	100.0%	6.16	8.13	0.56
pH	degF	16	100.0%	6	100.0%	59.1	60.0	1.35	10	100.0%	54.4	63.3	3.00
Temperature	NTU	16	100.0%	6	100.0%	1.53	5.53	4.94	10	100.0%	2.05	107	21.9
Turbidity	L	15	100.0%	5	100.0%	9	16.2	4.84	10	100.0%	3.16	11.5	2.59
Volume Removed													
<b>Conventional Water Quality Parameters</b>													
Hardness	mg/L	1	100.0%	1	100.0%				1	100.0%	52.2	52.2	na
Bicarbonate	mg/L	1	100.0%	1	100.0%				1	100.0%	175	175	na
Bicarbonate alkalinity	mg/L	1	100.0%	1	100.0%				1	100.0%	159	159	na
Carbon dioxide	mg/L	6	100.0%	6	100.0%				6	100.0%	11.4	38.2	11.0
Carbonate	mg/L	1	100.0%	1	100.0%				1	100.0%	5	5	na
Carbonate alkalinity	mg/L	1	0.0%	0	0.0%				1	0.0%	10	10.0	na
Fluoride	mg/L	1	100.0%	1	100.0%				1	100.0%	0.717	0.72	na
Hydroxide alkalinity	mg/L	1	0.0%	0	0.0%				1	0.0%	10	10.0	na
Hydroxide ion (OH-)	mg/L	1	100.0%	1	100.0%				1	100.0%	5	5.00	na
Methane	mg/L	6	100.0%	6	100.0%				6	100.0%	2.95	14.4	4.56
Nitrate	mg/L	4	25.0%	1	25.0%				4	25.0%	0.01	0.1	0
Nitrite	mg/L	6	33.3%	2	33.3%				6	33.3%	0.5	0.5	0.043
Oil and grease	mg/L	1	0.0%	0	0.0%				1	0.0%	0.2	2.77	0.99
Sulfate	mg/L	6	83.3%	5	83.3%				6	83.3%	0.2	32.1	11.5
Sulfides	mg/L	5	40.0%	2	40.0%				5	40.0%	5	16.4	92.2
Total alkalinity	mg/L	6	100.0%	6	100.0%				6	100.0%	159	402	230
Total chloride	mg/L	6	100.0%	6	100.0%				6	100.0%	22.6	43.6	33.9
Total organic carbon	mg/L	4	100.0%	4	100.0%				4	100.0%	5.49	15.4	4.57
<b>Acids</b>													
Acetic acid	mg/L	1	0.0%	0	0.0%				1	0.0%	0.25	0.25	na
Butyric Acid	mg/L	1	0.0%	0	0.0%				1	0.0%	0.25	0.25	na
Isobutyric Acid	mg/L	1	0.0%	0	0.0%				1	0.0%	0.25	0.25	na
Propionic acid	mg/L	1	0.0%	0	0.0%				1	0.0%	0.25	0.25	na
<b>Hydrocarbons</b>													
Diesel Range Hydrocarbons	mg/L	5	60.0%	1	0.0%	0.223	0.223	na	4	75.0%	0.118	0.347	0.099
Gasoline Range Organics	mg/L	5	80.0%	1	0.0%	0.05	0.050	na	4	100.0%	0.0207	0.148	0.053
Petroleum hydrocarbons	mg/L	1	0.0%	0	0.0%	1	1.00	na	1	0.0%	0.5	0.50	0
Lube oil	mg/L	4	25.0%	1	25.0%				4	25.0%	0.5	0.5	na
HClD Diesel	mg/L	1	0.0%	0	0.0%				1	0.0%	0.142	0.142	na
HClD Gasoline	mg/L	1	100.0%	1	100.0%				1	100.0%	0.002	16.7	6.66
Ethane	mg/L	6	83.3%	5	80.0%				6	83.3%	0.003	7.66	3.25
<b>Dioxins</b>													
2,3,7,8-Tetrachlorodibenzo-p-dioxin	mg/L	1	100.0%	1	100.0%				1	100.0%	0.00045	0.00045	na
Total heptachlorodibenzo-p-dioxins	mg/L	1	100.0%	1	100.0%				1	100.0%	0.00087	0.00087	na
Total hexachlorodibenzofurans	mg/L	1	100.0%	1	100.0%				1	100.0%	0.00057	0.00057	na
Total pentachlorodibenzo-p-dioxins	mg/L	1	100.0%	1	100.0%				1	100.0%	0.0004	0.0004	na
Total tetrachlorodibenzofurans	mg/L	1	100.0%	1	100.0%				1	100.0%	0.00042	0.00042	na
Total tetraclorodibenzo-p-dioxins	mg/L	1	100.0%	1	100.0%				1	100.0%	0.00039	0.00039	na
<b>Metals</b>													
Ferric Iron	mg/L	2	100.0%	2	100.0%				2	100.0%	7.29	11.2	2.76
Ferrous Iron	mg/L	5	60.0%	3	60.0%				5	60.0%	0.178	1.8	0.85
Antimony	mg/L	2	0.0%	0	0.0%				2	0.0%	0.06	0.06	0

Detection frequency of chemicals by sampling technique at Well CG-104-I

Chemical	Pre and Micropurge						Pre-Micropurge						Micropurge						
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	
Arsenic	mg/L	12	4	33.3%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	7	4	57.1%	0.000308	0.01	0.0020	0.0035	
Barium	mg/L	11	2	18.2%	5	0	0.0%	0.2	0.2	0.20	3.3E-09	2	2	33.3%	0.00461	0.2	0.11	0.10	
Beryllium	mg/L	11	1	9.1%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	6	1	16.7%	0.00006	0.005	0.0028	0.0024	
Cadmium	mg/L	11	1	9.1%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	6	1	16.7%	0.00132	0.0236	0.0096	0.0076	
Calcium	mg/L	11	4	36.4%	5	0	0.0%	0.025	0.025	0.025	4.2E-10	6	3	50.0%	0.0017	0.025	0.014	0.012	
Chromium	mg/L	11	3	27.3%	5	0	0.0%	0.025	0.025	0.025	4.2E-10	6	1	16.7%	0.01	0.06	0.021	0.020	
Copper	mg/L	6	1	16.7%	5	0	0.0%	0.003	0.003	0.0030	3.7E-11	7	5	100.0%	3.3	9.46	5.84	2.57	
Cyanide	mg/L	5	5	100.0%	5	0	0.0%	0.003	0.003	0.0030	3.7E-11	7	3	42.9%	0.00315	0.0031	0.0020	0.0013	
Iron	mg/L	12	3	25.0%	1	1	100.0%	0.003	0.003	0.0030	3.7E-11	7	3	42.9%	0.00315	0.0031	0.0020	0.0013	
Lead	mg/L	1	1	100.0%	5	0	0.0%	0.002	0.002	0.0020	0.00099	1	1	100.0%	6.89	6.89	6.89	na	
Magnesium	mg/L	6	6	100.0%	5	0	0.0%	0.002	0.002	0.0020	0.00099	6	6	100.0%	0.119	0.492	0.27	0.15	
Manganese	mg/L	7	1	14.3%	5	0	0.0%	0.04	0.04	0.040	5.9E-10	2	3	50.0%	0.0234	0.04	0.021	0.020	
Mercury	mg/L	11	3	27.3%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	6	1	16.7%	0.001	0.01	0.0055	0.0049	
Nickel	mg/L	11	1	9.1%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	6	1	16.7%	0.001	0.01	0.0055	0.0049	
Potassium	mg/L	11	1	9.1%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	6	1	16.7%	0.001	0.01	0.0055	0.0049	
Selenium	mg/L	11	1	9.1%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	6	1	16.7%	0.001	0.01	0.0055	0.0049	
Silver	mg/L	2	2	100.0%	5	0	0.0%	0.01	0.01	0.010	1.5E-10	2	2	100.0%	91.6	106	98.8	10.2	
Sodium	mg/L	2	0	0.0%	5	2	40.0%	0.02	0.722	0.16	0.31	2	0	0.0%	0.2	0.2	0.20	0	
Thallium	mg/L	2	0	0.0%	5	2	40.0%	0.02	0.722	0.16	0.31	2	0	0.0%	0.0556	0.0647	0.025	0.021	
Zinc	mg/L	11	6	54.5%	5	2	40.0%	0.02	0.722	0.16	0.31	6	4	66.7%	0.0556	0.0647	0.025	0.021	
<b>Polychlorinated Biphenyls</b>																			
Aroclor® 1016	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
Aroclor® 1221	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.001	0.00036	0.00037	
Aroclor® 1232	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
Aroclor® 1242	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
Aroclor® 1248	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
Aroclor® 1254	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
Aroclor® 1260	mg/L	10	0	0.0%	5	0	0.0%	0.0001	0.0003	0.00016	0.000089	5	0	0.0%	0.0001	0.0005	0.00026	0.00017	
<b>Herbicides</b>																			
245-T	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	0.00050	1	1	100.0%	0.0005	0.0005	0.00050	na	
24-D	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	0.00050	1	1	100.0%	0.0005	0.0005	0.00050	na	
Silvex	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	0.00050	1	1	100.0%	0.0005	0.0005	0.00050	na	
<b>Pesticides</b>																			
Kepon	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
4,4'-DDD	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
4,4'-DDE	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
4,4'-DDT	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
Aldrin	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
alpha-Endosulfan	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
alpha-Hexachlorocyclohexane	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
beta-Endosulfan	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
beta-Hexachlorocyclohexane	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
delta-Hexachlorocyclohexane	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Dieldrin	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Endosulfan sulfate	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Endrin	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Endrin aldehyde	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
gamma-Hexachlorocyclohexane	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
Heptachlor	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
Heptachlor epoxide	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Isodrin	mg/L	1	0	0.0%	1	0	0.0%	0.0001	0.0001	0.00010	0.00010	1	0	0.0%	0.0001	0.0001	0.00010	na	
Methoxychlor	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
Toxaphene	mg/L	1	0	0.0%	1	0	0.0%	0.0005	0.0005	0.00050	0.00050	1	0	0.0%	0.0005	0.0005	0.00050	na	
<b>Semivolatile Organic Compounds</b>																			
1,2,4-Trichlorobenzene	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.00094	0.01	0.0032	0.0037	



Detection frequency of chemicals by sampling technique at Well CG-104-I

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of detections	No. of results	No. of detections	Units	Min	Max	Average	Std. Dev.	No. of results	No. of detections	Min	Max	Average	Std. Dev.
Hexachlorobutadiene	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0040	0.0047	
Hexachlorocyclopentadiene	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0070	0.0047	
Hexachloroethane	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0070	0.0047	
Indeno[1,2,3-cd]pyrene	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0045	0.0046	
Isophorone	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0062	0.0045	
Methylphenol	mg/L	1	0	0.0%						1	0	0.005	0.005	0.0050	na	
Naphthalene	mg/L	14	3	21.4%	6	1	16.7%	0.001	0.0023	8	2	0.0001	0.0052	0.0019	0.0020	
Nitrobenzene	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0062	0.0045	
N-nitroso-di-n-propylamine	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.0010	6	0	0.00094	0.01	0.0070	0.0047	
N-nitrosodiphenylamine	mg/L	11	1	9.1%	4	1	25.0%	0.001	0.0010	7	0	0.00094	0.01	0.0067	0.0043	
Pentachlorophenol	mg/L	11	4	36.4%	4	2	50.0%	0.005	0.0050	7	2	0.0047	0.01	0.0085	0.0025	
Phenanthrene	mg/L	11	1	9.1%	4	1	25.0%	0.001	0.0010	7	0	0.0001	0.01	0.0053	0.0047	
Phenol	mg/L	14	5	35.7%	6	3	50.0%	0.001	0.0010	8	2	0.00094	0.01	0.0060	0.0045	
Pyrene	mg/L	11	1	9.1%	4	1	25.0%	0.001	0.0010	7	0	0.0001	0.01	0.0053	0.0047	
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%						5	0	0.0005	0.001	0.00090	0.0022	
1,1,1-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010	8	2	0.0005	0.0017	0.0010	0.00032	
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.002	0.0028	7	1	0.0005	0.0038	0.0019	0.0013	
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.0010	3	0	0.002	0.002	0.0020	0	
1,1,2-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0002	0.001	0.00071	0.00041	
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.016	0.0494	8	8	0.001	0.24	0.051	0.079	
1,1-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0002	0.001	0.00064	0.00039	
1,1-Dichloropropene	mg/L	4	0	0.0%						4	0	0.001	0.001	0.0010	0	
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%						2	0	0.001	0.001	0.0010	0	
1,2,3-Trichloropropane	mg/L	3	0	0.0%						3	0	0.001	0.001	0.0010	0	
1,2,4-Trimethylbenzene	mg/L	3	2	66.7%	3	2	66.7%	0.001	0.0010	3	2	0.001	0.00162	0.0014	0.00032	
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%						3	0	0.001	0.005	0.0037	0.0023	
1,2-Dibromoethane	mg/L	3	0	0.0%						3	0	0.001	0.001	0.0010	0	
1,2-Dichloroethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.0011	8	2	0.0002	0.001	0.00061	0.00042	
1,2-Dichloropropane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0002	0.001	0.00064	0.00039	
1,3,5-Trimethylbenzene	mg/L	2	1	50.0%						2	1	0.000448	0.001	0.00072	0.00039	
1,3-Dichloropropane	mg/L	4	0	0.0%						4	0	0.001	0.001	0.0010	0	
2,2-Dichloropropane	mg/L	4	0	0.0%						4	0	0.001	0.001	0.0010	0	
2-Butanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	0.005	0.01	0.0083	0.0024	
2-Chloroethylvinyl ether	mg/L	1	0	0.0%						1	0	0.001	0.001	0.0010	0	
2-Chlorotoluene	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	0.005	0.01	0.0083	0.0024	
2-Hexanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	0.005	0.01	0.0083	0.0024	
4-Chlorotoluene	mg/L	2	0	0.0%						2	0	0.001	0.001	0.0010	0	
4-Isopropyltoluene	mg/L	2	0	0.0%						2	0	0.001	0.001	0.0010	0	
4-Methyl-2-pentanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	0.005	0.01	0.0078	0.0024	
Acetone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.0050	8	2	0.0051	4.9	0.62	1.73	
Benzene	mg/L	13	12	92.3%	5	5	100.0%	0.0034	0.0094	8	7	0.001	0.00889	0.0048	0.0032	
Bromobenzene	mg/L	2	0	0.0%						2	0	0.001	0.001	0.0010	0	
Bromochloromethane	mg/L	2	0	0.0%						2	0	0.001	0.001	0.0010	0	
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0002	0.001	0.00064	0.00039	
Bromoform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0005	0.0012	0.00096	0.00020	
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.001	0.005	0.0015	0.0014	
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.001	0.01	0.0023	0.0031	
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0002	0.001	0.00064	0.00039	
Chlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010	8	2	0.0002	0.0012	0.00093	0.00029	
Chloroethane	mg/L	13	9	69.2%	5	5	100.0%	0.0032	0.028	8	4	0.001	0.01	0.025	0.041	
Chloroform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0005	0.0012	0.00096	0.00020	
Chloromethane	mg/L	13	3	23.1%	5	2	40.0%	0.001	0.0024	8	1	0.0005	0.005	0.0040	0.0018	
cis-1,2-Dichloroethane	mg/L	13	11	84.6%	5	5	100.0%	0.0016	0.13	8	6	0.0005	0.074	0.013	0.025	
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	0.0005	0.0012	0.00096	0.00020	

Detection frequency of chemicals by sampling technique at Well CG-104-I

Chemical	Pre and Micropurge						Micropurge										
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Average	Std. Dev.	Max	Average	Std. Dev.
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.00071	0.00041
Dibromomethane	mg/L	3	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	3	0	0.0%	0.0005	0.00063	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0015	0.0014
Ethylbenzene	mg/L	13	7	53.8%	5	1	20.0%	0.001	0.0251	0.0060	0.011	8	6	75.0%	0.00077	0.11	0.30
Isopropylbenzene	mg/L	2	0	0.0%	4	3	75.0%	0.004	0.0474	0.029	0.018	2	0	0.0%	0.001	0.0010	0
meta & para Xylenes	mg/L	11	9	81.8%	1	0	0.0%	0.001	0.001	0.0010	na	7	6	85.7%	0.002	0.026	0.033
meta-Xylene	mg/L	1	0	0.0%	5	0	0.0%	0.005	0.11	0.029	0.045	8	2	25.0%	0.00151	0.0065	0.0075
Methylene chloride	mg/L	13	2	15.4%	1	0	0.0%	0.001	0.001	0.0024	0.0029	2	0	0.0%	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.005	0.11	0.029	0.045	2	0	0.0%	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%	5	3	60.0%	0.001	0.00752	0.0024	0.0029	7	5	71.4%	0.001	0.0053	0.010
ortho-Xylene	mg/L	12	8	66.7%	1	1	100.0%	0.019	0.019	0.019	na	7	5	71.4%	0.001	0.028	0.010
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.019	0.019	0.019	na	7	5	71.4%	0.001	0.028	0.010
sec-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	2	0	0.0%	0.001	0.0010	0
Styrene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.00096	0.00020
tert-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	2	0	0.0%	0.001	0.0010	0
Tetrachloroethene	mg/L	13	7	53.8%	5	1	20.0%	0.002	0.0673	0.015	0.029	8	2	25.0%	0.0002	0.00062	0.00041
Toluene	mg/L	13	13	100.0%	5	5	100.0%	0.151	0.34	0.26	0.088	8	6	75.0%	0.00656	0.19	0.66
trans-1,2-Dichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.001	0.001	0.0010	1.3E-11	8	8	100.0%	0.004	1.1	0.37
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.00096	0.00020
Trichloroethene	mg/L	13	2	15.4%	5	1	20.0%	0.002	0.183	0.038	0.081	8	1	12.5%	0.0005	0.15	0.53
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.0012	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	6	1	16.7%	0.001	0.0030	0.0022
Vinyl chloride	mg/L	13	13	100.0%	5	5	100.0%	1.5	2	1.76	0.24	8	8	100.0%	0.001	3.28	5.25
Xylene isomers (total)	mg/L	13	11	84.6%	5	4	80.0%	0.005	0.0549	0.030	0.018	8	7	87.5%	0.003	0.032	0.039

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-104-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	367	642	501	97.4	10	10	100.0%	384	17300	2150	5320
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0	5.33	2.12	1.98	9	9	100.0%	0	31	5.71	9.71
Flow	mL/min	15	15	100.0%	5	5	100.0%	367	700	512	122	10	10	100.0%	163	278	228	34.9
Frequency	Hz	10	10	100.0%								10	10	100.0%	67	91	75.2	6.88
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	-186	34.8	-54.9	77.6	10	10	100.0%	-80	141	13.2	68.7
pH	pH	16	16	100.0%	6	6	100.0%	6.16	7.08	6.46	0.33	10	10	100.0%	5.58	6.5	6.27	0.29
Temperature	degF	16	16	100.0%	6	6	100.0%	59.8	66.9	63.1	2.62	10	10	100.0%	56.3	74.6	64.4	5.26
Turbidity	NTU	16	16	100.0%	6	6	100.0%	1.63	19.3	8.33	6.12	10	10	100.0%	1.53	10.5	3.64	3.00
Volume Removed	L	15	15	100.0%	5	5	100.0%	3	8.5	6.19	2.81	10	10	100.0%	3	12.9	5.31	3.07
<b>Conventional Water Quality Parameters</b>																		
Hardness	mg/L	1	1	100.0%								1	1	100.0%	79.1	79.1	79.1	na
Bicarbonate	mg/L	1	1	100.0%								1	1	100.0%	174	174	174	na
Bicarbonate alkalinity	mg/L	1	1	100.0%								1	1	100.0%	158	158	158	na
Carbon dioxide	mg/L	6	6	100.0%								6	6	100.0%	58.1	134	94.3	28.2
Carbonate	mg/L	1	1	100.0%								1	1	100.0%	5	5	5.00	na
Carbonate alkalinity	mg/L	1	0	0.0%								1	0	0.0%	10	10	10.0	na
Fluoride	mg/L	1	1	100.0%								1	1	100.0%	0.317	0.317	0.32	na
Hydroxide alkalinity	mg/L	1	0	0.0%								1	0	0.0%	10	10	10.0	na
Hydroxide ion (OH-)	mg/L	1	1	100.0%								1	1	100.0%	5	5	5.00	na
Methane	mg/L	6	6	100.0%								6	6	100.0%	0.377	2.57	1.53	0.95
Nitrate	mg/L	4	3	75.0%								4	3	75.0%	0.1	0.176	0.13	0.040
Nitrite	mg/L	6	4	66.7%								6	4	66.7%	0.0206	0.135	0.093	0.038
Sulfate	mg/L	6	6	100.0%								6	6	100.0%	0.649	5	2.52	1.56
Sulfides	mg/L	5	0	0.0%								5	0	0.0%	5	20	11.0	8.22
Total alkalinity	mg/L	6	6	100.0%								6	6	100.0%	158	183	175	8.98
Total chloride	mg/L	6	6	100.0%								6	6	100.0%	22.1	34.2	29.8	4.21
Total organic carbon	mg/L	4	4	100.0%								4	4	100.0%	16.3	34.4	24.7	9.04
<b>Acids</b>																		
Acetic acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Butyric Acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Isobutyric Acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Propionic acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								4	4	100.0%	2.75	5.62	4.24	1.51
Gasoline Range Organics	mg/L	4	4	100.0%								4	4	100.0%	25.7	33.3	30.7	3.47
Lube oil	mg/L	4	4	100.0%								4	4	100.0%	0.111	0.62	0.44	0.23
Ethane	mg/L	6	2	33.3%								6	2	33.3%	0.002	0.2	0.048	0.078
Ethene	mg/L	5	5	100.0%								5	5	100.0%	0.895	2.34	1.39	0.57
<b>Metals</b>																		
Ferric Iron	mg/L	2	2	100.0%								2	2	100.0%	21.9	25.3	23.6	2.40
Ferrous Iron	mg/L	5	5	100.0%								5	5	100.0%	4.9	21.3	10.5	6.93
Antimony	mg/L	2	0	0.0%								2	0	0.0%	0.06	0.06	0.060	0
Arsenic	mg/L	8	8	88.9%								6	5	83.3%	0.001	0.0205	0.014	0.0070
Barium	mg/L	8	25.0%	31.3%								5	2	40.0%	0.00571	0.2	0.12	0.10
Beryllium	mg/L	2	2	100.0%								2	2	100.0%	0.000025	0.00004	0.000033	0.000011
Cadmium	mg/L	8	0	0.0%								5	0	0.0%	0.001	0.005	0.0034	0.0022
Calcium	mg/L	1	1	100.0%								1	1	100.0%	17.2	17.2	17.2	na
Chromium	mg/L	8	2	25.0%								5	2	40.0%	0.00284	0.01	0.0083	0.0031
Copper	mg/L	8	1	12.5%								5	1	20.0%	0.001	0.025	0.015	0.013
Cyanide	mg/L	6	4	66.7%								6	4	66.7%	0.01	0.196	0.057	0.078
Iron	mg/L	5	5	100.0%								5	5	100.0%	19.9	30.7	24.5	4.54
Lead	mg/L	9	1	11.1%								6	1	16.7%	0.000657	0.003	0.0019	0.0012
Magnesium	mg/L	1	1	100.0%								1	1	100.0%	5.11	5.11	5.11	na
Manganese	mg/L	6	6	100.0%								6	6	100.0%	0.483	0.677	0.54	0.071

Detection frequency of chemicals by sampling technique at Well CG-104-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Mercury	mg/L	4	0	0.0%	3	0	0.0%	0.0002	0.002	0.00080	0.0010	1	0	0.0%	0.0002	0.0002	0.00020	na
Nickel	mg/L	8	2	25.0%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	5	2	40.0%	0.00154	0.4	0.025	0.020
Potassium	mg/L	1	1	100.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	1	100.0%	27.4	27.4	27.4	na
Selenium	mg/L	8	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	5	0	0.0%	0.001	0.005	0.0034	0.0022
Silver	mg/L	8	1	12.5%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	5	1	20.0%	0.001	0.01	0.0064	0.0049
Sodium	mg/L	2	2	100.0%	3	0	0.0%	0.003	0.003	0.0030	4.2E-12	4	0	0.0%	0.001	0.003	0.0018	0.00096
Thallium	mg/L	2	0	0.0%	3	0	0.0%	0.003	0.003	0.0030	4.2E-12	4	0	0.0%	0.001	0.003	0.0018	0.00096
Zinc	mg/L	8	1	12.5%	3	0	0.0%	0.02	0.02	0.020	2.7E-10	5	0	0.0%	0.01	0.02	0.016	0.0055
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.0003	0.00030	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00018	0.000096
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.00095	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	10	76.9%	5	4	80.0%	0.00118	0.0022	0.0016	0.00046	8	6	75.0%	0.001	0.0125	0.0065	0.0042
1,3-Dichlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.006	0.0020	0.0022	8	3	37.5%	0.00095	0.0125	0.0024	0.0041
1,4-Dichlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.007	0.0022	0.0027	8	3	37.5%	0.00095	0.0125	0.0024	0.0041
2,4,5-Trichlorophenol	mg/L	9	4	44.4%	3	2	66.7%	0.001	0.001	0.0010	0	6	2	33.3%	0.00095	0.01	0.0070	0.0047
2,4,6-Trichlorophenol	mg/L	9	4	44.4%	3	2	66.7%	0.001	0.001	0.0010	0	6	2	33.3%	0.00095	0.01	0.0070	0.0047
2,4-Dichlorophenol	mg/L	9	4	44.4%	3	2	66.7%	0.001	0.001	0.0010	0	6	2	33.3%	0.00095	0.01	0.0070	0.0047
2,4-Dimethylphenol	mg/L	13	12	92.3%	6	2	100.0%	0.001	0.015	0.0065	0.0066	7	6	85.7%	0.001	0.0373	0.021	0.012
2,4-Dinitrophenol	mg/L	9	4	44.4%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	6	2	33.3%	0.0048	0.05	0.020	0.016
2,4-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	9	4	44.4%	3	2	66.7%	0.001	0.001	0.0010	0	6	2	33.3%	0.00095	0.01	0.0070	0.0047
2-Methyl-4,6-dinitrophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Methylnaphthalene	mg/L	9	4	44.4%	3	2	66.7%	0.001	0.005	0.0050	6.7E-11	6	2	33.3%	0.0048	0.02	0.010	0.0055
2-Methylphenol	mg/L	14	10	71.4%	6	4	66.7%	0.001	0.0063	0.0022	0.0021	8	6	75.0%	0.001	0.0342	0.013	0.011
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.0019	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	10	4	40.0%	3	2	66.7%	0.001	0.001	0.0010	0	7	2	28.6%	0.00095	0.01	0.0074	0.0044
3,3-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.005	0.0050	6.7E-11	5	0	0.0%	0.0048	0.01	0.0080	0.0047
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
4-Chloro-3-methylphenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
4-Chloroaniline	mg/L	9	4	44.4%	3	2	66.7%	0.002	0.002	0.0020	0	6	2	33.3%	0.0019	0.01	0.0073	0.0042
4-Chlorophenyl-phenyl ether	mg/L	8	1	12.5%	3	1	33.3%	0.002	0.0069	0.0036	0.0028	5	0	0.0%	0.0019	0.01	0.0068	0.0044
4-Methylphenol	mg/L	12	9	75.0%	6	5	83.3%	0.001	0.0052	0.0023	0.0017	6	4	66.7%	0.00095	0.0227	0.0088	0.0081
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.0048	0.01	0.0080	0.0028
4-Nitrophenol	mg/L	10	4	40.0%	3	2	66.7%	0.001	0.001	0.0010	0	6	0	0.0%	0.00095	0.05	0.013	0.017
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	6	0	0.0%	0.0048	0.01	0.0080	0.0028
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.00095	0.001	0.00098	0.00035
Benzo[a]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.0001	0.01	0.0048	0.0048
Benzo[b]fluoranthene	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.00095	0.01	0.0040	0.0052
Benzo[e]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[ghi]perylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051

Detection frequency of chemicals by sampling technique at Well CG-104-S1

Chemical	Units	Pre and Micropurge			Pre-Micropurge			Micropurge		
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency
Benzoyl acid	mg/L	6	4	50.0%	3	2	66.7%	5	2	40.0%
Benzyl alcohol	mg/L	9	1	11.1%	3	0	0.0%	6	1	16.7%
bis(2-chloroethoxy)methane	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
bis(2-chloroethoxy)ether	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Bis(2-chloroisopropoxy)ether	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
bis(2-Ethylhexyl)phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	3	0	0.0%
Chrysenes	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Dibenz(a,h)anthracene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Diethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Di-n-butyl phthalate	mg/L	8	1	12.5%	3	0	0.0%	5	1	20.0%
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Hexachlorobutadiene	mg/L	8	1	12.5%	3	0	0.0%	5	1	20.0%
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Indeno[1,2,3-cd]pyrene	mg/L	8	1	12.5%	3	1	33.3%	5	0	0.0%
Isophthalone	mg/L	1	0	0.0%	5	5	100.0%	1	0	0.0%
Methylphenol	mg/L	13	13	100.0%	3	0	0.0%	8	8	100.0%
Naphthalene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%
N-nitroso-di-n-propylamine	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
N-nitrosodiphenylamine	mg/L	10	4	40.0%	3	2	66.7%	7	2	28.6%
Pentachlorophenol	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Phenanthrene	mg/L	14	7	50.0%	6	3	50.0%	8	4	50.0%
Phenol	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%
Pyrene	mg/L	13	13	100.0%	3	0	0.0%	8	8	100.0%
<b>Volatile Organic Compounds</b>										
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	5	5	100.0%	5	1	20.0%
1,1,1-Trichloroethane	mg/L	13	12	92.3%	5	5	100.0%	8	7	87.5%
1,1,2,2-Tetrachloroethane	mg/L	12	3	25.0%	5	0	0.0%	7	3	42.9%
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	2	50.0%	1	0	0.0%	3	2	66.7%
1,1,2-Trichloroethane	mg/L	13	9	69.2%	5	5	100.0%	8	4	50.0%
1,1-Dichloroethane	mg/L	13	12	92.3%	5	5	100.0%	8	7	87.5%
1,1-Dichloroethane	mg/L	13	3	23.1%	5	0	0.0%	8	3	37.5%
1,1-Dichloropropane	mg/L	4	1	25.0%	5	0	0.0%	4	1	25.0%
1,2,3-Trichlorobenzene	mg/L	2	1	50.0%	5	5	100.0%	2	1	50.0%
1,2,3-Trichloropropane	mg/L	3	1	33.3%	5	0	0.0%	3	1	33.3%
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	5	5	100.0%	3	3	100.0%
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%	5	5	100.0%	3	1	33.3%
1,2-Dibromoethane	mg/L	3	1	33.3%	5	5	100.0%	3	1	33.3%
1,2-Dichloroethane	mg/L	13	12	92.3%	5	5	100.0%	8	7	87.5%
1,2-Dichloropropane	mg/L	13	3	23.1%	5	0	0.0%	8	3	37.5%
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	5	5	100.0%	2	2	100.0%
1,3-Dichloropropane	mg/L	4	1	25.0%	5	0	0.0%	4	1	25.0%
2,2-Dichloropropane	mg/L	4	1	25.0%	5	0	0.0%	4	1	25.0%
2-Butanone	mg/L	13	3	23.1%	5	0	0.0%	8	3	37.5%
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	4	1	25.0%
2-Chlorotoluene	mg/L	2	1	50.0%	5	0	0.0%	2	1	50.0%
2-Hexanone	mg/L	13	4	30.8%	5	0	0.0%	8	4	50.0%

Detection frequency of chemicals by sampling technique at Well CG-104-S1

Chemical	Units	Pre and Microburge				Pre-Microburge				Microburge						
		No. of results	No. of detects	No. of detects frequency	No. of detects frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
4-Chlorotoluene	mg/L	2	1	50.0%												
4-Isopropyltoluene	mg/L	2	1	50.0%												
4-Methyl-2-pentanone	mg/L	13	3	23.1%												
Acetone	mg/L	13	6	46.2%												
Benzene	mg/L	13	12	92.3%												
Bromobenzene	mg/L	2	1	50.0%												
Bromochloromethane	mg/L	2	1	50.0%												
Bromodichloromethane	mg/L	13	3	23.1%												
Bromoforn	mg/L	13	3	23.1%												
Bromomethane	mg/L	13	3	23.1%												
Carbon disulfide	mg/L	13	3	23.1%												
Carbon tetrachloride	mg/L	13	3	23.1%												
Chlorobenzene	mg/L	13	5	38.5%												
Chloroethane	mg/L	13	12	92.3%												
Chloroform	mg/L	13	8	61.5%												
Chloromethane	mg/L	13	3	23.1%												
cis-1,2-Dichloroethene	mg/L	13	12	92.3%												
cis-1,3-Dichloropropene	mg/L	13	3	23.1%												
Dibromochloromethane	mg/L	13	3	23.1%												
Dibromomethane	mg/L	3	1	33.3%												
Dichlorodifluoromethane	mg/L	13	3	23.1%												
Ethylbenzene	mg/L	13	2	100.0%												
Isopropylbenzene	mg/L	11	11	100.0%												
meta & para Xylenes	mg/L	1	0	0.0%												
methyl-xylene	mg/L	13	5	38.5%												
Methylene chloride	mg/L	2	1	50.0%												
n-Butylbenzene	mg/L	2	2	100.0%												
ortho-Xylene	mg/L	12	12	100.0%												
para-Xylene	mg/L	1	1	100.0%												
sec-Butylbenzene	mg/L	2	1	50.0%												
Styrene	mg/L	13	4	30.8%												
tert-Butylbenzene	mg/L	2	1	50.0%												
Tetrachloroethene	mg/L	13	11	84.6%												
Toluene	mg/L	13	13	100.0%												
trans-1,2-Dichloroethene	mg/L	13	9	69.2%												
trans-1,3-Dichloropropene	mg/L	13	3	23.1%												
Trichloroethene	mg/L	13	5	38.5%												
Trichlorofluoromethane	mg/L	13	3	23.1%												
Vinyl acetate	mg/L	11	2	18.2%												
Vinyl chloride	mg/L	13	12	92.3%												
Xylene isomers (total)	mg/L	13	13	100.0%												

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-104-S2

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge			
		No. of results	No. of detects	No. of results	No. of detects	Min	Max	Average	Std. Dev.	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>													
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	286	546	399	111	194	11500
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0.405	5.35	2.45	2.29	0.91	81
Flow	mL/min	14	14	100.0%	5	5	100.0%	563	760	669	76.5	229	320
Frequency	Hz	9	9	100.0%	6	6	100.0%	-162	59.5	-65.3	78.7	-122	106
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	5.68	7.31	6.61	0.56	6.1	7.61
pH	pH	15	15	100.0%	6	6	100.0%	60.7	64.5	61.8	1.42	59.1	68.5
Temperature	degF	15	15	100.0%	6	6	100.0%	1.67	9.1	4.15	2.71	4	59
Turbidity	NTU	15	15	100.0%	6	6	100.0%	4	10.6	6.68	2.51	1.65	6
Volume Removed	L	14	14	100.0%	5	5	100.0%						
<b>Conventional Water Quality Parameters</b>													
Carbon dioxide	mg/L	4	4	100.0%	4	4	100.0%						
Methane	mg/L	4	4	100.0%	4	4	100.0%						
Nitrate	mg/L	3	0	0.0%	3	0	0.0%						
Nitrite	mg/L	3	0	0.0%	3	0	0.0%						
Sulfate	mg/L	4	2	50.0%	4	2	50.0%						
Sulfides	mg/L	4	1	25.0%	4	1	25.0%						
Total alkalinity	mg/L	3	3	100.0%	3	3	100.0%						
Total chloride	mg/L	4	4	100.0%	4	4	100.0%						
Total organic carbon	mg/L	2	2	100.0%	2	2	100.0%						
<b>Hydrocarbons</b>													
Diesel Range Hydrocarbons	mg/L	4	4	100.0%	4	4	100.0%						
Gasoline Range Organics	mg/L	4	4	100.0%	4	4	100.0%						
Lube oil	mg/L	4	1	25.0%	4	1	25.0%						
Ethane	mg/L	4	4	100.0%	4	4	100.0%						
Ethene	mg/L	3	3	100.0%	3	3	100.0%						
<b>Metals</b>													
Ferric Iron	mg/L	2	2	100.0%	2	2	100.0%						
Ferrous Iron	mg/L	4	4	100.0%	4	4	100.0%						
Arsenic	mg/L	7	2	28.6%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.000356	0.01
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	0.20	0	0.01	0.2
Cadmium	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.005
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.00179	0.01
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	0.00194	0.025
Cyanide	mg/L	4	2	50.0%	4	2	50.0%						
Iron	mg/L	2	2	100.0%	2	2	100.0%						
Lead	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	0.000793	0.003
Manganese	mg/L	4	4	100.0%	4	4	100.0%						
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.0002	0.002	0.00080	0.0010	0.001	0.04
Nickel	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.005
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.01
Silver	mg/L	6	1	16.7%	3	0	0.0%	0.02	0.057	0.032	0.021	0.01	0.02
Zinc	mg/L	6	1	16.7%	3	1	33.3%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
<b>Polychlorinated Biphenyls</b>													
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0002	0.0003	0.00027	0.000058	0.0001	0.0002
<b>Semivolatile Organic Compounds</b>													
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.00097	0.01
1,2-Dichlorobenzene	mg/L	13	5	38.5%	5	2	40.0%	0.001	0.0010	0.0010	0.000045	0.00043	0.00224
1,3-Dichlorobenzene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.005	0.0020	0.0022	0.0005	0.001

Detection frequency of chemicals by sampling technique at Well CG-104-S2

Chemical	Pre and Micropurge				Micropurge							
	Units	No. of results	No. of detection	No. of detection	Min	Average	Std. Dev.	No. of results	No. of detection	Min	Average	Std. Dev.
1,4-Dichlorobenzene	mg/L	13	3	23.1%	0.001	0.0022	0.0027	8	2	0.0005	0.0053	0.00018
2,4,5-Trichlorophenol	mg/L	9	4	44.4%	0.001	0.0010	0	6	2	0.0097	0.0062	0.0045
2,4,6-Trichlorophenol	mg/L	9	4	44.4%	0.001	0.0010	0	6	2	0.0097	0.0062	0.0045
2,4-Dichlorophenol	mg/L	9	4	44.4%	0.001	0.0010	0	6	2	0.0097	0.0062	0.0045
2,4-Dimethylphenol	mg/L	13	7	53.8%	0.001	0.0057	0.0019	7	3	0.001	0.0065	0.0044
2,4-Dinitrophenol	mg/L	9	4	44.4%	0.005	0.0050	6.7E-11	6	2	0.0049	0.016	0.0086
2,4-Dinitrotoluene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
2-Chloronaphthalene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
2-Chlorophenol	mg/L	9	4	44.4%	0.001	0.0010	0	6	2	0.0097	0.0062	0.0045
2-Methyl-4,6-dinitrophenol	mg/L	9	4	44.4%	0.001	0.0010	0	6	2	0.0097	0.0062	0.0045
2-Methylnaphthalene	mg/L	8	1	12.5%	0.001	0.0010	6.7E-11	6	2	0.0049	0.0083	0.0026
2-Methylphenol	mg/L	14	5	35.7%	0.001	0.0010	1.5E-11	8	2	0.0097	0.0066	0.0047
2-Nitroaniline	mg/L	8	1	12.5%	0.002	0.0020	0	5	0	0.019	0.0068	0.0044
2-Nitrophenol	mg/L	10	4	40.0%	0.001	0.0010	0	7	2	0.0097	0.0067	0.0043
3,3-Dichlorobenzidine	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.0097	0.0070	0.0047
4-Bromophenyl-phenyl ether	mg/L	8	1	12.5%	0.005	0.0050	6.7E-11	5	0	0.0049	0.0080	0.0028
4-Chloro-3-methylphenol	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.0097	0.0070	0.0047
4-Chloroaniline	mg/L	9	4	44.4%	0.002	0.0020	0	6	2	0.0019	0.0065	0.0040
4-Chlorophenyl-phenyl ether	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.019	0.0068	0.0044
4-Methylphenol	mg/L	12	5	41.7%	0.001	0.0010	1.5E-11	6	2	0.0097	0.0070	0.0047
4-Nitroaniline	mg/L	8	1	12.5%	0.005	0.0050	6.7E-11	5	0	0.0049	0.0080	0.0028
4-Nitrophenol	mg/L	10	5	50.0%	0.001	0.0010	0	7	3	0.0097	0.0091	0.0081
Acenaphthene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.001	0.0053	0.0051
Acenaphthylene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.001	0.0053	0.0051
Aniline	mg/L	8	1	12.5%	0.005	0.0050	6.7E-11	5	0	0.0049	0.0080	0.0028
Anthracene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.001	0.0053	0.0051
Anthracene	mg/L	5	1	20.0%	0.001	0.0010	0	2	0	0.0097	0.0099	0.00021
Benzofluoranthrene	mg/L	8	1	12.5%	0.002	0.0020	0	5	0	0.001	0.0048	0.0048
Benzofluoranthrene	mg/L	6	1	16.7%	0.001	0.0010	0	3	0	0.0097	0.0040	0.0052
Benzofluoranthrene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0044	0.0051
Benzofluoranthrene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0044	0.0051
Benzofluoranthrene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0044	0.0051
Benzofluoranthrene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0044	0.0051
Benzofluoranthrene	mg/L	8	4	50.0%	0.005	0.0050	6.7E-11	5	2	0.0049	0.010	0.0061
Benzofluoranthrene	mg/L	9	1	11.1%	0.002	0.0020	0	6	0	0.0019	0.0073	0.0042
Benzofluoranthrene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.0097	0.0070	0.0047
Benzofluoranthrene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.0097	0.0070	0.0047
Benzofluoranthrene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Benzofluoranthrene	mg/L	8	2	25.0%	0.002	0.0020	0	5	1	0.00264	0.032	0.025
Butylbenzyl phthalate	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	0.001	0.0010	0	3	0	0.01	0.010	1.3E-10
Chrysene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.001	0.0053	0.0051
Dibenz[a,h]anthracene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0044	0.0051
Dibenzofuran	mg/L	8	1	12.5%	0.005	0.0050	6.7E-11	5	0	0.0049	0.0080	0.0028
Dimethyl phthalate	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Dimethyl phthalate	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Di-n-octyl phthalate	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Fluorene	mg/L	9	1	11.1%	0.001	0.0010	0	6	0	0.001	0.0053	0.0051
Fluorene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.001	0.0053	0.0051
Hexachlorobutadiene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	8	1	12.5%	0.001	0.0010	0	5	0	0.0097	0.0064	0.0049

Detection frequency of chemicals by sampling technique at Well CG-104-S2

Chemical	Pre and Micropurge						Pre-Micropurge						Micropurge					
	Units	No. of results	No. of detects	Deletion frequency	No. of results	No. of detects	Deletion frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Deletion frequency	Min	Max	Average	Std. Dev.
Hexachloroethane	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.01	0.0044	0.0051
Isophorone	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%								1	0	0.0%	0.005	0.005	0.0050	na
Naphthalene	mg/L	13	11	84.6%	5	3	60.0%	0.0041	0.0079	0.0055	0.0014	8	8	100.0%	0.00197	0.0106	0.0048	0.0028
Nitrobenzene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.001	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
Pentachlorophenol	mg/L	10	4	40.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	7	2	28.6%	0.0049	0.01	0.0086	0.0025
Phenanthrene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Phenol	mg/L	14	5	35.7%	6	3	50.0%	0.001	0.001	0.0010	1.5E-11	8	2	25.0%	0.00097	0.01	0.0060	0.0045
Pyrene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%								5	0	0.0%	0.0005	0.001	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	13	5	38.5%	5	3	60.0%	0.001	0.00707	0.0024	0.0026	7	2	25.0%	0.0005	0.0012	0.0096	0.0020
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.003	0.0028	0.00045	8	2	28.6%	0.0005	0.0038	0.0019	0.0013
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	5	38.5%	5	3	60.0%	0.001	0.0115	0.0044	0.0043	8	2	25.0%	0.0002	0.001	0.0071	0.00041
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.071	0.82	0.36	0.31	8	8	100.0%	0.0722	0.233	0.049	0.077
1,1-Dichloropropene	mg/L	13	4	30.8%	5	2	40.0%	0.001	0.0163	0.0044	0.0067	8	2	25.0%	0.0002	0.001	0.0064	0.00039
1,1-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%								3	3	100.0%	0.0434	0.0907	0.069	0.024
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0037	0.0023
1,2-Dichloroethane	mg/L	13	8	61.5%	5	5	100.0%	0.0042	0.021	0.0097	0.0066	8	3	37.5%	0.0002	0.001	0.0064	0.00040
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.0064	0.00039
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.0127	0.0926	0.053	0.056
1,3-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.005	0.01	0.0083	0.0024
2-Chloroethylvinyl ether	mg/L	1	0	0.0%							na							
2-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.005	0.01	0.0083	0.0024
2-Hexanone	mg/L	13	3	23.1%	5	1	20.0%	0.005	0.00556	0.0051	0.00025	8	2	25.0%	0.001	0.001	0.0010	0
4-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	2	100.0%								2	2	100.0%	0.0158	0.00159	0.0016	0.000071
4-Methyl-2-pentanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.005	0.01	0.0077	0.0025
Acetone	mg/L	13	4	30.8%	5	2	40.0%	0.005	0.011	0.0065	0.0026	8	2	25.0%	0.0062	0.039	0.013	0.011
Benzene	mg/L	13	12	92.3%	5	5	100.0%	0.0082	0.0159	0.011	0.0030	8	7	87.5%	0.0024	0.051	0.015	0.020
Bromobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.0064	0.00039
Bromoforn	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.0012	0.0096	0.00020
Bromomethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.005	0.0015	0.0014
Carbon disulfide	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.012	0.0036	0.0046
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.0064	0.00039
Chlorobenzene	mg/L	13	4	30.8%	5	1	20.0%	0.001	0.00103	0.0010	0.000013	8	3	37.5%	0.0032	0.0012	0.0094	0.00026
Chloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.11	0.27	0.18	0.070	8	8	100.0%	0.01	0.96	0.25	0.35
Chloroform	mg/L	13	5	38.5%	5	3	60.0%	0.001	0.0059	0.0023	0.0024	8	2	25.0%	0.0005	0.0012	0.0096	0.00020
Chloromethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.02	0.0048	0.0085	8	2	25.0%	0.001	0.005	0.0035	0.0020
cis-1,2-Dichloroethene	mg/L	13	9	69.2%	5	5	100.0%	0.037	5.16	1.64	2.16	8	4	50.0%	0.0056	0.042	0.0073	0.014
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.0096	0.00020
Dibromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0002	0.001	0.0071	0.00041
Dibromomethane	mg/L	3	0	0.0%								3	0	0.0%	0.0005	0.001	0.0083	0.00029

Detection frequency of chemicals by sampling technique at Well CG-104-S2

Chemical	Pre and Micropurge										Micropurge									
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.		
Dichlorodifluoromethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.0013	0.0011	0.00013	8	2	25.0%	0.001	0.005	0.0015	0.0014		
Ethylbenzene	mg/L	13	11	84.6%	5	5	100.0%	0.29	0.65	0.43	0.15	8	6	75.0%	0.001	0.74	0.18	0.29		
Isopropylbenzene	mg/L	2	2	100.0%	4	4	100.0%	0.199	0.42	0.28	0.096	2	2	100.0%	0.00839	0.00851	0.0085	0.000085		
meta & para Xylenes	mg/L	11	11	100.0%	1	0	0.0%	0.001	0.001	0.0010	na	7	7	100.0%	0.036	0.6	0.21	0.23		
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.005	0.1	0.047	0.035	8	2	25.0%	0.00217	0.0242	0.0073	0.0069		
Methylene chloride	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.1	0.047	0.035	2	0	0.0%	0.001	0.001	0.0010	0		
n-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.005	0.1	0.047	0.035	2	2	100.0%	0.0179	0.0219	0.020	0.0028		
n-Propylbenzene	mg/L	2	2	100.0%	5	5	100.0%	0.0797	0.11	0.096	0.011	7	7	100.0%	0.00144	0.19	0.044	0.076		
ortho-Xylene	mg/L	12	12	100.0%	1	1	100.0%	0.23	0.23	0.23	na	2	1	50.0%	0.001	0.00127	0.0011	0.00019		
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.23	0.23	0.23	na	8	2	25.0%	0.005	0.0012	0.00096	0.00020		
sec-Butylbenzene	mg/L	2	1	50.0%	5	2	40.0%	0.001	0.0034	0.0017	0.0011	2	0	0.0%	0.001	0.001	0.0010	0		
Styrene	mg/L	13	4	30.8%	5	2	40.0%	0.001	0.0034	0.0017	0.0011	8	2	25.0%	0.0005	0.0012	0.00096	0.00020		
tert-Butylbenzene	mg/L	2	0	0.0%	5	4	80.0%	0.001	0.0014	0.0012	0.00015	8	2	25.0%	0.002	0.001	0.00064	0.00039		
Tetrachloroethene	mg/L	13	6	46.2%	5	4	80.0%	0.001	0.0014	0.0012	0.00015	8	6	75.0%	0.000794	0.068	0.023	0.031		
Toluene	mg/L	13	11	84.6%	5	5	100.0%	0.045	0.52	0.24	0.18	8	8	100.0%	0.000774	1.1	0.14	0.39		
trans-1,2-Dichloroethene	mg/L	13	12	92.3%	5	4	80.0%	0.0047	0.0189	0.0092	0.0058	8	8	100.0%	0.000774	1.1	0.14	0.39		
trans-1,3-Dichloropropene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.0047	0.0017	0.0017	8	2	25.0%	0.0005	0.0012	0.00096	0.00020		
Trichloroethene	mg/L	13	3	23.1%	5	1	20.0%	0.002	0.116	0.025	0.051	8	2	25.0%	0.0005	0.11	0.015	0.038		
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.002	0.0012	0.00035		
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	6	2	33.3%	0.001	0.005	0.0030	0.0022		
Vinyl chloride	mg/L	13	10	76.9%	5	5	100.0%	0.087	10.6	3.90	4.26	8	5	62.5%	0.001	6	0.79	2.11		
Xylene isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	0.279	0.53	0.37	0.096	8	8	100.0%	0.0392	0.79	0.24	0.28		

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-105-I

Chemical	Units	Pre and Micropourge				Pre-Micropourge				Micropourge					
		No. of results	No. of Detection	No. of results	No. of Detection	Min	Max	Average	Std. Dev.	No. of results	No. of Detection	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	17	100.0%	6	100.0%	416	630	531	77.0	11	100.0%	491	19700	2310	5770
Dissolved oxygen, wt/vol	mg/L	17	100.0%	6	100.0%	0	3.93	1.71	1.36	11	100.0%	0	29.4	4.24	8.42
Flow	mL/min	16	100.0%	5	100.0%	585	1060	765	179	11	100.0%	150	400	266	63.3
Frequency	Hz	11	100.0%							11	100.0%	65	84	73.0	5.10
Oxidation Reduction Potential	mV	17	100.0%	6	100.0%	-344	88	-91.5	145	11	100.0%	-87	110	-4.14	51.9
pH	pH	17	100.0%	6	100.0%	5.28	7.8	6.72	1.02	11	100.0%	6.21	7.79	6.89	0.38
Temperature	degF	17	100.0%	6	100.0%	58.3	60.3	59.2	0.78	11	100.0%	50.3	64.7	58.1	3.64
Turbidity	NTU	17	100.0%	6	100.0%	1.14	4.57	2.31	1.33	11	100.0%	2.32	109	15.1	31.5
Volume Removed	L	16	100.0%	5	100.0%	11.2	19.9	14.5	3.31	11	100.0%	1.49	9.8	5.38	2.22
<b>Conventional Water Quality Parameters</b>															
Carbon dioxide	mg/L	4	100.0%							4	100.0%	10.6	23.9	17.9	6.55
Methane	mg/L	3	100.0%							3	100.0%	3.59	30	16.6	13.2
Nitrate	mg/L	3	0.0%							3	0.0%	0.1	0.1	0.10	0
Nitrite	mg/L	3	0.0%							3	0.0%	0.1	0.1	0.10	0
Sulfate	mg/L	3	33.3%							3	33.3%	0.2	1.18	0.53	0.57
Total alkalinity	mg/L	4	50.0%							4	50.0%	5	20	12.6	8.58
Total chloride	mg/L	3	100.0%							3	100.0%	223	245	236	11.4
Total organic carbon	mg/L	3	100.0%							3	100.0%	39.1	52.3	46.5	6.74
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	100.0%							4	100.0%	0.123	0.342	0.26	0.096
Gasoline Range Organics	mg/L	4	100.0%							4	100.0%	31.9	125	58.5	44.5
Lube oil	mg/L	4	50.0%							4	50.0%	0.257	0.5	0.44	0.12
Ethane	mg/L	3	0.0%							3	0.0%	0.01	0.2	0.10	0.095
Ethene	mg/L	3	66.7%							3	66.7%	0.0195	0.1	0.056	0.041
<b>Metals</b>															
Ferric Iron	mg/L	2	100.0%							2	100.0%	1.98	2.02	2.00	0.028
Ferrous Iron	mg/L	4	100.0%							4	100.0%	0.313	0.711	0.51	0.16
Arsenic	mg/L	7	57.1%	2	0.0%	0.01	0.01	0.010	0	5	80.0%	0.000937	0.01	0.0046	0.0049
Barium	mg/L	6	0.0%	2	0.0%	0.2	0.2	0.20	0	4	0.0%	0.01	0.2	0.11	0.11
Cadmium	mg/L	6	0.0%	2	0.0%	0.005	0.005	0.0050	0	4	0.0%	0.001	0.01	0.0053	0.0037
Chromium	mg/L	6	16.7%	2	0.0%	0.01	0.01	0.010	0	4	25.0%	0.0078	0.01	0.0095	0.0011
Copper	mg/L	6	16.7%	2	0.0%	0.025	0.025	0.025	0	4	25.0%	0.01	0.025	0.019	0.0076
Cyanide	mg/L	4	25.0%							4	25.0%	0.01	0.01	0.010	0
Iron	mg/L	2	100.0%							2	100.0%	2.2	2.29	2.25	0.064
Lead	mg/L	7	28.6%	2	0.0%	0.003	0.003	0.0030	0	5	40.0%	0.000904	0.01	0.0036	0.0037
Manganese	mg/L	3	100.0%							3	100.0%	0.051	0.061	0.056	0.0051
Mercury	mg/L	2	0.0%	2	0.0%	0.0002	0.0002	0.00020	0	4	50.0%	0.0019	0.04	0.026	0.018
Nickel	mg/L	6	33.3%	2	0.0%	0.04	0.04	0.040	0	4	25.0%	0.001	0.01	0.0053	0.0037
Selenium	mg/L	6	16.7%	2	0.0%	0.005	0.005	0.0050	0	4	0.0%	0.001	0.01	0.0078	0.0045
Silver	mg/L	6	0.0%	2	0.0%	0.01	0.01	0.010	0	4	100.0%	0.0128	0.0128	0.013	na
Vanadium	mg/L	1	100.0%							1	100.0%	0.01	0.1	0.038	0.042
Zinc	mg/L	6	0.0%	2	0.0%	0.02	0.02	0.020	0	4	0.0%	0.0005	0.0002	0.0011	0.00063
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1221	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1232	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1242	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1248	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1254	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
Aroclor® 1260	mg/L	6	0.0%	2	0.0%	0.0001	0.0001	0.00010	0	4	0.0%	0.00005	0.0002	0.00011	0.000063
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	7	57.1%	2	0.0%	0.001	0.001	0.0010	0	5	4	80.0%	0.0011	0.01	0.0039
1,2-Dichlorobenzene	mg/L	12	25.0%	4	1	0.001	0.01	0.0038	0.0043	8	2	25.0%	0.001	0.025	0.0040

Detection frequency of chemicals by sampling technique at Well CG-105-I

Chemical	Pre and Micropurge					Micropurge						
	Units	No. of results	No. of detects	Detection frequency	No. of detects	Std. Dev.	No. of results	No. of detects	Detection frequency	Max	Average	Std. Dev.
1,3-Dichlorobenzene	mg/L	12	2	16.7%	0	0.001	8	2	25.0%	0.001	0.0040	0.0085
1,4-Dichlorobenzene	mg/L	12	2	16.7%	0	0.001	8	2	25.0%	0.001	0.0040	0.0085
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	2	0.001	6	1	16.7%	0.001	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	2	0.001	6	1	16.7%	0.001	0.0062	0.0044
2,4-Dichlorophenol	mg/L	8	2	25.0%	2	0.001	6	1	16.7%	0.001	0.0062	0.0044
2,4-Dimethylphenol	mg/L	12	4	33.3%	3	0.001	7	1	14.3%	0.001	0.0061	0.0048
2,4-Dinitrophenol	mg/L	8	2	25.0%	2	0.005	6	1	16.7%	0.005	0.016	0.0086
2,4-Dinitrotoluene	mg/L	7	0	0.0%	0	0.001	5	0	0.0%	0.001	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	7	0	0.0%	0	0.001	5	0	0.0%	0.001	0.0064	0.0049
2-Chloronaphthalene	mg/L	7	0	0.0%	0	0.001	5	0	0.0%	0.001	0.0064	0.0049
2-Chlorophenol	mg/L	9	2	22.2%	2	0.001	7	1	14.3%	0.001	0.0067	0.0043
2-Methyl-4,6-dinitrophenol	mg/L	8	2	25.0%	2	0.005	6	1	16.7%	0.005	0.0083	0.0026
2-Methyl-4-nitrophenol	mg/L	7	0	0.0%	0	0.001	5	0	0.0%	0.001	0.0064	0.0049
2-Methylphenol	mg/L	13	4	30.8%	3	0.001	8	1	12.5%	0.001	0.0066	0.0047
2-Nitroaniline	mg/L	7	0	0.0%	2	0.002	5	0	0.0%	0.002	0.0088	0.0044
2-Nitrophenol	mg/L	9	2	22.2%	2	0.001	7	1	14.3%	0.001	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	0	0.001	6	0	0.0%	0.001	0.0070	0.0046
3-Nitroaniline	mg/L	7	0	0.0%	2	0.005	5	0	0.0%	0.005	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	0	0.001	6	0	0.0%	0.001	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	9	2	22.2%	2	0.002	7	1	14.3%	0.002	0.0070	0.0039
4-Chloroaniline	mg/L	7	0	0.0%	2	0.002	5	0	0.0%	0.002	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	0	0.001	6	0	0.0%	0.001	0.0070	0.0046
4-Methylphenol	mg/L	11	4	36.4%	3	0.001	6	1	16.7%	0.001	0.0055	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0.005	5	0	0.0%	0.005	0.0080	0.0027
4-Nitrophenol	mg/L	9	2	22.2%	2	0.001	7	1	14.3%	0.001	0.0070	0.0039
Acenaphthene	mg/L	9	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0046	0.0051
Acenaphthylene	mg/L	9	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0046	0.0051
Aniline	mg/L	7	0	0.0%	2	0.005	5	0	0.0%	0.005	0.0080	0.0027
Anthracene	mg/L	9	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0046	0.0051
Azobenzene	mg/L	4	0	0.0%	2	0.002	2	0	0.0%	0.002	0.010	0.0062
Benz[a]anthracene	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0040	0.0047
Benzo[e]pyrene	mg/L	5	0	0.0%	2	0.001	3	0	0.0%	0.001	0.0040	0.0052
Benzo[k]fluoranthene	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0037	0.0049
Benzo[ghi]perylene	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0037	0.0049
Benzo[k]fluoranthene	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0037	0.0049
Benzoic acid	mg/L	7	3	42.9%	2	0.001	5	2	40.0%	0.001	0.010	0.0062
Benzyl alcohol	mg/L	8	0	0.0%	2	0.002	6	0	0.0%	0.002	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	2	0.001	5	0	0.0%	0.001	0.0054	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	2	0.002	5	0	0.0%	0.002	0.031	0.026
Butylbenzyl phthalate	mg/L	3	0	0.0%	2	0.001	3	0	0.0%	0.001	0.0064	0.0049
Carbazole	mg/L	7	0	0.0%	2	0.001	5	0	0.0%	0.001	0.010	1.3E-10
Chrysene	mg/L	9	0	0.0%	2	0.001	7	0	0.0%	0.001	0.0046	0.0051
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	2	0.001	6	0	0.0%	0.001	0.0037	0.0049
Dibenzofuran	mg/L	7	0	0.0%	2	0.005	5	0	0.0%	0.005	0.0080	0.0027
Diethyl phthalate	mg/L	7	0	0.0%	2	0.001	5	0	0.0%	0.001	0.0064	0.0049
Dimethyl phthalate	mg/L	7	0	0.0%	2	0.001	5	0	0.0%	0.001	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	1	14.3%	2	0.001	5	1	20.0%	0.001	0.0048	0.0048
Di-n-octyl phthalate	mg/L	7	1	14.3%	2	0.001	5	1	20.0%	0.001	0.0065	0.0048
Fluoranthene	mg/L	9	0	0.0%	2	0.001	7	0	0.0%	0.001	0.0046	0.0051
Fluorene	mg/L	9	0	0.0%	2	0.001	7	0	0.0%	0.001	0.0046	0.0051
Hexachlorobenzene	mg/L	7	0	0.0%	2	0.001	5	0	0.0%	0.001	0.0064	0.0049
Hexachlorobutadiene	mg/L	7	1	14.3%	2	0.001	5	1	20.0%	0.001	0.0028	0.0040

Detection frequency of chemicals by sampling technique at Well CG-105-I

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0037	0.0049
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%						1	0	0.0%	0.005	0.005	0.0050	na
Naphthalene	mg/L	13	7	53.8%	4	1	25.0%	0.016	0.023	9	6	66.7%	0.000113	0.05	0.0080	0.016
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	2	0	0.0%	0.0010	0	5	1	20.0%	0.001	0.0106	0.0083	0.0041
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Pentachlorophenol	mg/L	9	2	22.2%	2	1	50.0%	0.0050	0	7	1	14.3%	0.005	0.01	0.0086	0.0024
Phenanthrene	mg/L	9	0	0.0%	2	0	0.0%	0.0010	0	7	0	0.0%	0.001	0.01	0.0046	0.0051
Phenol	mg/L	13	7	53.8%	5	3	60.0%	0.0010	1.3E-11	8	4	50.0%	0.001	0.01	0.0033	0.0030
Pyrene	mg/L	9	0	0.0%	2	0	0.0%	0.0010	0	7	0	0.0%	0.0001	0.01	0.0046	0.0051
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%				0.0063	0.0025	5	1	20.0%	0.001	0.025	0.0058	0.011
1,1,1-Trichloroethane	mg/L	12	3	25.0%	4	1	25.0%	0.0063	0.0025	8	2	25.0%	0.001	0.025	0.0073	0.010
1,1,2,2-Tetrachloroethane	mg/L	11	1	9.1%	4	0	0.0%	0.016	0.011	7	1	14.3%	0.0005	0.015	0.0041	0.0054
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	0	0.0%						3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	3	25.0%	4	0	0.0%	0.0053	0.0037	8	3	37.5%	0.0002	0.05	0.0075	0.017
1,1-Dichloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.27	0.057	8	8	100.0%	0.01	0.4	0.22	0.12
1,1-Dichloroethene	mg/L	12	12	100.0%	4	4	100.0%	0.18	0.026	8	8	100.0%	0.102	0.29	0.18	0.060
1,1-Dichloropropene	mg/L	4	1	25.0%						4	1	25.0%	0.001	0.001	0.0010	0
1,2-Dichloropropene	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	1	33.3%						3	1	33.3%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	1	33.3%						3	1	33.3%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	1	33.3%						3	1	33.3%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%						3	1	33.3%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	12	4	33.3%	4	1	25.0%	0.011	0.0085	8	3	37.5%	0.0002	0.025	0.0047	0.0085
1,2-Dichloropropane	mg/L	12	4	33.3%	4	0	0.0%	0.0063	0.0037	8	2	25.0%	0.0002	0.025	0.0038	0.0086
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%						2	2	100.0%	0.00209	0.0126	0.0073	0.0074
1,3-Dichloropropane	mg/L	4	1	25.0%						4	1	25.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	1	25.0%						4	1	25.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	12	2	16.7%	4	0	0.0%	0.026	0.018	8	2	25.0%	0.005	0.5	0.073	0.17
2-Chlorotoluene	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	12	1	8.3%	4	0	0.0%	0.026	0.018	8	2	25.0%	0.005	0.5	0.073	0.17
4-Chlorotoluene	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	12	4	33.3%	4	1	25.0%	0.045	0.026	8	3	37.5%	0.001	0.025	0.043	0.084
Acetone	mg/L	12	1	8.3%	4	0	0.0%	0.028	0.018	8	1	12.5%	0.01	0.5	0.077	0.17
Benzene	mg/L	12	12	100.0%	4	4	100.0%	0.041	0.0078	8	8	100.0%	0.0249	0.19	0.062	0.056
Bromobenzene	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	1	50.0%						2	1	50.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.0002	0.025	0.0038	0.0086
Bromoforn	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.001	0.025	0.0047	0.0083
Bromomethane	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.001	0.25	0.033	0.088
Carbon disulfide	mg/L	12	4	33.3%	4	0	0.0%	0.0053	0.0037	8	4	50.0%	0.001	0.5	0.069	0.17
Carbon tetrachloride	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.0002	0.025	0.0038	0.0086
Chlorobenzene	mg/L	12	12	100.0%	4	4	100.0%	0.021	0.0040	8	8	100.0%	0.001	0.05	0.086	0.017
Chloroethane	mg/L	12	4	33.3%	4	1	25.0%	0.0070	0.0024	8	3	37.5%	0.001	0.05	0.086	0.017
Chloroform	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.001	0.25	0.035	0.087
Chloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.001	0.25	0.035	0.087
cis-1,2-Dichloroethene	mg/L	12	12	100.0%	4	4	100.0%	40.4	27.5	8	8	100.0%	0.21	58.3	35.8	21.6
cis-1,3-Dichloropropene	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.0002	0.05	0.0070	0.0083
Dibromochloromethane	mg/L	12	2	16.7%	4	0	0.0%	0.0053	0.0037	8	2	25.0%	0.001	0.25	0.035	0.087
Dibromomethane	mg/L	3	1	33.3%				0.0053	0.0037	3	1	33.3%	0.001	0.025	0.0090	0.014

Detection frequency of chemicals by sampling technique at Well CG-105-I

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Dichlorodifluoromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.01	0.0053	0.0037	8	2	25.0%	0.001	0.25	0.033	0.088
Ethylbenzene	mg/L	12	12	100.0%	4	4	100.0%	0.037	0.26	0.10	0.11	8	8	100.0%	0.035	0.42	0.11	0.14
Isopropylbenzene	mg/L	2	2	100.0%	3	3	100.0%	0.085	0.79	0.33	0.40	2	2	100.0%	0.000884	0.00137	0.0011	0.00034
meta & para Xylenes	mg/L	10	10	100.0%	1	0	0.0%	0.005	0.005	0.0050	na	7	7	100.0%	0.0659	1	0.24	0.34
meta-Xylene	mg/L	1	0	0.0%	4	2	50.0%	0.026	0.05	0.039	0.011	8	2	25.0%	0.005	0.25	0.043	0.064
Methylene chloride	mg/L	12	4	33.3%	1	0	0.0%	0.026	0.05	0.039	0.011	2	1	50.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	1	50.0%	4	2	50.0%	0.026	0.05	0.039	0.011	2	2	100.0%	0.00176	0.00182	0.0018	0.00042
n-Propylbenzene	mg/L	2	2	100.0%	4	4	100.0%	0.028	0.19	0.074	0.077	7	7	100.0%	0.0295	0.28	0.092	0.097
ortho-Xylene	mg/L	11	11	100.0%	4	4	100.0%	0.028	0.19	0.074	0.077	7	7	100.0%	0.0295	0.28	0.092	0.097
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.13	0.13	0.13	na	2	1	50.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	1	50.0%	4	0	0.0%	0.001	0.01	0.0053	0.0037	2	1	50.0%	0.001	0.001	0.0010	0
Styrene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.01	0.0053	0.0037	8	2	25.0%	0.001	0.025	0.0047	0.0083
tert-Butylbenzene	mg/L	2	1	50.0%	4	0	0.0%	0.001	0.01	0.0053	0.0037	2	1	50.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	12	12	100.0%	4	4	100.0%	0.051	0.108	0.073	0.025	8	8	100.0%	0.0397	0.78	0.16	0.25
Toluene	mg/L	12	12	100.0%	4	4	100.0%	0.64	4.26	1.90	1.70	8	8	100.0%	0.454	3.7	1.02	1.11
trans-1,2-Dichloroethene	mg/L	12	12	100.0%	4	4	100.0%	2.6	5	4.00	1.04	8	8	100.0%	4.26	6.79	5.45	0.87
trans-1,3-Dichloropropene	mg/L	2	2	100.0%	4	0	0.0%	0.001	0.01	0.0053	0.0037	8	2	25.0%	0.001	0.025	0.0047	0.0083
Trichloroethene	mg/L	12	12	100.0%	4	4	100.0%	9.3	153	103	64.2	8	8	100.0%	6.9	160	89.4	48.2
Trichlorofluoromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.01	0.0053	0.0037	8	2	25.0%	0.001	0.1	0.014	0.035
Vinyl acetate	mg/L	10	1	10.0%	4	0	0.0%	0.001	0.01	0.0053	0.0037	8	2	25.0%	0.001	0.1	0.014	0.035
Vinyl chloride	mg/L	12	12	100.0%	4	4	100.0%	0.001	0.01	0.0053	0.0037	6	1	16.7%	0.001	0.25	0.045	0.10
Xylene isomers (total)	mg/L	12	12	100.0%	4	4	100.0%	0.447	1.35	0.83	0.39	8	8	100.0%	0.288	0.863	0.63	0.23
	mg/L	12	12	100.0%	4	4	100.0%	0.113	0.98	0.36	0.42	8	8	100.0%	0.0745	1.28	0.30	0.40

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-105-S1

Chemical	Pre and Microplurge					Pre-Microplurge					Microplurge							
	Units	No. of results	No. of Detection	No. of results	No. of Detection	Min	Average	Std. Dev.	No. of results	No. of Detection	Min	Average	Std. Dev.	No. of results	No. of Detection	Min	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	16	100.0%	6	6	428	660	218	10	100.0%	390	2270	5670	10	100.0%	18400	2270	5670
Dissolved oxygen, w/vol	mg/L	16	100.0%	6	6	0.567	4.69	4.06	10	100.0%	0.78	11.2	27.3	10	100.0%	88.5	11.2	27.3
Flow	mL/min	15	100.0%	5	5	400	830	181	10	100.0%	156	400	74.2	10	100.0%	400	270	74.2
Frequency	Hz	10	100.0%	6	6	-171	-46.8	82.7	10	100.0%	63	72.7	5.11	10	100.0%	78.5	72.7	5.11
Oxidation Reduction Potential	mV	16	100.0%	6	6	5.42	6.15	0.49	10	100.0%	5.71	6.1	5.95	10	100.0%	6.1	5.95	0.12
pH	degF	16	100.0%	6	6	61.1	63.4	1.86	10	100.0%	51.9	62.3	4.81	10	100.0%	69	62.3	4.81
Temperature	degF	16	100.0%	6	6	2.01	4.80	5.17	10	100.0%	5.5	17.2	10.3	10	100.0%	17.2	10.3	3.67
Turbidity	NTU	16	100.0%	6	6	3.6	4.94	1.07	10	100.0%	3	6.7	4.54	10	100.0%	6.7	4.54	1.23
Volume Removed	L	15	100.0%	5	5				10	100.0%				10	100.0%			
<b>Conventional Water Quality Parameters</b>																		
Carbon dioxide	mg/L	4	100.0%	4	4				4	100.0%	154	208	50.6	4	100.0%	273	208	50.6
Methane	mg/L	3	100.0%	3	3				3	100.0%	0.313	1.25	1.23	3	100.0%	2.64	1.25	1.23
Nitrate	mg/L	3	0.0%	0	0				3	0.0%	0.1	0.10	0	3	0.0%	0.1	0.10	0
Nitrite	mg/L	3	33.3%	1	1				3	33.3%	0.1	0.113	0.10	3	33.3%	0.1	0.113	0.0075
Sulfate	mg/L	4	0.0%	0	0				4	0.0%	0.2	0.20	0	4	0.0%	0.2	0.20	0
Sulfides	mg/L	4	50.0%	2	2				4	50.0%	2.4	2.0	9.33	4	50.0%	2.4	2.0	9.33
Total alkalinity	mg/L	3	100.0%	3	3				3	100.0%	77	122	97.7	3	100.0%	77	122	97.7
Total chloride	mg/L	4	100.0%	4	4				4	100.0%	24.5	43.9	32.8	4	100.0%	24.5	43.9	32.8
Total organic carbon	mg/L	2	100.0%	2	2				2	100.0%	151	157	8.48	2	100.0%	151	157	8.48
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	100.0%	4	4				4	100.0%	2.75	24.7	15.1	4	100.0%	2.75	24.7	15.1
Gasoline Range Organics	mg/L	4	100.0%	4	4				4	100.0%	2.5	96.9	41.9	4	100.0%	2.5	96.9	41.9
Lube oil	mg/L	4	75.0%	3	3				4	75.0%	0.283	5.5	2.32	4	75.0%	0.283	5.5	2.32
Ethane	mg/L	3	66.7%	2	2				3	66.7%	0.0161	0.085	0.10	3	66.7%	0.0161	0.085	0.10
Ethene	mg/L	3	100.0%	3	3				3	100.0%	0.132	0.694	0.32	3	100.0%	0.132	0.694	0.32
<b>Metals</b>																		
Ferric Iron	mg/L	2	100.0%	2	2				2	100.0%	21.7	36.4	29.1	2	100.0%	21.7	36.4	29.1
Ferrous Iron	mg/L	4	100.0%	4	4				4	100.0%	40.3	87.4	53.7	4	100.0%	40.3	87.4	53.7
Arsenic	mg/L	5	40.0%	2	0				5	40.0%	0.00784	0.0152	0.0038	5	40.0%	0.00784	0.0152	0.0038
Barium	mg/L	6	16.7%	2	0				6	16.7%	0.00902	0.2	0.10	6	16.7%	0.00902	0.2	0.10
Cadmium	mg/L	6	33.3%	2	0				6	33.3%	0.0050	0.0051	0.0030	6	33.3%	0.0050	0.0051	0.0030
Chromium	mg/L	6	83.3%	2	1				6	83.3%	0.0123	0.0179	0.015	6	83.3%	0.0123	0.0179	0.015
Copper	mg/L	6	33.3%	2	0				6	33.3%	0.025	0.025	0.011	6	33.3%	0.025	0.025	0.011
Cyanide	mg/L	4	75.0%	3	0				4	75.0%	0.01	0.0126	0.011	4	75.0%	0.01	0.0126	0.011
Iron	mg/L	2	100.0%	2	2				2	100.0%	62.1	93.5	77.8	2	100.0%	62.1	93.5	77.8
Lead	mg/L	5	40.0%	2	0				5	40.0%	0.003	0.0048	0.0038	5	40.0%	0.003	0.0048	0.0038
Manganese	mg/L	3	100.0%	3	3				3	100.0%	0.462	0.702	0.60	3	100.0%	0.462	0.702	0.60
Mercury	mg/L	3	0.0%	2	0				3	0.0%	0.001	0.001	na	3	0.0%	0.001	0.001	na
Nickel	mg/L	6	33.3%	2	0				6	33.3%	0.0028	0.04	0.022	6	33.3%	0.0028	0.04	0.022
Selenium	mg/L	6	0.0%	2	0				6	0.0%	0.001	0.005	0.0030	6	0.0%	0.001	0.005	0.0030
Silver	mg/L	6	16.7%	2	0				6	16.7%	0.01	0.01	0.0055	6	16.7%	0.01	0.0055	0.0052
Zinc	mg/L	6	16.7%	2	0				6	16.7%	0.02	0.02	0.016	6	16.7%	0.02	0.016	0.0048
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1221	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1232	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1242	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1248	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1254	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
Aroclor® 1260	mg/L	6	0.0%	2	0				6	0.0%	0.0003	0.0003	0.00012	6	0.0%	0.0003	0.0003	0.00012
<b>Semivolatle Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	7	28.6%	2	0				7	28.6%	0.001	0.001	0.021	7	28.6%	0.001	0.001	0.021
1,2-Dichlorobenzene	mg/L	12	75.0%	4	3				12	75.0%	0.0185	0.25	0.064	12	75.0%	0.0185	0.25	0.064
1,3-Dichlorobenzene	mg/L	12	25.0%	4	0				12	25.0%	0.001	0.25	0.013	12	25.0%	0.001	0.25	0.013

Detection frequency of chemicals by sampling technique at Well CG-105-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
1,4-Dichlorobenzene	mg/L	12	5	41.7%	4	0	0.0%	0.063	0.12	8	5	62.5%	0.001	0.1	0.022	0.037
2,4,5-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2,4,6-Trichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2,4-Dichlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2,4-Dimethylphenol	mg/L	10	8	80.0%	4	3	75.0%	0.58	0.72	6	5	83.3%	0.01	2.57	0.75	0.94
2,4-Dinitrophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0050	0	5	0	0.0%	0.005	0.25	0.10	0.11
2,4-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
2-Chloronaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2-Chlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2-Methyl-4,6-dinitrophenol	mg/L	7	2	28.6%	2	1	50.0%	0.0050	0	5	0	0.0%	0.005	0.1	0.047	0.049
2-Methylnaphthalene	mg/L	10	8	80.0%	4	3	75.0%	0.21	0.26	5	2	40.0%	0.001	0.491	0.26	0.19
2-Methylphenol	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.25	0.097	0.097
2-Nitroaniline	mg/L	7	1	14.3%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
2-Nitrophenol	mg/L	7	1	14.3%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.036	0.040
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.064	0.099
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.25	0.076	0.10
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.064	0.099
4-Chloro-3-methylphenol	mg/L	7	1	14.3%	2	1	50.0%	0.0020	0	5	0	0.0%	0.002	0.1	0.036	0.040
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.25	0.075	0.11
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.064	0.099
4-Methylphenol	mg/L	9	7	77.8%	4	3	75.0%	0.46	0.61	5	4	80.0%	0.01	2.33	0.98	0.97
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.25	0.076	0.10
4-Nitrophenol	mg/L	7	1	14.3%	2	1	50.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.076	0.10
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.062	0.10
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.25	0.076	0.10
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.062	0.10
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.001	0.0010	0
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.0010	0	2	0	0.0%	0.001	0.043	0.025	0.043
Benz[a]anthracene	mg/L	5	0	0.0%	2	0	0.0%	0.0020	0	3	0	0.0%	0.001	0.1	0.025	0.043
Benzidine	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.040	0.052
Benzoflavyrene	mg/L	5	0	0.0%	2	0	0.0%	0.0010	0	3	0	0.0%	0.001	0.1	0.024	0.043
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.024	0.043
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.024	0.043
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.024	0.043
Benzoic acid	mg/L	5	3	60.0%	2	1	50.0%	0.0050	0	3	2	66.7%	0.005	6.42	2.56	3.40
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.0020	0	6	0	0.0%	0.002	0.25	0.064	0.098
bis(2-chloroethoxy)methane	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.064	0.099
bis(2-chloroethyl)ether	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.064	0.099
Bis(2-chloroisopropyl)ether	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
bis(2-Ethylhexyl)phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0020	0	5	0	0.0%	0.002	1.25	0.37	0.53
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.0010	0	3	0	0.0%	0.001	0.25	0.12	0.12
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.062	0.10
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.1	0.024	0.043
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.0050	0	5	0	0.0%	0.005	0.25	0.076	0.10
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
Di-n-butyl phthalate	mg/L	7	1	14.3%	2	0	0.0%	0.0010	0	5	1	20.0%	0.001	0.25	0.074	0.11
Di-n-octyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.062	0.10
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.25	0.062	0.10
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11
Hexachlorobutadiene	mg/L	7	2	28.6%	2	0	0.0%	0.0010	0	5	2	40.0%	0.001	0.1	0.021	0.044
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.25	0.074	0.11

Detection frequency of chemicals by sampling technique at Well CG-105-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.25	0.074	0.11
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.1	0.024	0.043
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.25	0.074	0.11
Methylphenol	mg/L	1	1	100.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.843	0.84	na
Naphthalene	mg/L	12	10	83.3%	4	3	75.0%	0.0426	0.36	8	7	87.5%	0.001	0.28	0.11	0.099
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.25	0.074	0.11
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.0010	5	0	0.0%	0.001	0.25	0.074	0.11
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.25	0.064	0.099
Pentachlorophenol	mg/L	7	1	14.3%	2	1	50.0%	0.005	0.0050	5	0	0.0%	0.005	0.1	0.047	0.049
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.25	0.062	0.10
Phenol	mg/L	10	9	90.0%	4	3	75.0%	0.001	0.22	6	6	100.0%	0.004	3.19	1.04	1.18
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.0010	6	0	0.0%	0.001	0.25	0.062	0.10
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	2	40.0%	4	4	100.0%	0.19	0.38	5	2	40.0%	0.001	0.1	0.021	0.044
1,1,1-Trichloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.002	0.20	8	8	100.0%	0.057	0.72	0.38	0.25
1,1,2,2-Tetrachloroethane	mg/L	11	2	18.2%	4	0	0.0%	0.002	0.75	7	2	28.6%	0.001	0.15	0.037	0.062
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	2	66.7%	4	0	0.0%	0.002	0.20	3	2	66.7%	0.002	0.466	0.22	0.23
1,1,2-Trichloroethane	mg/L	12	7	58.3%	4	3	75.0%	0.0049	0.068	8	4	50.0%	0.002	0.2	0.028	0.070
1,1-Dichloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.5	2.4	8	8	100.0%	0.278	4.9	1.24	1.51
1,1-Dichloroethane	mg/L	12	9	75.0%	4	3	75.0%	0.035	0.11	8	6	75.0%	0.002	0.391	0.081	0.13
1,1-Dichloropropene	mg/L	4	2	50.0%	4	3	75.0%	0.035	0.11	4	2	50.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	2	2	100.0%	4	4	100.0%	0.001	0.0010	2	2	100.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	2	66.7%	4	4	100.0%	0.001	0.0010	2	2	100.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	3	100.0%	4	4	100.0%	0.001	0.0010	3	3	100.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	4	4	100.0%	0.001	0.0010	3	3	100.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	2	66.7%	4	4	100.0%	0.001	0.0010	3	2	66.7%	0.001	0.005	0.0037	0.0023
1,2-Dibromo-3-chloropropane	mg/L	3	2	66.7%	4	4	100.0%	0.001	0.0010	3	2	66.7%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	12	11	91.7%	4	3	75.0%	0.18	0.36	8	8	100.0%	0.0503	0.73	0.33	0.24
1,2-Dichloropropane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	2	2	100.0%	0.002	0.1	0.014	0.035
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	4	4	100.0%	0.001	0.0010	2	2	100.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	2	50.0%	4	4	100.0%	0.001	0.0010	4	2	50.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	2	50.0%	4	4	100.0%	0.001	0.0010	4	2	50.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	12	5	41.7%	4	0	0.0%	0.005	0.33	8	5	62.5%	0.005	2	0.40	0.66
2-Chlorotoluene	mg/L	2	2	100.0%	4	4	100.0%	0.005	0.33	2	2	100.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	12	5	41.7%	4	0	0.0%	0.005	0.33	8	5	62.5%	0.001	0.001	0.0010	0
4-Chlorotoluene	mg/L	2	2	100.0%	4	4	100.0%	0.005	0.33	2	2	100.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	2	100.0%	4	4	100.0%	0.005	0.33	2	2	100.0%	0.001	0.001	0.0010	0
Benzene	mg/L	12	11	91.7%	4	3	75.0%	0.27	0.73	8	8	100.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	12	6	50.0%	4	2	50.0%	0.025	0.47	8	4	50.0%	0.01	2	0.35	0.69
Acetone	mg/L	12	9	75.0%	4	3	75.0%	0.019	0.089	8	6	75.0%	0.001	0.001	0.0010	0
Bromobenzene	mg/L	2	2	100.0%	4	4	100.0%	0.001	0.0010	2	2	100.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.002	0.1	0.014	0.035
Bromodichloromethane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.001	0.1	0.020	0.037
Bromoform	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.001	0.1	0.13	0.35
Bromomethane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.001	0.1	0.13	0.35
Carbon disulfide	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.001	0.1	0.13	0.35
Carbon tetrachloride	mg/L	12	4	33.3%	4	0	0.0%	0.001	0.065	8	4	50.0%	0.002	0.1	0.019	0.035
Chlorobenzene	mg/L	12	6	50.0%	4	3	75.0%	0.0059	0.25	8	3	37.5%	0.001	0.1	0.025	0.036
Chloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.12	0.48	8	8	100.0%	0.158	1.2	0.56	0.36
Chloroform	mg/L	12	7	58.3%	4	3	75.0%	0.015	0.082	8	4	50.0%	0.001	0.12	0.036	0.049
Chloromethane	mg/L	12	5	41.7%	4	1	25.0%	0.001	0.065	8	4	50.0%	0.001	0.1	0.13	0.35
cis-1,2-Dichloroethane	mg/L	12	12	100.0%	4	4	100.0%	0.97	7.27	8	8	100.0%	1.56	17	6.96	4.80
cis-1,3-Dichloropropene	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.001	0.1	0.020	0.037
Dibromochloromethane	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.065	8	3	37.5%	0.002	0.2	0.027	0.070
Dibromomethane	mg/L	3	2	66.7%	4	0	0.0%	0.001	0.065	3	2	66.7%	0.001	0.1	0.034	0.057
Dichlorodifluoromethane	mg/L	12	7	58.3%	4	2	50.0%	0.001	0.10	8	5	62.5%	0.001	1	0.20	0.36

Detection frequency of chemicals by sampling technique at Well CG-105-S1

Chemical	Pre and Micropurge										Micropurge									
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.		
Ethylbenzene	mg/L	12	12	100.0%	4	4	100.0%	0.59	5.6	3.65	2.29	8	8	100.0%	1.5	7	3.79	1.82		
Isopropylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.0486	0.0781	0.063	0.021		
meta & para Xylenes	mg/L	10	10	100.0%	3	3	100.0%	1.1	15	7.95	6.95	7	7	100.0%	4.78	20	11.1	6.11		
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na									
Methylene chloride	mg/L	12	7	58.3%	4	2	50.0%	0.072	1.25	0.41	0.56	8	5	62.5%	0.0199	1	0.27	0.37		
n-Butylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.001	0.0387	0.020	0.027		
n-Propylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.167	0.5	0.33	0.24		
ortho-Xylene	mg/L	11	11	100.0%	4	4	100.0%	0.54	3	1.94	1.05	7	7	100.0%	1.04	4.2	2.49	1.04		
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	16.5	16.5	16.5	na									
sec-Butylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.001	0.0166	0.0083	0.010		
Styrene	mg/L	12	4	33.3%	4	1	25.0%	0.001	1	0.25	0.50	8	3	37.5%	0.001	0.1	0.020	0.037		
tert-Butylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.001	0.001	0.0010	0		
Tetrachloroethene	mg/L	12	9	75.0%	4	3	75.0%	0.0052	0.25	0.073	0.12	8	6	75.0%	0.0045	0.25	0.056	0.086		
Toluene	mg/L	12	12	100.0%	4	4	100.0%	1.5	43.3	27.9	18.4	8	8	100.0%	12	120	35.4	35.2		
trans-1,2-Dichloroethene	mg/L	12	9	75.0%	4	3	75.0%	0.0045	0.25	0.11	0.13	8	6	75.0%	0.0148	0.1	0.044	0.030		
trans-1,3-Dichloropropene	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.25	0.065	0.12	8	3	37.5%	0.001	0.1	0.020	0.037		
Trichloroethene	mg/L	12	10	83.3%	4	3	75.0%	0.0039	5.57	1.52	2.71	8	7	87.5%	0.001	1.9	0.27	0.66		
Trichlorofluoromethane	mg/L	12	4	33.3%	4	0	0.0%	0.001	0.25	0.065	0.12	8	4	50.0%	0.001	0.4	0.059	0.14		
Vinyl acetate	mg/L	10	1	10.0%	4	0	0.0%	0.001	0.25	0.065	0.12	6	1	16.7%	0.001	1	0.18	0.40		
Vinyl chloride	mg/L	12	12	100.0%	4	4	100.0%	0.2	0.608	0.42	0.18	8	8	100.0%	0.24	4	1.16	1.25		
Xylene isomers (total)	mg/L	12	12	100.0%	4	4	100.0%	1.64	18.9	12.0	8.10	8	8	100.0%	5.82	24.2	13.2	6.62		

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-105-S2

Chemical	Pre and Microbudge				Pre-Microbudge				Microbudge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	332	32.9	9	9	100.0%	296	13000	1740	4220
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	7.51	13.9	9	9	100.0%	0.84	60.6	8.82	19.6
Flow	mL/min	14	14	100.0%	5	5	100.0%	567	284	9	9	100.0%	106	250	199	40.9
Frequency	Hz	9	9	100.0%						9	9	100.0%	72	169	100	31.3
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-65.0	84.2	9	9	100.0%	-88.5	219	44.2	94.0
pH	pH	15	15	100.0%	6	6	100.0%	6.61	0.51	9	9	100.0%	5.76	6.66	6.41	0.26
Temperature	degF	15	15	100.0%	6	6	100.0%	61.8	2.16	9	9	100.0%	55.1	66.4	60.6	4.34
Turbidity	NTU	15	15	100.0%	6	6	100.0%	5.63	8.28	9	9	100.0%	3.21	25.7	9.84	9.20
Volume Removed	L	14	14	100.0%	5	5	100.0%	6.35	2.72	9	9	100.0%	1.95	9	4.34	2.31
<b>Conventional Water Quality Parameters</b>																
Carbon dioxide	mg/L	4	4	100.0%						4	4	100.0%	22.4	65.5	50.8	19.7
Methane	mg/L	3	3	100.0%						3	3	100.0%	0.469	7.23	4.20	3.43
Nitrate	mg/L	3	0	0.0%						3	0	0.0%	0.1	0.1	0.10	0
Nitrite	mg/L	3	0	0.0%						3	0	0.0%	0.1	0.1	0.10	0
Sulfate	mg/L	4	1	25.0%						4	1	25.0%	0.163	0.2	0.19	0.019
Sulfides	mg/L	4	2	50.0%						4	2	50.0%	4.4	20	12.4	8.84
Total alkalinity	mg/L	3	3	100.0%						3	3	100.0%	113	320	190	113
Total chloride	mg/L	4	4	100.0%						4	4	100.0%	4.61	11	8.45	3.01
Total organic carbon	mg/L	2	2	100.0%						2	2	100.0%	7.29	10.3	8.80	2.13
<b>Hydrocarbons</b>																
Diesel Range Hydrocarbons	mg/L	4	4	100.0%						4	4	100.0%	0.25	1.1	0.71	0.39
Gasoline Range Organics	mg/L	4	4	100.0%						4	4	100.0%	0.185	0.414	0.25	0.11
Lube oil	mg/L	4	3	75.0%						4	3	75.0%	0.119	0.5	0.36	0.18
Ethane	mg/L	3	3	100.0%						3	3	100.0%	0.0103	0.0829	0.056	0.039
Ethene	mg/L	3	1	33.3%						3	1	33.3%	0.0034	0.2	0.071	0.11
<b>Metals</b>																
Ferric Iron	mg/L	2	2	100.0%						2	2	100.0%	12.7	17.1	14.9	3.11
Ferrous Iron	mg/L	4	3	75.0%						4	3	75.0%	0.5	12.6	6.83	4.95
Arsenic	mg/L	6	2	33.3%						4	2	50.0%	0.00011	0.01	0.0028	0.0048
Barium	mg/L	5	0	0.0%						3	0	0.0%	0.01	0.2	0.14	0.11
Cadmium	mg/L	5	0	0.0%						3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	5	1	20.0%						3	1	33.3%	0.00596	0.01	0.0087	0.0023
Copper	mg/L	5	1	20.0%						3	1	33.3%	0.00178	0.025	0.017	0.013
Cyanide	mg/L	4	4	100.0%						4	4	100.0%	0.01	0.021	0.018	0.0052
Iron	mg/L	2	2	100.0%						2	2	100.0%	17.1	19.7	18.4	1.84
Lead	mg/L	6	4	66.7%						4	3	75.0%	0.00246	0.0049	0.0035	0.0011
Manganese	mg/L	4	4	100.0%						4	4	100.0%	0.306	0.41	0.35	0.044
Mercury	mg/L	2	0	0.0%						3	1	33.3%	0.0028	0.04	0.028	0.021
Nickel	mg/L	5	1	20.0%						3	0	0.0%	0.001	0.005	0.0037	0.0023
Selenium	mg/L	5	0	0.0%						3	0	0.0%	0.01	0.01	0.0070	0.0052
Silver	mg/L	5	0	0.0%						3	0	0.0%	0.01	0.02	0.017	0.0058
Zinc	mg/L	5	0	0.0%						3	0	0.0%	0.01	0.02	0.017	0.0058
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1221	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1232	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1242	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1248	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1254	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
Aroclor® 1260	mg/L	6	0	0.0%						4	0	0.0%	0.0001	0.0003	0.00013	0.000050
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%						6	0	0.0%	0.001	0.01	0.0040	0.0046
1,2-Dichlorobenzene	mg/L	12	10	83.3%						8	8	100.0%	0.00113	0.014	0.0053	0.0044
1,3-Dichlorobenzene	mg/L	12	1	8.3%						8	1	12.5%	0.0005	0.001	0.00094	0.00018

Detection frequency of chemicals by sampling technique at Well CG-105-S2

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	frequency	No. of results	No. of detects	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	frequency	Min	Max	Average	Std. Dev.
1,4-Dichlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.005	0.0020	0.0020	8	1	12.5%	0.0005	0.001	0.00094	0.00018
2,4,5-Trichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0062	0.0044
2,4,6-Trichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0062	0.0044
2,4-Dichlorophenol	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0062	0.0044
2,4-Dimethylphenol	mg/L	12	5	41.7%	5	4	80.0%	0.001	0.011	0.0035	0.0043	7	1	14.3%	0.001	0.01	0.0061	0.0048
2,4-Dinitrophenol	mg/L	8	1	12.5%	2	1	50.0%	0.005	0.005	0.0050	0	6	0	0.0%	0.005	0.025	0.016	0.0086
2,4-Dinitrotoluene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
2,6-Dinitrotoluene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	9	1	11.1%	2	1	50.0%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0067	0.0043
2-Methyl-4,6-dinitrophenol	mg/L	8	1	12.5%	2	1	50.0%	0.005	0.005	0.0050	0	6	0	0.0%	0.005	0.01	0.0083	0.0025
2-Methylnaphthalene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
2-Methylphenol	mg/L	13	4	30.8%	5	3	60.0%	0.001	0.011	0.0010	0.000045	8	1	12.5%	0.001	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	9	1	11.1%	2	1	50.0%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	9	1	11.1%	2	1	50.0%	0.002	0.002	0.0020	0	7	0	0.0%	0.002	0.01	0.0070	0.0039
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	1.3E-11	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	11	4	36.4%	5	3	60.0%	0.001	0.001	0.0010	0	6	1	16.7%	0.001	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	9	1	11.1%	2	1	50.0%	0.001	0.001	0.0010	0	7	0	0.0%	0.001	0.01	0.0096	0.0080
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0080	0.0027
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0054	0.0051
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Azobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.01	0.0010	0
Benz[a]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.001	0.01	0.0048	0.0048
Benzidole	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.0040	0.0052
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzoic acid	mg/L	7	2	28.6%	2	1	50.0%	0.005	0.005	0.0050	0	5	1	20.0%	0.005	0.02	0.010	0.0062
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroisopropyl]ether	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	1	20.0%	0.002	0.05	0.021	0.026
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	1.3E-10	0.0051
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0047	0.0048
Di-n-octyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049

Detection frequency of chemicals by sampling technique at Well CG-105-S2

Chemical	Pre and Microbурge				Pre-Microbурge				Microbурge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0054	0.0049
Indeno(1,2,3-cd)pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	0	0	0.0%	0.0010	0	1	0	0.0%	0.005	0.05	0.0050	na
Naphthalene	mg/L	12	9	75.0%	4	2	50.0%	0.015	0.0082	8	7	87.5%	0.00034	0.0132	0.0048	0.0045
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	2	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Pentachlorophenol	mg/L	9	2	22.2%	2	1	50.0%	0.0050	0	7	1	14.3%	0.00195	0.01	0.0074	0.0034
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenol	mg/L	13	7	53.8%	5	3	60.0%	0.0010	1.3E-11	8	4	50.0%	0.001	0.0113	0.0046	0.0040
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	4	0	0.0%	0.0340	0.0020	5	0	0.0%	0.005	0.001	0.0090	0.0022
1,1,1-Trichloroethane	mg/L	12	2	16.7%	4	0	0.0%	0.012	0.0065	8	2	25.0%	0.005	0.005	0.0018	0.0017
1,1,2,2-Tetrachloroethane	mg/L	11	1	9.1%	4	0	0.0%	0.002	0.0065	7	1	14.3%	0.005	0.015	0.0035	0.0052
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	0	0.0%	0	0	0.0%	0.002	0.0065	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.002	0.001	0.0080	0.0037
1,1-Dichloroethane	mg/L	12	4	33.3%	4	1	25.0%	0.027	0.046	8	3	37.5%	0.00089	0.016	0.0036	0.0052
1,1-Dichloroethene	mg/L	12	4	33.3%	4	1	25.0%	0.016	0.025	8	1	12.5%	0.002	0.001	0.0074	0.0037
1,1-Dichloropropene	mg/L	4	0	0.0%	0	0	0.0%	0.001	0.001	4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0.001	3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	3	3	100.0%	0.017	0.0304	3	3	100.0%	0.017	0.0304	0.018	0.010
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0.001	3	0	0.0%	0.001	0.001	0.0037	0.0023
1,2-Dibromethane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0.001	3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.002	0.001	0.0074	0.0037
1,2-Dichloropropane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.002	0.001	0.0074	0.0037
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	2	2	100.0%	0.0012	0.0020	2	2	100.0%	0.0012	0.00315	0.0022	0.0014
1,3-Dichloropropane	mg/L	4	0	0.0%	0	0	0.0%	0.001	0.001	4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%	0	0	0.0%	0.001	0.001	4	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	12	1	8.3%	4	0	0.0%	0.020	0.010	8	1	12.5%	0.005	0.025	0.011	0.0062
2-Hexanone	mg/L	12	1	8.3%	4	0	0.0%	0.020	0.010	8	1	12.5%	0.005	0.025	0.011	0.0062
4-Chlorotoluene	mg/L	2	0	0.0%	0	0	0.0%	0.020	0.010	2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%	0	0	0.0%	0.020	0.010	2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	12	1	8.3%	4	0	0.0%	0.020	0.010	8	1	12.5%	0.005	0.025	0.010	0.0065
Acetone	mg/L	12	3	25.0%	4	2	50.0%	0.055	0.059	8	1	12.5%	0.005	0.025	0.011	0.0062
Benzene	mg/L	12	11	91.7%	4	4	100.0%	0.0091	0.0063	8	7	87.5%	0.00156	0.055	0.012	0.019
Bromobenzene	mg/L	2	0	0.0%	0	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	0	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.002	0.001	0.0074	0.0037
Bromoforn	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.005	0.005	0.0014	0.0015
Bromomethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0020	0.0019
Carbon disulfide	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0020	0.0019
Carbon tetrachloride	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0026	0.0033
Chlorobenzene	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.002	0.001	0.0074	0.0037
Chloroethane	mg/L	12	4	33.3%	4	2	50.0%	0.0078	0.0026	8	2	25.0%	0.00025	0.005	0.0017	0.0016
Chloroform	mg/L	12	12	100.0%	4	4	100.0%	0.053	0.024	8	8	100.0%	0.001	0.078	0.12	0.27
Chloroform	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.005	0.005	0.0014	0.0015
Chloromethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0041	0.0017
cis-1,2-Dichloroethene	mg/L	12	6	50.0%	4	1	25.0%	1.09	2.18	8	5	62.5%	0.0025	0.073	0.16	0.025
cis-1,3-Dichloropropene	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.005	0.005	0.0014	0.0015
Dibromochloromethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0014	0.0015
Dibromomethane	mg/L	3	0	0.0%	0	0	0.0%	0.001	0.001	3	0	0.0%	0.001	0.001	0.00083	0.00037
Dichlorodifluoromethane	mg/L	12	1	8.3%	4	0	0.0%	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0020	0.0019

Detection frequency of chemicals by sampling technique at Well CG-105-S2

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of detects	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	
Ethylbenzene	mg/L	12	12	100.0%	4	4	100.0%	0.064	0.23	0.16	0.081	8	8	100.0%	0.00126	0.56	0.091	0.19
Isopropylbenzene	mg/L	2	2	100.0%	3	3	100.0%	0.181	0.36	0.25	0.096	2	2	100.0%	0.00343	0.00687	0.0052	0.0024
meta & para Xylenes	mg/L	10	9	90.0%	1	0	0.0%	0.005	0.005	0.0050	na	7	6	85.7%	0.00342	0.65	0.13	0.23
meta-Xylene	mg/L	1	0	0.0%	4	2	50.0%	0.02	0.0494	0.033	0.013	8	2	25.0%	0.005	0.035	0.016	0.012
Methylene chloride	mg/L	4	4	33.3%	2	2	100.0%	0.005	0.041	0.018	0.017	2	1	50.0%	0.001	0.00122	0.0011	0.00016
n-Butylbenzene	mg/L	2	1	50.0%	4	3	75.0%	0.005	0.041	0.018	0.017	2	2	100.0%	0.00653	0.0106	0.0086	0.0029
n-Propylbenzene	mg/L	2	2	100.0%	1	1	100.0%	0.11	0.11	0.11	na	7	6	85.7%	0.000621	0.21	0.033	0.078
ortho-Xylene	mg/L	11	9	81.8%	4	3	75.0%	0.005	0.041	0.018	0.017	2	2	100.0%	0.00106	0.00111	0.0011	0.000035
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.11	0.11	0.11	na	8	1	12.5%	0.0005	0.005	0.0014	0.0015
sec-Butylbenzene	mg/L	2	2	100.0%	4	0	0.0%	0.001	0.005	0.0040	0.0020	2	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	2	0	0.0%	4	1	25.0%	0.001	0.0259	0.0092	0.011	8	1	12.5%	0.0002	0.001	0.00064	0.00040
tert-Butylbenzene	mg/L	2	2	100.0%	4	2	50.0%	0.01	0.248	0.070	0.12	8	5	62.5%	0.00086	0.61	0.082	0.21
Tetrachloroethene	mg/L	12	7	58.3%	4	1	25.0%	0.001	1.07	0.27	0.53	8	5	62.5%	0.00024	0.021	0.0049	0.0074
Toluene	mg/L	12	6	50.0%	4	0	0.0%	0.001	0.005	0.0040	0.0020	8	1	12.5%	0.0005	0.005	0.0014	0.0015
trans-1,2-Dichloroethene	mg/L	12	4	33.3%	4	1	25.0%	0.002	5.21	1.31	2.60	8	3	37.5%	0.0005	1	0.24	0.44
trans-1,3-Dichloropropene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.005	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0016	0.0014
Trichloroethene	mg/L	12	1	8.3%	4	0	0.0%	0.001	0.005	0.0040	0.0020	8	1	12.5%	0.001	0.005	0.0037	0.0021
Trichlorofluoromethane	mg/L	10	1	10.0%	4	1	25.0%	0.001	0.114	0.031	0.055	6	2	25.0%	0.0005	0.022	0.0041	0.0074
Vinyl acetate	mg/L	12	3	25.0%	4	1	25.0%	0.001	0.114	0.031	0.055	8	2	25.0%	0.0005	0.022	0.0041	0.0074
Vinyl chloride	mg/L	12	11	91.7%	4	4	100.0%	0.12	0.401	0.23	0.12	8	7	87.5%	0.00404	0.86	0.14	0.29
Xylene isomers (total)	mg/L	12	11	91.7%	4	4	100.0%	0.12	0.401	0.23	0.12	8	7	87.5%	0.00404	0.86	0.14	0.29

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-10-S1

Chemical	Pre and Micropurge				Micropurge										
	Units	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	
<b>Field Parameters</b>															
Conductivity	µS/cm	16	16	100.0%	202	368	261	66.5	10	10	100.0%	144	6290	812	
Dissolved oxygen, w/vol	mg/L	16	16	100.0%	0	5.1	2.58	1.79	10	10	100.0%	0.71	86	10.8	
Flow	mL/min	15	15	100.0%	524	671	569	63.8	10	10	100.0%	200	400	296	
Frequency	Hz	10	10	100.0%					10	10	100.0%	60	72	67.5	
Oxidation Reduction Potential	mV	16	16	100.0%	-277	56.8	-68.5	139	10	10	100.0%	-91	71	-0.32	
pH	pH	16	16	100.0%	5.54	6.56	6.24	0.38	10	10	100.0%	5.76	7.27	6.43	
Temperature	degF	16	16	100.0%	58.9	74.3	64.1	5.31	10	10	100.0%	60.6	67.7	63.7	
Turbidity	NTU	16	16	100.0%	0.92	13.2	4.40	4.48	10	10	100.0%	1.72	65	13.7	
Volume Removed	L	15	15	100.0%	4	9.2	6.80	1.98	10	10	100.0%	2.1	9.3	5.12	
<b>Conventional Water Quality Parameters</b>															
Methane	mg/L	1	1	100.0%					1	1	100.0%	0.21	0.21	0.21	
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	3	75.0%					4	3	75.0%	0.148	0.275	0.23	
Gasoline Range Organics	mg/L	4	4	100.0%					4	4	100.0%	0.05	0.638	0.33	
Lube oil	mg/L	4	1	25.0%					4	1	25.0%	0.5	0.5	0.50	
Ethane	mg/L	1	0	0.0%					1	0	0.0%	0.01	0.01	0.010	
Ethene	mg/L	1	0	0.0%					1	0	0.0%	0.01	0.01	0.010	
<b>Metals</b>															
Arsenic	mg/L	7	5	71.4%	0.01	0.0123	0.011	0.0012	4	3	75.0%	0.00184	0.0194	0.0084	
Barium	mg/L	6	0	0.0%	0.2	0.2	0.20	0	3	0	0.0%	0.01	0.2	0.14	
Cadmium	mg/L	6	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	
Chromium	mg/L	6	1	16.7%	0.01	0.01	0.010	1.3E-10	3	1	33.3%	0.00174	0.01	0.0072	
Copper	mg/L	6	0	0.0%	0.025	0.025	0.025	0	3	0	0.0%	0.001	0.025	0.017	
Cyanide	mg/L	4	2	50.0%	0.003	0.003	0.0030	6.7E-11	4	2	50.0%	0.001	0.01	0.010	
Lead	mg/L	7	0	0.0%	0.002	0.002	0.0020	0.0010	4	0	0.0%	0.001	0.01	0.0020	
Mercury	mg/L	3	0	0.0%	0.04	0.04	0.040	5.4E-10	3	0	0.0%	0.001	0.04	0.027	
Nickel	mg/L	6	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	
Selenium	mg/L	6	0	0.0%	0.01	0.01	0.010	1.3E-10	3	0	0.0%	0.001	0.01	0.0070	
Silver	mg/L	6	0	0.0%	0.02	0.02	0.020	0.00058	3	0	0.0%	0.01	0.02	0.017	
Zinc	mg/L	6	1	16.7%	0.0005	0.0005	0.00050	0.00014	3	0	0.0%	0.0005	0.001	0.00075	
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	7	1	14.3%	0.0005	0.0003	0.00013	0.00014	4	1	25.0%	0.0005	0.0022	0.00061	
Aroclor® 1221	mg/L	7	0	0.0%	0.0005	0.0003	0.00013	0.00014	4	0	0.0%	0.0005	0.0001	0.000075	
Aroclor® 1232	mg/L	7	2	28.6%	0.0005	0.0041	0.0015	0.0023	4	1	25.0%	0.0005	0.00226	0.00062	
Aroclor® 1242	mg/L	7	2	28.6%	0.0005	0.0029	0.0011	0.0016	4	1	25.0%	0.0005	0.0034	0.00091	
Aroclor® 1248	mg/L	7	0	0.0%	0.0005	0.0003	0.00013	0.00014	4	0	0.0%	0.0005	0.0001	0.000075	
Aroclor® 1254	mg/L	7	0	0.0%	0.0005	0.0003	0.00013	0.00014	4	0	0.0%	0.0005	0.0001	0.000075	
Aroclor® 1260	mg/L	7	0	0.0%	0.0005	0.0003	0.00013	0.00014	4	0	0.0%	0.0005	0.0001	0.000075	
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00099	0.01	0.0036	
1,2-Dichlorobenzene	mg/L	13	2	15.4%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.00099	0.005	0.0020	
1,3-Dichlorobenzene	mg/L	13	1	7.7%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.00099	0.005	0.0020	
1,4-Dichlorobenzene	mg/L	13	1	7.7%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.00099	0.005	0.0020	
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	0.001	0.0032	0.0017	0.0013	5	0	0.0%	0.00099	0.01	0.0049	
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00099	0.01	0.0049	
2,4-Dichlorophenol	mg/L	8	2	25.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00099	0.01	0.0049	
2,4-Dimethylphenol	mg/L	11	4	36.4%	0.001	0.0046	0.0017	0.0016	6	0	0.0%	0.00099	0.01	0.0047	
2,4-Dinitrophenol	mg/L	8	2	25.0%	0.001	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.02	0.013	
2,6-Dinitrotoluene	mg/L	7	1	14.3%	0.001	0.001	0.00077	0.012	4	0	0.0%	0.00099	0.01	0.0055	
2-Chloronaphthalene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00099	0.01	0.0055	
2-Chlorophenol	mg/L	9	2	22.2%	0.001	0.001	0.0010	0	4	0	0.0%	0.00099	0.01	0.0055	
2-Methyl-4,6-dinitrophenol	mg/L	8	2	25.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0057	
2-Methylnaphthalene	mg/L	7	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00099	0.01	0.0055	

Detection frequency of chemicals by sampling technique at Well CG-10-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of detects	frequency	No. of detects	frequency	Min	Max	Average	Std. Dev.	results	No. of detects	frequency	Min	Max	Average
2-Methylphenol	mg/L	12	3	25.0%	5	3	60.0%	0.001	0.001	0.0010	7	0	0.0%	0.00099	0.01	0.0054
2-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	4	0	0.0%	0.002	0.01	0.0060
2-Nitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	6	0	0.0%	0.00099	0.01	0.0057
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
3-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	4	0	0.0%	0.005	0.01	0.0075
4-Bromochlorophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
4-Chloro-3-methylphenol	mg/L	9	2	22.2%	3	2	66.7%	0.002	0.002	0.0020	6	0	0.0%	0.002	0.01	0.0061
4-Chloroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	4	0	0.0%	0.002	0.01	0.0060
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
4-Methylphenol	mg/L	10	3	30.0%	5	3	60.0%	0.001	0.001	0.0010	8	0	0.0%	0.00099	0.01	0.0046
4-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.008	0.0060	4	0	0.0%	0.005	0.01	0.0075
4-Nitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	6	0	0.0%	0.00099	0.0125	0.0074
Acenaphthene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	5	1	20.0%	0.000568	0.01	0.0044
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.0001	0.01	0.0044
Aniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	4	0	0.0%	0.005	0.01	0.0075
Anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	2	0	0.0%	0.00099	0.001	0.0010
Benz[a]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	4	0	0.0%	0.001	0.01	0.0035
Benzidine	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	3	0	0.0%	0.00099	0.01	0.0040
Benzo[a]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0030
Benzo[b]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0030
Benzo[k]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0030
Benzoic acid	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.005	0.0050	4	0	0.0%	0.005	0.02	0.010
Benzyl alcohol	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	5	0	0.0%	0.002	0.01	0.0068
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
bis[2-Ethylhexyl]phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.002	0.002	0.0020	4	1	25.0%	0.002	0.05	0.015
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	2	0	0.0%	0.01	0.01	0.010
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0030
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	4	0	0.0%	0.005	0.01	0.0075
Diethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Di-n-butyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0075	0.0032	4	0	0.0%	0.00099	0.01	0.0055
Di-n-octyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0055
Fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.001	0.01	0.0044
Fluorene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	5	1	20.0%	0.00132	0.01	0.0044
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0036
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Hexachloroethane	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.026	0.0093	4	0	0.0%	0.00099	0.01	0.0055
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.001	0.01	0.0030
Isophorone	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
Methylphenol	mg/L	1	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	1	0	0.0%	0.00099	0.01	0.0055
Naphthalene	mg/L	13	7	53.8%	5	2	40.0%	0.001	0.025	0.012	8	5	62.5%	0.000431	0.0133	0.0057
Nitrobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	4	0	0.0%	0.00099	0.01	0.0055
N-nitrosodiphenylamine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.00099	0.01	0.0064
Pentachlorophenol	mg/L	9	3	33.3%	3	3	100.0%	0.005	0.0084	0.0065	6	0	0.0%	0.005	0.01	0.0075
Phenanthrene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	5	1	20.0%	0.000757	0.01	0.0044
Phenol	mg/L	12	3	25.0%	5	3	60.0%	0.001	0.001	0.0010	7	0	0.0%	0.00099	0.01	0.0051
Pyrene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	5	1	20.0%	0.00189	0.01	0.0044

Detection frequency of chemicals by sampling technique at Well CG-10-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of detects	No. of results	No. of detects	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	5	0.0134	0.46	0.12	0.19	5	0	0.0%	0.001	0.005	0.0026
1,1,1-Trichloroethane	mg/L	13	13	100.0%	5	0	0.002	0.015	0.012	0.0058	7	1	14.3%	0.0005	0.015	0.0035
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.001	0.005	0.0042	0.0018	3	1	33.3%	0.0002	0.02	0.0088
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	1	33.3%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.0002	0.01	0.0024
1,1,2-Trichloroethane	mg/L	13	13	100.0%	5	5	0.029	0.12	0.061	0.037	8	8	100.0%	0.00971	0.205	0.062
1,1-Dichloroethane	mg/L	13	6	46.2%	5	1	0.0013	0.005	0.0043	0.0017	8	5	62.5%	0.00055	0.0068	0.0029
1,1-Dichloropropene	mg/L	4	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	4	0	0.0%	0.001	0.005	0.0020
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	2	0	0.0%	0.001	0.005	0.0030
1,2,3-Trichloropropane	mg/L	3	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	3	0	0.0%	0.001	0.005	0.0023
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	5	0	0.001	0.005	0.0043	0.0017	3	3	100.0%	0.0334	0.0555	0.046
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	3	0	0.0%	0.001	0.005	0.0023
1,2-Dichloroethane	mg/L	3	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	3	0	0.0%	0.001	0.005	0.0023
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.001	0.005	0.0043	0.0017	8	2	25.0%	0.0002	0.005	0.0022
1,3,5-Trimethylbenzene	mg/L	13	2	15.4%	5	0	0.001	0.005	0.0043	0.0017	8	1	12.5%	0.0002	0.005	0.0018
1,2-Dichloropropane	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0043	0.0017	2	2	100.0%	0.0121	0.0635	0.038
1,3-Dichloropropane	mg/L	4	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	4	0	0.0%	0.001	0.005	0.0020
2,2-Dichloropropane	mg/L	4	0	0.0%	5	0	0.001	0.005	0.0043	0.0017	4	0	0.0%	0.001	0.005	0.0020
2-Butanone	mg/L	13	2	15.4%	5	1	0.005	0.27	0.070	0.11	8	1	12.5%	0.005	0.1	0.027
2-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.005	0.025	0.021	0.089	2	0	0.0%	0.001	0.005	0.0030
2-Hexanone	mg/L	13	1	7.7%	5	0	0.005	0.025	0.021	0.089	2	1	12.5%	0.005	0.1	0.027
4-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.005	0.025	0.021	0.089	2	0	0.0%	0.001	0.005	0.0030
4-Isopropyltoluene	mg/L	2	2	100.0%	5	0	0.005	0.025	0.021	0.089	2	2	100.0%	0.00571	0.00581	0.0058
4-Methyl-2-pentanone	mg/L	13	2	15.4%	5	0	0.005	0.025	0.021	0.089	8	1	12.5%	0.005	0.1	0.027
Acetone	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Benzene	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0030
Bromobenzene	mg/L	2	0	0.0%	5	0	0.001	0.005	0.0042	0.0018	2	0	0.0%	0.001	0.005	0.0030
Bromochloromethane	mg/L	2	0	0.0%	5	0	0.001	0.005	0.0042	0.0018	2	0	0.0%	0.001	0.005	0.0030
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.0002	0.005	0.0018
Bromoform	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Bromomethane	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Chloroethane	mg/L	13	4	30.8%	5	0	0.001	0.005	0.0042	0.0018	8	4	50.0%	0.001	0.01	0.0048
Chloroform	mg/L	13	2	15.4%	5	1	0.001	0.047	0.013	0.019	8	1	12.5%	0.001	0.005	0.0026
Chloromethane	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0026
cis-1,2-Dichloroethene	mg/L	13	12	92.3%	5	4	0.66	6.2	2.86	2.22	8	8	100.0%	0.35	6.55	1.93
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.0002	0.01	0.0024
Dibromomethane	mg/L	3	0	0.0%	5	0	0.001	0.005	0.0042	0.0018	3	0	0.0%	0.001	0.005	0.0037
Dichlorodifluoromethane	mg/L	13	3	23.1%	5	0	0.001	0.005	0.0042	0.0018	8	3	37.5%	0.000658	0.05	0.0085
Ethylbenzene	mg/L	13	13	100.0%	5	5	0.0116	0.21	0.082	0.076	8	8	100.0%	0.001	0.14	0.037
Isopropylbenzene	mg/L	2	2	100.0%	5	5	0.0116	0.21	0.082	0.076	2	2	100.0%	0.0494	0.00749	0.0062
meta & para Xylenes	mg/L	11	10	90.9%	4	3	0.005	0.44	0.15	0.20	7	7	100.0%	0.001	0.33	0.074
meta-Xylene	mg/L	1	0	0.0%	1	0	0.005	0.005	0.0050	na	8	4	50.0%	0.005	0.069	0.025
Methylene chloride	mg/L	13	5	38.5%	5	1	0.025	0.089	0.039	0.028	2	1	50.0%	0.00196	0.005	0.0035
n-Butylbenzene	mg/L	2	1	50.0%	5	1	0.005	0.005	0.0050	na	2	2	100.0%	0.00678	0.00939	0.0081
n-Propylbenzene	mg/L	2	2	100.0%	5	5	0.013	0.13	0.059	0.044	7	6	85.7%	0.00614	0.077	0.013
ortho-Xylene	mg/L	12	11	91.7%	5	5	0.005	0.005	0.0050	na	2	0	0.0%	0.001	0.005	0.0030
para-Xylene	mg/L	1	0	0.0%	1	0	0.005	0.005	0.0050	na	2	0	0.0%	0.001	0.005	0.0030
sec-Butylbenzene	mg/L	2	0	0.0%	5	0	0.001	0.005	0.0042	0.0018	8	1	12.5%	0.001	0.005	0.0025
Styrene	mg/L	13	1	7.7%	5	0	0.001	0.005	0.0042	0.0018	2	0	0.0%	0.001	0.005	0.0030
tert-Butylbenzene	mg/L	2	0	0.0%	5	0	0.001	0.005	0.0042	0.0018	2	0	0.0%	0.001	0.005	0.0030

Detection frequency of chemicals by sampling technique at Well CG-10-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of defects	Detection frequency	No. of results	No. of defects	Detection frequency	Average	Std. Dev.	No. of results	No. of defects	Detection frequency	Min	Max	Average
Tetrachloroethene	mg/L	13	12	92.3%	5	4	80.0%	0.0118	0.028	8	8	100.0%	0.00624	0.31	0.093
Toluene	mg/L	13	8	61.5%	5	2	40.0%	0.002	0.021	8	8	75.0%	0.00113	1.1	0.15
trans-1,2-Dichloroethene	mg/L	13	8	61.5%	5	2	40.0%	0.0029	0.01	8	6	75.0%	0.003	0.0434	0.015
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	8	1	12.5%	0.001	0.005	0.0025
Trichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.013	0.068	8	8	100.0%	0.0127	0.18	0.068
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	8	1	12.5%	0.001	0.02	0.0044
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.005	6	1	16.7%	0.001	0.05	0.011
Vinyl chloride	mg/L	13	12	92.3%	5	5	100.0%	0.071	0.17	8	7	87.5%	0.005	0.17	0.059
Xylene isomers (total)	mg/L	13	12	92.3%	5	5	100.0%	0.023	0.57	8	7	87.5%	0.002	0.407	0.077

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-111-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	No. of results	No. of detects	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	15	100.0%	6	6	840	1510	1170	248	9	100.0%	151	56400	7470	18400
Dissolved oxygen, wt/vol	mg/L	14	100.0%	6	6	0	18.8	3.60	7.46	8	100.0%	0	51.4	8.30	17.6
Flow	mL/min	14	100.0%	5	5	330	657	548	137	9	100.0%	145	271	220	44.4
Frequency	Hz	8	100.0%	6	6	-275	87	-76.7	125	8	100.0%	75.2	100	89.7	7.29
Oxidation Reduction Potential	mV	15	100.0%	6	6	6.26	7.65	7.08	0.53	9	100.0%	6.38	7.75	7.25	0.39
pH	pH	15	100.0%	6	6	57.1	65	60.6	2.65	9	100.0%	52	63.3	58.8	3.50
Temperature	degF	15	100.0%	6	6	0.99	125	36.7	54.4	9	100.0%	3.35	172	46.1	61.0
Turbidity	NTU	15	100.0%	6	6	4.09	11.2	8.18	2.68	9	100.0%	1.05	13.4	4.96	3.37
Volume Removed	L	14	100.0%	5	5					9	100.0%				
<b>Conventional Water Quality Parameters</b>															
Hardness	mg/L	1	100.0%	1	1					1	100.0%	102	102	102	na
Bicarbonate	mg/L	1	100.0%	1	1					1	100.0%	410	410	410	na
Bicarbonate alkalinity	mg/L	5	100.0%	3	3	0.245	0.5	0.39	0.13	2	100.0%	407	445	426	26.9
Carbon dioxide	mg/L	6	100.0%	3	3					6	100.0%	14.1	24.6	19.8	4.86
Carbonate	mg/L	4	50.0%	3	1	0	0	0	0	1	100.0%	5	5	5.00	na
Carbonate alkalinity	mg/L	2	0.0%	3	1					2	0.0%	5	10	7.50	3.54
Fluoride	mg/L	1	100.0%	1	1	0	0	0	na	1	100.0%	0.435	0.435	0.44	na
Hydroxide alkalinity	mg/L	3	33.3%	2	0	0	0	0	0	2	0.0%	5	10	7.50	3.54
Hydroxide ion (OH-)	mg/L	3	100.0%	2	0					1	100.0%	5	5	5.00	na
Methane	mg/L	6	40.0%	6	6					6	100.0%	9.69	38.1	19.7	10.9
Nitrate	mg/L	6	33.3%	4	3	0.768	1060	266	529	5	20.0%	0.0407	0.1	0.088	0.027
Nitrite	mg/L	12	75.0%	4	3					8	75.0%	0.124	5	1.29	1.70
Sulfate	mg/L	9	20.0%	3	3	0.25	5	1.89	2.70	5	20.0%	4.8	20	11.0	8.25
Sulfides	mg/L	9	100.0%	3	3					6	100.0%	220	452	391	85.9
Total alkalinity	mg/L	10	90.0%	3	2	0.4	343000	114000	198000	7	100.0%	4.57	343	245	113
Total chloride	mg/L	8	100.0%	2	2	1.56	11.7	6.63	7.17	6	100.0%	2.13	24.5	11.8	9.32
Total organic carbon	mg/L	8	0.0%	1	0					1	0.0%	0.25	0.25	0.25	na
<b>Acids</b>															
Acetic acid	mg/L	1	0.0%	1	0					1	0.0%	0.25	0.25	0.25	na
Butyric Acid	mg/L	1	0.0%	1	0					1	0.0%	0.25	0.25	0.25	na
Isobutyric Acid	mg/L	1	0.0%	1	0					1	0.0%	0.25	0.25	0.25	na
Propionic acid	mg/L	1	0.0%	1	0					1	0.0%	0.25	0.25	0.25	na
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	50.0%	2	2					4	50.0%	0.0381	0.25	0.20	0.11
Gasoline Range Organics	mg/L	4	25.0%	4	4					4	25.0%	0.05	0.05	0.050	0
Lube oil	mg/L	4	25.0%	4	4					4	25.0%	0.5	0.5	0.50	0
Ethane	mg/L	6	16.7%	6	6					6	16.7%	0.002	5	0.89	2.02
Ethene	mg/L	5	20.0%	5	5					5	20.0%	0.002	5	1.06	2.20
<b>Metals</b>															
Ferric Iron	mg/L	2	100.0%	2	2					2	100.0%	5.92	8.18	7.05	1.60
Ferrous Iron	mg/L	5	40.0%	5	5					5	40.0%	0.118	1	0.52	0.31
Antimony	mg/L	2	0.0%	1	0					1	0.0%	0.06	0.06	0.060	na
Arsenic	mg/L	8	25.0%	4	0	0.00006	0.00006	0.000060	na	4	50.0%	0.000594	0.01	0.0031	0.0046
Barium	mg/L	9	22.2%	4	0	0.00005	0.2	0.15	0.10	5	40.0%	0.0217	0.2	0.13	0.093
Beryllium	mg/L	2	50.0%	1	0	0.00005	0.00005	0.000005	na	1	100.0%	0.000055	0.000055	0.000055	na
Cadmium	mg/L	9	0.0%	4	0	0.00005	0.005	0.0038	0.0025	5	0.0%	0.001	0.005	0.0034	0.0022
Calcium	mg/L	6	100.0%	2	2	11.9	14.7	13.3	1.98	4	100.0%	9.43	13.9	11.5	1.92
Chromium	mg/L	9	55.6%	4	1	0.00001	0.0141	0.0085	0.0060	5	80.0%	0.00365	0.0513	0.018	0.019
Cobalt	mg/L	1	0.0%	4	0	0.00005	0.00005	0.000050	na	5	60.0%	0.00141	0.0519	0.021	0.021
Copper	mg/L	9	33.3%	4	0	0.00025	0.025	0.019	0.012	6	33.3%	0.01	0.0304	0.016	0.0089
Cyanide	mg/L	6	2	2	2	11.1	14.5	12.8	2.40	3	100.0%	3.88	6.03	5.23	1.18
Iron	mg/L	5	100.0%	4	0	0.00005	0.003	0.0023	0.0015	4	25.0%	0.001	0.0221	0.0073	0.0099
Lead	mg/L	8	12.5%	4	0	16.2	17.1	16.7	0.64	4	100.0%	14.3	17.4	15.9	1.44
Magnesium	mg/L	6	100.0%	2	2					4	100.0%				

Detection frequency of chemicals by sampling technique at Well CG-111-I

Chemical	Units	Pre-Microbурge				Microbурge			
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects
Manganese	mg/L	6	100.0%	2	100.0%	4	100.0%	4	100.0%
Mercury	mg/L	6	0.0%	4	0.0%	2	0.0%	2	0.0%
Nickel	mg/L	9	44.4%	4	100.0%	4	100.0%	5	100.0%
Potassium	mg/L	6	100.0%	2	100.0%	4	100.0%	4	100.0%
Selenium	mg/L	9	11.1%	4	0.0%	4	0.0%	5	20.0%
Silver	mg/L	9	11.1%	4	0.0%	4	0.0%	5	20.0%
Sodium	mg/L	6	100.0%	2	100.0%	2	100.0%	4	100.0%
Thallium	mg/L	2	0.0%	1	0.0%	1	0.0%	1	0.0%
Tin	mg/L	1	0.0%	1	0.0%	1	0.0%	1	0.0%
Vanadium	mg/L	1	0.0%	1	0.0%	1	0.0%	1	0.0%
Zinc	mg/L	9	77.8%	4	50.0%	4	50.0%	5	100.0%
<b>Polychlorinated Biphenyls</b>									
Aroclor® 1016	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1221	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1232	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1242	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1248	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1254	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
Aroclor® 1260	mg/L	6	0.0%	2	0.0%	2	0.0%	4	0.0%
<b>Semivolatile Organic Compounds</b>									
1,2,4-Trichlorobenzene	mg/L	7	14.3%	2	0.0%	2	0.0%	5	20.0%
1,2-Dichlorobenzene	mg/L	13	15.4%	5	0.0%	5	0.0%	8	25.0%
1,3-Dichlorobenzene	mg/L	13	15.4%	5	0.0%	5	0.0%	8	25.0%
1,4-Dichlorobenzene	mg/L	13	15.4%	5	0.0%	5	0.0%	8	25.0%
2,4,5-Trichlorophenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
2,4,6-Trichlorophenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
2,4-Dichlorophenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
2,4-Dimethylphenol	mg/L	12	41.7%	5	60.0%	2	50.0%	7	28.6%
2,4-Dinitrophenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
2,4-Dinitrotoluene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2,6-Dinitrotoluene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2-Chloronaphthalene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2-Chlorophenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
2-Methyl-4,6-dinitrophenol	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2-Methylnaphthalene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2-Methylphenol	mg/L	13	38.5%	5	60.0%	3	60.0%	8	25.0%
2-Nitroaniline	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
2-Nitrophenol	mg/L	9	22.2%	2	100.0%	2	100.0%	7	14.3%
3,3-Dichlorobenzidine	mg/L	8	0.0%	2	0.0%	2	0.0%	6	0.0%
3-Nitroaniline	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
4-Bromophenyl-phenyl ether	mg/L	8	12.5%	2	50.0%	2	50.0%	6	16.7%
4-Chloro-3-methylphenol	mg/L	8	25.0%	2	50.0%	2	50.0%	6	16.7%
4-Chloroaniline	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
4-Chlorophenyl-phenyl ether	mg/L	8	0.0%	2	0.0%	2	0.0%	6	0.0%
4-Methylphenol	mg/L	11	45.5%	5	60.0%	3	60.0%	8	25.0%
4-Nitroaniline	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
4-Nitrophenol	mg/L	9	33.3%	2	100.0%	2	100.0%	7	14.3%
Acenaphthene	mg/L	8	0.0%	2	0.0%	2	0.0%	6	0.0%
Acenaphthylene	mg/L	8	0.0%	2	0.0%	2	0.0%	6	0.0%
Aniline	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
Anthracene	mg/L	8	0.0%	2	0.0%	2	0.0%	6	0.0%
Azobenzene	mg/L	4	0.0%	2	0.0%	2	0.0%	2	0.0%
Benz(a)anthracene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%
Benzo(a)pyrene	mg/L	5	0.0%	2	0.0%	2	0.0%	3	0.0%
Benzo(a)pyrene	mg/L	7	0.0%	2	0.0%	2	0.0%	5	0.0%

Detection frequency of chemicals by sampling technique at Well CG-111-I

Chemical	Pre and Microspurge						Pre-Microspurge						Microspurge						
	Units	No. of results	No. of detects	frequency	No. of results	No. of detects	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	frequency	Min	Max	Average	Std. Dev.	
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051	
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051	
Benzofluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051	
Benzofluoranthene	mg/L	7	2	28.6%	2	1	50.0%	0.005	0.005	0.0050	0	5	1	20.0%	0.005	0.02	0.010	0.0061	
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041	
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046	
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046	
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.05	0.031	0.026	
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.01	0.01	0.010	1.3E-10	
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0054	0.0051	
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051	
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027	
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Di-n-butyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Di-n-octyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0066	0.0047	
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0054	0.0051	
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0064	0.0049	
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040	
Hexachlorobutadiene	mg/L	7	1	14.3%	2	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0064	0.0049	
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Indeno[1,2,3-c]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051	
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.005	0.005	0.0050	na	
Naphthalene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0034	0.0022	8	2	25.0%	0.0001	0.005	0.0014	0.0015	
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
N-nitrosodiphenylamine	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.014	0.0012	0.00028	6	0	0.0%	0.001	0.01	0.0070	0.0046	
Pentachlorophenol	mg/L	9	2	22.2%	2	1	50.0%	0.005	0.005	0.0050	0	7	1	14.3%	0.005	0.01	0.0086	0.0024	
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051	
Phenol	mg/L	13	5	38.5%	5	3	60.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.01	0.0060	0.0045	
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0001	0.01	0.0054	0.0051	
<b>Volatile Organic Compounds</b>																			
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	5	0	0.0%	0.001	0.005	0.0018	0.0018	5	1	20.0%	0.0005	0.001	0.0090	0.0032	
1,1,1-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0005	0.005	0.0016	0.0015	
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.015	0.0052	0.0055	7	2	28.6%	0.0005	0.015	0.0041	0.0054	
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.02	0.0020	0	
1,1,2-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0002	0.001	0.00084	0.00031	
1,1-Dichloroethane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	3	37.5%	0.0005	0.005	0.0021	0.0018	
1,1-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0002	0.001	0.00078	0.00032	
1,2-Dichloropropene	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.001	0.0010	0.0010	4	1	25.0%	0.001	0.001	0.0010	0	
1,2,3-Trichlorobenzene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.001	0.0010	0.0010	2	1	50.0%	0.001	0.001	0.0010	0	
1,2,3-Trichloropropane	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.001	0.0010	0.0010	3	1	33.3%	0.001	0.001	0.0010	0	
1,2,4-Trimethylbenzene	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.001	0.0010	0.0010	3	1	33.3%	0.001	0.001	0.0010	0	
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.001	0.0010	0.0010	3	1	33.3%	0.001	0.001	0.0010	0	
1,2-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0002	0.001	0.00078	0.00032	
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0002	0.001	0.00078	0.00032	
1,3,5-Trimethylbenzene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.001	0.0010	0.0010	2	1	50.0%	0.001	0.001	0.0010	0	
1,3-Dichloropropane	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.001	0.0010	0.0010	4	1	25.0%	0.001	0.001	0.0010	0	
2,2-Dichloropropane	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.001	0.0010	0.0010	4	1	25.0%	0.001	0.001	0.0010	0	
2-Butanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.025	0.0090	0.0089	8	2	25.0%	0.005	0.025	0.012	0.0058	

Detection frequency of chemicals by sampling technique at Well CG-111-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge						
		No. of results	No. of detects	No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.	No. of results	No. of detects	Average	Std. Dev.			
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	na	2	1	50.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	1	50.0%	5	0	0.0%	0.005	0.0069	8	2	25.0%	0.005	0.025	0.012	0.0058
2-Hexanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.0090	8	2	25.0%	0.001	0.001	0.0010	0
4-Chlorotoluene	mg/L	2	1	50.0%	5	0	0.0%	0.005	0.0089	2	1	50.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.0090	8	2	25.0%	0.005	0.025	0.011	0.0062
4-Methyl-2-pentanone	mg/L	13	3	23.1%	5	1	20.0%	0.005	0.022	8	2	25.0%	0.005	0.035	0.012	0.0078
Acetone	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.0005	0.005	0.0019	0.0015
Benzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
Bromobenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.002	0.001	0.00078	0.00032
Bromodichloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Bromoform	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0022	0.0018
Bromomethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.001	0.005	0.0022	0.0018
Carbon disulfide	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.0018	8	3	37.5%	0.001	0.04	0.0072	0.014
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.002	0.001	0.00078	0.00032
Chlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Chloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.001	0.005	0.0018	0.0014
Chloroform	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.001	0.005	0.0018	0.0014
Chloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0018	0.0015
cis-1,2-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0018	0.0015
cis-1,3-Dichloropropene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.0018	8	3	37.5%	0.005	0.012	0.0056	0.0027
Dibromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Dibromomethane	mg/L	3	1	33.3%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.002	0.001	0.00084	0.00031
Dichlorodifluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	3	1	33.3%	0.005	0.001	0.00083	0.00029
Difluorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.0018	8	3	37.5%	0.001	0.005	0.0022	0.0018
Isopropylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.005	0.32	0.044	0.11
meta & para Xylenes	mg/L	10	5	50.0%	3	0	0.0%	0.001	0.0010	7	5	71.4%	0.00109	0.046	0.010	0.016
meta-Xylene	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.0030	8	2	25.0%	0.001	0.001	0.0010	0
Methylene chloride	mg/L	13	4	30.8%	5	2	40.0%	0.005	0.042	8	3	37.5%	0.005	0.001	0.0010	0
n-Butylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.025	0.0090	0.0070
n-Propylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
para-Xylene	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.0030	7	2	28.6%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0030	8	2	25.0%	0.001	0.019	0.0044	0.0066
Styrene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
tert-Butylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Tetrachloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	2	1	50.0%	0.001	0.001	0.0010	0
Toluene	mg/L	13	5	38.5%	5	0	0.0%	0.002	0.0036	8	2	25.0%	0.002	0.001	0.00078	0.00032
trans-1,2-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0036	8	5	62.5%	0.005	0.12	0.023	0.042
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Trichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.005	0.005	0.0016	0.0015
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0036	8	2	25.0%	0.005	0.01	0.0028	0.0033
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.0018	8	2	25.0%	0.001	0.005	0.0018	0.0014
Vinyl chloride	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.0018	6	1	16.7%	0.001	0.005	0.0039	0.0017
Xylene isomers (total)	mg/L	13	5	38.5%	5	0	0.0%	0.002	0.0048	8	5	62.5%	0.001	0.065	0.012	0.030

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-112-S1

Chemical	Units	Pre and Micropurge			Pre-Micropurge			Micropurge			
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>											
Conductivity	µS/cm	2	2	100.0%	2	2	100.0%	331	368	350	26.2
Dissolved oxygen, w/vol	mg/L	2	2	100.0%	2	2	100.0%	3.57	59.9	31.7	39.8
Flow	mL/min	2	2	100.0%	2	2	100.0%	138	191	165	37.5
Frequency	Hz	2	2	100.0%	2	2	100.0%	138	156	147	12.7
Oxidation Reduction Potential	mV	2	2	100.0%	2	2	100.0%	0.5	136	68.3	95.8
pH	pH	2	2	100.0%	2	2	100.0%	6.31	6.4	6.36	0.064
Temperature	degF	2	2	100.0%	2	2	100.0%	69.6	69.7	69.7	0.071
Turbidity	NTU	2	2	100.0%	2	2	100.0%	5.6	67	36.3	43.4
Volume Removed	L	2	2	100.0%	2	2	100.0%	0.7	8.7	3.66	2.24
<b>Hydrocarbons</b>											
Diesel Range Hydrocarbons	mg/L	1	1	100.0%	1	1	100.0%	2.05	2.05	2.05	na
Gasoline Range Organics	mg/L	1	1	100.0%	1	1	100.0%	1.16	1.16	1.16	na
Lube oil	mg/L	1	1	100.0%	1	1	100.0%	0.5	0.5	0.50	na
<b>Metals</b>											
Cyanide	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
<b>Semivolatile Organic Compounds</b>											
1,2-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.00956	0.00956	0.0096	na
1,3-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,4-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
2,4,5-Trichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2,4,6-Trichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2,4-Dichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2,4-Dimethylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.0111	0.0111	0.011	na
2,4-Dinitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.02	0.02	0.020	na
2-Chlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2-Methyl-4,6-dinitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
2-Nitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
3,3'-Dichlorobenzidine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
3-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Bromophenyl-phenyl ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Chloro-3-methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Chlorophenyl-phenyl ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Nitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Acenaphthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Acenaphthylene	mg/L	1	1	100.0%	1	1	100.0%	0.00016	0.00016	0.00016	na
Anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benz[e]anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzidine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Benz[a]pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzo[b]fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzo[ghi]perylene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzo[k]fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzyl alcohol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
bis[2-chloroethoxy]methane	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
bis[2-chloroethoxy]ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Chrysene	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Dibenz[a,h]anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Fluorene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Indeno[1,2,3-cd]pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Naphthalene	mg/L	2	2	100.0%	2	2	100.0%	0.0316	0.0586	0.045	0.019
N-nitrosodiphenylamine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na

Detection frequency of chemicals by sampling technique at Well CG-112-S1

Chemical	Pre and Micropurge					Micropurge										
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Pentachlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
Phenanthrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.00010	1	1	100.0%	0.0001	0.0001	0.00010	na
Phenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
Pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.00010	1	1	100.0%	0.0001	0.0001	0.00010	na
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,1,1-Trichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.0398	0.040	1	1	100.0%	0.0398	0.0398	0.040	na
1,1,2,2-Tetrachloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	1	1	100.0%	1	1	100.0%	0.0176	0.018	1	1	100.0%	0.0176	0.0176	0.018	na
1,1,2-Trichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,1-Dichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.0957	0.096	1	1	100.0%	0.0957	0.0957	0.096	na
1,1-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,1-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,2,3-Trichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,2,4-Trimethylbenzene	mg/L	1	1	100.0%	1	1	100.0%	0.106	0.11	1	1	100.0%	0.106	0.106	0.11	na
1,2-Dibromo-3-chloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dibromoethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
1,3-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
2,2-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
2-Butanone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
2-Hexanone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
4-Methyl-2-pentanone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
Acetone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.010	1	1	100.0%	0.01	0.01	0.010	na
Benzene	mg/L	1	1	100.0%	1	1	100.0%	0.00273	0.0027	1	1	100.0%	0.00273	0.00273	0.0027	na
Bromodichloromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Bromoform	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Bromomethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Carbon disulfide	mg/L	1	1	100.0%	1	1	100.0%	0.002	0.0020	1	1	100.0%	0.002	0.002	0.0020	na
Carbon tetrachloride	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Chlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Chloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.352	0.35	1	1	100.0%	0.352	0.352	0.35	na
Chloroform	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Chloromethane	mg/L	1	1	100.0%	1	1	100.0%	0.005	0.0050	1	1	100.0%	0.005	0.005	0.0050	na
cis-1,2-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.0513	0.051	1	1	100.0%	0.0513	0.0513	0.051	na
cis-1,3-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Dichlorodifluoromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Ethylbenzene	mg/L	1	1	100.0%	1	1	100.0%	0.13	0.13	1	1	100.0%	0.13	0.13	0.13	na
meta & para Xylenes	mg/L	1	1	100.0%	1	1	100.0%	0.138	0.14	1	1	100.0%	0.138	0.138	0.14	na
Methylene chloride	mg/L	1	1	100.0%	1	1	100.0%	0.005	0.0050	1	1	100.0%	0.005	0.005	0.0050	na
ortho-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.0438	0.044	1	1	100.0%	0.0438	0.0438	0.044	na
Styrene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Tetrachloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.00136	0.0014	1	1	100.0%	0.00136	0.00136	0.0014	na
Toluene	mg/L	1	1	100.0%	1	1	100.0%	0.00348	0.0035	1	1	100.0%	0.00348	0.00348	0.0035	na
trans-1,2-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.00589	0.0059	1	1	100.0%	0.00589	0.00589	0.0059	na
trans-1,3-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Trichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.0013	0.0013	1	1	100.0%	0.0013	0.0013	0.0013	na
Trichlorofluoromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.0010	1	1	100.0%	0.001	0.001	0.0010	na
Vinyl acetate	mg/L	1	1	100.0%	1	1	100.0%	0.005	0.0050	1	1	100.0%	0.005	0.005	0.0050	na
Vinyl chloride	mg/L	1	1	100.0%	1	1	100.0%	0.00498	0.00498	1	1	100.0%	0.00498	0.00498	0.00498	na
Xylene isomers (total)	mg/L	1	1	100.0%	1	1	100.0%	0.182	0.18	1	1	100.0%	0.182	0.182	0.18	na

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-113-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	2	2	100.0%	2	2	100.0%	491	542	517	36.1	491	542	517	36.1
Dissolved oxygen, wt/vol	mg/L	2	2	100.0%	2	2	100.0%	1.48	43.1	22.3	29.4	1.48	43.1	22.3	29.4
Flow	mL/min	2	2	100.0%	2	2	100.0%	127	165	146	26.9	127	165	146	26.9
Frequency	Hz	2	2	100.0%	2	2	100.0%	109	115	112	4.24	109	115	112	4.24
Oxidation Reduction Potential	mV	2	2	100.0%	2	2	100.0%	-34	35.8	0.90	49.4	-34	35.8	0.90	49.4
pH	pH	2	2	100.0%	2	2	100.0%	6.36	6.39	6.38	0.021	6.36	6.39	6.38	0.021
Temperature	degF	2	2	100.0%	2	2	100.0%	69.5	70.7	70.1	0.85	69.5	70.7	70.1	0.85
Turbidity	NTU	2	2	100.0%	2	2	100.0%	8	70	39.0	43.8	8	70	39.0	43.8
Volume Removed	L	2	2	100.0%	2	2	100.0%	2.1	4.19	3.03	0.67	2.1	4.19	3.03	0.67
<b>Conventional Water Quality Parameters</b>															
Methane	mg/L	1	1	100.0%	1	1	100.0%	4.57	4.57	4.57	na	4.57	4.57	4.57	na
Nitrate	mg/L	1	1	100.0%	1	1	100.0%	0.1	0.1	0.10	na	0.1	0.1	0.10	na
Nitrite	mg/L	1	1	100.0%	1	1	100.0%	0.1	0.1	0.10	na	0.1	0.1	0.10	na
Sulfate	mg/L	1	1	100.0%	1	1	100.0%	5.1	5.1	5.10	na	5.1	5.1	5.10	na
Sulfides	mg/L	1	1	100.0%	1	1	100.0%	5	5	5.00	na	5	5	5.00	na
Total alkalinity	mg/L	1	1	100.0%	1	1	100.0%	186	186	186	na	186	186	186	na
Total chloride	mg/L	1	1	100.0%	1	1	100.0%	31.3	31.3	31.3	na	31.3	31.3	31.3	na
Total organic carbon	mg/L	1	1	100.0%	1	1	100.0%	30.8	30.8	30.8	na	30.8	30.8	30.8	na
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	1	1	100.0%	1	1	100.0%	3.44	3.44	3.44	na	3.44	3.44	3.44	na
Gasoline Range Organics	mg/L	1	1	100.0%	1	1	100.0%	22.2	22.2	22.2	na	22.2	22.2	22.2	na
Lube oil	mg/L	1	1	100.0%	1	1	100.0%	0.5	0.5	0.50	na	0.5	0.5	0.50	na
Ethane	mg/L	1	1	100.0%	1	1	100.0%	0.289	0.289	0.29	na	0.289	0.289	0.29	na
Ethene	mg/L	1	1	100.0%	1	1	100.0%	1.74	1.74	1.74	na	1.74	1.74	1.74	na
<b>Metals</b>															
Ferric Iron	mg/L	1	1	100.0%	1	1	100.0%	11.2	11.2	11.2	na	11.2	11.2	11.2	na
Ferrous Iron	mg/L	1	1	100.0%	1	1	100.0%	15.9	15.9	15.9	na	15.9	15.9	15.9	na
Arsenic	mg/L	1	1	100.0%	1	1	100.0%	0.024	0.024	0.024	na	0.024	0.024	0.024	na
Barium	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
Cadmium	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
Chromium	mg/L	1	1	100.0%	1	1	100.0%	0.0186	0.0186	0.019	na	0.0186	0.0186	0.019	na
Copper	mg/L	1	1	100.0%	1	1	100.0%	0.00117	0.00117	0.0012	na	0.00117	0.00117	0.0012	na
Cyanide	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
Lead	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
Manganese	mg/L	1	1	100.0%	1	1	100.0%	0.221	0.221	0.22	na	0.221	0.221	0.22	na
Nickel	mg/L	1	1	100.0%	1	1	100.0%	0.0152	0.0152	0.015	na	0.0152	0.0152	0.015	na
Selenium	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
Silver	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
Vanadium	mg/L	1	1	100.0%	1	1	100.0%	0.0076	0.0076	0.0076	na	0.0076	0.0076	0.0076	na
Zinc	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
<b>Semivolatile Organic Compounds</b>															
1,2-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
1,3-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
1,4-Dichlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0010	na
2,4,5-Trichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
2,4,6-Trichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
2,4-Dichlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
2,4-Dimethylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.0165	0.0165	0.017	na	0.0165	0.0165	0.017	na
2,4-Dinitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.02	0.02	0.020	na	0.02	0.02	0.020	na
2-Chlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
2-Methyl-4,6-dinitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
2-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.0169	0.0169	0.017	na	0.0169	0.0169	0.017	na
2-Nitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na
3,3'-Dichlorobenzidine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na	0.01	0.01	0.010	na

Detection frequency of chemicals by sampling technique at Well CG-113-S1

Chemical	Units	Pre and Micropurge			Pre-Micropurge			Micropurge			
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
3-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Bromophenyl-phenyl ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Chloro-3-methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Chlorophenyl-phenyl ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Nitrophenol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Acenaphthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Acenaphthylene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benz[a]anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzidine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Benz[a]pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benz[b]fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benz[g]hijperylene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benz[k]fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Benzyl alcohol	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
bis[2-chloroethoxy]methane	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
bis[2-chloroethyl]ether	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Chrysene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Dibenz[a,h]anthracene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Fluoranthene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Fluorene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Indeno[1,2,3-cd]pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Naphthalene	mg/L	2	2	100.0%	2	2	100.0%	0.0113	0.0205	0.016	0.0065
N-nitrosodiphenylamine	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Pentachlorophenol	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Phenanthrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
Phenol	mg/L	1	1	100.0%	1	1	100.0%	0.0246	0.0246	0.025	na
Pyrene	mg/L	1	1	100.0%	1	1	100.0%	0.0001	0.0001	0.00010	na
<b>Volatile Organic Compounds</b>											
1,1,1,2-Tetrachloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,1,1-Trichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.034	0.034	0.034	na
1,1,2,2-Tetrachloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,1,2-Trichloro-1,2-Trifluoroethane	mg/L	1	1	100.0%	1	1	100.0%	0.0687	0.0687	0.069	na
1,1,2-Trichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,1-Dichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.169	0.169	0.17	na
1,1-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,1-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,2,3-Trichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,2,4-Trimethylbenzene	mg/L	1	1	100.0%	1	1	100.0%	0.184	0.184	0.18	na
1,2-Dibromo-3-chloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dibromoethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dichloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,2-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
1,3-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
2,2-Dichloropropane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
2-Butanone	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
2-Hexanone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
4-Methyl-2-pentanone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Acetone	mg/L	1	1	100.0%	1	1	100.0%	0.01	0.01	0.010	na
Benzene	mg/L	1	1	100.0%	1	1	100.0%	0.0382	0.0382	0.038	na
Bromodichloromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
Bromoform	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na
Bromomethane	mg/L	1	1	100.0%	1	1	100.0%	0.002	0.002	0.0020	na
Carbon disulfide	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na



Detection frequency of chemicals by sampling technique at Well CG-113-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Carbon tetrachloride	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Chlorobenzene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Chloroethane	mg/L	1	1	100.0%	1	1	100.0%	0.401	0.401	0.40	na	1	1	100.0%	0.401	0.401	0.40	na
Chloroform	mg/L	1	1	100.0%	1	1	100.0%	0.00113	0.00113	0.0011	na	1	1	100.0%	0.00113	0.00113	0.0011	na
Chloromethane	mg/L	1	1	100.0%	1	1	100.0%	0.005	0.005	0.0050	na	1	1	100.0%	0.005	0.005	0.0050	na
cis-1,2-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.0219	0.0219	0.022	na	1	1	100.0%	0.0219	0.0219	0.022	na
cis-1,3-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Dichlorodifluoromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Ethylbenzene	mg/L	1	1	100.0%	1	1	100.0%	6.95	6.95	6.95	na	1	1	100.0%	6.95	6.95	6.95	na
meta & para Xylenes	mg/L	1	1	100.0%	1	1	100.0%	1.14	1.14	1.14	na	1	1	100.0%	1.14	1.14	1.14	na
Methylene chloride	mg/L	1	1	100.0%	1	1	100.0%	0.102	0.102	0.10	na	1	1	100.0%	0.102	0.102	0.10	na
ortho-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.357	0.357	0.36	na	1	1	100.0%	0.357	0.357	0.36	na
Styrene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Tetrachloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.00256	0.00256	0.0026	na	1	1	100.0%	0.00256	0.00256	0.0026	na
Toluene	mg/L	1	1	100.0%	1	1	100.0%	2.24	2.24	2.24	na	1	1	100.0%	2.24	2.24	2.24	na
trans-1,2-Dichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.00395	0.00395	0.0040	na	1	1	100.0%	0.00395	0.00395	0.0040	na
trans-1,3-Dichloropropene	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Trichloroethene	mg/L	1	1	100.0%	1	1	100.0%	0.00222	0.00222	0.0022	na	1	1	100.0%	0.00222	0.00222	0.0022	na
Trichlorofluoromethane	mg/L	1	1	100.0%	1	1	100.0%	0.001	0.001	0.0010	na	1	1	100.0%	0.001	0.001	0.0010	na
Vinyl acetate	mg/L	1	1	100.0%	1	1	100.0%	0.005	0.005	0.0050	na	1	1	100.0%	0.005	0.005	0.0050	na
Vinyl chloride	mg/L	1	1	100.0%	1	1	100.0%	0.0487	0.0487	0.049	na	1	1	100.0%	0.0487	0.0487	0.049	na
Xylene isomers (total)	mg/L	1	1	100.0%	1	1	100.0%	1.5	1.5	1.50	na	1	1	100.0%	1.5	1.5	1.50	na

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-11-I

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge									
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	14	14	100.0%	2	2	100.0%	350	796	573	315	12	12	100.0%	750	32100	3480	9010
Dissolved oxygen, wt/vol	mg/L	14	14	100.0%	2	2	100.0%	0	3.11	1.56	2.20	12	12	100.0%	1	37.1	5.14	10.2
Flow	mL/min	14	14	100.0%	2	2	100.0%	436	680	558	173	12	12	100.0%	129	272	197	54.3
Frequency	Hz	12	12	100.0%	2	2	100.0%	-297	-104	-201	136	12	12	100.0%	75	177	90.2	27.9
Oxidation Reduction Potential	mV	14	14	100.0%	2	2	100.0%	4.25	8.32	6.29	2.88	12	12	100.0%	7	7.92	7.40	0.30
pH		14	14	100.0%	2	2	100.0%	58.5	67.8	63.2	6.58	12	12	100.0%	52.2	64.3	57.7	3.67
Temperature	degF	14	14	100.0%	2	2	100.0%	150	173	162	16.3	12	12	100.0%	7.46	246	70.1	88.5
Turbidity	NTU	14	14	100.0%	2	2	100.0%	11	14	12.5	2.12	12	12	100.0%	1.27	5.14	2.60	1.18
Volume Removed	L	14	14	100.0%	2	2	100.0%					4	4	100.0%	11	19.7	16.3	3.85
<b>Conventional Water Quality Parameters</b>																		
Carbon dioxide	mg/L	4	4	100.0%								4	4	100.0%	8.1	34.8	18.5	11.6
Methane	mg/L	4	4	100.0%								4	4	100.0%	0.1	0.1	0.10	0
Nitrate	mg/L	3	0	0.0%								3	0	0.0%	0.1	0.1	0.10	0
Nitrite	mg/L	3	0	0.0%								3	0	0.0%	0.1	0.1	0.10	0
Sulfate	mg/L	4	3	75.0%								4	3	75.0%	0.2	0.66	0.53	0.27
Sulfides	mg/L	3	1	33.3%								3	1	33.3%	1.6	20	8.87	9.79
Total alkalinity	mg/L	3	3	100.0%								3	3	100.0%	331	411	384	45.6
Total chloride	mg/L	4	4	100.0%								4	4	100.0%	52.9	65	58.3	5.66
Total organic carbon	mg/L	2	2	100.0%								2	2	100.0%	25.5	48.8	37.2	16.5
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	3	75.0%								4	3	75.0%	0.178	0.428	0.28	0.11
Gasoline Range Organics	mg/L	4	3	75.0%								4	3	75.0%	0.0105	0.108	0.055	0.040
Lube oil	mg/L	4	1	25.0%								4	1	25.0%	0.5	0.5	0.50	0
Ethane	mg/L	4	0	0.0%								4	0	0.0%	0.01	5	1.35	2.43
Ethene	mg/L	3	0	0.0%								3	0	0.0%	0.01	0.2	0.14	0.11
<b>Metals</b>																		
Ferric Iron	mg/L	2	2	100.0%								2	2	100.0%	2.58	4.4	3.49	1.29
Ferrous Iron	mg/L	4	4	100.0%								4	4	100.0%	0.5	0.885	0.72	0.19
Arsenic	mg/L	5	3	60.0%	1	0	0.0%	0.01	0.01	0.010	na	4	3	75.0%	0.00223	0.01	0.0058	0.0035
Barium	mg/L	4	1	25.0%	1	0	0.0%	0.2	0.2	0.20	na	3	1	33.3%	0.0271	0.2	0.14	0.10
Cadmium	mg/L	4	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	4	3	75.0%	1	0	0.0%	0.01	0.01	0.010	na	3	3	100.0%	0.021	0.0269	0.023	0.0033
Copper	mg/L	4	3	75.0%	1	1	100.0%	0.0475	0.0475	0.048	na	3	2	66.7%	0.025	0.0272	0.026	0.0012
Cyanide	mg/L	4	3	75.0%								4	3	75.0%	0.00584	0.01	0.0083	0.0021
Iron	mg/L	2	2	100.0%								2	2	100.0%	4.23	5.01	4.62	0.55
Lead	mg/L	5	3	60.0%	1	1	100.0%	0.0074	0.0074	0.0074	na	4	2	50.0%	0.00169	0.003	0.0027	0.00065
Manganese	mg/L	4	4	100.0%								4	4	100.0%	0.233	0.268	0.25	0.018
Mercury	mg/L	1	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	4	100.0%	0.00005	0.0002	0.00011	0.00063
Nickel	mg/L	4	1	25.0%	1	0	0.0%	0.04	0.04	0.040	na	3	1	33.3%	0.00952	0.04	0.030	0.018
Selenium	mg/L	4	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	3	0	0.0%	0.001	0.005	0.0037	0.0023
Silver	mg/L	4	1	25.0%	1	0	0.0%	0.01	0.01	0.010	na	3	1	33.3%	0.000289	0.01	0.0068	0.0056
Zinc	mg/L	4	4	100.0%	1	1	100.0%	0.205	0.205	0.21	na	3	3	100.0%	0.0321	0.075	0.049	0.023
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	5	1	20.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	1	25.0%	0.00005	0.0002	0.00011	0.00063
Aroclor® 1221	mg/L	5	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	0	0.0%	0.00005	0.0001	0.000075	0.00029
Aroclor® 1232	mg/L	5	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	0	0.0%	0.00005	0.0001	0.000075	0.00029
Aroclor® 1242	mg/L	5	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	0	0.0%	0.00005	0.0001	0.000075	0.00029
Aroclor® 1248	mg/L	5	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	0	0.0%	0.00005	0.0001	0.000075	0.00029
Aroclor® 1254	mg/L	5	1	20.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	1	25.0%	0.00005	0.0015	0.00044	0.00071
Aroclor® 1260	mg/L	5	0	0.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	4	0	0.0%	0.00005	0.0001	0.000075	0.00029
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.051	0.11
1,2-Dichlorobenzene	mg/L	9	7	77.8%	1	0	0.0%	0.001	0.001	0.0010	na	8	7	87.5%	0.00096	0.126	0.019	0.043
1,3-Dichlorobenzene	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	0.0010	na	8	2	25.0%	0.0005	0.001	0.00093	0.00018

Detection frequency of chemicals by sampling technique at Well CG-11-I

Chemical	Units	Pre and Micropurge					Pre-Micropurge					Micropurge						
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
1,4-Dichlorobenzene	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	0.0010	na	8	2	25.0%	0.0005	0.001	0.00093	0.00018
2,4,5-Trichlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.25	0.053	0.11
2,4,6-Trichlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.25	0.053	0.11
2,4-Dichlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.25	0.053	0.11
2,4-Dimethylphenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	2	33.3%	0.00096	0.444	0.078	0.18
2,4-Dinitrophenol	mg/L	6	2	33.3%	1	1	100.0%	0.005	0.005	0.0050	na	5	1	20.0%	0.0048	0.5	0.11	0.22
2,4-Dinitrotoluene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
2,6-Dinitrotoluene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
2-Chloronaphthalene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
2-Chloronaphthalene	mg/L	7	2	28.6%	1	1	100.0%	0.001	0.001	0.0010	na	6	1	16.7%	0.00096	0.25	0.046	0.10
2-Chlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.005	0.005	0.0050	na	5	1	20.0%	0.0048	0.25	0.056	0.11
2-Methyl-4,6-dinitrophenol	mg/L	5	1	20.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	1	25.0%	0.00096	0.25	0.067	0.12
2-Methylnaphthalene	mg/L	9	3	33.3%	2	1	50.0%	0.001	0.001	0.0010	0	7	2	28.6%	0.00096	0.302	0.048	0.11
2-Methylphenol	mg/L	5	0	0.0%	1	0	0.0%	0.002	0.002	0.0020	na	4	0	0.0%	0.0019	0.25	0.066	0.12
2-Nitroaniline	mg/L	7	2	28.6%	1	1	100.0%	0.001	0.001	0.0010	na	6	1	16.7%	0.00096	0.25	0.046	0.10
3,3-Dichlorobenzidine	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.054	0.11
3-Nitroaniline	mg/L	5	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	4	0	0.0%	0.0048	0.25	0.067	0.12
4-Bromophenyl-phenyl ether	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.054	0.11
4-Chloro-3-methylphenol	mg/L	7	2	28.6%	1	1	100.0%	0.002	0.002	0.0020	na	6	1	16.7%	0.0019	0.25	0.046	0.10
4-Chloroaniline	mg/L	5	0	0.0%	1	0	0.0%	0.002	0.002	0.0020	na	4	0	0.0%	0.0019	0.25	0.066	0.12
4-Chlorophenyl-phenyl ether	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.054	0.11
4-Methylphenol	mg/L	7	3	42.9%	2	1	50.0%	0.001	0.001	0.0010	na	5	2	40.0%	0.00096	2.23	0.45	1.00
4-Nitroaniline	mg/L	5	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	4	0	0.0%	0.0048	0.25	0.067	0.12
4-Nitrophenol	mg/L	7	2	28.6%	1	1	100.0%	0.001	0.001	0.0010	na	6	1	16.7%	0.00096	0.25	0.049	0.099
Acenaphthene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.0001	0.25	0.052	0.11
Acenaphthylene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.0001	0.25	0.052	0.11
Aniline	mg/L	5	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	4	0	0.0%	0.0048	0.25	0.067	0.12
Anthracene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.0001	0.25	0.052	0.11
Azobenzene	mg/L	3	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.00096	0.001	0.00098	0.00028
Benz[a]anthracene	mg/L	5	0	0.0%	1	0	0.0%	0.002	0.002	0.0020	na	4	0	0.0%	0.0001	0.25	0.064	0.12
Benzidine	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.00096	0.01	0.0040	0.052
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.0001	0.25	0.063	0.12
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.0001	0.25	0.063	0.12
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.0001	0.25	0.063	0.12
Benzoic acid	mg/L	5	2	40.0%	1	1	100.0%	0.001	0.001	0.0010	na	4	1	25.0%	0.0048	0.5	0.13	0.25
Benzyl alcohol	mg/L	6	0	0.0%	1	0	0.0%	0.002	0.002	0.0020	na	5	0	0.0%	0.0019	0.25	0.055	0.11
bis[2-chloroethoxy]methane	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.054	0.11
bis[2-chloroethyl]ether	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.054	0.11
Bis[2-chloroisopropyl]ether	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
bis[2-Ethylhexyl]phthalate	mg/L	5	2	40.0%	1	0	0.0%	0.002	0.002	0.0020	na	4	2	50.0%	0.0072	1.25	0.33	0.61
Butylbenzyl phthalate	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
Carbazole	mg/L	2	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.01	0.25	0.13	0.17
Chrysene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.0001	0.25	0.052	0.11
Dibenz[a,h]anthracene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.0001	0.25	0.063	0.12
Dibenzofuran	mg/L	5	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	4	0	0.0%	0.0048	0.25	0.067	0.12
Diethyl phthalate	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
Dimethyl phthalate	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.065	0.12
Di-n-butyl phthalate	mg/L	5	1	20.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	1	25.0%	0.00096	0.25	0.065	0.12
Di-n-octyl phthalate	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.066	0.12
Fluoranthene	mg/L	6	1	16.7%	1	0	0.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.0001	0.25	0.052	0.11
Fluorene	mg/L	6	1	16.7%	1	0	0.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.0001	0.25	0.053	0.11
Hexachlorobenzene	mg/L	5	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	4	0	0.0%	0.00096	0.25	0.061	0.12
Hexachlorobutadiene	mg/L	6	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	5	0	0.0%	0.00096	0.25	0.051	0.11
Hexachlorocyclopentadiene	mg/L	5	1	20.0%	1	1	100.0%	0.0012	0.0012	0.0012	na	4	0	0.0%	0.00096	0.25	0.065	0.12

Detection frequency of chemicals by sampling technique at Well CG-11-I

Chemical	Pre and Microbudge				Pre-Microbudge				Microbudge							
	Units	No. of results	No. of detects	No. of Detection frequency	Units	No. of results	No. of detects	No. of Detection frequency	Units	No. of results	No. of detects	No. of Detection frequency	Units	No. of results	No. of detects	No. of Detection frequency
Hexachloroethane	mg/L	5	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
Indeno(1,2,3-cd)pyrene	mg/L	5	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
Isophorone	mg/L	5	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
Methylphenol	mg/L	1	0	0.0%	mg/L	1	0	0.0%	mg/L	1	0	0.0%	mg/L	1	0	0.0%
Naphthalene	mg/L	9	3	33.3%	mg/L	1	0	0.0%	mg/L	8	3	37.5%	mg/L	8	3	37.5%
Nitrobenzene	mg/L	5	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
N-nitroso-di-n-propylamine	mg/L	5	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
N-nitrosodiphenylamine	mg/L	6	0	0.0%	mg/L	1	0	0.0%	mg/L	5	0	0.0%	mg/L	5	0	0.0%
Pentachlorophenol	mg/L	7	2	28.6%	mg/L	1	1	100.0%	mg/L	6	1	16.7%	mg/L	6	1	16.7%
Phenanthrene	mg/L	6	1	16.7%	mg/L	1	0	0.0%	mg/L	5	1	20.0%	mg/L	5	1	20.0%
Phenol	mg/L	9	3	33.3%	mg/L	2	1	50.0%	mg/L	7	2	28.6%	mg/L	7	2	28.6%
Pyrene	mg/L	6	0	0.0%	mg/L	1	0	0.0%	mg/L	5	0	0.0%	mg/L	5	0	0.0%
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	mg/L	1	1	100.0%	mg/L	5	0	0.0%	mg/L	5	0	0.0%
1,1,1-Trichloroethane	mg/L	9	4	44.4%	mg/L	1	0	0.0%	mg/L	8	3	37.5%	mg/L	8	3	37.5%
1,1,2,2-Tetrachloroethane	mg/L	7	2	28.6%	mg/L	1	0	0.0%	mg/L	6	2	33.3%	mg/L	6	2	33.3%
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
1,1,2-Trichloroethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
1,1-Dichloroethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
1,1-Dichloroethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
1,1-Dichloropropene	mg/L	4	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
1,2,3-Trichloropropane	mg/L	3	0	0.0%	mg/L	1	0	0.0%	mg/L	3	0	0.0%	mg/L	3	0	0.0%
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	mg/L	1	0	0.0%	mg/L	3	0	0.0%	mg/L	3	0	0.0%
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	mg/L	1	0	0.0%	mg/L	3	0	0.0%	mg/L	3	0	0.0%
1,2-Dichloroethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
1,2-Dichloropropane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
1,3-Dichloropropane	mg/L	4	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
2,2-Dichloropropane	mg/L	4	0	0.0%	mg/L	1	0	0.0%	mg/L	4	0	0.0%	mg/L	4	0	0.0%
2-Butanone	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
2-Chlorotoluene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
2-Hexanone	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
4-Chlorotoluene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
4-Isopropyltoluene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
4-Methyl-2-pentanone	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Acetone	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Benzene	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Bromobenzene	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
Bromochloromethane	mg/L	2	0	0.0%	mg/L	1	0	0.0%	mg/L	2	0	0.0%	mg/L	2	0	0.0%
Bromodichloromethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Bromoform	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Bromomethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Carbon disulfide	mg/L	9	3	33.3%	mg/L	1	0	0.0%	mg/L	8	3	37.5%	mg/L	8	3	37.5%
Carbon tetrachloride	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Chlorobenzene	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Chloroethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Chloroform	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Chloromethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
cis-1,2-Dichloroethene	mg/L	9	3	33.3%	mg/L	1	0	0.0%	mg/L	8	3	37.5%	mg/L	8	3	37.5%
cis-1,3-Dichloropropene	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Dibromochloromethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%
Dibromomethane	mg/L	3	0	0.0%	mg/L	1	0	0.0%	mg/L	3	0	0.0%	mg/L	3	0	0.0%
Dichlorodifluoromethane	mg/L	9	2	22.2%	mg/L	1	0	0.0%	mg/L	8	2	25.0%	mg/L	8	2	25.0%

Detection frequency of chemicals by sampling technique at Well CG-11-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge				
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Average	Std. Dev.
Ethylbenzene	mg/L	9	4	44.4%	1	0	0.0%	0.001	0.001	8	4	50.0%	0.001	0.11
Isopropylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0
meta & para Xylenes	mg/L	7	5	71.4%						7	5	71.4%	0.000622	0.34
Methylene chloride	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	8	4	50.0%	0.00147	0.0052
n-Butylbenzene	mg/L	9	4	44.4%	1	0	0.0%	0.02	0.02	2	0	0.0%	0.001	0
n-Propylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0
ortho-Xylene	mg/L	2	0	0.0%	1	0	0.0%	0.001	0.001	7	4	57.1%	0.001	0.11
para-Xylene	mg/L	8	4	50.0%	1	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0
sec-Butylbenzene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0005	0.00018
Styrene	mg/L	2	0	0.0%	1	0	0.0%	0.001	0.001	2	0	0.0%	0.001	0
tert-Butylbenzene	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0005	0.00094
Tetrachloroethene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0
Toluene	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0002	0.0013
trans-1,2-Dichloroethene	mg/L	9	6	66.7%	1	1	100.0%	0.0031	0.0031	8	5	62.5%	0.00019	0.033
Trichloroethene	mg/L	2	2	100.0%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0005	0.0044
trans-1,3-Dichloropropene	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0005	0.0014
Trichloroethene	mg/L	9	3	33.3%	1	0	0.0%	0.002	0.002	8	2	25.0%	0.0005	0.00094
Trichlorofluoromethane	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	3	37.5%	0.0005	0.0019
Vinyl acetate	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.001	0.00035
Vinyl chloride	mg/L	7	2	28.6%	1	0	0.0%	0.001	0.001	6	2	33.3%	0.001	0.0030
Xylene isomers (total)	mg/L	9	2	22.2%	1	0	0.0%	0.001	0.001	8	2	25.0%	0.0005	0.00018
	mg/L	9	5	55.6%	1	0	0.0%	0.003	0.003	8	5	62.5%	0.001	0.42

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-11-S1

Chemical	Units	Pre and Micropourge					Micropourge											
		No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.			
<b>Field Parameters</b>																		
Conductivity	µS/cm	17	17	100.0%	6	6	100.0%	406	867	633	210	11	11	100.0%	405	18100	2190	5280
Dissolved oxygen, wt/vol	mg/L	16	16	100.0%	6	6	100.0%	2.07	39.9	10.6	14.6	10	10	100.0%	0.41	51.2	7.43	15.4
Flow	mL/min	16	16	100.0%	5	5	100.0%	390	950	595	217	11	11	100.0%	150	275	219	35.7
Frequency	Hz	10	10	100.0%								10	10	100.0%	9.4	91	68.1	22.0
Oxidation Reduction Potential	mV	17	17	100.0%	6	6	100.0%	-250	55.3	-78.6	129	11	11	100.0%	-77.7	211	15.4	77.8
pH		17	17	100.0%	6	6	100.0%	5.71	6.66	6.23	0.35	11	11	100.0%	6.12	6.77	6.38	0.23
Temperature	degF	17	17	100.0%	6	6	100.0%	56.6	70.8	60.9	5.46	11	11	100.0%	52	71.8	62.8	6.11
Turbidity	NTU	17	17	100.0%	6	6	100.0%	2.88	6.7	4.35	1.32	11	11	100.0%	1.67	10.6	4.43	2.73
Volume Removed	L	16	16	100.0%	5	5	100.0%	4	7.4	5.59	1.39	11	11	100.0%	0.9	6.9	3.48	1.95
<b>Conventional Water Quality Parameters</b>																		
Carbon dioxide	mg/L	4	4	100.0%								4	4	100.0%	114	216	155	45.7
Methane	mg/L	4	4	100.0%								4	4	100.0%	0.448	2.81	1.33	1.08
Nitrate	mg/L	3	0	0.0%								3	0	0.0%	0.1	0.1	0.10	0
Nitrite	mg/L	3	0	0.0%								3	0	0.0%	0.1	0.1	0.10	0
Sulfate	mg/L	4	3	75.0%								4	3	75.0%	0.14	0.806	0.43	0.31
Sulfides	mg/L	4	2	50.0%								4	2	50.0%	1.2	20	10.7	10.7
Total alkalinity	mg/L	3	3	100.0%								3	3	100.0%	104	178	141	37.0
Total chloride	mg/L	4	4	100.0%								4	4	100.0%	15.1	50.4	36.4	17.1
Total organic carbon	mg/L	2	2	100.0%								2	2	100.0%	202	219	211	12.0
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								4	4	100.0%	0.312	18.3	8.97	8.78
Gasoline Range Organics	mg/L	4	4	100.0%								4	4	100.0%	5	161	106	69.4
Lube oil	mg/L	4	2	50.0%								4	2	50.0%	0.5	5.5	3.13	2.74
Ethane	mg/L	4	2	50.0%								4	2	50.0%	0.00334	0.2	0.066	0.092
Ethene	mg/L	3	3	100.0%								3	3	100.0%	0.0137	0.184	0.086	0.088
<b>Metals</b>																		
Ferric Iron	mg/L	2	2	100.0%								2	2	100.0%	16.4	32.5	24.5	11.4
Ferrous Iron	mg/L	4	4	100.0%								4	4	100.0%	11.7	41.9	23.2	13.0
Arsenic	mg/L	7	7	100.0%	3	3	100.0%	0.0149	0.021	0.017	0.0033	4	4	100.0%	0.0113	0.0167	0.015	0.0023
Barium	mg/L	6	1	16.7%	3	0	0.0%	0.2	0.2	0.20	0	3	1	33.3%	0.0329	0.2	0.14	0.096
Beryllium	mg/L	1	0	0.0%								1	0	0.0%	0.0001	0.00001	0.000010	na
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	6	3	50.0%	3	1	33.3%	0.01	0.014	0.011	0.0023	3	2	66.7%	0.01	0.0125	0.011	0.013
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	3	1	33.3%	0.00735	0.025	0.019	0.010
Cyanide	mg/L	4	4	100.0%								4	4	100.0%	0.01	0.0189	0.014	0.0044
Iron	mg/L	2	2	100.0%								2	2	100.0%	51.1	71.2	61.2	14.2
Lead	mg/L	7	6	85.7%	3	2	66.7%	0.003	0.0078	0.0049	0.0025	4	4	100.0%	0.0035	5	1.25	2.50
Manganese	mg/L	4	4	100.0%								4	4	100.0%	0.98	1.99	1.48	0.41
Mercury	mg/L	3	0	0.0%								3	0	0.0%	0.0002	0.002	0.00080	0.0010
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.002	0.002	0.00080	0.0010	3	1	33.3%	0.00761	0.04	0.029	0.019
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	3	0	0.0%	0.001	0.005	0.0037	0.0023
Silver	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.01	0.0070	0.0052
Zinc	mg/L	6	1	16.7%	3	1	33.3%	0.01	0.01	0.010	1.3E-10	3	1	33.3%	0.01	0.02	0.017	0.0058
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
Aroclor® 1221	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
Aroclor® 1232	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
Aroclor® 1242	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
Aroclor® 1248	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
Aroclor® 1254	mg/L	7	2	28.6%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	2	50.0%	0.0001	0.0003	0.00014	0.00011
Aroclor® 1260	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.0003	0.00030	4.2E-12	4	1	25.0%	0.00005	0.0003	0.00014	0.00011
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00096	0.1	0.021	0.044
1,2-Dichlorobenzene	mg/L	13	13	100.0%	5	5	100.0%	0.017	0.05	0.032	0.012	8	8	100.0%	0.0114	0.254	0.078	0.083

Detection frequency of chemicals by sampling technique at Well CG-11-S1

Chemical	Pre and Micropurge						Micropurge									
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Average	Std. Dev.
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0028	0.0040	8	2	25.0%	0.00096	0.0040	0.0085
1,4-Dichlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.0028	0.0040	8	3	37.5%	0.00096	0.0061	0.0085
2,4,5-Trichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.17
2,4,6-Trichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.17
2,4-Dichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.17
2,4-Dimethylphenol	mg/L	11	10	90.9%	5	5	100.0%	0.59	1.54	0.79	5	5	100.0%	0.001	0.67	0.74
2,4-Dinitrophenol	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.0048	1.25	0.49
2,4-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0077	0.012	4	0	0.0%	0.00096	0.5	0.15
2,6-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0070	0.010	4	0	0.0%	0.00096	0.5	0.15
2-Chlorophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.00096	0.5	0.23
2-Methyl-4,6-dinitrophenol	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	6.7E-11	5	0	0.0%	0.0048	0.5	0.26
2-Methylnaphthalene	mg/L	7	5	71.4%	3	3	100.0%	0.0058	0.013	0.065	4	2	50.0%	0.0083	0.5	0.23
2-Methylphenol	mg/L	12	8	66.7%	5	2	40.0%	0.001	0.13	0.29	7	6	85.7%	0.068	0.5	0.14
2-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.002	0.0073	0.0092	4	0	0.0%	0.0019	0.5	0.24
2-Nitrophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	0	6	0	0.0%	0.00096	0.5	0.23
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.22
3-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.0050	6.7E-11	4	0	0.0%	0.0048	0.5	0.24
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.22
4-Chloro-3-methylphenol	mg/L	9	3	33.3%	3	3	100.0%	0.002	0.028	0.014	6	0	0.0%	0.0019	0.5	0.24
4-Chloroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.0020	0	4	0	0.0%	0.0019	0.5	0.24
4-Chlorophenyl-phenyl ether	mg/L	10	9	90.0%	5	5	100.0%	0.001	0.0010	0	5	0	0.0%	0.00096	0.5	0.22
4-Methylphenol	mg/L	7	1	14.3%	3	1	33.3%	0.005	2.28	2.09	5	4	80.0%	0.001	1.93	0.81
4-Nitroaniline	mg/L	9	3	33.3%	3	3	100.0%	0.001	0.053	0.084	4	0	0.0%	0.0048	0.5	0.24
Acenaphthene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.012	0.018	6	0	0.0%	0.00096	1.25	0.48
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	1	20.0%	0.00209	0.5	0.12
Aniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.0050	6.7E-11	4	0	0.0%	0.0001	0.5	0.22
Anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	0	0.0%	0.0048	0.5	0.24
Azobenzene	mg/L	5	1	20.0%	3	1	33.3%	0.001	0.0019	0.0015	2	0	0.0%	0.00096	0.001	0.00028
Benz[a]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.0020	0	4	0	0.0%	0.0001	0.1	0.026
Benzo[a]pyrene	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.0010	0	3	0	0.0%	0.00096	0.5	0.17
Benzo[b]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.0001	0.1	0.026
Benzo[ghi]perylene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.0001	0.1	0.026
Benzo[k]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.0001	0.1	0.026
Benzoic acid	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.021	0.010	4	0	0.0%	0.0001	0.1	0.026
Benzyl alcohol	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020	0.0092	4	0	0.0%	0.0048	0.5	0.24
bis(2-chloroethoxy)methane	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.026	0.034	5	0	0.0%	0.00096	0.5	0.22
bis(2-chloroethyl)ether	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0013	0.0058	5	0	0.0%	0.00096	0.5	0.22
Bis(2-chloroisopropyl)ether	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0028	0.0032	4	0	0.0%	0.00096	0.5	0.15
bis(2-Ethylhexyl)phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.002	0.0038	0.0031	4	1	25.0%	0.0048	2.5	1.17
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.00096	0.5	0.15
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.0010	0	2	0	0.0%	0.1	0.30	0.28
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	0	0.0%	0.0001	0.5	0.12
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.0001	0.1	0.026
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.0050	6.7E-11	4	0	0.0%	0.0048	0.5	0.15
Diethyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0027	0.0029	4	0	0.0%	0.00096	0.5	0.24
Dimethyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0011	0.0017	4	0	0.0%	0.00096	0.5	0.15
Di-n-butyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0012	0.00029	4	0	0.0%	0.0001	0.5	0.18
Di-n-octyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.001	0.5	0.24
Fluoranthene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.0010	0	5	1	20.0%	0.000758	0.5	0.12
Fluorene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.0010	0	5	1	20.0%	0.00036	0.5	0.12
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	0	4	0	0.0%	0.00096	0.5	0.15
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0	5	0	0.0%	0.00096	0.1	0.021

Detection frequency of chemicals by sampling technique at Well CG-11-S1

Chemical	Pre-Micropurge						Micropurge						
	Units	No. of results	No. of detects	No. of frequency	No. of results	No. of detects	frequency	Average	Std. Dev.	Min	Max	Average	Std. Dev.
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	0.00096	0.5	0.15	0.24
Hexachloroethane	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	0.00096	0.5	0.15	0.24
Isoduro[1,2,3-cd]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	0.00096	0.1	0.026	0.050
Isophorone	mg/L	7	2	28.6%	3	2	66.7%	0.0017	0.0010	0.00096	0.5	0.15	0.24
Methylphenol	mg/L	1	1	100.0%	1	1	100.0%	1.69	1.69	1.69	1.69	1.69	na
Naphthalene	mg/L	13	12	92.3%	5	5	100.0%	0.071	0.044	0.001	0.22	0.075	0.069
Nitrobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	0.00096	0.5	0.15	0.24
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	3	1	33.3%	0.0017	0.0013	0.00096	0.5	0.15	0.24
N-nitrosodiphenylamine	mg/L	6	1	12.5%	3	1	33.3%	0.0033	0.0039	0.00096	0.5	0.22	0.26
Pentachlorophenol	mg/L	9	4	44.4%	3	3	100.0%	0.046	0.035	0.0048	0.5	0.26	0.27
Phenanthrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	0.0001	0.5	0.12	0.22
Phenol	mg/L	12	11	91.7%	5	5	100.0%	3.88	4.55	0.001	4.02	1.34	1.57
Pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	0.0001	0.5	0.12	0.22
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	5	5	100.0%	0.92	1.66	0.001	0.025	0.058	0.011
1,1,1-Trichloroethane	mg/L	13	12	92.3%	5	5	100.0%	0.002	0.060	0.001	3.2	1.67	0.97
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.045	0.001	0.025	0.0073	0.0093
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	3	75.0%	1	0	0.0%	0.05	0.050	0.732	0.845	0.77	0.063
1,1,2-Trichloroethane	mg/L	13	8	61.5%	5	4	80.0%	0.024	0.015	0.001	0.067	0.019	0.026
1,1-Dichloroethane	mg/L	13	12	92.3%	5	5	100.0%	1.33	0.61	0.001	2	1.13	0.61
1,1-Dichloroethene	mg/L	13	12	92.3%	5	5	100.0%	0.025	0.056	0.002	0.099	0.037	0.037
1,1-Dichloropropene	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.0010	0.001	0.001	0.010	0
1,2-Dichloroethane	mg/L	2	0	0.0%	2	0	0.0%	0.0	0.0	0.001	0.001	0.010	0
1,2,3-Trichlorobenzene	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.0010	0.001	0.001	0.010	0
1,2,3-Trichloropropane	mg/L	3	2	66.7%	3	2	66.7%	0.001	0.0010	0.001	0.873	0.55	0.48
1,2,4-Trimethylbenzene	mg/L	3	2	66.7%	3	2	66.7%	0.00258	0.0021	0.000258	0.005	0.0021	0.0026
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.0010	0.001	0.001	0.010	0
1,2-Dibromethane	mg/L	3	1	33.3%	3	1	33.3%	0.001	0.0010	0.001	1.1	0.63	0.36
1,2-Dichloroethane	mg/L	13	12	92.3%	5	5	100.0%	0.53	0.76	0.001	1.1	0.63	0.36
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.020	0.002	0.025	0.040	0.0085
1,3,5-Trimethylbenzene	mg/L	2	1	50.0%	2	1	50.0%	0.015	0.015	0.001	0.22	0.11	0.15
1,3-Dichloropropane	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.0010	0.001	0.001	0.010	0
2,2-Dichloropropane	mg/L	4	1	25.0%	4	1	25.0%	0.001	0.0010	0.001	0.001	0.010	0
2-Butanone	mg/L	13	5	38.5%	5	0	0.0%	0.076	0.099	0.005	2.25	0.47	0.76
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.050	na	0.001	0.001	0.010	0
2-Chlorotoluene	mg/L	2	0	0.0%	5	2	40.0%	0.089	0.094	0.001	0.001	0.010	0
2-Hexanone	mg/L	13	6	46.2%	5	2	40.0%	0.089	0.094	0.001	0.5	0.11	0.17
4-Chlorotoluene	mg/L	2	1	50.0%	2	1	50.0%	0.00288	0.0064	0.001	0.001	0.0064	0.00050
4-Isopropyltoluene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.023	0.001	0.0455	0.023	0.031
4-Methyl-2-pentanone	mg/L	13	12	92.3%	5	5	100.0%	1.68	0.61	0.01	4.4	1.73	1.43
Acetone	mg/L	13	8	61.5%	5	5	100.0%	0.72	0.57	0.005	0.42	0.11	0.18
Benzene	mg/L	13	11	84.6%	5	5	100.0%	0.070	0.029	0.001	0.44	0.11	0.16
Bromobenzene	mg/L	2	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.001	0.010	0
Bromochloromethane	mg/L	2	0	0.0%	2	0	0.0%	0.0010	0	0.001	0.001	0.010	0
Bromodichloromethane	mg/L	13	2	15.4%	8	2	25.0%	0.020	0.008	0.002	0.025	0.0038	0.0086
Bromoform	mg/L	13	2	15.4%	8	2	25.0%	0.020	0.008	0.001	0.025	0.0045	0.0084
Bromomethane	mg/L	13	2	15.4%	8	2	25.0%	0.020	0.008	0.001	0.025	0.0045	0.0084
Carbon disulfide	mg/L	13	4	30.8%	5	1	20.0%	0.014	0.020	0.001	0.5	0.066	0.18
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.015	0.020	0.002	0.025	0.0038	0.0086
Chlorobenzene	mg/L	13	6	46.2%	5	3	60.0%	0.017	0.018	0.001	0.055	0.013	0.019
Chloroethane	mg/L	13	11	84.6%	5	4	80.0%	0.063	0.050	0.001	1.8	0.35	0.61
Chloroform	mg/L	13	10	76.9%	5	5	100.0%	0.13	0.059	0.001	0.33	0.083	0.11
Chloromethane	mg/L	13	3	23.1%	5	0	0.0%	0.015	0.020	0.001	0.25	0.035	0.067
cis-1,2-Dichloroethene	mg/L	13	12	92.3%	5	5	100.0%	14.8	7.56	0.001	14.5	9.74	5.46
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.015	0.020	0.001	0.025	0.0045	0.0084
Dibromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.015	0.020	0.002	0.05	0.069	0.017



Detection frequency of chemicals by sampling technique at Well CG-11-S1

Chemical	Pre and Micropourge										Micropourge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Dibromomethane	mg/L	3	0	0.0%	5	2	40.0%	0.001	0.05	0.017	0.019	3	0	0.0%	0.001	0.025	0.0090	0.014
Dichlorodifluoromethane	mg/L	13	6	46.2%	5	5	100.0%	0.63	7.7	5.50	2.87	8	4	50.0%	0.001	0.25	0.063	0.089
Ethylbenzene	mg/L	13	12	92.3%	5	5	100.0%	0.63	7.7	5.50	2.87	8	7	87.5%	0.001	5.4	3.65	1.77
Isopropylbenzene	mg/L	2	1	50.0%	4	4	100.0%	1.1	24	16.0	10.2	7	6	85.7%	0.001	0.076	0.039	0.053
meta & para Xylenes	mg/L	11	10	90.9%	1	0	0.0%	0.005	0.005	0.0050	na	7	6	85.7%	0.002	16	10.5	5.72
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.18	0.72	0.35	0.21	8	6	75.0%	0.005	0.65	0.18	0.20
Methylene chloride	mg/L	13	7	53.8%	5	1	20.0%	0.18	0.72	0.35	0.21	8	6	75.0%	0.005	0.65	0.18	0.20
n-Butylbenzene	mg/L	2	0	0.0%	5	1	20.0%	0.18	0.72	0.35	0.21	2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	2	1	50.0%	5	5	100.0%	0.55	4.51	3.19	1.61	2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	11	91.7%	1	1	100.0%	15.5	15.5	15.5	na	2	1	50.0%	0.001	0.172	0.087	0.12
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	15.5	15.5	15.5	na	7	6	85.7%	0.001	3.5	2.41	1.13
sec-Butylbenzene	mg/L	2	1	50.0%	5	1	20.0%	0.001	0.156	0.036	0.067	2	1	50.0%	0.001	0.0162	0.0086	0.011
Styrene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.156	0.036	0.067	8	2	25.0%	0.001	0.025	0.0045	0.0084
tert-Butylbenzene	mg/L	2	0	0.0%	5	5	100.0%	0.092	0.285	0.16	0.075	2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	12	92.3%	5	5	100.0%	0.092	0.285	0.16	0.075	8	7	87.5%	0.001	1.9	0.33	0.65
Toluene	mg/L	13	12	92.3%	5	5	100.0%	2	76.4	56.4	31.4	8	7	87.5%	0.001	66.9	29.7	24.2
trans-1,2-Dichloroethene	mg/L	13	10	76.9%	5	4	80.0%	0.0094	0.05	0.020	0.017	8	6	75.0%	0.001	0.177	0.071	0.071
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.05	0.015	0.020	8	2	25.0%	0.001	0.025	0.0045	0.0084
Trichloroethene	mg/L	13	11	84.6%	5	4	80.0%	0.038	0.1	0.057	0.025	8	7	87.5%	0.001	0.65	0.16	0.25
Trichlorofluoromethane	mg/L	13	6	46.2%	5	3	60.0%	0.001	0.05	0.023	0.019	8	3	37.5%	0.001	0.1	0.015	0.034
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.05	0.015	0.020	6	2	33.3%	0.001	0.25	0.045	0.10
Vinyl chloride	mg/L	13	11	84.6%	5	4	80.0%	0.001	0.351	0.22	0.14	8	7	87.5%	0.001	10	1.58	3.42
Xylene isomers (total)	mg/L	13	12	92.3%	5	5	100.0%	1.65	28.4	19.1	10.4	8	7	87.5%	0.003	19.5	12.4	6.49

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-12-I

Chemical	Pre and Micropurge						Micropurge											
	Units	No. of results	No. of Detection detects	No. of results	No. of Detection detects	frequency	Min	Max	Average	Std.Dev.	No. of results	No. of Detection detects	frequency	Min	Max	Average	Std.Dev.	
<b>Field Parameters</b>																		
Conductivity	µS/cm	9	9	100.0%	2	2	100.0%	442	650	546	147	7	7	100.0%	555	30700	4980	11300
Dissolved oxygen, wt/vol	mg/L	9	9	100.0%	2	2	100.0%	0.77	3.72	2.25	2.09	7	7	100.0%	1	55.2	9.86	20.0
Flow	mL/min	9	9	100.0%	2	2	100.0%	530	720	625	134	7	7	100.0%	136	263	190	45.0
Frequency	Hz	7	7	100.0%	2	2	100.0%	-286	-78	-152	147	7	7	100.0%	65.8	135	105	24.0
Oxidation Reduction Potential	mV	9	9	100.0%	2	2	100.0%	7.69	7.83	7.76	0.099	7	7	100.0%	-200	83	-45.9	89.3
pH	pH	9	9	100.0%	2	2	100.0%	57.2	70.5	63.9	9.40	7	7	100.0%	7.05	63	15.3	21.0
Temperature	degF	9	9	100.0%	2	2	100.0%	127	127	127	na	7	7	100.0%	51.3	61.8	57.1	3.19
Turbidity	NTU	8	8	100.0%	1	1	100.0%	12.5	14.1	13.3	1.13	7	7	100.0%	1.93	7.7	3.88	1.76
Volume Removed	L	9	9	100.0%	2	2	100.0%					7	7	100.0%				
<b>Conventional Water Quality Parameters</b>																		
Methane	mg/L	1	1	100.0%								1	1	100.0%	38.4	38.4	38.4	na
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	2	2	100.0%								2	2	100.0%	0.514	1.5	1.01	0.70
Gasoline Range Organics	mg/L	2	2	100.0%								2	2	100.0%	0.135	0.228	0.18	0.066
Lube oil	mg/L	2	1	50.0%								2	1	50.0%	0.5	0.516	0.51	0.011
Ethane	mg/L	1	0	0.0%								1	0	0.0%	0.01	0.01	0.010	na
Ethene	mg/L	1	0	0.0%								1	0	0.0%	0.01	0.01	0.010	na
<b>Metals</b>																		
Arsenic	mg/L	4	2	50.0%	1	0	0.0%	0.01	0.01	0.010	na	3	2	66.7%	0.00264	0.0178	0.010	0.0076
Barium	mg/L	4	1	25.0%	1	0	0.0%	0.2	0.2	0.20	na	3	0	0.0%	0.064	0.2	0.15	0.079
Cadmium	mg/L	4	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	4	3	75.0%	1	0	0.0%	0.01	0.01	0.010	na	3	3	100.0%	0.0236	0.0318	0.028	0.0041
Copper	mg/L	4	2	50.0%	1	0	0.0%	0.025	0.025	0.025	na	3	2	66.7%	0.0225	0.0335	0.027	0.0058
Cyanide	mg/L	2	0	0.0%								2	0	0.0%	0.01	0.01	0.010	0
Lead	mg/L	4	3	75.0%	1	1	100.0%	0.0204	0.0204	0.020	na	3	2	66.7%	0.003	0.0141	0.0081	0.0056
Mercury	mg/L	1	0	0.0%														
Nickel	mg/L	4	2	50.0%	1	0	0.0%	0.0002	0.0002	0.00020	na	3	1	33.3%	0.00653	0.04	0.029	0.019
Selenium	mg/L	4	0	0.0%	1	0	0.0%	0.005	0.005	0.0050	na	3	0	0.0%	0.001	0.005	0.0037	0.0023
Silver	mg/L	4	1	25.0%	1	0	0.0%	0.01	0.01	0.010	na	3	1	33.3%	0.001	0.01	0.0070	0.0052
Zinc	mg/L	4	4	100.0%	1	1	100.0%	0.661	0.661	0.66	na	3	3	100.0%	0.0386	0.491	0.20	0.25
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1221	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1232	mg/L	4	1	25.0%	1	1	100.0%	0.0022	0.0022	0.0022	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1242	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1248	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1254	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
Aroclor® 1260	mg/L	4	0	0.0%	1	0	0.0%	0.00065	0.00065	0.00065	na	3	0	0.0%	0.0001	0.003	0.0023	0.00012
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.00096	0.02	0.0073	0.011
1,2-Dichlorobenzene	mg/L	7	5	71.4%	1	0	0.0%	0.001	0.001	0.0010	na	6	5	83.3%	0.00096	0.197	0.059	0.078
1,3-Dichlorobenzene	mg/L	7	2	28.6%	1	0	0.0%	0.001	0.001	0.0010	na	6	2	33.3%	0.0005	0.0025	0.0012	0.00069
1,4-Dichlorobenzene	mg/L	7	3	42.9%	1	0	0.0%	0.001	0.001	0.0010	na	6	3	50.0%	0.00096	0.0025	0.0013	0.00061
2,4,5-Trichlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.02	0.0074	0.0080
2,4,6-Trichlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.02	0.0074	0.0080
2,4-Dichlorophenol	mg/L	6	3	50.0%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.02	0.0074	0.0080
2,4-Dimethylphenol	mg/L	8	3	37.5%	2	1	50.0%	0.001	0.001	0.0010	0	6	2	33.3%	0.00096	0.02	0.0073	0.0075
2,4-Dinitrophenol	mg/L	6	2	33.3%	1	1	100.0%	0.005	0.005	0.0050	na	5	1	20.0%	0.0048	0.04	0.019	0.015
2,4-Dinitrotoluene	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.00096	0.02	0.0073	0.011
2,6-Dinitrotoluene	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.00096	0.02	0.0073	0.011
2-Chloronaphthalene	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.00096	0.02	0.0073	0.011
2-Chlorophenol	mg/L	6	2	33.3%	1	1	100.0%	0.001	0.001	0.0010	na	5	1	20.0%	0.00096	0.02	0.0074	0.0080
2-Methyl-4,6-dinitrophenol	mg/L	6	2	33.3%	1	1	100.0%	0.005	0.005	0.0050	na	5	1	20.0%	0.0048	0.02	0.010	0.0062
2-Methylsulfathiazole	mg/L	4	1	25.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	1	33.3%	0.00096	0.00571	0.0026	0.0027

Detection frequency of chemicals by sampling technique at Well CG-12-I

Chemical	Units	Pre and Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency				
2-Methylphenol	mg/L	8	2	25.0%	2	1	50.0%	0	0.0010	0.0072	0.0077
2-Nitroaniline	mg/L	4	0	0.0%	1	0	0.0%	na	0.0020	0.0080	0.010
2-Nitrophenol	mg/L	6	2	33.3%	1	1	100.0%	na	0.0010	0.0074	0.0080
3,3'-Dichlorobenzidine	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
3-Nitroaniline	mg/L	4	0	0.0%	1	0	0.0%	na	0.0050	0.0089	0.0087
4-Bromophenyl-phenyl ether	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
4-Chloro-3-methylphenol	mg/L	6	2	33.3%	1	1	100.0%	na	0.0020	0.0078	0.0076
4-Chloroaniline	mg/L	4	0	0.0%	1	0	0.0%	na	0.0020	0.0080	0.010
4-Chlorophenyl-phenyl ether	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
4-Methylphenol	mg/L	7	3	42.9%	2	1	50.0%	0	0.0010	0.0050	0.0055
4-Nitroaniline	mg/L	4	0	0.0%	1	0	0.0%	na	0.0050	0.0099	0.0087
4-Nitrophenol	mg/L	6	2	33.3%	1	1	100.0%	na	0.0010	0.011	0.011
Acenaphthene	mg/L	5	2	40.0%	1	0	0.0%	na	0.0010	0.0062	0.0062
Acenaphthylene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Aniline	mg/L	4	0	0.0%	1	0	0.0%	na	0.0050	0.0087	0.0087
Anthracene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Azobenzene	mg/L	3	0	0.0%	1	0	0.0%	na	0.0010	0.00028	0.00028
Benz[a]anthracene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0020	0.0060	0.0094
Benzidine	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0040	0.0052
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Benzofluoranthene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Benzo[k]fluoranthene	mg/L	4	2	50.0%	1	1	100.0%	na	0.0050	0.017	0.020
Benzoic acid	mg/L	5	0	0.0%	1	0	0.0%	na	0.0020	0.0085	0.0086
Benzyl alcohol	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
bis[2-chloroethoxy]methane	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
bis[2-chloroethoxy]ether	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
Bis[2-chloroisopropyl]ether	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
bis[2-Ethylhexyl]phthalate	mg/L	4	2	50.0%	1	0	0.0%	na	0.0020	0.0077	0.062
Butylbenzyl phthalate	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Carbazole	mg/L	1	0	0.0%	1	0	0.0%	na	0.02	0.020	na
Chrysene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Dibenz[a,h]anthracene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Dibenzofuran	mg/L	4	1	25.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Diethyl phthalate	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0037	0.021
Dimethyl phthalate	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Di-n-butyl phthalate	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Di-n-octyl phthalate	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Fluoranthene	mg/L	5	1	20.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Fluorene	mg/L	5	1	20.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Hexachlorobenzene	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0096
Hexachlorobutadiene	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Hexachlorocyclopentadiene	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Hexachloroethane	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Indeno[1,2,3-cd]pyrene	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Isophtorone	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
Methylphenol	mg/L	1	0	0.0%	1	0	0.0%	na	0.005	0.0050	na
Naphthalene	mg/L	7	5	71.4%	1	0	0.0%	na	0.0010	0.0048	0.0051
Nitrobenzene	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
N-nitroso-di-n-propylamine	mg/L	4	0	0.0%	1	0	0.0%	na	0.0010	0.0073	0.011
N-nitrosodiphenylamine	mg/L	5	0	0.0%	1	0	0.0%	na	0.0010	0.0080	0.0091
N-nitrosophenylamine	mg/L	6	2	33.3%	1	1	100.0%	na	0.0050	0.010	0.0062
Pentachlorophenol	mg/L	5	1	20.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Phenanthrene	mg/L	8	3	37.5%	2	1	50.0%	0	0.0010	0.0061	0.0076
Phenol	mg/L	5	1	20.0%	1	0	0.0%	na	0.0010	0.0055	0.0097
Pyrene	mg/L	5	1	20.0%	1	0	0.0%	na	0.0010	0.0055	0.0097

Detection frequency of chemicals by sampling technique at Well CG-12-I

Chemical	Pre and Micropurge						Micropurge					
	Units	No. of results	No. of detects	No. of detects frequency	No. of results	No. of detects	Min	Average	Std. Dev.	Min	Average	Std. Dev.
<b>Volatile Organic Compounds</b>												
1,1,1,2-Tetrachloroethane	mg/L	3	0	0.0%	1	0	0.001	0.0010	na	0.0005	0.00083	0.00029
1,1,1-Trichloroethane	mg/L	7	3	42.9%	1	0	0.003	0.0030	na	0.00471	0.0020	0.0016
1,1,2,2-Tetrachloroethane	mg/L	7	2	28.6%	1	0	0.003	0.0030	na	0.0075	0.0027	0.0026
1,1,2,2-Tetrachloroethane	mg/L	3	0	0.0%						0.002	0.0020	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	7	3	42.9%	1	0	0.001	0.0010	na	0.0002	0.00064	0.00039
1,1,2-Trichloroethane	mg/L	7	5	71.4%	1	0	0.001	0.0010	na	0.00758	0.0018	0.0012
1,1-Dichloroethane	mg/L	7	3	42.9%	1	0	0.001	0.0010	na	0.00403	0.0012	0.0015
1,1-Dichloroethane	mg/L	2	0	0.0%						0.001	0.0010	0
1,1-Dichloropropane	mg/L	1	0	0.0%						0.001	0.0010	na
1,2,3-Trichloropropane	mg/L	1	0	0.0%						0.00622	0.0062	na
1,2,4-Trimethylbenzene	mg/L	1	0	0.0%						0.001	0.0010	na
1,2-Dibromo-3-chloropropane	mg/L	1	0	0.0%						0.001	0.0010	na
1,2-Dibromoethane	mg/L	7	5	71.4%	1	0	0.001	0.0010	na	0.00286	0.0010	0.0010
1,2-Dichloroethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0002	0.00057	0.00036
1,2-Dichloropropane	mg/L	2	0	0.0%						0.001	0.0010	0
1,3-Dichloropropane	mg/L	2	0	0.0%						0.001	0.0010	0
2,2-Dichloropropane	mg/L	7	3	42.9%	1	0	0.005	0.0050	na	0.0262	0.011	0.0078
2-Butanone	mg/L	7	2	28.6%	1	0	0.005	0.0050	na	0.005	0.012	0.0029
2-Hexanone	mg/L	7	2	28.6%	1	0	0.005	0.0050	na	0.005	0.012	0.0029
4-Methyl-2-pentanone	mg/L	7	3	42.9%	1	0	0.005	0.0050	na	0.005	0.071	0.15
Acetone	mg/L	7	3	42.9%	1	0	0.001	0.0010	na	0.0031	0.0011	0.0072
Benzene	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0002	0.001	0.00036
Bromodichloromethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.005	0.012	0.0068
Bromoform	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.001	0.005	0.0016
Bromomethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.001	0.011	0.024
Carbon disulfide	mg/L	7	4	57.1%	1	0	0.001	0.0010	na	0.06	0.011	0.00036
Carbon tetrachloride	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0002	0.001	0.00076
Chlorobenzene	mg/L	7	3	42.9%	1	0	0.001	0.0010	na	0.0025	0.0013	0.00061
Chloroethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0025	0.0013	0.00060
Chloroform	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.005	0.0033	0.0020
Chloromethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0079	0.0075	0.015
cis-1,2-Dichloroethane	mg/L	7	5	71.4%	1	0	0.001	0.0010	na	0.0025	0.0012	0.00068
cis-1,3-Dichloropropene	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.002	0.0013	0.0016
Dibromochloromethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.005	0.0017	0.00065
Dibromomethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0025	0.0017	0.00065
Dichlorodifluoromethane	mg/L	7	5	71.4%	1	0	0.001	0.0010	na	0.0013	0.046	0.097
Ethylbenzene	mg/L	5	5	100.0%	1	0	0.001	0.0010	na	0.0013	0.046	0.097
meta & para Xylenes	mg/L	1	0	0.0%						0.0183	0.012	0.015
meta-Xylene	mg/L	7	4	57.1%	1	0	0.086	0.086	na	0.04	0.092	0.017
Methylene chloride	mg/L	6	6	100.0%	1	1	0.0015	0.0015	na	0.00126	0.0092	0.017
ortho-Xylene	mg/L	1	1	100.0%	1	1	0.0022	0.0022	na	0.0005	0.0012	0.00068
Styrene	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0025	0.0020	0.0022
Tetrachloroethane	mg/L	7	3	42.9%	1	0	0.001	0.0010	na	1.9	0.32	0.77
Toluene	mg/L	7	6	85.7%	1	0	0.001	0.0010	na	0.0005	0.0012	0.00068
trans-1,2-Dichloroethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0025	0.0017	0.0020
trans-1,3-Dichloropropene	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0057	0.0017	0.0020
Trichloroethane	mg/L	7	4	57.1%	1	0	0.0023	0.0023	na	0.0078	0.0036	0.0032
Trichlorofluoromethane	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.0025	0.0014	0.00066
Vinyl acetate	mg/L	7	2	28.6%	1	0	0.001	0.0010	na	0.005	0.0033	0.0020
Vinyl chloride	mg/L	7	5	71.4%	1	0	0.001	0.0010	na	0.0087	0.0041	0.0057
Xylene isomers (total)	mg/L	7	7	100.0%	1	1	0.0047	0.0047	na	0.0029	0.047	0.10

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-1-D

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge					
	Units	No. of results	No. of Detection	No. of detects	frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	1620	4280	3320	1320	3870	168000	21000	51700	
Dissolved oxygen, w/vol	mg/L	16	16	100.0%	6	6	100.0%	0.31	7.9	3.12	2.77	0.6	25.4	5.21	7.36	
Flow	mL/min	15	15	100.0%	5	5	100.0%	483	940	789	179	192	364	274	59.7	
Frequency	Hz	10	10	100.0%	6	6	100.0%	-318	190	-105	180	57	70	64.8	4.12	
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	7.05	8.15	7.68	0.41	-179	210	-63.2	113	
pH	pH	16	16	100.0%	6	6	100.0%	56	72.3	60.6	5.98	7.33	8.14	7.77	0.22	
Temperature	degF	16	16	100.0%	6	6	100.0%	0.4	104	18.8	41.8	1.7	66	21.7	24.0	
Turbidity	NTU	16	16	100.0%	6	6	100.0%	18.8	34.4	23.5	6.41	3.55	3.85	3.70	0.21	
Volume Removed	L	15	15	100.0%	5	5	100.0%									
<b>Hydrocarbons</b>																
Diesel Range Hydrocarbons	mg/L	4	3	75.0%	4	3	75.0%	0.0661	0.278	0.21	0.098	0.0661	0.278	0.21	0.098	
Gasoline Range Organics	mg/L	4	1	25.0%	4	1	25.0%	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0	
Lube oil	mg/L	4	1	25.0%	4	1	25.0%	0.5	0.5	0.50	0.5	0.5	0.5	0.50	0	
<b>Metals</b>																
Arsenic	mg/L	7	6	85.7%	3	2	66.7%	0.01	0.018	0.014	0.0041	0.0203	0.0223	0.021	0.0011	
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	0.20	0	0.01	0.2	0.14	0.11	
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.005	0.0037	0.0023	
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.00365	0.01	0.0079	0.0037	
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	0.00226	0.025	0.017	0.013	
Cyanide	mg/L	4	2	50.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	0.00375	0.01	0.0084	0.0031	
Lead	mg/L	7	1	14.3%	3	0	0.0%	0.002	0.002	0.0020	0.0010	0.000319	0.003	0.0018	0.0014	
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	0.0035	0.04	0.028	0.021	
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.0014	0.005	0.0038	0.0021	
Selenium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.01	0.0070	0.0052	
Silver	mg/L	6	1	16.7%	3	0	0.0%	0.02	0.02	0.020	2.7E-10	0.01	0.02	0.017	0.0058	
Zinc	mg/L	6	0	0.0%	3	0	0.0%									
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.0002	0.00012	0.000076	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.0002	0.00012	0.000076	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.0002	0.00012	0.000076	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.0002	0.00012	0.000076	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.0002	0.00012	0.000076	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1254	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	0.00014	0.000051	0.0001	0.0003	0.00018	0.000096	
Aroclor® 1260	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	0.00015	0.000050	0.0001	0.0003	0.00018	0.000096	
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0028	0.0040	
1,2-Dichlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.00096	0.01113	0.0095	0.0019	
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.001	0.0093	0.0018	
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.001	0.0093	0.0018	
2,4,5-Trichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0054	0.0045	
2,4,6-Trichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0054	0.0045	
2,4-Dichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0054	0.0045	
2,4-Dimethylphenol	mg/L	12	6	50.0%	6	5	83.3%	0.001	0.8	0.13	0.33	0.00096	0.01	0.0055	0.0049	
2,4-Dinitrophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	6.7E-11	0.00096	0.01	0.0055	0.0049	
2,4-Dinitrotoluene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052	
2-Chloronaphthalene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052	
2-Chlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052	
2-Methyl-4,6-dinitrophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	6.7E-11	0.00096	0.01	0.0055	0.0052	
2-Methylnaphthalene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052	
2-Methylphenol	mg/L	13	6	46.2%	6	5	83.3%	0.001	0.3	0.051	0.12	0.00096	0.01	0.0061	0.0048	
2-Nitroaniline	mg/L	7	1	14.3%	3	0	0.0%	0.002	0.002	0.0020	0	0.00096	0.01	0.0060	0.0046	
2-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0062	0.0045	
3,3'-Dichlorobenzidine	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0064	0.0049	

Detection frequency of chemicals by sampling technique at Well CG-1-D

Chemical	Pre and Micropurge						Pre-Micropurge						Micropurge					
	Units	No. of results	No. of detections	No. of results	No. of detections	No. of results	Average	Max	Min	Std. Dev.	No. of results	No. of detections	No. of results	No. of detections	Average	Max	Min	Std. Dev.
3-Nitroaniline	mg/L	7	1	14.3%	3	0	0.005	0.005	0.000	6.7E-11	4	1	25.0%	0.0048	0.01	0.0048	0.0075	
4-Bromophenyl-phenyl ether	mg/L	8	1	12.5%	3	0	0.001	0.001	0.000	0	5	1	20.0%	0.00096	0.01	0.00096	0.0064	
4-Chloro-3-methylphenol	mg/L	9	3	33.3%	3	2	66.7%	0.002	0.002	0	6	1	16.7%	0.00019	0.01	0.00019	0.0065	
4-Chloroaniline	mg/L	7	1	14.3%	3	0	0.0%	0.002	0.002	0	4	1	25.0%	0.00019	0.01	0.00019	0.0060	
4-Chlorophenyl-phenyl ether	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.00096	0.01	0.00096	0.0064	
4-Methylphenol	mg/L	11	6	54.5%	6	5	83.3%	0.001	1.3	0.53	5	1	20.0%	0.00096	0.01	0.00096	0.0049	
4-Nitroaniline	mg/L	7	1	14.3%	3	0	0.0%	0.005	0.005	6.7E-11	4	1	25.0%	0.0048	0.01	0.0048	0.0075	
4-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.001	0	6	1	16.7%	0.00096	0.025	0.00096	0.0085	
Acenaphthene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0044	
Acenaphthylene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0044	
Aniline	mg/L	7	1	14.3%	3	0	0.0%	0.005	0.005	6.7E-11	4	1	25.0%	0.0048	0.01	0.0048	0.0075	
Anthracene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0051	
Azobenzene	mg/L	5	1	20.0%	3	0	0.0%	0.001	0.001	0	2	1	50.0%	0.00096	0.001	0.00096	0.0028	
Benz[a]anthracene	mg/L	7	1	14.3%	3	0	0.0%	0.002	0.002	0	4	1	25.0%	0.0001	0.01	0.0001	0.0044	
Benzidine	mg/L	6	1	16.7%	3	0	0.0%	0.001	0.001	0	3	1	33.3%	0.00096	0.01	0.00096	0.0062	
Benzofluoranthene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Benzofluoranthene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Benzofluoranthene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Benzofluoranthene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Benzofluoranthene	mg/L	7	3	42.9%	3	2	66.7%	0.005	0.005	6.7E-11	4	1	25.0%	0.0048	0.02	0.0048	0.0071	
Benzyl alcohol	mg/L	8	1	12.5%	3	0	0.0%	0.002	0.002	0	5	1	20.0%	0.0019	0.01	0.0019	0.0044	
bis[2-chloroethoxy]methane	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.00096	0.01	0.00096	0.0064	
bis[2-chloroethyl]ether	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.00096	0.01	0.00096	0.0064	
Bis[2-chloroisopropyl]ether	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0064	
bis[2-Ethylhexyl]phthalate	mg/L	7	2	28.6%	3	0	0.0%	0.002	0.002	0	4	2	50.0%	0.00177	0.05	0.00177	0.023	
Butylbenzyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.001	0	2	0	0.0%	0.01	0.01	0.01	0	
Chrysenes	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0051	
Dibenz[a,h]anthracene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Dibenzofuran	mg/L	7	1	14.3%	3	0	0.0%	0.005	0.005	6.7E-11	4	1	25.0%	0.0048	0.01	0.0048	0.0029	
Dimethyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0055	
Dimethyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Di-n-butyl phthalate	mg/L	7	3	42.9%	3	1	33.3%	0.001	0.0025	0.00087	4	2	50.0%	0.00096	0.01	0.00096	0.0043	
Di-n-octyl phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Fluoranthene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0051	
Fluorene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0051	
Hexachlorobenzene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Hexachlorobutadiene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0040	
Hexachlorocyclopentadiene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0055	
Hexachloroethane	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Indeno[1,2,3-cd]pyrene	mg/L	7	2	28.6%	3	1	33.3%	0.001	0.0012	0.00012	4	1	25.0%	0.0001	0.01	0.0001	0.0047	
Isophorone	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
Methylphenol	mg/L	1	0	0.0%	5	0	0.0%	0.001	0.005	0.0022	1	0	0.0%	0.005	0.005	0.005	na	
Naphthalene	mg/L	13	3	23.1%	3	0	0.0%	0.001	0.001	0	8	3	37.5%	0.0001	0.008	0.0001	0.0028	
Nitrobenzene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0052	
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0	4	1	25.0%	0.00096	0.01	0.00096	0.0055	
N-nitrosodiphenylamine	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.00096	0.01	0.00096	0.0049	
Pentachlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.005	0.005	6.7E-11	6	1	16.7%	0.0048	0.01	0.0048	0.0026	
Phenanthrene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0051	
Phenol	mg/L	13	6	46.2%	6	5	83.3%	0.001	0.19	0.077	7	1	14.3%	0.0096	0.01	0.0096	0.0045	
Pyrene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0	5	1	20.0%	0.0001	0.01	0.0001	0.0044	
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	5	0	0.0%	0.0005	0.001	0.0005	0.0060	
1,1,1-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.003	0.003	1.3E-11	8	1	12.5%	0.0005	0.12	0.0005	0.016	
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.003	0.003	3.7E-11	7	1	14.3%	0.0005	0.0038	0.0005	0.0019	

Detection frequency of chemicals by sampling technique at Well CG-1-D

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detections	Detection frequency	No. of results	No. of detections	Detection frequency	Average	Std. Dev.	No. of results	No. of detections	Detection frequency	Min	Max	Average	Std. Dev.
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	1.3E-11	8	1	12.5%	0.002	0.001	0.00071	0.00041
1,1-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010	8	2	25.0%	0.005	0.0045	0.0014	0.0013
1,1-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010	8	2	25.0%	0.002	0.0027	0.00096	0.00079
1,1-Dichloropropene	mg/L	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.002	0.001	0.00064	0.00039
1,2-Dichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.002	0.001	0.00064	0.00039
1,2-Dichloropropane	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	12.5%	0.005	0.01	0.0083	0.0024
2-Butanone	mg/L	13	1	7.7%	1	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.01	0.0083	0.0024
2-Chloroethylvinyl ether	mg/L	1	0	0.0%												
2-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.0%	0.005	0.0050	8	1	12.5%	0.005	0.01	0.0083	0.0024
2-Hexanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	12.5%	0.005	0.01	0.0083	0.0024
4-Chlorotoluene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	12.5%	0.005	0.01	0.0083	0.0024
Acetone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.0050	8	1	12.5%	0.005	0.01	0.0083	0.0024
Benzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.012	0.00096	0.00020
Bromobenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.002	0.001	0.00064	0.00039
Bromoform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.0012	0.00096	0.00020
Bromomethane	mg/L	13	2	15.4%	5	1	20.0%	0.0019	0.0040	8	1	12.5%	0.005	0.0015	0.0014	0.0014
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.001	0.01	0.0022	0.0032
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.001	0.001	0.00064	0.00039
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.0012	0.00096	0.00020
Chloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.001	0.0012	0.0010	0.000671
Chloroform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.0012	0.00096	0.00020
Chloromethane	mg/L	13	2	15.4%	5	1	20.0%	0.0023	0.0058	8	1	12.5%	0.001	0.005	0.0035	0.0020
cis-1,2-Dichloroethane	mg/L	13	3	23.1%	5	1	20.0%	0.0028	0.0057	8	2	25.0%	0.005	0.013	0.0024	0.0043
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.002	0.001	0.00096	0.00020
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.002	0.001	0.00071	0.00041
Dibromomethane	mg/L	13	0	0.0%						3	0	0.0%	0.005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.001	0.0015	0.0014	0.0014
Ethylbenzene	mg/L	13	3	23.1%	5	1	20.0%	0.0016	0.0027	8	2	25.0%	0.005	0.081	0.011	0.028
Isopropylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	10	3	30.0%	3	1	33.3%	0.00121	0.0012	7	2	28.6%	0.001	0.04	0.0072	0.014
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	na	8	1	12.5%	0.005	0.0062	0.0052	0.00042
Methylene chloride	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.029	2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0010	7	2	28.6%	0.001	0.014	0.0029	0.0049
para-Xylene	mg/L	2	1	50.0%	2	1	50.0%	0.0039	0.0025	8	1	12.5%	0.005	0.0062	0.0052	0.00042
sec-Butylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.001	0.0012	0.00096	0.00020
tert-Butylbenzene	mg/L	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010	8	2	25.0%	0.002	0.0031	0.0010	0.00092
Toluene	mg/L	13	3	23.1%	5	1	20.0%	0.00432	0.0025	8	2	25.0%	0.005	0.072	0.010	0.025
trans-1,2-Dichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.0010	8	1	12.5%	0.005	0.0012	0.00096	0.00020

Detection frequency of chemicals by sampling technique at Well CG-1-D

Chemical	Units	Pre and Micropurge					Micropurge												
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.			
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.001	0.001	1.3E-11	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Trichloroethene	mg/L	13	5	38.5%	5	1	20.0%	0.002	0.002	0.00211	0.0020	0.000049	8	4	50.0%	0.00061	0.0041	0.0017	0.0012
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.002	0.0012	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.001	0.001	0.0010	1.3E-11	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0012	0.00096	0.00020
Xylene isomers (total)	mg/L	13	4	30.8%	5	2	40.0%	0.002	0.002	0.0049	0.0028	0.0012	8	2	25.0%	0.001	0.054	0.0089	0.018

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-11-I

Chemical	Units	Pre and Micropurge					Micropurge				
		No. of results	No. of detects	No. of results	No. of detects	Average	Std. Dev.	No. of results	No. of detects	Average	Std. Dev.
<b>Field Parameters</b>											
Conductivity	µS/cm	16	100.0%	6	6	686	168	10	10	3710	9240
Dissolved oxygen, wt/vol	mg/L	15	100.0%	5	5	1.41	1.45	10	10	3.55	3.43
Flow	mL/min	15	100.0%	5	5	629	203	10	10	235	56.8
Frequency	Hz	10	100.0%					10	10	109	52.9
Oxidation Reduction Potential	mV	16	100.0%	6	6	-107	141	10	10	675	104
pH	pH	16	100.0%	6	6	7.25	0.39	10	10	7.21	0.39
Temperature	degF	16	100.0%	6	6	63.0	6.58	10	10	57.8	2.42
Turbidity	NTU	16	100.0%	6	6	4.64	2.51	10	10	68.8	115
Volume Removed	L	15	100.0%	5	5	15.3	6.42	10	10	4.66	2.04
<b>Conventional Water Quality Parameters</b>											
Methane	mg/L	1	100.0%					1	1	28.4	na
<b>Hydrocarbons</b>											
Diesel Range Hydrocarbons	mg/L	4	75.0%	3	3	0.294	0.147	4	3	0.24	0.062
Gasoline Range Organics	mg/L	4	25.0%	4	1	0.050	0.05	4	1	0.50	0
Lube oil	mg/L	4	25.0%	4	1	0.050	0.05	4	1	0.50	0
Ethane	mg/L	1	0.0%	1	0	0.010	0.01	1	0	0.010	na
Ethene	mg/L	1	0.0%	1	0	0.010	0.01	1	0	0.010	na
<b>Metals</b>											
Arsenic	mg/L	7	28.6%	3	0	0.010	1.3E-10	4	2	0.0032	0.0045
Barium	mg/L	6	0.0%	3	0	0.20	0	3	0	0.14	0.11
Cadmium	mg/L	6	0.0%	3	0	0.0050	6.7E-11	3	0	0.0037	0.0023
Chromium	mg/L	6	33.3%	3	0	0.010	1.3E-10	3	2	0.0165	0.0033
Copper	mg/L	6	16.7%	3	0	0.025	0	3	1	0.025	0.0062
Cyanide	mg/L	4	25.0%					4	1	0.010	0
Lead	mg/L	7	28.6%	3	0	0.0030	6.7E-11	4	2	0.0021	0.0011
Mercury	mg/L	3	0.0%	3	0	0.0080	0.0010	4	2	0.0032	0.0011
Nickel	mg/L	6	16.7%	3	0	0.040	5.4E-10	3	1	0.044	0.028
Selenium	mg/L	6	0.0%	3	0	0.0050	6.7E-11	3	0	0.0037	0.0023
Silver	mg/L	6	16.7%	3	0	0.010	1.3E-10	3	1	0.0070	0.0052
Zinc	mg/L	6	16.7%	3	0	0.020	2.7E-10	3	1	0.017	0.0058
<b>Polychlorinated Biphenyls</b>											
Aroclor® 1016	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1221	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1232	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1242	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1248	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1254	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
Aroclor® 1260	mg/L	7	0.0%	3	0	0.0023	0.00012	4	0	0.0003	0.00096
<b>Semivolatile Organic Compounds</b>											
1,2,4-Trichlorobenzene	mg/L	8	12.5%	3	1	0.0010	0	5	0	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	15.4%	5	1	0.0010	1.3E-11	8	1	0.0093	0.00018
1,3-Dichlorobenzene	mg/L	13	15.4%	5	1	0.0010	1.3E-11	8	1	0.0093	0.00018
1,4-Dichlorobenzene	mg/L	13	15.4%	5	1	0.0010	1.3E-11	8	1	0.0093	0.00018
2,4,5-Trichlorophenol	mg/L	8	37.5%	3	2	0.0010	0	5	1	0.0054	0.0045
2,4,6-Trichlorophenol	mg/L	8	37.5%	3	2	0.0010	0	5	1	0.0054	0.0045
2,4-Dichlorophenol	mg/L	8	37.5%	3	2	0.0010	0	5	1	0.0054	0.0045
2,4-Dimethylphenol	mg/L	12	41.7%	6	4	0.0014	0.00094	5	1	0.0055	0.0049
2,4-Dinitrophenol	mg/L	8	37.5%	3	2	0.0010	6.7E-11	5	1	0.0055	0.0052
2,4-Dinitrotoluene	mg/L	7	14.3%	3	1	0.0010	0	4	0	0.0055	0.0052
2,6-Dinitrotoluene	mg/L	7	14.3%	3	1	0.0010	0	4	0	0.0055	0.0052
2-Chloronaphthalene	mg/L	9	33.3%	3	2	0.0010	0	6	1	0.0062	0.0045
2-Chlorophenol	mg/L	8	37.5%	3	2	0.0050	6.7E-11	5	1	0.0080	0.0028
2-Methyl-4,6-dinitrophenol	mg/L	8	37.5%	3	2	0.0010	0	5	1	0.0055	0.0045
2-Methylnaphthalene	mg/L	7	14.3%	3	1	0.0010	0	4	0	0.0055	0.0052

Detection frequency of chemicals by sampling technique at Well CG-1-I

Chemical	Units	Pre and Micropurge				Micropurge										
		No. of results	No. of detects	No. of frequency	No. of detects	No. of results	No. of detects	No. of frequency	No. of detects							
2-Methylphenol	mg/L	13	5	38.5%	6	4	66.7%	0.001	0.0010	0.0020	0	0	0.0%	0.0019	0.0061	0.0048
2-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.002	0.0020	0.0020	0	0	0.0%	0.0019	0.0060	0.0046
2-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.0010	0.0010	0	6	16.7%	0.00095	0.0062	0.0045
3,3-Dichlorobenzidine	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0064	0.0049
3-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.0050	0.0050	6.7E-11	4	0.0%	0.0048	0.0075	0.0029
4-Bromophenyl-phenyl ether	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0064	0.0049
4-Chloro-3-methylphenol	mg/L	9	3	33.3%	3	2	66.7%	0.002	0.0020	0.0020	0	6	16.7%	0.0019	0.0065	0.0040
4-Chloroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.002	0.0020	0.0020	0	4	0.0%	0.0019	0.0060	0.0046
4-Chlorophenyl-phenyl ether	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0064	0.0049
4-Methylphenol	mg/L	11	5	45.5%	6	4	66.7%	0.001	0.0010	0.0010	0.0023	5	1	20.0%	0.0046	0.0049
4-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.0050	0.0050	6.7E-11	4	0.0%	0.0048	0.0075	0.0029
4-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.0010	0.0010	0	5	1	16.7%	0.00095	0.0068
Acenaphthene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	6	0.0%	0.0001	0.0044	0.0051
Acenaphthylene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051
Aniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.0050	0.0050	6.7E-11	4	0.0%	0.0048	0.0075	0.0029
Anthracene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051
Azobenzene	mg/L	5	1	20.0%	3	1	33.3%	0.001	0.0010	0.0010	0	2	0.0%	0.00095	0.00098	0.00035
Benz[a]anthracene	mg/L	7	1	14.3%	3	1	33.3%	0.002	0.0020	0.0020	0	3	0.0%	0.0001	0.0035	0.0044
Benzidine	mg/L	6	1	16.7%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0040	0.0052
Benzofluoranthene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.0001	0.0030	0.0047
Benzoic acid	mg/L	7	3	42.9%	3	2	66.7%	0.005	0.0050	0.0050	6.7E-11	4	1	25.0%	0.0048	0.0071
Benzyl alcohol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0019	0.0068	0.0044
bis[2-chloroethoxy]methane	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0064	0.0049
bis[2-chloroethyl]ether	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0064	0.0049
Bis[2-chloroisopropyl]ether	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0064	0.0049
Bis[2-Ethylhexyl]phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.002	0.0020	0.0020	0	4	1	25.0%	0.015	0.0052
Butylbenzyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Carbazole	mg/L	2	0	0.0%	3	1	33.3%	0.001	0.0010	0.0010	0	2	0.0%	0.01	0.010	0
Chrysene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051
Dibenz[a,h]anthracene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.0001	0.0030	0.0047
Dibenzofuran	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.0050	0.0050	6.7E-11	4	0.0%	0.0048	0.0075	0.0029
Diethyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Dimethyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Di-n-butyl phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.001	0.0010	0.0010	0	4	1	25.0%	0.0034	0.0044
Di-n-octyl phthalate	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0.0017	4	0	0.0%	0.0055	0.0052
Fluoranthene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Fluorene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051
Hexachlorobenzene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Hexachlorobutadiene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0055	0.0052
Hexachlorocyclopentadiene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Hexachloroethane	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Indeno[1,2,3-cd]pyrene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Isophorone	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
Methylphenol	mg/L	1	0	0.0%	5	1	20.0%	0.001	0.0010	0.0010	0.0022	1	0	0.0%	0.0050	na
Napthalene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.0010	0.0010	0	8	1	12.5%	0.0015	0.0015
Nitrobenzene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
N-nitroso-di-n-propylamine	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0010	0.0010	0	4	0.0%	0.00095	0.0055	0.0052
N-nitrosodiphenylamine	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.00095	0.0055	0.0052
Pentachlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.005	0.0050	0.0050	6.7E-11	6	1	16.7%	0.0048	0.0083
Phenanthrene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051
Phenol	mg/L	13	5	38.5%	6	4	66.7%	0.001	0.0010	0.0010	1.5E-11	7	1	14.3%	0.0054	0.0045
Pyrene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	0.0010	0	5	0.0%	0.0001	0.0044	0.0051

Detection frequency of chemicals by sampling technique at Well CG-1-I

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.001	0.0064	0.0022	0.0024	5	0	0.0%	0.0005	0.001	0.00090	0.00022
1,1,1-Trichloroethane	mg/L	13	3	23.1%	5	2	40.0%	0.001	0.0064	0.0022	0.0024	8	1	12.5%	0.0005	0.001	0.00090	0.0011
1,1,2-Trichloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.002	0.003	0.0028	0.0045	7	1	14.3%	0.0005	0.001	0.00090	0.0025
1,1,2,2-Tetrachloroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.001	0.00074	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00074	0.00037
1,1,2-Trichloroethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.003	0.0014	0.00089	8	2	25.0%	0.001	0.002	0.0012	0.00053
1,1-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.001	0.00069	0.00036
1,1-Dichloroethene	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,1-Dichloropropene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.0089	0.0026	0.0035	8	1	12.5%	0.0002	0.001	0.00068	0.00037
1,2-Dichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00068	0.00037
1,2-Dichloropropane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,3,5-Trimethylbenzene	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.012	0.0090	0.0026
2-Butanone	mg/L	1	0	0.0%	5	0	0.0%	0.005	0.005	0.0050	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.012	0.0090	0.0026
2-Hexanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	1	12.5%	0.005	0.012	0.0090	0.0026
4-Chlorotoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	3	23.1%	5	1	20.0%	0.005	0.029	0.0098	0.011	8	1	12.5%	0.005	0.012	0.0084	0.0029
Acetone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	8	3	37.5%	0.005	0.12	0.023	0.039
Benzene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.039	0.0086	0.017	8	1	12.5%	0.0005	0.0025	0.0011	0.00058
Bromobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.002	0.001	0.00068	0.00037
Bromoform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0025	0.0011	0.00058
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.005	0.0017	0.0014
Carbon disulfide	mg/L	13	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	0	0.0%	0.001	0.01	0.0029	0.0033
Carbon tetrachloride	mg/L	13	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	0	0.0%	0.001	0.01	0.0029	0.0033
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0025	0.0011	0.00058
Chloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.0025	0.0012	0.00053
Chloroform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0025	0.0011	0.00058
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.005	0.0037	0.0019
cis-1,2-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.102	0.026	0.034
cis-1,3-Dichloropropene	mg/L	13	9	69.2%	5	2	40.0%	0.001	0.054	0.012	0.024	8	7	87.5%	0.001	0.025	0.011	0.00058
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0002	0.001	0.00074	0.00037
Dibromomethane	mg/L	3	0	0.0%								3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00083	0.00029
Ethylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.001	0.005	0.0017	0.0014
Isopropylbenzene	mg/L	11	5	45.5%	4	2	50.0%	0.001	0.071	0.019	0.035	8	3	37.5%	0.0005	0.013	0.0035	0.0049
meta & para Xylenes	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0
meta-Xylene	mg/L	13	2	15.4%	5	1	20.0%	0.005	0.24	0.056	0.10	2	0	0.0%	0.001	0.001	0.0010	0
Methylene chloride	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%	5	2	40.0%	0.001	0.016	0.0045	0.0065	7	3	42.9%	0.001	0.0094	0.0028	0.0033
n-Propylbenzene	mg/L	12	5	41.7%	1	1	100.0%	0.0043	0.0043	0.0043	na	2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.0043	0.0043	0.0043	na	2	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0025	0.0011	0.00058
Styrene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.0025	0.0011	0.00058

Detection frequency of chemicals by sampling technique at Well CG-1-I

Chemical	Units	Pre and Micropurge				Micropurge				
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	
tert-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.0010	0.0010	0
Tetrachloroethene	mg/L	13	1	7.7%	5	3	60.0%	0.0010	0.00068	0.00037
Toluene	mg/L	13	8	61.5%	5	3	60.0%	0.053	0.097	0.036
trans-1,2-Dichloroethene	mg/L	13	6	46.2%	5	0	0.0%	0.0010	0.0023	0.012
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.0010	0.001	0.017
Trichloroethene	mg/L	13	6	46.2%	5	0	0.0%	0.0020	0.0005	0.00058
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.0010	0.001	0.048
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.0010	0.001	0.00059
Vinyl chloride	mg/L	13	6	46.2%	5	0	0.0%	0.0010	0.001	0.0020
Xylene isomers (total)	mg/L	13	6	46.2%	5	3	60.0%	0.020	0.087	0.0076
								0.037	0.011	0.016

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-1-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	216	703	413	178	14400	1770	4440	
Dissolved oxygen, w/vol	mg/L	16	16	100.0%	6	6	100.0%	0	4.42	2.18	1.81	93	11.7	28.6	
Flow	mL/min	15	15	100.0%	5	5	100.0%	400	694	567	107	305	264	47.5	
Frequency	Hz	10	10	100.0%								71	65.4	4.16	
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	-291	58.2	-72.7	132	108	3.46	62.0	
pH	pH	16	16	100.0%	6	6	100.0%	5.59	6.73	6.09	0.38	10	6.40	0.27	
Temperature	degF	16	16	100.0%	6	6	100.0%	58.5	83.8	66.8	9.00	10	63.7	3.71	
Turbidity	NTU	16	16	100.0%	6	6	100.0%	3.09	11.6	7.76	3.25	10	7.21	10.7	
Volume Removed	L	15	15	100.0%	5	5	100.0%	3	11.3	6.12	3.38	10	2.77	0.92	
<b>Conventional Water Quality Parameters</b>															
Methane	mg/L	1	1	100.0%								2.97	2.97	na	
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								0.25	3.15	1.21	
Gasoline Range Organics	mg/L	4	4	100.0%								0.25	90.8	39.6	
Lube oil	mg/L	4	2	50.0%								0.162	0.5	0.42	
Ethane	mg/L	1	0	0.0%								0.01	0.010	na	
Ethene	mg/L	1	1	100.0%								0.0102	0.0102	na	
<b>Metals</b>															
Arsenic	mg/L	7	4	57.1%	3	1	33.3%	0.01	0.012	0.011	0.0012	0.0032	0.0051	0.0032	
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	0.20	0	0.01	0.14	0.11	
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.0037	0.0023	
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.00446	0.001	0.0082	
Copper	mg/L	6	3	50.0%	3	1	33.3%	0.025	0.036	0.029	0.0064	0.00259	0.036	0.040	
Cyanide	mg/L	4	1	25.0%								0.01	0.010	0	
Lead	mg/L	7	6	85.7%	3	2	66.7%	0.003	0.0034	0.0031	0.00023	0.0011	0.010	0.0012	
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.002	0.002	0.00080	0.0010	0.00347	0.028	0.021	
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	0.001	0.0037	0.0023	
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.001	0.001	0.0032	
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.001	0.0052	
Zinc	mg/L	6	1	16.7%	3	1	33.3%	0.02	0.03	0.023	0.0058	0.01	0.017	0.0058	
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0003	0.00013	0.00014	0.0001	0.0020	0.00012	
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0003	0.00013	0.00014	0.0001	0.0020	0.00012	
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0003	0.00013	0.00014	0.0001	0.0020	0.00012	
Aroclor® 1242	mg/L	7	3	42.9%	3	2	66.7%	0.0003	0.0039	0.0023	0.0018	0.0001	0.0091	0.018	
Aroclor® 1248	mg/L	7	1	14.3%	3	1	33.3%	0.0005	0.00081	0.00039	0.00039	0.0001	0.0020	0.00012	
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0003	0.00013	0.00014	0.0001	0.0020	0.00012	
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0003	0.00013	0.00014	0.0001	0.0020	0.00012	
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0028	
1,2-Dichlorobenzene	mg/L	13	10	76.9%	5	3	60.0%	0.001	0.05	0.016	0.020	0.001	0.11	0.028	
1,3-Dichlorobenzene	mg/L	13	5	38.5%	5	1	20.0%	0.001	0.05	0.012	0.021	0.00035	0.00097	0.00061	
1,4-Dichlorobenzene	mg/L	13	8	46.2%	5	1	20.0%	0.001	0.05	0.011	0.022	0.00096	0.0017	0.0010	
2,4,5-Trichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.0064	0.0049	
2,4,6-Trichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.0064	0.0049	
2,4-Dichlorophenol	mg/L	8	3	37.5%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.0064	0.0049	
2,4-Dimethylphenol	mg/L	12	12	100.0%	6	6	100.0%	0.001	0.001	0.0010	0.10	0.001	0.0064	0.0049	
2,4-Dinitrophenol	mg/L	8	4	50.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	0.0048	0.021	0.019	
2,4-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0051	0.0024	0.0024	0.00096	0.01	0.0055	
2,6-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0051	0.0024	0.0024	0.00096	0.01	0.0055	
2-Chloronaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	
2-Chlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0070	
2-Methyl-4,6-dinitrophenol	mg/L	8	3	37.5%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	0.0048	0.021	0.019	
2-Methylnaphthalene	mg/L	7	7	100.0%	3	3	100.0%	0.009	0.04	0.023	0.016	0.00289	0.0103	0.0054	

Detection frequency of chemicals by sampling technique at Well CG-1-S1

Chemical	Pre and Microbudge						Pre-Microbudge						Microbudge					
	Units	No. of results	No. of detection	No. of results	No. of detection	No. of results	Min	Max	Average	Std. Dev.	No. of results	No. of detection	Min	Max	Average	Std. Dev.		
2-Methylphenol	mg/L	13	12	92.3%	6	5	83.3%	0.001	0.066	0.025	0.029	0.0336	0.0536	0.041	0.0075			
2-Nitroaniline	mg/L	7	2	28.6%	3	2	66.7%	0.002	0.019	0.0082	0.0084	0.0019	0.01	0.0060	0.0046			
2-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.001	0.0010	0	0.00096	0.01	0.0070	0.0047			
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0064	0.0049			
3-Nitroaniline	mg/L	7	1	14.3%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.0048	0.01	0.0062	0.0025			
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0064	0.0049			
4-Chloro-3-methylphenol	mg/L	9	3	33.3%	3	2	66.7%	0.002	0.002	0.0020	0	0.0019	0.01	0.0073	0.0042			
4-Chloroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	0.0019	0.01	0.0060	0.0046			
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0064	0.0049			
4-Methylphenol	mg/L	11	10	90.9%	6	5	83.3%	0.001	0.067	0.024	0.028	0.0349	0.071	0.052	0.015			
4-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.0058	0.0053	0.00046	0.0048	0.01	0.0075	0.0029			
4-Nitrophenol	mg/L	9	5	55.6%	3	3	100.0%	0.001	0.0011	0.0010	0.000058	0.00096	0.05	0.013	0.018			
Acenaphthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	0	0.00096	0.01	0.0046	0.0049			
Aniline	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0075	0.0029			
Anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Benz[a]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	0.001	0.01	0.0037	0.0042			
Benzidine	mg/L	6	1	16.7%	3	1	33.3%	0.001	0.088	0.030	0.050	0.00096	0.01	0.0040	0.0052			
Benz[a]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0045			
Benz[b]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0045			
Benz[g]hperylene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0045			
Benz[k]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0045			
Benzoic acid	mg/L	7	4	57.1%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	0.0048	0.037	0.014	0.015			
Benzyl alcohol	mg/L	8	1	12.5%	3	0	0.0%	0.002	0.002	0.0020	0	0.0019	0.01	0.0059	0.0040			
bis[2-chloroethoxy]methane	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0047	0.0049			
bis[2-chloroethyl]ether	mg/L	8	2	25.0%	3	1	33.3%	0.001	0.0016	0.0012	0.00035	0.00096	0.01	0.0055	0.0045			
Bis[2-Ethylhexyl]phthalate	mg/L	7	3	42.9%	3	2	66.7%	0.002	0.048	0.017	0.027	0.00096	0.01	0.0055	0.0052			
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.010	0			
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0046			
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.0048	0.01	0.0075	0.0029			
Diethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Di-n-butyl phthalate	mg/L	7	3	42.9%	3	1	33.3%	0.001	0.0037	0.0019	0.0016	0.0011	0.01	0.0057	0.0050			
Di-n-octyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Fluoranthene	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.0013	0.0011	0.00017	0.00096	0.01	0.0046	0.0049			
Fluorene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0028	0.0040			
Hexachlorocyclopentadiene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.0115	0.0059	0.0057			
Hexachloroethane	mg/L	7	2	28.6%	3	1	33.3%	0.001	0.0015	0.0012	0.00029	0.00096	0.01	0.0051	0.0048			
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0032	0.0046			
Isophorone	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0055	0.0052			
Methylphenol	mg/L	1	1	100.0%	5	4	80.0%	0.0505	0.25	0.12	0.088	0.0667	0.0667	0.067	na			
Naphthalene	mg/L	13	12	92.3%	3	1	33.3%	0.001	0.022	0.0080	0.012	0.0096	0.01	0.0033	0.0045			
Nitrobenzene	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0036	0.0043			
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0064	0.0049			
N-nitrosodiphenylamine	mg/L	9	5	55.6%	3	3	100.0%	0.005	0.014	0.0089	0.0046	0.00324	0.02	0.0088	0.0062			
Pentachlorophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Phenanthrene	mg/L	8	0	0.0%	6	6	100.0%	0.001	0.32	0.090	0.13	0.00096	0.01	0.044	0.041			
Phenol	mg/L	13	13	100.0%	6	6	100.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			
Pyrene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	0.00096	0.01	0.0046	0.0049			

Detection frequency of chemicals by sampling technique at Well CG-1-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	5	100.0%	0.66	2.84	1.62	0.80	5	0	0.0%	0.0005	0.001	0.00090	0.00022
1,1,1-Trichloroethane	mg/L	13	13	100.0%	5	0	0.0%	0.002	0.15	0.069	0.074	8	8	100.0%	0.3	2.1	0.94	0.56
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.005	0.05	0.050	na	7	1	14.3%	0.0005	0.15	0.023	0.056
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	2	50.0%	1	0	0.0%	0.01	0.05	0.050	na	3	2	66.7%	0.002	0.116	0.061	0.057
1,1,2-Trichloroethane	mg/L	13	5	38.5%	5	3	60.0%	0.031	0.0529	0.031	0.020	8	2	25.0%	0.0002	0.01	0.0021	0.0033
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.53	1.24	0.95	0.27	8	8	100.0%	0.383	1.1	0.70	0.31
1,1-Dichloroethane	mg/L	13	12	92.3%	5	4	80.0%	0.035	0.0614	0.049	0.0095	8	8	100.0%	0.00911	0.1	0.028	0.030
1,1-Dichloropropene	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%								3	3	100.0%	0.446	0.639	0.54	0.097
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%								3	1	33.3%	0.000222	0.005	0.0021	0.0026
1,2-Dichloroethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.076	0.74	0.43	0.27	8	8	100.0%	0.00967	0.45	0.092	0.15
1,2-Dichloropropane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.05	0.023	0.025	8	3	37.5%	0.0002	0.01	0.0018	0.0033
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.165	0.736	0.45	0.40
1,3-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.25	0.12	0.12	8	2	25.0%	0.005	0.25	0.046	0.085
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.05	0.05	0.050	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.0%	0.005	0.25	0.12	0.12	8	2	25.0%	0.00427	0.25	0.038	0.086
2-Hexanone	mg/L	13	2	15.4%								2	1	50.0%	0.000244	0.001	0.00062	0.00053
4-Chlorotoluene	mg/L	2	1	50.0%								2	2	100.0%	0.0238	0.0311	0.027	0.0052
4-Isopropyltoluene	mg/L	2	2	100.0%								8	7	87.5%	0.0288	0.25	0.12	0.067
4-Methyl-2-pentanone	mg/L	13	10	76.9%	5	3	60.0%	0.05	0.58	0.33	0.22	8	4	50.0%	0.0083	0.46	0.076	0.16
Acetone	mg/L	13	7	53.8%	5	3	60.0%	0.05	1.8	0.47	0.75	8	4	50.0%	0.001	0.11	0.030	0.039
Benzene	mg/L	13	11	84.6%	5	5	100.0%	0.032	0.119	0.070	0.033	8	6	75.0%	0.000386	0.001	0.00069	0.00043
Bromobenzene	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.0002	0.01	0.0019	0.0033
Bromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.0005	0.05	0.0071	0.017
Bromoforn	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.001	0.05	0.0076	0.017
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	2	25.0%	0.00464	0.05	0.0082	0.017
Carbon disulfide	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.0002	0.35	0.046	0.12
Carbon tetrachloride	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.53	0.13	0.23	8	5	62.5%	0.001	0.05	0.014	0.018
Chlorobenzene	mg/L	13	6	46.2%	5	1	20.0%	0.005	0.05	0.024	0.024	8	8	100.0%	0.001	0.13	0.031	0.043
Chloroethane	mg/L	13	10	76.9%	5	4	80.0%	0.001	0.081	0.047	0.034	8	6	75.0%	0.001	0.11	0.030	0.039
Chloroform	mg/L	13	8	61.5%	5	4	80.0%	0.01	0.15	0.063	0.056	8	4	50.0%	0.000494	0.05	0.0098	0.017
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.001	0.05	0.0096	0.016
cis-1,2-Dichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.001	0.01	0.003	0.003	8	8	100.0%	0.433	9.4	2.33	3.01
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	5	100.0%	1.3	36.7	18.3	15.2	8	8	100.0%	0.0005	0.05	0.0071	0.017
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.0002	0.01	0.0019	0.0033
Dibromomethane	mg/L	3	0	0.0%	5	0	0.0%	0.001	0.05	0.023	0.025	3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	13	100.0%	5	5	100.0%	0.42	4	1.73	1.50	8	8	100.0%	0.00043	0.05	0.0076	0.017
Ethylbenzene	mg/L	13	2	15.4%	5	5	100.0%	0.001	0.05	0.023	0.025	2	2	100.0%	1.32	3.63	2.32	0.90
Isopropylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.0542	0.056	0.055	0.0013
meta & para Xylenes	mg/L	11	11	100.0%	4	4	100.0%	0.73	6.61	3.24	2.61	7	7	100.0%	2.5	9.49	6.37	2.68
meta-Xylene	mg/L	13	8	61.5%	5	2	40.0%	0.04	0.25	0.16	0.11	8	6	75.0%	0.0058	0.25	0.044	0.084
n-Butylbenzene	mg/L	2	0	0.0%	1	0	0.0%	0.01	0.01	0.010	na	2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.0962	0.125	0.11	0.021
ortho-Xylene	mg/L	12	12	100.0%	5	5	100.0%	0.42	3.3	1.51	1.21	7	7	100.0%	1.01	2.82	1.83	0.62
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	17	17	17.0	na	1	1	100.0%	0.001	0.0115	0.0063	0.0074
sec-Butylbenzene	mg/L	2	1	50.0%	5	0	0.0%	0.001	0.05	0.023	0.025	8	2	25.0%	0.0006	0.055	0.014	0.024
Styrene	mg/L	13	2	15.4%								2	2	100.0%	0.006	0.055	0.014	0.024

Detection frequency of chemicals by sampling technique at Well CG-1-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
tert-Butylbenzene	mg/L	2	0	0.0%	5	2	40.0%	0.01	0.05	0.029	0.020	2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	8	61.5%	5	5	100.0%	1.5	39	22.1	14.6	8	6	75.0%	0.001	0.027	0.0072	0.0089
Toluene	mg/L	13	13	100.0%	5	2	40.0%	0.01	0.05	0.031	0.019	8	8	100.0%	0.2	29.3	17.2	10.0
trans-1,2-Dichloroethene	mg/L	13	8	61.5%	5	2	40.0%	0.01	0.05	0.031	0.019	8	6	75.0%	0.001	0.05	0.016	0.017
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.05	0.023	0.025	8	1	12.5%	0.0005	0.05	0.0071	0.017
Trichloroethene	mg/L	13	7	53.8%	5	3	60.0%	0.011	0.112	0.052	0.050	8	4	50.0%	0.001	0.1	0.017	0.034
Trichlorofluoromethane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.05	0.023	0.025	8	3	37.5%	0.00058	0.05	0.0071	0.017
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.05	0.023	0.025	6	1	16.7%	0.001	0.05	0.011	0.019
Vinyl chloride	mg/L	13	11	84.6%	5	4	80.0%	0.001	0.35	0.16	0.14	8	7	87.5%	0.0315	0.2	0.069	0.055
Xylene isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	1.15	20.3	7.50	7.73	8	8	100.0%	3.8	12.3	7.96	3.05

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-2-D

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	No. of results	No. of detects	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	13	100.0%	5	5	54.5	36700	20200	16200	8	8	28300	41600	33800	4890
Dissolved oxygen, wt/vol	mg/L	15	100.0%	5	5	2.3	7.87	4.74	2.40	10	10	0	47.7	7.23	14.4
Flow	mL/min	14	100.0%	4	4	407	779	536	168	10	10	132	310	218	46.9
Frequency	Hz	10	100.0%	5	5	-197	77	-21.2	109	10	10	98	173	126	21.2
Oxidation Reduction Potential	mV	15	100.0%	5	5	7.14	7.58	7.29	0.18	10	10	7	7.76	7.31	0.22
pH	pH	15	100.0%	5	5	56.9	60.1	57.9	1.37	10	10	53.1	60.9	56.4	2.50
Temperature	degF	15	100.0%	5	5	20.9	181	79.2	61.8	10	10	7.03	549	142	168
Turbidity	NTU	15	100.0%	5	5	13	22	17.0	3.88	10	10	2.05	4.46	3.35	0.76
Volume Removed	L	14	100.0%	4	4										
<b>Conventional Water Quality Parameters</b>															
Fluoride	mg/L	1	100.0%	1	1					1	1	20.8	20.8	20.8	na
Nitrite	mg/L	1	0.0%							1	0	0.01	0.01	0.010	na
Sulfate	mg/L	1	100.0%	1	1					1	1	1.14	1.14	1.14	na
Total chloride	mg/L	1	100.0%	1	1					1	1	11200	11200	11200	na
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	75.0%	3	3					4	3	0.968	0.273	0.22	0.081
Gasoline Range Organics	mg/L	4	25.0%	4	4					4	1	0.05	0.05	0.050	0
Lube oil	mg/L	4	25.0%	4	4					4	1	0.5	0.5	0.50	0
<b>Metals</b>															
Ferric Iron	mg/L	1	100.0%	1	1					1	1	4.85	4.85	4.85	na
Ferrous Iron	mg/L	1	0.0%							1	0	0.5	0.5	0.50	na
Antimony	mg/L	1	0.0%							1	0	0.06	0.06	0.060	na
Arsenic	mg/L	8	50.0%	3	0	0.01	0.01	0.010	1.3E-10	5	4	0.00108	0.01	0.0053	0.0043
Barium	mg/L	7	28.6%	3	0	0.2	0.2	0.20	0	4	2	0.149	0.2	0.19	0.025
Beryllium	mg/L	1	100.0%	1	1					1	1	0.000125	0.000125	0.00013	na
Cadmium	mg/L	7	0.0%	3	0	0.005	0.005	0.0050	6.7E-11	4	0	0.001	0.005	0.0040	0.0020
Calcium	mg/L	1	100.0%	1	1					1	1	79.1	79.1	79.1	na
Chromium	mg/L	6	83.3%	3	2	0.01	0.039	0.029	0.016	3	3	0.0497	0.117	0.083	0.034
Copper	mg/L	7	28.6%	3	0	0.025	0.025	0.025	0	4	2	0.025	0.0326	0.029	0.0041
Cyanide	mg/L	5	60.0%	3	0					5	3	0.01	0.902	0.19	0.40
Iron	mg/L	1	100.0%	1	1					1	1	11.9	11.9	11.9	na
Lead	mg/L	8	37.5%	3	1	0.003	0.0039	0.0033	0.00052	5	2	0.006	0.003	0.0022	0.0012
Magnesium	mg/L	1	100.0%	1	1					1	1	898	898	898	na
Manganese	mg/L	2	100.0%	2	2					2	2	0.323	0.326	0.32	0.0021
Mercury	mg/L	4	0.0%	3	0	0.002	0.002	0.0080	0.0010	1	0	0.0002	0.0002	0.00020	na
Nickel	mg/L	7	57.1%	3	1	0.04	0.0426	0.041	0.0015	4	3	0.04	0.111	0.066	0.032
Potassium	mg/L	1	100.0%	1	1					1	1	221	221	221	na
Selenium	mg/L	7	28.6%	3	0	0.005	0.005	0.0050	6.7E-11	4	2	0.005	0.00979	0.0062	0.0024
Silver	mg/L	7	0.0%	3	0	0.01	0.01	0.010	1.3E-10	4	0	0.001	0.01	0.0078	0.0045
Sodium	mg/L	1	100.0%	1	1					1	1	7410	7410	7410	na
Thallium	mg/L	1	100.0%	1	1					1	1	0.2	0.2	0.20	na
Zinc	mg/L	7	42.9%	3	1	0.02	0.0365	0.026	0.0095	4	2	0.02	0.9352	0.024	0.0074
<b>Polychlorinated Biphenyls</b>															
Aroclor®1016	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1221	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1232	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1242	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1248	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1254	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
Aroclor®1260	mg/L	7	0.0%	3	0	0.001	0.003	0.0017	0.0012	4	0	0.001	0.9003	0.00020	0.00012
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	9	11.1%	3	0	0.001	0.001	0.0010	0	6	1	0.0093	0.01	0.025	0.0037
1,2-Dichlorobenzene	mg/L	12	16.7%	4	0	0.001	0.001	0.0010	0	8	2	0.0093	0.015	0.011	0.0018
1,3-Dichlorobenzene	mg/L	12	16.7%	4	0	0.001	0.001	0.0010	0	8	2	0.0093	0.018	0.011	0.0029

Detection frequency of chemicals by sampling technique at Well CG-2-D

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
1,4-Dichlorobenzene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.0010	8	2	25.0%	0.0093	0.001	0.0099	0.00025
2,4,5-Trichlorophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0074	0.0075
2,4,6-Trichlorophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0074	0.0075
2,4-Dichlorophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0074	0.0075
2,4-Dimethylphenol	mg/L	12	2	16.7%	5	2	40.0%	0.001	0.0010	7	0	0.0%	0.0093	0.001	0.0068	0.0071
2,4-Dinitrophenol	mg/L	9	1	11.1%	3	1	33.3%	0.005	0.0050	7	0	0.0%	0.0047	0.001	0.017	0.013
2,4-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
2-Chloronaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
2-Chlorophenol	mg/L	10	1	10.0%	3	1	33.3%	0.001	0.0010	7	0	0.0%	0.0093	0.001	0.0078	0.0069
2-Methyl-4,6-dinitrophenol	mg/L	9	1	11.1%	3	1	33.3%	0.005	0.0050	6	0	0.0%	0.0047	0.001	0.0091	0.0059
2-Methylnaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
2-Methylphenol	mg/L	13	2	15.4%	5	2	40.0%	0.001	0.0010	8	0	0.0%	0.0093	0.001	0.0072	0.0066
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020	5	0	0.0%	0.0019	0.001	0.0068	0.0044
2-Nitrophenol	mg/L	10	1	10.0%	3	1	33.3%	0.001	0.0010	7	0	0.0%	0.0093	0.001	0.0078	0.0069
3,3'-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0087	0.0071
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.0050	5	0	0.0%	0.0047	0.001	0.0079	0.0028
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0087	0.0071
4-Chloro-3-methylphenol	mg/L	10	1	10.0%	3	1	33.3%	0.002	0.0020	7	0	0.0%	0.0019	0.001	0.0081	0.0066
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020	5	0	0.0%	0.0019	0.001	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0087	0.0071
4-Methylphenol	mg/L	11	2	18.2%	5	2	40.0%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0072	0.0077
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.0050	5	0	0.0%	0.0047	0.001	0.0079	0.0028
4-Nitrophenol	mg/L	10	2	20.0%	3	2	66.7%	0.001	0.0011	7	0	0.0%	0.0093	0.001	0.0092	0.0066
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.0050	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.0050	5	0	0.0%	0.0047	0.001	0.0079	0.0028
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.0010	2	0	0.0%	0.0093	0.001	0.0097	0.00049
Benz[a]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020	5	0	0.0%	0.0002	0.001	0.0048	0.0048
Benzidine	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.0010	3	0	0.0%	0.0093	0.001	0.0073	0.011
Benzol[a]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0002	0.001	0.0044	0.0051
Benzob[fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0002	0.001	0.0044	0.0051
Benzol[ghi]perylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0002	0.001	0.0044	0.0051
Benzol[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0002	0.001	0.0044	0.0051
Benzoic acid	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.0050	5	0	0.0%	0.0047	0.001	0.0099	0.0062
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.002	0.0020	6	0	0.0%	0.0019	0.001	0.023	0.035
bis(2-chloroethoxy)methane	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0087	0.0071
bis(2-chloroethyl)ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0093	0.001	0.0087	0.0071
Bis(2-chloroisopropyl)ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
bis(2-Ethylhexyl)phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020	5	0	0.0%	0.002	0.026	0.031	0.026
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	3	0	0.0%	0.001	0.01	0.010	1.3E-10
Crysene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0002	0.001	0.0044	0.0051
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.0050	5	0	0.0%	0.0047	0.001	0.0079	0.0049
Dimethyl phthalate	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0011	5	0	0.0%	0.0093	0.001	0.0064	0.0049
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.0010	5	2	40.0%	0.001	0.01	0.0048	0.0048
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Fluorene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0012	6	0	0.0%	0.0002	0.001	0.0054	0.0051
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049
Hexachlorobutadiene	mg/L	9	1	11.1%	3	0	0.0%	0.001	0.0010	6	1	16.7%	0.0093	0.001	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.0093	0.001	0.0064	0.0049

Detection frequency of chemicals by sampling technique at Well CG-2-D

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge						
	Units	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Hexachloroethane	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00093	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	1	12.5%	0.001	0.001	0.0010	0	5	0	0.0%	0.00093	0.01	0.0064	0.0051
Isophorone	mg/L	8	1	12.5%	0.001	0.064	0.022	0.036	1	0	0.0%	0.0025	0.0025	0.0025	na
Methylphenol	mg/L	13	2	15.4%	0.001	0.005	0.0020	0.0020	9	2	22.2%	0.0002	0.032	0.0043	0.010
Naphthalene	mg/L	8	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00093	0.01	0.0064	0.0049
Nitrobenzene	mg/L	8	1	12.5%	0.001	0.003	0.0017	0.0012	5	0	0.0%	0.00093	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	9	1	11.1%	0.001	0.0012	0.0011	0.00012	6	0	0.0%	0.00093	0.02	0.0087	0.0071
N-nitrosodiphenylamine	mg/L	10	1	10.0%	0.005	0.005	0.0050	6.7E-11	7	0	0.0%	0.0047	0.02	0.0092	0.0054
Pentachlorophenol	mg/L	9	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0002	0.01	0.0054	0.0051
Phenanthrene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	0	0.0%	0.00093	0.02	0.0069	0.0068
Phenol	mg/L	9	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0002	0.01	0.0054	0.0051
Pyrene	mg/L	9	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.0002	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	0.0034	0.00509	0.0042	0.00083	5	1	20.0%	0.001	0.001	0.0010	1.3E-11
1,1,1-Trichloroethane	mg/L	12	9	75.0%	0.003	0.003	0.0030	0	8	5	62.5%	0.0007	0.0212	0.0042	0.0070
1,1,2-Trichloroethane	mg/L	10	1	10.0%	0.001	0.001	0.0010	na	6	1	16.7%	0.001	0.0075	0.0028	0.0025
1,1,2,2-Tetrachloroethane	mg/L	3	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.0002	0.001	0.00074	0.00037
1,1,2-Trichloroethane	mg/L	12	9	75.0%	0.00147	0.0066	0.0037	0.0021	8	5	62.5%	0.000566	0.045	0.0071	0.015
1,1-Dichloroethane	mg/L	12	3	25.0%	0.001	0.001	0.0010	0	8	3	37.5%	0.0002	0.001	0.00068	0.00036
1,1-Dichloroethene	mg/L	12	3	25.0%	0.001	0.001	0.0010	0	8	3	37.5%	0.0002	0.001	0.00068	0.00036
1,1-Dichloropropene	mg/L	5	1	20.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	4	1	25.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	4	1	25.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	4	1	25.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	4	2	50.0%	0.001	0.001	0.0010	0	4	2	50.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.0002	0.001	0.00074	0.00037
1,2-Dichloropropane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.0002	0.001	0.00074	0.00037
1,3,5-Trimethylbenzene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	5	1	20.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.001	0.0010	1.3E-11
2,2-Dichloropropane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	1	12.5%	0.001	0.001	0.0010	1.3E-11
2-Butanone	mg/L	1	0	0.0%	0.005	0.005	0.0050	0	5	1	20.0%	0.001	0.001	0.0010	0.0026
2-Chloroethylvinyl ether	mg/L	3	1	33.3%	0.001	0.001	0.0010	na	3	1	33.3%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0.0020
2-Hexanone	mg/L	12	2	16.7%	0.005	0.005	0.0050	0	8	2	25.0%	0.005	0.012	0.0095	0.0020
4-Chlorotoluene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	12	2	16.7%	0.005	0.005	0.0050	0	8	2	25.0%	0.005	0.019	0.011	0.0039
Acetone	mg/L	12	4	33.3%	0.005	0.0108	0.0065	0.0029	8	3	37.5%	0.0056	0.012	0.0093	0.0021
Benzene	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0013	0.00061
Bromobenzene	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0.00037
Bromodichloromethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.0002	0.001	0.00074	0.00037
Bromoform	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Bromomethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Carbon disulfide	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Carbon tetrachloride	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Chlorobenzene	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Chloroethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Chloroform	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Chloromethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
cis-1,2-Dichloroethene	mg/L	12	5	41.7%	0.001	0.016	0.0048	0.0075	8	4	50.0%	0.0046	0.34	0.057	0.12
cis-1,3-Dichloropropene	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Dibromochloromethane	mg/L	12	2	16.7%	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Dibromomethane	mg/L	3	1	33.3%	0.001	0.001	0.0010	0	3	1	33.3%	0.001	0.001	0.0010	0

Detection frequency of chemicals by sampling technique at Well CG-2-D

Chemical	Pre and Micropurge						Pre-Micropurge						Micropurge											
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Dichlorodifluoromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0.000045	0	0.001	0.001	0.0010	0	8	2	25.0%	0.001	0.0025	0.0012	0.00053
Ethylbenzene	mg/L	12	4	33.3%	4	1	25.0%	0.001	0.00109	0.0010	0.000045	0	0.001	0.001	0.0010	0.000045	0	8	3	37.5%	0.00038	0.24	0.033	0.064
Isopropylbenzene	mg/L	3	1	33.3%	2	1	50.0%	0.001	0.00136	0.0012	0.00025	0	0.001	0.001	0.0010	0.00025	0	3	1	33.3%	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	10	4	40.0%	2	0	0.0%	0.001	0.001	0.0010	0	0.001	0.001	0.0010	0	0.001	0.0010	8	3	37.5%	0.001	0.104	0.021	0.038
meta-Xylene	mg/L	2	0	0.0%	2	0	0.0%	0.005	0.23	0.066	0.11	0	0.001	0.001	0.0010	0	0.001	8	2	25.0%	0.005	0.012	0.0059	0.0025
Methylene chloride	mg/L	12	4	33.3%	4	2	50.0%	0.001	0.001	0.0010	0	0.001	0.001	0.0010	0	0.001	0.0010	3	1	33.3%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	3	1	33.3%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	3	1	33.3%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	3	1	33.3%	2	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	3	1	33.3%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	12	3	25.0%	2	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	3	37.5%	0.001	0.043	0.0071	0.015
para-Xylene	mg/L	2	0	0.0%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	3	1	33.3%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	3	1	33.3%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	3	1	33.3%	0.001	0.001	0.0010	0
Styrene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	2	25.0%	0.001	0.0025	0.0012	0.00063
tert-Butylbenzene	mg/L	3	1	33.3%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	3	1	33.3%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	3	37.5%	0.0002	0.004	0.0012	0.0012
Toluene	mg/L	12	3	25.0%	4	1	25.0%	0.002	0.00421	0.0026	0.0011	0	0.002	0.002	0.0026	0.0011	0	8	2	25.0%	0.00038	0.2	0.026	0.070
trans-1,2-Dichloroethene	mg/L	12	3	25.0%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	3	37.5%	0.001	0.032	0.0049	0.011
Trichloroethene	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	2	25.0%	0.001	0.0025	0.0012	0.00063
trans-1,3-Dichloropropene	mg/L	12	6	50.0%	4	1	25.0%	0.002	0.00755	0.0034	0.0028	0	0.002	0.002	0.0034	0.0028	0	8	5	62.5%	0.000836	2.8	0.35	0.99
Trichlorofluoromethane	mg/L	12	2	16.7%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	2	25.0%	0.001	0.0025	0.0012	0.00063
Vinyl acetate	mg/L	9	1	11.1%	4	0	0.0%	0.001	0.001	0.0010	0	0	0.001	0.001	0.0010	0	0.001	8	2	25.0%	0.001	0.0025	0.0012	0.00063
Vinyl chloride	mg/L	12	4	33.3%	4	1	25.0%	0.001	0.0448	0.012	0.022	0	0.001	0.001	0.0010	0	0.001	5	1	20.0%	0.001	0.005	0.0029	0.0020
Xylene isomers (total)	mg/L	12	4	33.3%	4	1	25.0%	0.002	0.003	0.0026	0.00050	0	0.002	0.002	0.0026	0.00050	0	8	3	37.5%	0.002	0.147	0.028	0.052

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-2-I

Chemical	Units	Pre and Micropurge				Micropurge										
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.							
<b>Field Parameters</b>																
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	416	83.7	9	9	100.0%	391	16700	2310	5400
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	6	100.0%	2.90	2.73	9	9	100.0%	0.448	119	14.1	39.3
Flow	mL/min	14	14	100.0%	5	5	100.0%	541	203	9	9	100.0%	164	395	288	65.0
Frequency	Hz	9	9	100.0%						9	9	100.0%	69	80	74.9	3.26
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-120	160	9	9	100.0%	-154	224	19.6	116
pH		15	15	100.0%	6	6	100.0%	7.3	0.33	9	9	100.0%	6.86	8.82	7.47	0.59
Temperature	degF	15	15	100.0%	6	6	100.0%	59.1	2.72	9	9	100.0%	54.7	62	58.0	2.25
Turbidity	NTU	15	15	100.0%	6	6	100.0%	3.77	3.56	9	9	100.0%	2.11	84	28.5	29.1
Volume Removed	L	14	14	100.0%	5	5	100.0%	13.3	3.75	9	9	100.0%	3.55	12.9	6.06	3.12
<b>Hydrocarbons</b>																
Diesel Range Hydrocarbons	mg/L	4	3	75.0%				0.0416	0.275	4	3	75.0%	0.0416	0.275	0.20	0.11
Gasoline Range Organics	mg/L	4	1	25.0%				0.05	0.05	4	1	25.0%	0.05	0.05	0.050	0
Lube oil	mg/L	4	1	25.0%				0.5	0.5	4	1	25.0%	0.5	0.5	0.50	0
<b>Metals</b>																
Ferric Iron	mg/L	1	1	100.0%				0.968	0.968	1	1	100.0%	0.968	0.968	0.97	na
Ferrous Iron	mg/L	1	1	100.0%				0.637	0.637	1	1	100.0%	0.637	0.637	0.64	na
Arsenic	mg/L	7	2	28.6%	3	0	0.0%	0.01	0.01	4	2	50.0%	0.000249	0.01	0.0037	0.0044
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	3	0	0.0%	0.01	0.2	0.14	0.11
Beryllium	mg/L	1	0	0.0%						1	0	0.0%	0.00001	0.00001	0.000010	na
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	3	1	33.3%	0.00657	0.01	0.0089	0.0020
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	3	1	33.3%	0.00213	0.025	0.017	0.013
Cyanide	mg/L	4	2	50.0%						4	2	50.0%	0.01	0.01	0.010	0
Lead	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.003	4	1	25.0%	0.00028	0.003	0.0018	0.0014
Manganese	mg/L	1	1	100.0%				0.04	0.04	1	1	100.0%	0.04	0.04	0.040	na
Mercury	mg/L	3	0	0.0%						1						
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.002	0.002	3	1	33.3%	0.00343	0.04	0.028	0.021
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.04	0.04	3	0	0.0%	0.001	0.04	0.037	0.0023
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	3	0	0.0%	0.001	0.005	0.0037	0.0023
Zinc	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	3	0	0.0%	0.001	0.01	0.0070	0.0052
	mg/L	6	0	0.0%	3	0	0.0%	0.02	0.02	3	0	0.0%	0.01	0.02	0.017	0.0058
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1221	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1232	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1242	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1248	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1254	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
Aroclor® 1260	mg/L	7	1	14.3%	3	1	33.3%	0.0001	0.0002	4	0	0.0%	0.0001	0.0003	0.00020	0.00012
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.001	7	1	14.3%	0.00096	0.001	0.00099	0.00015
1,3-Dichlorobenzene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.001	7	1	14.3%	0.00096	0.001	0.0013	0.00080
1,4-Dichlorobenzene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.001	7	1	14.3%	0.00096	0.001	0.00099	0.00015
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2,4-Dichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2,4-Dinitrophenol	mg/L	12	3	25.0%	6	3	50.0%	0.001	0.001	6	3	50.0%	0.00096	0.01	0.0064	0.0049
2,4-Dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2,4-Dinitrophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2,6-Dinitrophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	6	0	0.0%	0.00096	0.01	0.0070	0.0047
2-Methyl-4,8-dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	5	0	0.0%	0.0048	0.01	0.0080	0.0028
2-Methylnaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	5	0	0.0%	0.00096	0.01	0.0064	0.0049

Detection frequency of chemicals by sampling technique at Well CG-24

Chemical	Pre and Micropurge				Micropurge				
	mg/L	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Std. Dev.	
2-Methylphenol		13	3	23.1%		7	0	0.0%	0.0061
2-Nitroaniline		8	0	0.0%		5	0	0.0%	0.0068
2-Nitrophenol		9	2	22.2%		6	0	0.0%	0.0070
3,3'-Dichlorobenzidine		9	0	0.0%		5	0	0.0%	0.0070
3-Nitroaniline		9	0	0.0%		6	0	0.0%	0.0080
4-Bromophenyl-phenyl ether		9	0	0.0%		5	0	0.0%	0.0070
4-Chloro-3-methylphenol		9	2	22.2%		6	0	0.0%	0.0073
4-Chloroaniline		8	0	0.0%		5	0	0.0%	0.0068
4-Chlorophenyl-phenyl ether		9	0	0.0%		6	0	0.0%	0.0070
4-Methylphenol		12	4	33.3%		6	1	16.7%	0.0048
4-Nitroaniline		8	0	0.0%		5	0	0.0%	0.0028
4-Nitrophenol		9	2	22.2%		6	0	0.0%	0.0070
Acenaphthene		9	0	0.0%		6	0	0.0%	0.0053
Acenaphthylene		9	0	0.0%		6	0	0.0%	0.0080
Aniline		8	0	0.0%		5	0	0.0%	0.0051
Anthracene		9	0	0.0%		6	0	0.0%	0.0028
Azobenzene		5	0	0.0%		5	0	0.0%	0.0047
Benz[ <i>a</i> ]anthracene		8	0	0.0%		6	0	0.0%	0.0070
Benzo[ <i>a</i> ]pyrene		6	0	0.0%		5	0	0.0%	0.0048
Benzo[ <i>b</i> ]fluoranthene		8	0	0.0%		5	0	0.0%	0.0052
Benzo[ <i>ghi</i> ]perylene		8	0	0.0%		5	0	0.0%	0.0044
Benzo[ <i>k</i> ]fluoranthene		8	0	0.0%		5	0	0.0%	0.0051
Benzoic acid		8	2	25.0%		5	0	0.0%	0.0062
Benzyl alcohol		9	0	0.0%		6	0	0.0%	0.019
bis[2-chloroethoxy]methane		9	0	0.0%		6	0	0.0%	0.014
bis[2-chloroethyl]ether		9	0	0.0%		6	0	0.0%	0.0070
Bis[2-chloroisopropyl]ether		9	0	0.0%		6	0	0.0%	0.0047
Bis[2-Ethylhexyl]phthalate		8	0	0.0%		5	0	0.0%	0.0064
Butylbenzyl phthalate		8	1	12.5%		5	1	20.0%	0.022
Carbazole		3	0	0.0%		5	0	0.0%	0.0064
Chrysene		9	0	0.0%		3	0	0.0%	1.3E-10
Dibenz[ <i>a,h</i> ]anthracene		8	0	0.0%		6	0	0.0%	0.0051
Dibenzofuran		8	0	0.0%		5	0	0.0%	0.0051
Diethyl phthalate		8	0	0.0%		5	0	0.0%	0.0028
Dimethyl phthalate		8	0	0.0%		5	0	0.0%	0.0049
Di- <i>n</i> -butyl phthalate		8	1	12.5%		5	1	20.0%	0.022
Di- <i>n</i> -octyl phthalate		8	0	0.0%		5	0	0.0%	0.0049
Fluoranthene		9	0	0.0%		5	0	0.0%	0.0064
Fluorene		9	0	0.0%		6	0	0.0%	0.0051
Hexachlorobenzene		8	0	0.0%		6	0	0.0%	0.0051
Hexachlorobutadiene		8	0	0.0%		6	0	0.0%	0.0053
Hexachlorocyclopentadiene		8	0	0.0%		5	0	0.0%	0.0049
Hexachloroethane		8	0	0.0%		5	0	0.0%	0.0049
Indeno[1,2,3- <i>cd</i> ]pyrene		8	0	0.0%		5	0	0.0%	0.0051
Isophorone		8	0	0.0%		5	0	0.0%	0.0049
Naphthalene		12	1	8.3%		7	1	14.3%	0.0014
Nitrobenzene		8	0	0.0%		5	0	0.0%	0.0064
N-nitroso-di- <i>n</i> -propylamine		8	0	0.0%		5	0	0.0%	0.0028
N-nitrosodiphenylamine		9	0	0.0%		5	0	0.0%	0.0049
Pentachlorophenol		9	2	22.2%		6	0	0.0%	0.0064
Phenanthrene		9	0	0.0%		6	0	0.0%	0.0070
Phenol		13	4	30.8%		6	1	14.3%	0.0083
Pyrene		9	0	0.0%		7	1	14.3%	0.0053

Detection frequency of chemicals by sampling technique at Well CG-2-I

Chemical	Units	Pre and Micropurge				Micropurge										
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.							
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	4	0	0.0%	5	1	20.0%	0.0023	0.0013	0.00058	0.001	0.001	0.0010	0.0010	0.0010	0
1,1,1-Trichloroethane	mg/L	12	5	41.7%	5	0	0.0%	0.002	0.0028	0.00045	0.001	0.003	0.0020	0.0165	0.0036	0.0057
1,1,2,2-Tetrachloroethane	mg/L	11	1	9.1%	0	0.0%	0.001	0.001	0.0010	na	0.001	0.001	0.0020	0.003	0.0020	0.0011
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	0	0.0%	1	0	0.0%	0.001	0.0010	na	0.001	0.001	0.0020	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
1,1-Dichloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
1,1-Dichloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
1,1-Dichloropropane	mg/L	4	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,2-Dichloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
1,2-Dichloropropane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
2-Bulananone	mg/L	12	1	8.3%	5	0	0.0%	0.005	0.0050	7.4E-11	0.005	0.005	0.00079	0.001	0.00079	0.0027
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.0010	na	0.001	0.001	0.0010	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
2-Hexanone	mg/L	12	1	8.3%	5	0	0.0%	0.005	0.0050	7.4E-11	0.005	0.005	0.00079	0.001	0.00079	0.0027
4-Chlorotoluene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
4-Isopropyltoluene	mg/L	12	1	8.3%	5	0	0.0%	0.005	0.0050	7.4E-11	0.005	0.005	0.00079	0.001	0.00079	0.0027
4-Methyl-2-pentanone	mg/L	12	1	8.3%	5	0	0.0%	0.005	0.011	0.0062	0.005	0.011	0.00079	0.001	0.00079	0.0027
Acetone	mg/L	12	2	16.7%	5	1	20.0%	0.001	0.0028	0.0040	0.001	0.00985	0.00079	0.001	0.00079	0.0027
Benzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
Bromobenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
Bromodichloromethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Bromoforn	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Bromomethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Carbon disulfide	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Carbon tetrachloride	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Chlorobenzene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Chloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Chloroform	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Chloromethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
cis-1,2-Dichloroethene	mg/L	12	5	41.7%	5	2	40.0%	0.001	0.0092	0.015	0.001	0.0357	0.0028	0.011	0.0028	0.0037
Dibromochloromethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Dibromomethane	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
Dichlorodifluoromethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Ethylbenzene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
Isopropylbenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
meta & para Xylenes	mg/L	11	3	27.3%	4	1	25.0%	0.001	0.0015	0.00095	0.001	0.0029	0.0083	0.042	0.0083	0.015
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.0010	na	0.001	0.001	0.0010	0.001	0.0010	0
Methylene chloride	mg/L	12	5	41.7%	5	2	40.0%	0.005	0.034	0.031	0.005	0.084	0.0047	0.032	0.0083	0.011
n-Butylbenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.0010	na	0.001	0.001	0.0010	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%							0.001	0.001	0.0010	0.001	0.0010	0
Styrene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.0010	1.3E-11	0.001	0.001	0.00066	0.001	0.00066	0.00043

Detection frequency of chemicals by sampling technique at Well CG-2-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
tert-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	12	1	8.3%	5	1	20.0%	0.002	0.0042	0.0024	0.00098	7	1	14.3%	0.0002	0.001	0.00066	0.00043
Toluene	mg/L	12	3	25.0%	5	1	20.0%	0.002	0.0042	0.0024	0.00098	7	2	28.6%	0.001	0.086	0.014	0.032
trans-1,2-Dichloroethene	mg/L	12	2	16.7%	5	1	20.0%	0.001	0.0101	0.0028	0.0041	7	1	14.3%	0.001	0.001	0.0010	1.8E-11
trans-1,3-Dichloropropene	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.001	0.001	0.0010	1.8E-11
Trichloroethene	mg/L	12	2	16.7%	5	1	20.0%	0.002	0.039	0.0094	0.017	7	1	14.3%	0.001	0.002	0.0014	0.00053
Trichlorofluoromethane	mg/L	12	1	8.3%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.001	0.001	0.0010	1.8E-11
Vinyl acetate	mg/L	10	1	10.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	5	1	20.0%	0.001	0.005	0.0026	0.0022
Vinyl chloride	mg/L	12	3	25.0%	5	1	20.0%	0.001	0.0992	0.021	0.044	7	2	28.6%	0.001	0.0031	0.0013	0.00079
Xylene isomers (total)	mg/L	12	3	25.0%	5	1	20.0%	0.002	0.0039	0.0026	0.00086	7	2	28.6%	0.002	0.0478	0.010	0.017

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-2-S1

Chemical	Units	Pre and Micropurge				Micropurge			
		No. of results	No. of detections	No. of results	No. of detections	No. of results	No. of detections	Average	Std. Dev.
<b>Field Parameters</b>									
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	389	83.4
Dissolved oxygen, wt/vol	mg/L	14	14	100.0%	0	0	100.0%	3.84	4.69
Flow	mL/min	14	14	100.0%	433	800	100.0%	585	152
Frequency	Hz	9	9	100.0%	-139	106	100.0%	-37.5	84.0
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	6.17	6.59
pH		15	15	100.0%	6	6	100.0%	61.8	6.64
Temperature	degF	15	15	100.0%	6	6	100.0%	14.5	12.7
Turbidity	NTU	15	15	100.0%	6	6	100.0%	8	14.5
Volume Removed	L	14	14	100.0%	5	5	100.0%	8.71	2.96
<b>Hydrocarbons</b>									
Diesel Range Hydrocarbons	mg/L	4	3	75.0%				0.339	0.339
Gasoline Range Organics	mg/L	4	2	50.0%				0.0267	0.044
Lube oil	mg/L	4	1	25.0%				0.5	0.50
<b>Metals</b>									
Ferric Iron	mg/L	1	1	100.0%				16.2	16.2
Ferrous Iron	mg/L	1	1	100.0%				4.84	4.84
Arsenic	mg/L	7	3	42.9%	3	0	0.0%	0.0023	0.0050
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.14
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.0037
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.0072
Copper	mg/L	6	0	0.0%	3	0	0.0%	0.025	0.017
Cyanide	mg/L	4	2	50.0%				0.001	0.010
Lead	mg/L	7	1	14.3%	3	0	0.0%	0.003	0.00364
Manganese	mg/L	1	1	100.0%				0.686	0.686
Mercury	mg/L	3	0	0.0%				0.0050	0.022
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.04	0.027
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.0037
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.0070
Zinc	mg/L	6	0	0.0%	3	0	0.0%	0.02	0.017
<b>Polychlorinated Biphenyls</b>									
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0003	0.00020
<b>Semivolatile Organic Compounds</b>									
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.00097
1,2-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.025	0.0018
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.025	0.0018
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.025	0.0018
2,4,5-Trichlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.0062
2,4,6-Trichlorophenol	mg/L	9	3	33.3%	3	3	100.0%	0.001	0.0062
2,4-Dichlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.0062
2,4-Dimethylphenol	mg/L	13	4	30.8%	6	3	50.0%	0.001	0.0062
2,4-Dinitrophenol	mg/L	9	3	33.3%	3	2	66.7%	0.005	0.0048
2,4-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0048
2,6-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0048
2-Chloronaphthalene	mg/L	10	4	40.0%	3	2	66.7%	0.001	0.0048
2-Chlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.005	0.0048
2-Methyl-4,6-dinitrophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0048
2-Methylnaphthalene	mg/L	9	3	33.3%	3	2	66.7%	0.001	0.0048
2-Methylphenol	mg/L	14	4	28.6%	6	2	33.3%	0.001	0.0047

Detection frequency of chemicals by sampling technique at Well CG-2-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.0020	0	5	0	0.0%	0.0019	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	10	4	40.0%	3	2	66.7%	0.0010	0	7	2	28.6%	0.00097	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.0050	6.7E-11	5	0	0.0%	0.00097	0.01	0.0080	0.0028
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
4-Chloro-3-methylphenol	mg/L	10	4	40.0%	3	2	66.7%	0.0020	0	7	2	28.6%	0.0019	0.01	0.0070	0.0039
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.0020	0	5	0	0.0%	0.0019	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
4-Methylphenol	mg/L	12	3	25.0%	6	2	33.3%	0.0010	1.5E-11	5	1	16.7%	0.00097	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.0050	6.7E-11	5	0	0.0%	0.00097	0.01	0.0080	0.0028
4-Nitrophenol	mg/L	10	4	40.0%	3	2	66.7%	0.0010	0	7	2	28.6%	0.00097	0.01	0.0096	0.0080
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.0050	6.7E-11	5	0	0.0%	0.0049	0.01	0.0080	0.0028
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.0010	0	2	0	0.0%	0.0001	0.01	0.0053	0.0051
Benz[a]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Benzo[a]pyrene	mg/L	6	0	0.0%	3	0	0.0%	0.0010	0	3	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[b]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzo[e]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Benzothiazole	mg/L	8	4	50.0%	3	2	66.7%	0.0050	6.7E-11	5	2	40.0%	0.0049	0.02	0.010	0.0061
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.0020	0	6	0	0.0%	0.0019	0.01	0.0073	0.0042
bis[2-chloroethoxy]methane	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
bis[2-chloroethyl]ether	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
Bis[2-chloroisopropyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.0020	0	5	0	0.0%	0.002	0.05	0.031	0.026
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	3	0	0.0%	0.001	0.01	0.0066	0.0047
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.0010	0	3	0	0.0%	0.01	0.01	0.010	1.3E-10
Chrysene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.0050	6.7E-11	5	0	0.0%	0.0049	0.01	0.0080	0.0028
Diethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	1	12.5%	3	0	0.0%	0.0010	0	5	1	20.0%	0.00097	0.01	0.0048	0.0047
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	8	1	12.5%	3	0	0.0%	0.0010	0	5	1	20.0%	0.00097	0.01	0.0028	0.0040
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.01	0.0044	0.0051
Isophorone	mg/L	8	1	12.5%	3	1	33.3%	0.0010	0.000058	5	0	0.0%	0.00097	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	3	0	0.0%	0.0010	0	1	0	0.0%	0.005	0.005	na	na
Naphthalene	mg/L	13	2	15.4%	5	0	0.0%	0.032	0.066	8	2	25.0%	0.001	0.005	0.0014	0.0015
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.01	0.0070	0.0047
N-nitrosodiphenylamine	mg/L	10	4	40.0%	3	2	66.7%	0.0050	6.7E-11	7	2	28.6%	0.0049	0.01	0.0086	0.0025
Pentachlorophenol	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Phenanthrene	mg/L	14	4	28.6%	6	2	33.3%	0.0010	1.5E-11	8	2	25.0%	0.00097	0.01	0.0060	0.0045
Phenol	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.0001	0.01	0.0053	0.0051
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	3	0	0.0%	0.0001	0.01	0.0053	0.0051

Detection frequency of chemicals by sampling technique at Well CG-2-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge				
	Units	No. of results	No. of Detection detects	No. of Detection frequency	No. of results	Min	Average	Std. Dev.	No. of results	No. of Detection detects	No. of Detection frequency	Min	Average	Std. Dev.	
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	5	0.001	0.030	0.024	5	1	20.0%	0.0005	0.0090	0.00022	
1,1,1-Trichloroethane	mg/L	13	6	46.2%	0.001	0.075	0.020	0.031	7	3	37.5%	0.001	0.0046	0.0083	
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	0.002	0.075	0.020	0.031	8	2	28.6%	0.0005	0.012	0.028	
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	2	50.0%	0.001	0.001	na	na	3	2	66.7%	0.002	0.00373	0.00088	
1,1,2-Trichloroethane	mg/L	13	3	23.1%	0.001	0.025	0.0066	0.010	8	3	37.5%	0.0002	0.0015	0.0016	
1,1-Dichloroethane	mg/L	13	11	84.6%	0.039	0.092	0.064	0.025	8	6	75.0%	0.00158	0.013	0.011	
1,1-Dichloroethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0002	0.0012	0.0016	
1,1-Dichloropropene	mg/L	4	1	25.0%					4	1	25.0%	0.001	0.0010	0	
1,2,3-Trichlorobenzene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
1,2,3-Trichloropropane	mg/L	3	1	33.3%					3	1	33.3%	0.001	0.0010	0	
1,2,4-Trimethylbenzene	mg/L	3	1	33.3%					3	1	33.3%	0.001	0.0010	0	
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%					3	1	33.3%	0.001	0.0037	0.0023	
1,2-Dibromoethane	mg/L	3	1	33.3%					3	1	33.3%	0.001	0.0010	0	
1,2-Dichloroethane	mg/L	13	4	30.8%	0.001	0.025	0.0069	0.010	8	3	37.5%	0.0002	0.0012	0.0016	
1,2-Dichloropropane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0002	0.0012	0.0016	
1,3,5-Trimethylbenzene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
1,3-Dichloropropane	mg/L	4	1	25.0%					4	1	25.0%	0.001	0.0010	0	
2,2-Dichloropropane	mg/L	4	1	25.0%					4	1	25.0%	0.001	0.0010	0	
2-Butanone	mg/L	13	2	15.4%	0.005	0.15	0.055	0.064	8	2	25.0%	0.001	0.0010	0	
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	8	2	25.0%	0.005	0.024	0.043	
2-Chlorotoluene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
2-Hexanone	mg/L	13	3	23.1%	0.005	0.15	0.040	0.062	8	2	25.0%	0.005	0.024	0.043	
4-Chlorotoluene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
4-Isopropyltoluene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
4-Methyl-2-pentanone	mg/L	13	2	15.4%	0.005	0.15	0.038	0.063	8	2	25.0%	0.005	0.023	0.043	
Acetone	mg/L	13	4	30.8%	0.005	0.23	0.086	0.10	8	3	37.5%	0.005	0.15	0.050	
Benzene	mg/L	13	5	38.5%	0.001	0.025	0.0070	0.010	8	3	37.5%	0.0004	0.0049	0.0086	
Bromobenzene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
Bromochloromethane	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
Bromodichloromethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0002	0.0012	0.0016	
Bromoforn	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0005	0.0039	0.0085	
Bromomethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.001	0.0025	0.0084	
Carbon disulfide	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.001	0.0025	0.0086	
Carbon tetrachloride	mg/L	13	3	23.1%	0.001	0.025	0.0075	0.010	8	2	25.0%	0.002	0.005	0.0016	
Chlorobenzene	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0005	0.0039	0.0085	
Chloroethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.001	0.0025	0.0085	
Chloroform	mg/L	13	4	30.8%	0.001	0.025	0.0071	0.010	8	2	25.0%	0.0005	0.0039	0.0085	
Chloromethane	mg/L	13	3	23.1%	0.001	0.025	0.0075	0.010	8	2	25.0%	0.001	0.0025	0.0077	
cis-1,2-Dichloroethene	mg/L	13	3	23.1%	0.001	0.025	0.0075	0.010	8	2	25.0%	0.001	0.0025	0.0077	
cis-1,3-Dichloropropene	mg/L	13	11	84.6%	0.05	0.372	0.17	0.13	8	6	75.0%	0.00209	0.046	0.017	
Dibromochloromethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0005	0.0039	0.0085	
Dibromomethane	mg/L	13	2	15.4%	0.001	0.025	0.0066	0.010	8	2	25.0%	0.0002	0.0022	0.0026	
Dichlorodifluoromethane	mg/L	3	1	33.3%	0.001	0.025	0.0066	0.010	3	1	33.3%	0.0005	0.001	0.0029	
Isopropylbenzene	mg/L	13	3	23.1%	0.001	0.025	0.0070	0.010	8	2	25.0%	0.001	0.0025	0.0084	
meta & para Xylenes	mg/L	13	5	38.5%	0.001	0.025	0.0069	0.010	8	4	50.0%	0.001	0.0025	0.0081	
meta-Xylene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
Methylene chloride	mg/L	11	4	36.4%	0.001	0.025	0.0080	0.011	7	4	57.1%	0.00128	0.0068	0.0085	
n-Butylbenzene	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	2	1	50.0%	0.001	0.0010	0	
n-Propylbenzene	mg/L	13	2	15.4%	0.005	0.15	0.042	0.061	8	2	25.0%	0.005	0.13	0.044	
ortho-Xylene	mg/L	2	1	50.0%					2	1	50.0%	0.001	0.0010	0	
para-Xylene	mg/L	12	4	33.3%	0.001	0.025	0.0066	0.010	7	4	57.1%	0.000762	0.0045	0.0090	
sec-Butylbenzene	mg/L	1	1	100.0%	0.0024	0.0024	0.0024	na	1	1	100.0%	0.0024	0.0024	0.0024	
Styrene	mg/L	2	1	50.0%	0.001	0.025	0.0076	0.010	2	1	50.0%	0.001	0.0010	0	
	mg/L	13	2	15.4%	0.001	0.025	0.0076	0.010	8	2	25.0%	0.0005	0.0039	0.0085	

Detection frequency of chemicals by sampling technique at Well CG-2-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge							
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average
tert-Butylbenzene	mg/L	2	1	50.0%	5	3	60.0%	0.001	0.025	0.0092	2	1	50.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	7	53.8%	5	1	20.0%	0.002	0.05	0.014	8	4	50.0%	0.001	0.031	0.0063	0.010
Toluene	mg/L	13	6	46.2%	5	1	20.0%	0.001	0.025	0.0069	8	5	62.5%	0.00029	0.05	0.0090	0.017
trans-1,2-Dichloroethene	mg/L	13	4	30.8%	5	0	0.0%	0.001	0.025	0.0066	8	3	37.5%	0.0003	0.025	0.0040	0.0085
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.002	0.05	0.021	8	2	25.0%	0.0005	0.025	0.0039	0.0085
Trichloroethene	mg/L	13	9	69.2%	5	3	60.0%	0.001	0.025	0.0066	8	6	75.0%	0.00094	0.05	0.015	0.019
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.025	0.0066	8	2	25.0%	0.001	0.025	0.0048	0.0084
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.025	0.0066	6	1	16.7%	0.001	0.025	0.0070	0.0090
Vinyl chloride	mg/L	13	11	84.6%	5	4	80.0%	0.025	0.571	0.15	8	7	87.5%	0.00123	0.13	0.033	0.045
Xylene isomers (total)	mg/L	13	5	38.5%	5	1	20.0%	0.002	0.05	0.014	8	4	50.0%	0.001	0.05	0.010	0.016

Note: na - not applicable

**Detection frequency of chemicals by sampling technique at Well CG-3**

Chemical Field Parameters	Pre-Micropurge							Micropurge											
	Units	No. of results	No. of detections	Detection frequency	No. of results	No. of detections	Detection frequency	Min	Average	Std. Dev.	No. of results	No. of detections	Detection frequency	Min	Max	Average	Std. Dev.		
<b>Conductivity</b>	µS/cm	15	15	100.0%	6	6	100.0%	103	309	170	74.5	9	9	100.0%	87.2	8650	1510	2980	
<b>Dissolved oxygen, w/vol</b>	mg/L	15	15	100.0%	6	6	100.0%	0.08	11.2	3.25	4.27	9	9	100.0%	0.72	123	14.6	40.6	
<b>Flow</b>	mL/min	14	14	100.0%	5	5	100.0%	561	786	673	94.6	9	9	100.0%	177	400	284	63.9	
<b>Frequency</b>	Hz	9	9	100.0%								9	9	100.0%	54	66.4	61.9	4.42	
<b>Oxidation Reduction Potential</b>	mV	15	15	100.0%	6	6	100.0%	-174	72.4	-27.1	107	9	9	100.0%	-49	234	85.7	94.5	
<b>pH</b>	pH	15	15	100.0%	6	6	100.0%	5.62	7.12	6.37	0.64	9	9	100.0%	6.36	7.07	6.71	0.22	
<b>Temperature</b>	degF	15	15	100.0%	6	6	100.0%	56.9	60.5	58.4	1.53	9	9	100.0%	56.2	61.8	58.6	1.98	
<b>Turbidity</b>	NTU	15	15	100.0%	6	6	100.0%	0.65	76	24.8	29.8	9	9	100.0%	4.49	98	27.2	30.3	
<b>Volume Removed</b>	L	14	14	100.0%	5	5	100.0%	5.3	14.6	9.34	4.41	9	9	100.0%	2.15	9.8	5.62	2.77	
<b>Hydrocarbons</b>																			
<b>Diesel Range Hydrocarbons</b>	mg/L	4	2	50.0%								4	2	50.0%	0.0599	0.25	0.20	0.095	
<b>Gasoline Range Organics</b>	mg/L	4	2	50.0%								4	2	50.0%	0.0108	0.05	0.040	0.020	
<b>Lube oil</b>	mg/L	4	1	25.0%								4	1	25.0%	0.5	0.5	0.50	0	
<b>Metals</b>																			
<b>Arsenic</b>	mg/L	6	2	33.3%	2	0	0.0%	0.01	0.01	0.010	0	4	2	50.0%	0.000134	0.01	0.0028	0.0048	
<b>Barium</b>	mg/L	5	0	0.0%	2	0	0.0%	0.2	0.2	0.20	0	3	0	0.0%	0.01	0.2	0.14	0.11	
<b>Cadmium</b>	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	3	0	0.0%	0.001	0.005	0.0037	0.0023	
<b>Chromium</b>	mg/L	5	2	40.0%	2	1	50.0%	0.01	0.015	0.013	0.0035	3	1	33.3%	0.00247	0.01	0.0075	0.0043	
<b>Copper</b>	mg/L	5	2	40.0%	2	0	0.0%	0.025	0.025	0.025	0	3	0	0.0%	0.001	0.025	0.017	0.014	
<b>Cyanide</b>	mg/L	4	2	50.0%	2	0	0.0%					4	2	50.0%	0.01	0.01	0.010	0	
<b>Lead</b>	mg/L	6	0	0.0%	2	0	0.0%	0.003	0.003	0.0030	0	4	0	0.0%	0.001	0.003	0.0020	0.0012	
<b>Mercury</b>	mg/L	2	0	0.0%	2	0	0.0%	0.0002	0.0002	0.00020	0	4	0	0.0%					
<b>Nickel</b>	mg/L	5	1	20.0%	2	0	0.0%	0.04	0.04	0.040	0	3	1	33.3%	0.00103	0.04	0.027	0.022	
<b>Selenium</b>	mg/L	5	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	3	0	0.0%	0.001	0.005	0.0037	0.0023	
<b>Silver</b>	mg/L	5	0	0.0%	2	0	0.0%	0.01	0.01	0.010	0	3	0	0.0%	0.001	0.01	0.0070	0.0052	
<b>Zinc</b>	mg/L	5	1	20.0%	2	1	50.0%	0.02	0.034	0.027	0.0099	3	0	0.0%	0.01	0.02	0.017	0.0058	
<b>Polychlorinated Biphenyls</b>																			
<b>Aroclor® 1016</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1221</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1232</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1242</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1248</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1254</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0003	0.0002	0.00012	0.00012	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Aroclor® 1260</b>	mg/L	6	0	0.0%	2	0	0.0%	0.0002	0.0003	0.00025	0.000071	4	0	0.0%	0.0001	0.0003	0.00020	0.00012	
<b>Semivolatile Organic Compounds</b>																			
<b>1,2,4-Trichlorobenzene</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040	
<b>1,2-Dichlorobenzene</b>	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.0024	0.0011	0.00055	
<b>1,3-Dichlorobenzene</b>	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018	
<b>1,4-Dichlorobenzene</b>	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018	
<b>2,4,5-Trichlorophenol</b>	mg/L	7	2	28.6%	2	1	50.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0072	0.0041	
<b>2,4,6-Trichlorophenol</b>	mg/L	7	2	28.6%	2	1	50.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0072	0.0041	
<b>2,4-Dichlorophenol</b>	mg/L	7	2	28.6%	2	1	50.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0072	0.0041	
<b>2,4-Dimethylphenol</b>	mg/L	11	3	27.3%	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	6	1	16.7%	0.001	0.01	0.0070	0.0046	
<b>2,4-Dinitrophenol</b>	mg/L	7	2	28.6%	2	1	50.0%	0.005	0.005	0.0050	0	5	1	20.0%	0.001	0.025	0.018	0.0076	
<b>2,4-Dinitrotoluene</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
<b>2,6-Dinitrophenol</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
<b>2-Chloronaphthalene</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
<b>2-Chlorophenol</b>	mg/L	7	2	28.6%	2	1	50.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0072	0.0041	
<b>2-Methyl-4,6-dinitrophenol</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0090	0.0022	
<b>2-Methylnaphthalene</b>	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049	
<b>2-Methylphenol</b>	mg/L	12	3	25.0%	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.001	0.01	0.0074	0.0044	
<b>2-Nitroaniline</b>	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.001	0.01	0.0068	0.0044	
<b>2-Nitrophenol</b>	mg/L	8	2	25.0%	2	1	50.0%	0.001	0.001	0.0010	0	6	1	16.7%	0.001	0.01	0.0077	0.0038	
<b>3,3'-Dichlorobenzidine</b>	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046	

Detection frequency of chemicals by sampling technique at Well CG-3

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Chloro-3-methylphenol	mg/L	7	2	28.6%	2	1	50.0%	0.002	0.002	0.0020	0	5	1	20.0%	0.002	0.01	0.0074	0.0037
4-Chloroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
4-Methylphenol	mg/L	10	3	30.0%	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	5	1	20.0%	0.001	0.01	0.0064	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	8	3	37.5%	2	2	100.0%	0.001	0.001	0.0011	0.000071	6	1	16.7%	0.001	0.025	0.011	0.0077
Acenaphthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Acenaphthylene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0080	0.0027
Aniline	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
Anthracene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Benzo[a]anthracene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.001	0.01	0.0010	0
Azobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0048	0.0048
Benzo[b]fluoranthene	mg/L	5	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.0040	0.0052
Benzo[e]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[ghi]perylene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzo[k]fluoranthene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzoic acid	mg/L	6	2	33.3%	2	1	50.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.005	0.02	0.011	0.0063
Benzyl alcohol	mg/L	8	0	0.0%	2	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.01	0.0073	0.0041
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0070	0.0046
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Bis[2-Ethylhexyl]phthalate	mg/L	7	2	28.6%	2	1	50.0%	0.002	0.002	0.0023	0.00035	5	1	20.0%	0.002	0.05	0.027	0.024
Butylbenzyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.001	0.01	0.010	1.3E-10
Chrysene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Dibenz[a,h]anthracene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Dibenzofuran	mg/L	7	0	0.0%	2	0	0.0%	0.005	0.005	0.0050	0	5	0	0.0%	0.005	0.01	0.0080	0.0027
Diethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	7	1	14.3%	2	1	50.0%	0.001	0.001	0.0014	0.00049	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-octyl phthalate	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0067	0.0046
Fluoranthene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Fluorene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Hexachlorobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0028	0.0040
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Isophorone	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Methylphenol	mg/L	1	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.005	na	0.0050	na
Naphthalene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.005	0.0034	0.0022	8	2	25.0%	0.001	0.0089	0.0019	0.0029
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Nitrobenzene	mg/L	7	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	1	12.5%	2	1	50.0%	0.001	0.001	0.0012	0.00021	6	0	0.0%	0.001	0.01	0.0070	0.0046
N-nitrosodiphenylamine	mg/L	8	2	25.0%	2	1	50.0%	0.005	0.005	0.0050	0	6	1	16.7%	0.005	0.01	0.0092	0.0020
Pentachlorophenol	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenanthrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
Phenol	mg/L	12	3	25.0%	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.001	0.01	0.0067	0.0043
Pyrene	mg/L	8	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0054	0.0051
<b>Volatile Organic Compounds</b>																		
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	5	0	0.0%	0.005	0.001	0.00690	0.0022
1,1,1-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.002	0.003	0.0026	0.00055	8	2	25.0%	0.005	0.009	0.0019	0.0029
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.003	0.0026	0.00055	7	2	28.6%	0.005	0.003	0.0018	0.0011

Detection frequency of chemicals by sampling technique at Well CG-3

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge					
	Units	No. of results	No. of Detection detects frequency	No. of results	Min	Max	Average	Std. Dev.	No. of results	No. of Detection detects frequency	Min	Max	Average	Std. Dev.
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.00070	0.00041
1,1-Dichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.037	0.00054	0.013
1,1-Dichloroethene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.00074	0.00037
1,1-Dichloropropene	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.0010	0
1,2-Dibromoethane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.0014	0.0019
1,2-Dichloropropane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.00064	0.00040
1,3,5-Trimethylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
1,3-Dichloropropane	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%					4	0	0.0%	0.001	0.0010	0
2-Butanone	mg/L	13	2	15.4%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.01	0.0081	0.0026
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
2-Hexanone	mg/L	13	2	15.4%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.01	0.0081	0.0026
4-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	2	15.4%	0.005	0.005	0.0050	7.4E-11	8	2	25.0%	0.045	0.013	0.013
Acetone	mg/L	13	4	30.8%	0.005	0.028	0.011	0.010	8	2	25.0%	0.005	0.0081	0.0026
Benzene	mg/L	13	3	23.1%	0.001	0.0059	0.0020	0.0022	8	2	25.0%	0.005	0.0012	0.00075
Bromobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Bromodichloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.00064	0.00040
Bromoform	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.00094	0.00018
Bromomethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.00094	0.00014
Carbon disulfide	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.01	0.0025	0.0032
Carbon tetrachloride	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.00064	0.00040
Chlorobenzene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.00094	0.00018
Chloroethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.0027	0.00060
Chloroform	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.00094	0.00018
Chloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.0035	0.0021
cis-1,2-Dichloroethene	mg/L	13	4	30.8%	0.001	0.013	0.0034	0.0054	8	4	50.0%	0.15	0.020	0.053
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.001	0.00094
Dibromochloromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.002	0.001	0.00070
Dibromomethane	mg/L	3	0	0.0%					3	0	0.0%	0.001	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.0015	0.0014
Ethylbenzene	mg/L	13	4	30.8%	0.001	0.00315	0.0014	0.00096	8	3	37.5%	0.23	0.030	0.081
Isopropylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
meta-para Xylenes	mg/L	11	4	36.4%	0.001	0.00191	0.0012	0.00046	7	3	42.9%	0.097	0.016	0.036
Methylene chloride	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	8	1	12.5%	0.0486	0.012	0.016
n-Butylbenzene	mg/L	2	0	0.0%	0.005	0.0663	0.040	0.032	2	0	0.0%	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
ortho-Xylene	mg/L	12	2	16.7%	0.001	0.001	0.0010	1.3E-11	7	2	28.6%	0.001	0.022	0.056
para-Xylene	mg/L	1	0	0.0%	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Styrene	mg/L	13	3	23.1%	0.001	0.00158	0.0011	0.00026	8	2	25.0%	0.005	0.0015	0.0015
tert-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Tetrachloroethene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.001	0.00064	0.00040
Toluene	mg/L	13	4	30.8%	0.002	0.00248	0.0021	0.00021	8	3	37.5%	0.005	0.00064	0.00040
trans-1,2-Dichloroethene	mg/L	13	2	15.4%	0.001	0.001	0.0010	1.3E-11	8	2	25.0%	0.005	0.0016	0.0010

Detection frequency of chemicals by sampling technique at Well CG-3

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge									
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.			
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.001	0.001	1.3E-11	8	2	25.0%	0.0005	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	4	30.8%	5	1	20.0%	0.002	0.00251	0.0021	0.0023	0.00023	8	3	37.5%	0.0005	0.042	0.0072	0.014
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.001	0.001	1.3E-11	8	2	25.0%	0.001	0.002	0.0011	0.00035
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.001	0.001	0.001	1.3E-11	6	2	33.3%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.001	0.001	1.3E-11	8	2	25.0%	0.0005	0.0075	0.0018	0.0023
Xylene isomers (total)	mg/L	13	4	30.8%	5	1	20.0%	0.002	0.003	0.0024	0.0052	0.00052	8	3	37.5%	0.001	0.247	0.034	0.086

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-4-D

Chemical	Units	Pre and Micropurge				Micropurge			
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.
<b>Field Parameters</b>									
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	6680	2010
Dissolved oxygen, w/vol	mg/L	15	15	100.0%	6	6	100.0%	6.43	2.31
Flow	mL/min	14	14	100.0%	5	5	100.0%	970	189
Frequency	Hz	9	9	100.0%	6	6	100.0%	151	-101
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	7.91	0.21
pH	pH	15	15	100.0%	6	6	100.0%	54.8	4.05
Temperature	degF	15	15	100.0%	6	6	100.0%	3.7	1.15
Turbidity	NTU	15	15	100.0%	6	6	100.0%	20	24
Volume Removed	L	14	14	100.0%	5	5	100.0%	2.16	1.54
<b>Hydrocarbons</b>									
Diesel Range Hydrocarbons	mg/L	4	3	75.0%	4	3	75.0%	0.0583	0.303
Gasoline Range Organics	mg/L	4	1	25.0%	4	1	25.0%	0.05	0.050
Lube oil	mg/L	4	1	25.0%	4	1	25.0%	0.5	0.5
<b>Metals</b>									
Arsenic	mg/L	7	7	100.0%	3	3	100.0%	0.013	0.014
Barium	mg/L	6	1	16.7%	3	0	0.0%	0.2	0
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.0050
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.010
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025
Cyanide	mg/L	4	2	50.0%	3	0	0.0%	0.003	0.0030
Lead	mg/L	7	2	28.6%	3	0	0.0%	0.002	0.0080
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.04	0.040
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.0050
Selenium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.010
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.02	0.020
Zinc	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.0010
<b>Polychlorinated Biphenyls</b>									
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010
<b>Semivolatile Organic Compounds</b>									
1,2,4-Trichlorobenzene	mg/L	9	1	11.1%	3	0	0.0%	0.001	0.0010
1,2-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.0010
2,4,5-Trichlorophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.0010
2,4,6-Trichlorophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.0010
2,4-Dichlorophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.0010
2,4-Dimethylphenol	mg/L	12	3	25.0%	3	3	60.0%	0.001	0.0010
2,6-Dinitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.0010
2,4-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010
2,6-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010
2-Chloronaphthalene	mg/L	10	2	20.0%	3	2	66.7%	0.001	0.0010
2-Chlorophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010
2-Methyl-4,6-dinitrophenol	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010
2-Methylnaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010
2-Methylphenol	mg/L	13	3	23.1%	5	3	60.0%	0.001	0.0010
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.0020
2-Nitrophenol	mg/L	10	2	20.0%	3	2	66.7%	0.001	0.0010
3,3'-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010

Detection frequency of chemicals by sampling technique at Well CG-4-D

Chemical	Units	Pre-Micropurge				Micropurge									
		No. of results	No. of detects	Detection frequency	No. of detects	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Average	Std. Dev.			
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0049	0.0080	0.0028
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.0097	0.0070	0.0047
4-Chloro-3-methylphenol	mg/L	10	2	20.0%	3	2	66.7%	0.002	0	7	0	0.0%	0.0019	0.0066	0.0042
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	5	0	0.0%	0.0019	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.0097	0.0070	0.0047
4-Methylphenol	mg/L	11	3	27.3%	5	3	60.0%	0.001	1.3E-11	6	0	0.0%	0.0097	0.0055	0.0049
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0049	0.0080	0.0028
4-Nitrophenol	mg/L	10	2	20.0%	3	2	66.7%	0.001	0	7	0	0.0%	0.0097	0.0078	0.0047
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0049	0.0080	0.0028
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0	2	0	0.0%	0.0097	0.0053	0.0051
Benz[a]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	5	0	0.0%	0.001	0.0048	0.0048
Benzidine	mg/L	6	0	0.0%	3	0	0.0%	0.001	0	3	0	0.0%	0.0097	0.0040	0.0052
Benz[a]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0044	0.0051
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0044	0.0051
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0044	0.0051
Benzofluoranthene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0	5	0	0.0%	0.001	0.0044	0.0051
Benzofluoranthene	mg/L	8	3	37.5%	3	2	66.7%	0.005	6.7E-11	5	1	20.0%	0.0049	0.0064	0.0051
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.002	0	6	0	0.0%	0.0019	0.0073	0.0042
bis[2-chloroethoxy]methane	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.0097	0.0070	0.0047
bis[2-chloroethyl]ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.0097	0.0070	0.0047
Bis[2-chloroisopropyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0070	0.0047
Bis[2-Ethylhexyl]phthalate	mg/L	8	2	25.0%	3	0	0.0%	0.002	0	5	2	40.0%	0.00152	0.0064	0.0049
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0072	0.0041
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0072	0.0041
Chrysene	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0012	3	0	0.0%	0.01	0.010	1.3E-10
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0049	0.0044	0.0051
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0080	0.0028
Diethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	1	12.5%	3	0	0.0%	0.001	0	5	1	20.0%	0.0097	0.0064	0.0049
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0048	0.0048
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0069	0.0043
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Hexachlorobutadiene	mg/L	9	1	11.1%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	6	1	16.7%	0.0097	0.0025	0.0037
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.0064	0.0049
Isophorone	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0044	0.0051
Methylphenol	mg/L	1	0	0.0%	5	0	0.0%	0.001	0.0022	1	0	0.0%	0.0025	0.0025	na
Naphthalene	mg/L	13	2	15.4%	3	0	0.0%	0.001	0	8	2	25.0%	0.001	0.0014	0.0015
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0064	0.0049
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.0097	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.0097	0.0064	0.0049
Perchlorophenol	mg/L	10	2	20.0%	3	2	66.7%	0.005	6.7E-11	7	0	0.0%	0.0097	0.0078	0.0027
Phenanthrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
Phenol	mg/L	13	3	23.1%	5	3	60.0%	0.001	1.3E-11	6	0	0.0%	0.0097	0.0057	0.0046
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.0053	0.0051
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	1	20.0%	5	1	20.0%	0.001	0.023	5	1	20.0%	0.001	0.0010	1.3E-11
1,1,1-Trichloroethane	mg/L	13	3	23.1%	5	0	0.0%	0.002	0.0028	8	2	25.0%	0.001	0.0010	0
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.0045	7	2	28.6%	0.001	0.0019	0.0011



Detection frequency of chemicals by sampling technique at Well CG-4-D

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge						
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.001	1.3E-11	0.001	0.001	0.001	0.0010	0
Trichloroethene	mg/L	13	3	23.1%	5	1	20.0%	0.002	0.012	0.012	0.0045	0.001	0.002	0.0014	0.00052	0.00052
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.001	1.3E-11	0.001	0.001	0.0010	0.0010	0
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.001	0.001	1.3E-11	0.001	0.001	0.0005	0.0030	0.0022
Vinyl chloride	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.14	0.14	0.029	0.001	0.001	0.0010	0.0010	0
Xylene isomers (total)	mg/L	13	6	46.2%	5	1	20.0%	0.002	0.0534	0.0534	0.023	0.00191	0.0239	0.0072	0.0079	0.0079

Note: na - not applicable

### Detection frequency of chemicals by sampling technique at Well CG-5-D

Chemical	Units	Pre and Micropurge					Pre-Micropurge					Micropurge						
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	5550	18300	13700	4530	10	10	100.0%	8700	591000	73100	182000
Dissolved oxygen, w/vol	mg/L	16	16	100.0%	6	6	100.0%	0	9.4	3.14	3.36	10	10	100.0%	0.036	5.89	2.61	1.94
Flow	mL/min	15	15	100.0%	5	5	100.0%	163	850	479	249	10	10	100.0%	128	275	230	48.3
Frequency	Hz	10	10	100.0%	6	6	100.0%	-232	175	-60.0	154	10	10	100.0%	83.3	109	92.0	7.70
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	7.08	8.06	7.57	0.35	10	10	100.0%	-202	220	-15.2	119
pH	pH	16	16	100.0%	6	6	100.0%	54.6	63.8	58.4	3.19	10	10	100.0%	6.79	7.55	7.34	0.25
Temperature	degF	16	16	100.0%	6	6	100.0%	0.99	25.5	7.87	9.88	10	10	100.0%	1	130	57.3	2.39
Turbidity	NTU	16	16	100.0%	6	6	100.0%	10.6	19.2	14.6	3.64	10	10	100.0%	1.77	11	4.88	3.05
Volume Removed	L	15	15	100.0%	5	5	100.0%					10	10	100.0%				
<b>Conventional Water Quality Parameters</b>																		
Fluoride	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	11	11	11.0	na
Nitrite	mg/L	1	0	0.0%	1	0	0.0%					1	0	0.0%	0.01	0.01	0.010	na
Sulfate	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	3.72	3.72	3.72	na
Total chloride	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	4180	4180	4180	na
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	2	50.0%	3	0	0.0%					4	2	50.0%	0.164	0.25	0.23	0.043
Gasoline Range Organics	mg/L	4	2	50.0%	3	0	0.0%					4	2	50.0%	0.0268	0.05	0.044	0.012
Lube oil	mg/L	4	2	50.0%	3	0	0.0%					4	2	50.0%	0.123	0.5	0.41	0.19
<b>Metals</b>																		
Antimony	mg/L	1	0	0.0%	1	0	0.0%					1	0	0.0%	0.06	0.06	0.060	na
Arsenic	mg/L	8	4	50.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	5	4	80.0%	0.000514	0.01	0.0037	0.0039
Barium	mg/L	7	1	14.3%	3	0	0.0%	0.2	0.2	0.20	0	4	1	25.0%	0.0421	0.2	0.16	0.079
Beryllium	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	0.00004	0.00004	0.000040	na
Cadmium	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	1	100.0%	0.001	0.005	0.0040	0.0020
Calcium	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	31.1	31.1	31.1	na
Chromium	mg/L	7	4	57.1%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	4	4	100.0%	0.0143	0.0221	0.020	0.0037
Copper	mg/L	7	2	28.6%	3	0	0.0%	0.025	0.025	0.025	0	4	2	50.0%	0.025	0.0677	0.043	0.022
Cyanide	mg/L	5	3	60.0%	3	0	0.0%					5	3	60.0%	0.01	0.689	0.15	0.30
Iron	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	3.98	3.98	3.98	na
Lead	mg/L	8	2	25.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	5	2	40.0%	0.000104	0.013	0.0040	0.0052
Magnesium	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	277	277	277	na
Manganese	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	0.14	0.14	0.14	na
Mercury	mg/L	5	0	0.0%	3	0	0.0%	0.0002	0.002	0.00080	0.0010	2	0	0.0%	0.0002	0.0002	0.00020	0
Nickel	mg/L	7	1	14.3%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	4	1	25.0%	0.0129	0.04	0.033	0.014
Potassium	mg/L	7	1	100.0%	1	1	100.0%					1	1	100.0%	126	126	126	na
Selenium	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.001	0.005	0.0040	0.0020
Silver	mg/L	7	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	4	0	0.0%	0.001	0.01	0.0078	0.0045
Sodium	mg/L	1	1	100.0%	1	1	100.0%					1	1	100.0%	3840	3840	3840	na
Thallium	mg/L	1	0	0.0%	1	0	0.0%					1	0	0.0%	0.2	0.2	0.20	na
Zinc	mg/L	7	1	14.3%	3	0	0.0%	0.02	0.02	0.020	2.7E-10	4	1	25.0%	0.02	0.0206	0.020	0.00030
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	7	1	14.3%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	1	25.0%	0.0001	0.00036	0.00036	0.00039
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.0003	0.00017	0.00012	4	0	0.0%	0.0001	0.0002	0.00015	0.00058
<b>Semivolatle Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.011	0.022
1,2-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00093	0.00018
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00093	0.00018
1,4-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	8	1	12.5%	0.0005	0.001	0.00093	0.00018
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.013	0.021

### Detection frequency of chemicals by sampling technique at Well CG-5-D

Chemical	Pre and Micropurge						Pre-Micropurige						Micropurige					
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.013	0.021
2,4-Dichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.013	0.021
2,4-Dimethylphenol	mg/L	12	4	33.3%	6	4	66.7%	0.001	0.001	0.0010	0.000041	0	0	0.0%	0.00094	0.05	0.012	0.019
2,4-Dinitrophenol	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	6	0	0.0%	0.0047	0.1	0.031	0.040
2,4-Dinitrotoluene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
2,6-Dinitrotoluene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
2-Chloronaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
2-Chlorophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	0	6	0	0.0%	0.00094	0.05	0.013	0.019
2-Methyl-4,6-dinitrophenol	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.0047	0.05	0.016	0.019
2-Methylnaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
2-Methylphenol	mg/L	13	4	30.8%	6	4	66.7%	0.001	0.001	0.0010	1.5E-11	7	0	0.0%	0.00094	0.05	0.012	0.017
2-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.00094	0.05	0.016	0.023
2-Nitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	0	6	0	0.0%	0.00094	0.05	0.013	0.019
3,3-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.014	0.020
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.0047	0.05	0.017	0.022
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.014	0.020
4-Chloro-3-methylphenol	mg/L	9	2	22.2%	3	2	66.7%	0.002	0.002	0.0020	0	6	0	0.0%	0.0019	0.05	0.013	0.018
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.0019	0.05	0.016	0.023
4-Chlorophenyl-phenyl ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.014	0.020
4-Methylphenol	mg/L	11	4	36.4%	6	4	66.7%	0.001	0.001	0.0010	1.5E-11	5	0	0.0%	0.00094	0.05	0.013	0.021
4-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.0047	0.05	0.017	0.022
4-Nitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	0	6	0	0.0%	0.00094	0.05	0.016	0.019
Acenaphthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.05	0.012	0.021
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.05	0.012	0.021
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.0047	0.05	0.017	0.022
Anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.05	0.012	0.021
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.00094	0.001	0.0097	0.00042
Benz(a)anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.0001	0.05	0.014	0.024
Benzo(a)pyrene	mg/L	6	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.00094	0.01	0.0040	0.0052
Benzo(b)fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.0001	0.05	0.013	0.025
Benzo(g)hperylene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.0001	0.05	0.013	0.025
Benzo(k)fluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.0001	0.05	0.013	0.025
Benzoic acid	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.0047	0.1	0.030	0.047
Benzyl alcohol	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.0019	0.05	0.015	0.020
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.014	0.020
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.014	0.020
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.002	0.25	0.077	0.12
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0	0.0%	0.01	0.05	0.030	0.028
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.05	0.012	0.021
Dibenz(a,h)anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.0001	0.05	0.013	0.025
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0	0.0%	0.0047	0.05	0.017	0.022
Diethyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.001	0.05	0.016	0.023
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
Di-n-butyl phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.001	0.001	0.0010	0.00029	4	1	25.0%	0.001	0.05	0.016	0.023
Di-n-octyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	4	1	25.0%	0.001	0.05	0.016	0.023
Fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.05	0.012	0.021
Fluorene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.0001	0.05	0.012	0.021
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00094	0.05	0.011	0.022
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
Hexachloroethane	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00094	0.05	0.015	0.023
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.0001	0.05	0.013	0.025



Detection frequency of chemicals by sampling technique at Well CG-5-D

Chemical	Pre and Micropurge						Micropurge						
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Std. Dev.	Average	Max	Min	Average	Std. Dev.
Isopropylbenzene	mg/L	2	0	0.0%	3	1	33.3%	0.0036	0.00889	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	10	3	30.0%	2	0	0.0%	0.0010	0.001	0.001	0.001	0.0010	0.0016
Methylene chloride	mg/L	13	7	53.8%	5	4	80.0%	0.088	0.201	0.0096	0.00131	0.018	0.037
n-Butylbenzene	mg/L	2	0	0.0%	5	1	20.0%	0.0013	0.0026	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	12	3	25.0%	2	0	0.0%	0.00072	0.001	0.001	0.001	0.0010	0.00011
ortho-Xylene	mg/L	2	0	0.0%	5	0	0.0%	0	0.001	0.001	0.001	0.0010	0
para-Xylene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00094	0.00018
Styrene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.0010	0
tert-Butylbenzene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00064	0.00040
Tetrachloroethene	mg/L	13	2	15.4%	5	1	20.0%	0.0023	0.00252	0.002	0.00012	0.0020	0.0024
Toluene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00094	0.00018
trans-1,2-Dichloroethene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00094	0.00018
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	2	15.4%	5	0	0.0%	2.6E-11	0.002	0.002	0.0005	0.0013	0.00075
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.0011	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.0030	0.0022
Vinyl chloride	mg/L	13	1	7.7%	5	0	0.0%	1.3E-11	0.001	0.001	0.001	0.00094	0.00018
Xylene isomers (total)	mg/L	13	3	23.1%	5	1	20.0%	0.0043	0.0115	0.002	0.001	0.0030	0.0018

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-5-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	Max	Average	Std. Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	492	1030	869	195	32600	4110	10000	
Dissolved oxygen, wd/vol	mg/L	16	16	100.0%	6	6	100.0%	0	1.33	0.95	0.48	0.47	28.5	8.46	
Flow	mL/min	15	15	100.0%	5	5	100.0%	358	744	506	150	155	300	254	
Frequency	Hz	10	10	100.0%								71.5	102	85.3	
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	-307	164	-108	159	-204	189	-32.8	
pH	pH	16	16	100.0%	6	6	100.0%	7.25	8.22	7.83	0.37	6.92	7.96	7.46	
Temperature	degF	16	16	100.0%	6	6	100.0%	55.8	73.8	62.0	6.42	54.3	63.3	58.7	
Turbidity	NTU	16	16	100.0%	6	6	100.0%	4.16	39	11.9	13.5	5.32	158	60.3	
Volume Removed	L	15	15	100.0%	5	5	100.0%	9	15.8	12.1	3.02	2.55	10	4.23	
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								0.133	0.281	0.068	
Gasoline Range Organics	mg/L	4	4	25.0%								0.05	0.050	0	
Lube oil	mg/L	4	2	50.0%								0.178	0.5	0.16	
<b>Metals</b>															
Arsenic	mg/L	7	3	42.9%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.00125	0.01	0.0036	
Barium	mg/L	6	1	16.7%	3	0	0.0%	0.2	0.2	0.20	0	0.0247	0.2	0.14	
Cadmium	mg/L	6	2	33.3%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.000171	0.0233	0.0095	
Chromium	mg/L	6	5	83.3%	3	3	100.0%	0.0119	0.018	0.015	0.0031	0.01	0.0222	0.014	
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	0.0129	0.025	0.021	
Cyanide	mg/L	4	2	50.0%								0.01	0.01	0.010	
Lead	mg/L	7	2	28.6%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	0.00079	0.003	0.0020	
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.0002	0.002	0.00080	0.0010				
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	0.00753	0.04	0.029	
Selenium	mg/L	6	1	16.7%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.000667	0.005	0.0036	
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	0.001	0.01	0.0070	
Zinc	mg/L	6	1	16.7%	3	0	0.0%	0.02	0.02	0.020	2.7E-10	0.00626	0.02	0.015	
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	7	1	14.3%	3	0	0.0%	0.0001	0.0002	0.00013	0.000058	0.0001	0.00273	0.0013	
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.002	0.00013	0.000058	0.0001	0.0003	0.00018	
<b>Semivolatile Organic Compounds</b>															
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00094	0.05	0.011	
1,2-Dichlorobenzene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	0.0005	0.001	0.00093	
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	0.0005	0.001	0.00093	
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	0.0005	0.001	0.00093	
2,4,5-Trichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.00094	0.05	0.013	
2,4,6-Trichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.00094	0.05	0.013	
2,4-Dichlorophenol	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.001	0.0010	0	0.00094	0.05	0.013	
2,4-Dimethylphenol	mg/L	12	4	33.3%	6	3	50.0%	0.001	0.0012	0.0010	0.000082	0.00094	0.05	0.012	
2,4-Dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	0.0047	0.1	0.031	
2,4-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.019	0.0070	0.010	0.00094	0.05	0.015	
2,6-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.02	0.0073	0.011	0.00094	0.05	0.015	
2-Chloronaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00094	0.05	0.015	
2-Chlorophenol	mg/L	9	2	22.2%	3	1	33.3%	0.001	0.001	0.0010	0	0.00094	0.05	0.013	
2-Methyl-4,6-dinitrophenol	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.005	0.0050	6.7E-11	0.0047	0.05	0.016	
2-Methylnaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00094	0.05	0.015	
2-Methylphenol	mg/L	13	4	30.8%	6	3	50.0%	0.001	0.001	0.0010	1.5E-11	0.00094	0.05	0.012	
2-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	0.0019	0.05	0.016	
2-Nitrophenol	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.001	0.0010	0	0.00094	0.05	0.013	
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0.00094	0.05	0.014	

Detection frequency of chemicals by sampling technique at Well CG-5-I

Chemical	Units	Pre-Micropurge			Micro-purge		
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency
3-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%
4-Chloro-3-methylphenol	mg/L	9	1	11.1%	3	1	33.3%
4-Chloroaniline	mg/L	7	0	0.0%	3	0	0.0%
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%
4-Methylphenol	mg/L	11	4	36.4%	6	3	50.0%
4-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%
4-Nitrophenol	mg/L	9	1	11.1%	3	1	33.3%
Acenaphthene	mg/L	8	0	0.0%	3	0	0.0%
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%
Aniline	mg/L	7	0	0.0%	3	0	0.0%
Anthracene	mg/L	8	0	0.0%	3	0	0.0%
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%
Benz[ <i>a</i> ]anthracene	mg/L	7	0	0.0%	3	0	0.0%
Benzofuran	mg/L	6	0	0.0%	3	0	0.0%
Benzofuran	mg/L	7	0	0.0%	3	0	0.0%
Benzo[ <i>b</i> ]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%
Benzo[ <i>ghi</i> ]perylene	mg/L	7	0	0.0%	3	0	0.0%
Benzo[ <i>k</i> ]fluoranthene	mg/L	7	0	0.0%	3	0	0.0%
Benzoic acid	mg/L	7	1	14.3%	3	1	33.3%
Benzyl alcohol	mg/L	8	0	0.0%	3	0	0.0%
bis[2-chloroethoxy]methane	mg/L	8	0	0.0%	3	0	0.0%
bis[2-chloroethyl]ether	mg/L	8	0	0.0%	3	0	0.0%
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	3	0	0.0%
bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	3	0	0.0%
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%
Carbazole	mg/L	2	0	0.0%	3	0	0.0%
Chrysene	mg/L	8	0	0.0%	3	0	0.0%
Dibenz[ <i>a,h</i> ]anthracene	mg/L	7	0	0.0%	3	0	0.0%
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%
Diethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%
Di-n-butyl phthalate	mg/L	7	2	28.6%	3	1	33.3%
Di-n-octyl phthalate	mg/L	7	0	0.0%	3	0	0.0%
Fluoranthene	mg/L	8	0	0.0%	3	0	0.0%
Fluorene	mg/L	8	0	0.0%	3	0	0.0%
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%
Hexachloroethane	mg/L	7	0	0.0%	3	0	0.0%
Indeno[1,2,3- <i>cd</i> ]pyrene	mg/L	7	0	0.0%	3	0	0.0%
Isophorone	mg/L	7	0	0.0%	3	0	0.0%
Methylphenol	mg/L	1	0	0.0%	5	1	20.0%
Naphthalene	mg/L	13	2	15.4%	3	0	0.0%
Nitrobenzene	mg/L	7	0	0.0%	3	0	0.0%
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	3	0	0.0%
N-nitrosodiphenylamine	mg/L	8	0	0.0%	3	0	0.0%
Pentachlorophenol	mg/L	9	1	11.1%	3	1	33.3%
Phenanthrene	mg/L	8	0	0.0%	3	0	0.0%
Phenol	mg/L	13	4	30.8%	6	3	50.0%
Pyrene	mg/L	8	0	0.0%	3	0	0.0%
<b>Volatile Organic Compounds</b>							
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	1	20.0%
1,1,1-Trichloroethane	mg/L	13	2	15.4%	5	1	20.0%
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	1	20.0%

Detection frequency of chemicals by sampling technique at Well CG-5-I

Chemical	Pre and Micropurge			Pre-Micropurge			Micropurge								
	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
1,1,2-Trichloro-1,2,2-Trifluoroethane	4	0	0.0%	1	0	0.0%	0.0010	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00070	0.00041
1,1-Dichloroethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
1,1-Dichloroethene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,1-Dichloropropene	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	3	0	0.0%						3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,2-Dichloropropane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
1,3,5-Trimethylbenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	4	0	0.0%						4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	13	2	15.4%	5	1	20.0%	0.0060	0.0022	8	1	12.5%	0.005	0.01	0.0081	0.0026
2-Chloroethylvinyl ether	1	0	0.0%	1	0	0.0%	0.0010	na	2	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	13	2	15.4%	5	1	20.0%	0.0058	0.0017	8	1	12.5%	0.005	0.01	0.0081	0.0026
2-Hexanone	13	2	15.4%	5	1	20.0%	0.0058	0.0017	8	1	12.5%	0.005	0.01	0.0081	0.0026
4-Chlorotoluene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	13	2	15.4%	5	1	20.0%	0.0060	0.0022	8	1	12.5%	0.005	0.01	0.0075	0.0027
Acetone	13	2	15.4%	5	1	20.0%	0.040	0.078	8	1	12.5%	0.005	0.01	0.0081	0.0026
Benzene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Bromobenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
Bromoform	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Bromomethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Carbon disulfide	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Carbon tetrachloride	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
Chlorobenzene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Chloroethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Chloroform	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Chloromethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
cis-1,2-Dichloroethene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
cis-1,3-Dichloropropene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Dibromochloromethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00070	0.00041
Dibromomethane	3	0	0.0%						3	0	0.0%	0.0005	0.001	0.00083	0.00029
Dichlorodifluoromethane	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Ethylbenzene	13	3	23.1%	5	1	20.0%	0.0012	0.00045	8	2	25.0%	0.0005	0.0035	0.0013	0.00093
Isopropylbenzene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	2	25.0%	0.0005	0.0035	0.0013	0.00093
meta & para Xylenes	10	2	20.0%	3	0	0.0%	0.0010	0	7	2	28.6%	0.001	0.0077	0.0029	0.0023
meta-Xylene	2	1	50.0%	2	1	50.0%	0.0015	0.00071	8	3	37.5%	0.00114	0.2	0.30	0.069
Methylene chloride	13	6	46.2%	5	3	60.0%	0.030	0.031	2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	12	3	25.0%	5	1	20.0%	0.0012	0.00045	7	2	28.6%	0.001	0.0012	0.0010	0.000076
para-Xylene	2	1	50.0%	2	1	50.0%	0.0015	0.00071	8	1	12.5%	0.0005	0.001	0.00094	0.00018
sec-Butylbenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Styrene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
tert-Butylbenzene	2	0	0.0%						2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0002	0.001	0.00064	0.00040
Toluene	13	3	23.1%	5	1	20.0%	0.024	0.0089	8	2	25.0%	0.005	0.013	0.0038	0.0051
trans-1,2-Dichloroethene	13	2	15.4%	5	1	20.0%	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018

Detection frequency of chemicals by sampling technique at Well CG-5-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	2	15.4%	5	1	20.0%	0.002	0.004	0.0024	0.00089	8	1	12.5%	0.0005	0.002	0.0013	0.00059
Trichlorofluoromethane	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	8	1	12.5%	0.001	0.002	0.0011	0.00035
Vinyl acetate	mg/L	11	2	18.2%	5	1	20.0%	0.001	0.002	0.0012	0.00045	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.002	0.0012	0.00045	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Xylene isomers (total)	mg/L	13	3	23.1%	5	1	20.0%	0.002	0.006	0.0030	0.0017	8	2	25.0%	0.001	0.0089	0.0036	0.0024

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-5-S1

Chemical	Pre and Microbudge							Microbudge							
	Units	No. of results	No. of Detection	No. of results	No. of Detection	No. of results	No. of Detection	Min	Average	Std.Dev.	No. of results	No. of Detection	Min	Average	Std.Dev.
<b>Field Parameters</b>															
Conductivity	µS/cm	16	100.0%	6	6	100.0%	173	453	318	92.1	10	100.0%	186	16300	5060
Dissolved oxygen, wt/vol	mg/L	16	100.0%	6	6	100.0%	0	7.52	2.41	3.34	10	100.0%	51	7.93	15.3
Flow	mL/min	15	100.0%	5	5	100.0%	368	900	557	228	10	100.0%	161	371	60.1
Frequency	Hz	10	100.0%								10	100.0%	64.6	89	77.8
Oxidation Reduction Potential	mV	16	100.0%	6	6	100.0%	-254	92	-78.7	134	10	100.0%	-27.2	203	63.4
pH		16	100.0%	6	6	100.0%	6.42	7.04	6.69	0.24	10	100.0%	5.34	7.34	7.34
Temperature	degF	16	100.0%	6	6	100.0%	58.1	78.5	65.0	7.23	10	100.0%	59.7	71.6	66.0
Turbidity	NTU	16	100.0%	6	6	100.0%	10.7	186	72.9	68.9	10	100.0%	37.8	239	115
Volume Removed	L	15	100.0%	5	5	100.0%	5	6.4	5.74	0.55	10	100.0%	2.05	6.6	4.42
<b>Hydrocarbons</b>															
Diesel Range Hydrocarbons	mg/L	4	50.0%	2	2	50.0%	0.0797	0.25	0.21	0.085	4	50.0%	0.0797	0.25	0.21
Gasoline Range Organics	mg/L	4	25.0%	1	1	25.0%	0.05	0.05	0.050	0	0	0	0.05	0.050	0
Lube oil	mg/L	4	25.0%	1	1	25.0%	0.5	0.5	0.50	0	0	0	0.5	0.50	0
<b>Metals</b>															
Arsenic	mg/L	8	100.0%	3	3	100.0%	0.0175	0.027	0.021	0.0053	5	100.0%	0.0129	0.0266	0.018
Barium	mg/L	6	0.0%	3	0	0.0%	0.2	0.2	0.20	0	3	0.0%	0.01	6.2	0.14
Cadmium	mg/L	6	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0.0%	0.001	0.005	0.0037
Chromium	mg/L	6	33.3%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	3	0.0%	0.0175	0.0114	0.0052
Copper	mg/L	6	0.0%	3	0	0.0%	0.025	0.025	0.025	0.025	3	0.0%	0.001	0.025	0.017
Cyanide	mg/L	4	50.0%	2	2	50.0%	0.01	0.01	0.010	0.01	4	50.0%	0.01	0.01	0.010
Lead	mg/L	8	12.5%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	5	1	0.00318	0.003	0.0017
Mercury	mg/L	3	0.0%	3	0	0.0%	0.0002	0.002	0.00080	0.0010	3	1	0.0019	0.04	0.027
Nickel	mg/L	6	16.7%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	3	1	0.001	0.005	0.0037
Selenium	mg/L	6	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.01	0.0176	0.0083
Silver	mg/L	6	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	3	1	0.01	0.02	0.017
Zinc	mg/L	6	16.7%	3	1	33.3%	0.02	0.038	0.026	0.010	3	0	0.01	0.02	0.017
<b>Polychlorinated Biphenyls</b>															
Aroclor® 1016	mg/L	8	12.5%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	1	0.0001	0.000909	0.00034
Aroclor® 1221	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
Aroclor® 1232	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
Aroclor® 1242	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
Aroclor® 1248	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
Aroclor® 1254	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
Aroclor® 1260	mg/L	8	0.0%	3	0	0.0%	0.0002	0.0002	0.00020	0	5	0	0.0001	0.0003	0.00018
1,2,4-Trichlorobenzene	mg/L	9	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.00097	0.01	0.0025
1,2-Dichlorobenzene	mg/L	14	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	11.1%	0.0005	0.001	0.00094
1,3-Dichlorobenzene	mg/L	14	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	11.1%	0.0005	0.001	0.00094
1,4-Dichlorobenzene	mg/L	14	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	11.1%	0.0005	0.001	0.00094
2,4,5-Trichlorophenol	mg/L	8	37.5%	3	3	100.0%	0.001	0.001	0.0010	0	5	0	0.00097	0.01	0.0054
2,4,6-Trichlorophenol	mg/L	8	37.5%	3	3	100.0%	0.001	0.001	0.0010	0	5	0	0.00097	0.01	0.0054
2,4-Dichlorophenol	mg/L	8	37.5%	3	3	100.0%	0.001	0.001	0.0010	0	5	0	0.00097	0.01	0.0054
2,4-Dimethylphenol	mg/L	12	41.7%	6	5	83.3%	0.001	0.001	0.0010	1.5E-11	6	0	0.00097	0.01	0.0054
2,4-Dinitrophenol	mg/L	8	37.5%	3	3	100.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.00097	0.01	0.0055
2,4-Dinitrotoluene	mg/L	7	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.00097	0.01	0.0055
2,6-Dinitrotoluene	mg/L	7	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.00097	0.01	0.0055
2-Chloronaphthalene	mg/L	7	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.00097	0.01	0.0055
2-Chlorophenol	mg/L	9	44.4%	3	3	100.0%	0.001	0.001	0.0010	0	6	1	0.00097	0.01	0.0062
2-Methyl-4,6-dinitrophenol	mg/L	8	37.5%	3	3	100.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.00097	0.01	0.0060
2-Methylnaphthalene	mg/L	7	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.00097	0.01	0.0055
2-Methylphenol	mg/L	13	46.2%	6	5	83.3%	0.001	0.001	0.0010	1.5E-11	7	1	0.00097	0.01	0.0061
2-Nitroaniline	mg/L	7	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0019	0.01	0.0060
2-Nitrophenol	mg/L	9	44.4%	3	3	100.0%	0.001	0.001	0.0010	0	6	1	0.00097	0.01	0.0062
3,3'-Dichlorobenzidine	mg/L	8	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.00097	0.01	0.0064

Detection frequency of chemicals by sampling technique at Well CG-5-S1

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge						
	mg/L	No. of results	No. of Detection detects frequency	No. of No. of Detection results - detects frequency	mg/L	Min	Max	Average	Std. Dev.	No. of results	No. of Detection detects frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.0050	6.7E-11	4	0	0.0%	0.0049	0.0075	0.0029
4-Bromophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
4-Chloro-3-methylphenol	mg/L	9	4	44.4%	3	3	100.0%	0.0020	0	6	1	16.7%	0.0019	0.0065	0.0040
4-Chloroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.0020	0	4	0	0.0%	0.0019	0.0060	0.0046
4-Chlorophenyl-phenyl ether	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
4-Methylphenol	mg/L	11	6	54.5%	6	6	100.0%	0.0011	0.00020	5	0	0.0%	0.00097	0.0046	0.0049
4-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.0050	6.7E-11	4	0	0.0%	0.0049	0.0075	0.0029
4-Nitrophenol	mg/L	9	4	44.4%	3	3	100.0%	0.0011	0.00017	5	1	16.7%	0.00097	0.0095	0.0088
Acenaphthene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Acenaphthylene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Aniline	mg/L	7	0	0.0%	3	0	0.0%	0.0050	6.7E-11	4	0	0.0%	0.0049	0.0075	0.0029
Anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.0010	0	2	0	0.0%	0.00097	0.0069	0.00021
Benz[a]anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.0020	0	4	0	0.0%	0.0001	0.0035	0.0044
Benz[c]anthracene	mg/L	6	0	0.0%	3	0	0.0%	0.0010	0	3	0	0.0%	0.00097	0.0040	0.0052
Benz[e]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.0001	0.0030	0.0047
Benzofluoranthene	mg/L	7	4	57.1%	3	3	100.0%	0.0050	6.7E-11	4	1	25.0%	0.0049	0.010	0.0071
Benzic acid	mg/L	8	0	0.0%	3	0	0.0%	0.0020	0	5	0	0.0%	0.0019	0.0068	0.0044
Benzyl alcohol	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
bis(2-chloroethoxy)methane	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
bis(2-chloroethyl)ether	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
Bis[2-chloroisopropyl]ether	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
bis[2-Ethylhexyl]phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.0020	0	4	0	0.0%	0.002	0.027	0.027
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Carbazole	mg/L	2	0	0.0%	3	0	0.0%	0.001	0	2	0	0.0%	0.01	0.010	0
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.0001	0.0030	0.0047
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.0050	6.7E-11	4	0	0.0%	0.0049	0.0075	0.0029
Diethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Di-n-butyl phthalate	mg/L	7	2	28.6%	3	1	33.3%	0.0012	0.00040	4	1	25.0%	0.001	0.0058	0.0048
Di-n-octyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.0010	0	4	1	25.0%	0.001	0.0063	0.0045
Fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Fluorene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Hexachlorobutadiene	mg/L	9	0	0.0%	3	0	0.0%	0.0010	0	6	0	0.0%	0.00097	0.0025	0.0037
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Hexachloroethane	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Indeno[1,2,3-cd]pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.0001	0.0030	0.0047
Isophorone	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
Methylphenol	mg/L	1	0	0.0%	3	0	0.0%	0.001	0	1	0	0.0%	0.005	0.0050	na
Naphthalene	mg/L	14	1	7.1%	5	0	0.0%	0.0026	0.0022	9	1	11.1%	0.0001	0.0013	0.0014
Nitrobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	3	0	0.0%	0.0010	0	4	0	0.0%	0.00097	0.0055	0.0052
N-nitrosodiphenylamine	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.00097	0.0064	0.0049
Pentachlorophenol	mg/L	9	4	44.4%	3	3	100.0%	0.0050	6.7E-11	6	1	16.7%	0.0049	0.0083	0.0049
Phenanthrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
Phenol	mg/L	13	6	46.2%	6	5	83.3%	0.0010	1.5E-11	7	1	14.3%	0.00097	0.0054	0.0045
Pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.0010	0	5	0	0.0%	0.0001	0.0044	0.0051
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	6	0	0.0%	5	0	0.0%	0.022	0.012	6	0	0.0%	0.0005	0.0092	0.00020
1,1,1-Trichloroethane	mg/L	14	13	92.9%	5	5	100.0%	0.041	0.012	9	8	88.9%	0.001	0.035	0.028
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.003	0.0028	7	1	14.3%	0.001	0.0019	0.0011

Detection frequency of chemicals by sampling technique at Well CG-5-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.002	0.002	0.0020	0
1,1,2-Trichloroethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.002	0.001	0.00073	0.00040
1,1-Dichloroethane	mg/L	14	12	85.7%	5	5	100.0%	0.0023	0.0063	0.0040	0.0015	9	7	77.8%	0.001	0.015	0.0038	0.00044
1,1-Dichloroethene	mg/L	14	2	14.3%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	2	22.2%	0.0017	0.001	0.00064	0.00043
1,1-Dichloropropene	mg/L	5	0	0.0%								5	0	0.0%	0.001	0.001	0.0010	1.3E-11
1,2,3-Trichlorobenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromo-3-chloropropane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dibromoethane	mg/L	4	0	0.0%								4	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0002	0.001	0.00068	0.00039
1,2-Dichloropropane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0002	0.001	0.00068	0.00039
1,3,5-Trimethylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
1,3-Dichloropropane	mg/L	5	0	0.0%								5	0	0.0%	0.001	0.001	0.0010	1.3E-11
2,2-Dichloropropane	mg/L	5	0	0.0%								5	0	0.0%	0.001	0.001	0.0010	1.3E-11
2-Butanone	mg/L	14	1	7.1%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	9	1	11.1%	0.005	0.01	0.0083	0.0025
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	3	0	0.0%	0.001	0.001	0.0010	0
2-Chlorotoluene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	14	1	7.1%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	9	1	11.1%	0.005	0.01	0.0083	0.0025
4-Chlorotoluene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	14	1	7.1%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	9	1	11.1%	0.005	0.01	0.0078	0.0026
Acetone	mg/L	14	1	7.1%	5	0	0.0%	0.005	0.005	0.0050	7.4E-11	9	1	11.1%	0.005	0.01	0.0083	0.0025
Benzene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Bromobenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
Bromoforn	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0002	0.001	0.00068	0.00039
Bromomethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Carbon disulfide	mg/L	14	2	14.3%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	2	22.2%	0.001	0.01	0.0021	0.0030
Carbon tetrachloride	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0002	0.001	0.00068	0.00039
Chlorobenzene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Chloroethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.001	0.001	0.0010	1.4E-11
Chloroform	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Chloromethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.001	0.005	0.0037	0.0020
cis-1,2-Dichloroethene	mg/L	14	2	14.3%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	2	22.2%	0.0005	0.00195	0.0011	0.00038
dis-1,3-Dichloropropene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Dibromochloromethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0002	0.001	0.00073	0.00040
Dibromomethane	mg/L	4	0	0.0%								4	0	0.0%	0.0005	0.001	0.00088	0.00025
Dichlorodifluoromethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.001	0.005	0.0014	0.0013
Ethylbenzene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Isopropylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
meta & para Xylenes	mg/L	12	2	16.7%	4	1	25.0%	0.001	0.00371	0.0017	0.0014	8	1	12.5%	0.001	0.002	0.0017	0.00045
Methylene chloride	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	9	2	22.2%	0.005	0.27	0.036	0.088
n-Butylbenzene	mg/L	14	5	35.7%	5	3	60.0%	0.005	0.0567	0.023	0.021	3	0	0.0%	0.001	0.001	0.0010	0
n-Propylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
ortho-Xylene	mg/L	13	0	0.0%								8	1	12.5%	0.001	0.001	0.0010	0
para-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	1.3E-11	3	0	0.0%	0.001	0.001	0.0010	0
sec-Butylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
Styrene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
tert-Butylbenzene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	14	3	21.4%	5	1	20.0%	0.002	0.0022	0.0020	0.00089	9	3	33.3%	0.0002	0.0079	0.0015	0.0024
Toluene	mg/L	14	3	21.4%	5	1	20.0%	0.002	0.0022	0.0020	0.00089	9	2	22.2%	0.0005	0.0036	0.0014	0.00096
trans-1,2-Dichloroethene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017

Detection frequency of chemicals by sampling technique at Well CG-5-S1

Chemical	Units	Pre and Micropurge					Pre-Micropurge					Micropurge						
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Trichloroethene	mg/L	14	11	78.6%	5	4	80.0%	0.002	0.002	0.0035	0.0013	9	7	77.8%	0.001	0.036	0.0089	0.012
Trichlorofluoromethane	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.001	0.002	0.0011	0.00033
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	14	1	7.1%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	9	1	11.1%	0.0005	0.001	0.00094	0.00017
Xylene isomers (total)	mg/L	14	2	14.3%	5	1	20.0%	0.002	0.002	0.0027	0.0012	9	1	11.1%	0.001	0.003	0.0025	0.00071

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-6-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	47.3	295	204	94.5	9	9	100.0%	161	7770	1070	2510
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0	9.6	4.06	4.12	9	9	100.0%	0.862	6.89	2.64	2.05
Flow	mL/min	14	14	100.0%	5	5	100.0%	397	757	553	149	9	9	100.0%	135	320	212	56.9
Frequency	Hz	8	8	100.0%								8	8	100.0%	5.36	163	104	47.1
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-235	68.8	-60.8	136	9	9	100.0%	-122	81.7	1.73	70.5
pH	pH	15	15	100.0%	6	6	100.0%	5.02	6.37	5.96	0.52	9	9	100.0%	5.68	7.82	6.51	0.65
Temperature	degF	15	15	100.0%	6	6	100.0%	55.7	73.6	60.7	6.56	9	9	100.0%	55.2	71.1	63.5	5.35
Turbidity	NTU	15	15	100.0%	6	6	100.0%	1.18	5	2.59	1.39	9	9	100.0%	1.05	10.3	3.94	3.48
Volume Removed	L	14	14	100.0%	5	5	100.0%	4	7.4	5.34	1.48	9	9	100.0%	1.1	4.23	2.76	1.05
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	4	100.0%								4	4	100.0%	0.25	0.464	0.34	0.091
Gasoline Range Organics	mg/L	4	4	100.0%								4	4	100.0%	0.05	21.9	7.80	9.70
Lube oil	mg/L	4	1	25.0%								4	1	25.0%	0.5	0.5	0.50	0
<b>Metals</b>																		
Arsenic	mg/L	7	3	42.9%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	4	3	75.0%	0.00186	0.01	0.0044	0.0038
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0.2	0.20	0	3	0	0.0%	0.01	0.2	0.14	0.11
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	3	1	33.3%	0.00531	0.01	0.0084	0.0027
Copper	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0	3	1	33.3%	0.00218	0.025	0.017	0.013
Cyanide	mg/L	4	2	50.0%								4	2	50.0%	0.01	0.01	0.010	0
Lead	mg/L	7	2	28.6%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	4	2	50.0%	0.000235	0.003	0.0019	0.0013
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.002	0.002	0.00080	0.0010	3	0	0.0%	0.00383	0.04	0.028	0.021
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.04	0.04	0.040	5.4E-10	3	1	33.3%	0.00383	0.04	0.028	0.021
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.01	0.0070	0.0052
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	1.3E-10	3	0	0.0%	0.001	0.01	0.0070	0.0052
Zinc	mg/L	6	2	33.3%	3	1	33.3%	0.02	0.024	0.021	0.0023	3	1	33.3%	0.0191	0.02	0.020	0.0052
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.00005	0.000050	0	4	0	0.0%	0.00005	0.0003	0.00016	0.00011
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.00005	0.000050	0	4	0	0.0%	0.00005	0.0003	0.00016	0.00011
Aroclor® 1232	mg/L	7	2	28.6%	3	1	33.3%	0.00005	0.00038	0.0013	0.0022	4	1	25.0%	0.00005	0.00246	0.00073	0.0012
Aroclor® 1242	mg/L	7	2	28.6%	3	1	33.3%	0.00005	0.00016	0.00057	0.00089	4	1	25.0%	0.00005	0.00148	0.00051	0.00066
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.00005	0.00005	0.000050	0	4	0	0.0%	0.00005	0.0003	0.00016	0.00011
Aroclor® 1254	mg/L	7	2	28.6%	3	2	66.7%	0.00005	0.00051	0.00032	0.00024	4	0	0.0%	0.00005	0.0003	0.00016	0.00011
Aroclor® 1260	mg/L	7	2	28.6%	3	1	33.3%	0.00005	0.0002	0.00010	0.00087	4	1	25.0%	0.0001	0.0003	0.00019	0.00084
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	8	6	75.0%	3	2	66.7%	0.001	0.0013	0.0011	0.00017	5	4	80.0%	0.00135	0.0209	0.0058	0.0085
1,2-Dichlorobenzene	mg/L	13	8	61.5%	5	3	60.0%	0.001	0.005	0.0031	0.0015	8	5	62.5%	0.00094	0.012	0.0049	0.0053
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.00097	0.001	0.0010	0.000011
1,4-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.00097	0.001	0.0010	0.000011
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.0209	0.0076	0.0083
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.0209	0.0076	0.0083
2,4-Dichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0.014	6	1	16.7%	0.00097	0.0209	0.0076	0.0083
2,4-Dimethylphenol	mg/L	11	6	54.5%	5	5	100.0%	0.001	0.032	0.0072	0.014	6	1	16.7%	0.00097	0.0209	0.0076	0.0083
2,4-Dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.00097	0.0209	0.0076	0.0083
2,4-Dinitrotoluene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0057	0.0026	0.0027	4	0	0.0%	0.00097	0.0209	0.0076	0.0083
2,6-Dinitrophenol	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00097	0.0209	0.0076	0.0083
2-Chloronaphthalene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0	0.0%	0.00097	0.0209	0.0076	0.0083
2-Chlorophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	0	4	0	0.0%	0.00097	0.0209	0.0076	0.0083
2-Methyl-4,6-dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.00097	0.0209	0.0076	0.0083
2-Methylnaphthalene	mg/L	7	7	100.0%	3	3	100.0%	0.0046	0.013	0.0075	0.0047	4	4	100.0%	0.00366	0.011	0.0062	0.0033
2-Methylphenol	mg/L	12	5	41.7%	5	4	80.0%	0.001	0.001	0.0010	1.3E-11	7	1	14.3%	0.00097	0.0209	0.0076	0.0083
2-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0	0.0%	0.0019	0.0209	0.0087	0.0090
2-Nitrophenol	mg/L	9	2	22.2%	3	2	66.7%	0.001	0.001	0.0010	0	6	0	0.0%	0.00097	0.0209	0.0076	0.0083
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.00097	0.0209	0.0076	0.0083



Detection frequency of chemicals by sampling technique at Well CG-6-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge						
	Units	No. of results	No. of detections	No. of detects	No. of frequency	Units	Min	Max	Average	Std. Dev.	No. of results	No. of detections	No. of detects	No. of frequency	Min	Max	Average
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	2	50.0%	1	0	0.0%	0.005	0.005	na	3	2	66.7%	0.002	0.0257	0.011	0.013
1,1,2-Trichloroethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.0022	0.002	0.00093	0.00057
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.12	0.504	0.28	8	8	100.0%	0.195	0.016	0.052	0.049
1,1-Dichloroethene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.005	0.0034	8	3	37.5%	0.002	0.0017	0.00092	0.00045
1,1-Dichloropropene	mg/L	4	0	0.0%	0	0	0.0%				4	0	0.0%	0.001	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.00077	0.00089	2	1	50.0%	0.001	0.00089	0.00016	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	3	0	0.0%				3	0	0.0%	0.001	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	3	3	100.0%	0.0374	0.13	0.080	3	3	100.0%	0.0374	0.13	0.080	0.047
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	3	0	0.0%				3	0	0.0%	0.001	0.005	0.0037	0.0023
1,2-Dibromoethane	mg/L	3	0	0.0%	3	0	0.0%				3	0	0.0%	0.001	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	5	38.5%	5	3	60.0%	0.0045	0.017	0.0078	8	2	25.0%	0.002	0.001	0.00080	0.00037
1,2-Dichloropropane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.002	0.001	0.00080	0.00037
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	2	2	100.0%				2	2	100.0%	0.0328	0.0355	0.034	0.0019
1,3-Dichloropropane	mg/L	4	0	0.0%	4	0	0.0%				4	0	0.0%	0.001	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%	4	0	0.0%				4	0	0.0%	0.001	0.001	0.0010	0
2-Butanone	mg/L	13	2	15.4%	5	1	20.0%	0.005	0.217	0.059	8	4	50.0%	0.001	0.001	0.0010	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	8	1	12.5%	0.005	0.025	0.012	0.0070
2-Chlorotoluene	mg/L	2	0	0.0%	2	0	0.0%				2	0	0.0%	0.001	0.001	0.0010	0
2-Hexanone	mg/L	13	1	7.7%	5	0	0.0%	0.005	0.025	0.017	8	1	12.5%	0.005	0.025	0.012	0.0070
4-Chlorotoluene	mg/L	2	0	0.0%	2	0	0.0%				2	0	0.0%	0.001	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	1	50.0%	2	1	50.0%				2	1	50.0%	0.001	0.00914	0.0051	0.0056
4-Methyl-2-pentanone	mg/L	13	4	30.8%	5	1	20.0%	0.005	0.025	0.018	8	3	37.5%	0.00382	0.044	0.015	0.013
Acetone	mg/L	13	3	23.1%	5	1	20.0%	0.005	0.12	0.042	8	2	25.0%	0.005	0.0295	0.013	0.0091
Benzene	mg/L	13	11	84.6%	5	5	100.0%	0.0076	0.0376	0.019	8	6	75.0%	0.001	0.024	0.0053	0.0077
Bromobenzene	mg/L	2	0	0.0%	2	0	0.0%				2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	2	0	0.0%				2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.002	0.001	0.00080	0.00037
Bromoforn	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.005	0.0015	0.0014
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.005	0.0015	0.0014
Carbon disulfide	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.00614	0.0020	8	1	12.5%	0.001	0.02	0.0044	0.0066
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.002	0.001	0.00080	0.00037
Chlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.005	0.0015	0.0014
Chloroethane	mg/L	13	9	69.2%	5	5	100.0%	0.0033	0.0462	0.019	8	4	50.0%	0.001	0.0062	0.0029	0.0022
Chloroform	mg/L	13	4	30.8%	5	3	60.0%	0.0014	0.0088	0.0026	8	1	12.5%	0.001	0.005	0.0015	0.0014
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.01	0.0046	0.0028
cis-1,2-Dichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.26	2.86	1.24	8	8	100.0%	0.0145	0.49	0.12	0.16
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.005	0.0015	0.0014
n-Propylbenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.002	0.002	0.00093	0.00057
Dibromochloromethane	mg/L	3	0	0.0%	3	0	0.0%				3	0	0.0%	0.001	0.001	0.0010	0
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	8	1	12.5%	0.001	0.001	0.0010	0
Ethylbenzene	mg/L	13	13	100.0%	5	5	100.0%	0.51	11.9	4.84	8	8	100.0%	0.67	9.7	3.37	3.20
Isopropylbenzene	mg/L	2	2	100.0%	2	2	100.0%				2	2	100.0%	0.05583	0.0154	0.011	0.0068
meta & para Xylenes	mg/L	11	11	100.0%	4	4	100.0%	0.3	2.95	1.03	7	7	100.0%	0.128	2	0.94	0.75
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.005	0.0050	na	8	2	25.0%	0.00129	0.025	0.0077	0.0074
Methylene chloride	mg/L	13	4	30.8%	5	2	40.0%	0.0063	0.072	0.045	8	2	25.0%	0.000976	0.001	0.00099	0.00017
n-Butylbenzene	mg/L	2	1	50.0%	2	1	50.0%	0.13	0.571	0.30	2	1	50.0%	0.042	0.96	0.33	0.33
n-Propylbenzene	mg/L	2	12	100.0%	5	5	100.0%	1.7	1.7	1.70	7	7	100.0%	0.042	0.96	0.33	0.33
ortho-Xylene	mg/L	12	12	100.0%	5	5	100.0%	0.13	0.571	0.30	2	2	100.0%	0.042	0.96	0.33	0.33
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	1.7	1.7	1.70	7	7	100.0%	0.042	0.96	0.33	0.33
sec-Butylbenzene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.014	0.0052	8	2	25.0%	0.00129	0.025	0.0077	0.0074
Styrene	mg/L	13	2	15.4%	5	1	20.0%	0.001	0.014	0.0052	8	2	25.0%	0.00129	0.025	0.0077	0.0074
tert-Butylbenzene	mg/L	2	0	0.0%	2	0	0.0%				2	0	0.0%	0.001	0.005	0.0015	0.0014
Tetrachloroethene	mg/L	13	8	61.5%	5	1	20.0%	0.001	0.005	0.0039	8	7	87.5%	0.001	0.001	0.0010	0
Toluene	mg/L	13	13	100.0%	5	5	100.0%	0.43	4.75	1.84	8	8	100.0%	0.117	4.2	1.26	1.41
trans-1,2-Dichloroethene	mg/L	13	7	53.8%	5	1	20.0%	0.001	0.005	0.0034	8	6	75.0%	0.000717	0.005	0.0017	0.0014

Detection frequency of chemicals by sampling technique at Well CG-6-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	0.0022	8	1	12.5%	0.001	0.005	0.0015	0.0014
Trichloroethene	mg/L	13	13	100.0%	5	5	100.0%	0.016	0.036	0.025	0.0076	8	8	100.0%	0.0064	0.29	0.061	0.10
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0034	0.0022	8	1	12.5%	0.001	0.005	0.0019	0.0016
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.005	0.0034	0.0022	6	1	16.7%	0.001	0.01	0.0045	0.0033
Vinyl chloride	mg/L	13	13	100.0%	5	5	100.0%	0.031	0.105	0.061	0.026	8	8	100.0%	0.00617	0.12	0.033	0.040
Xylene isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	0.46	3.52	1.46	1.35	8	8	100.0%	0.164	2.66	1.12	1.04

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-7-S1

Chemical	Units	Pre and Micropurge				Micropurge										
		No. of results	No. of detects	frequency	No. of results	No. of detects	frequency	Average	Std. Dev.							
<b>Field Parameters</b>																
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	282	101	9	9	100.0%	217	12800	1660	4180
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0.85	0.84	9	9	100.0%	0.68	5.63	2.25	1.73
Flow	mL/min	14	14	100.0%	5	5	100.0%	620	92.8	9	9	100.0%	162	317	247	46.8
Frequency	Hz	9	9	100.0%	5	5	100.0%	760	620	9	9	100.0%	61.8	90	72.3	8.04
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	88	-51.5	9	9	100.0%	-106	83	-29.8	60.3
pH	pH	15	15	100.0%	6	6	100.0%	6.38	0.48	9	9	100.0%	6.31	6.9	6.54	0.17
Temperature	degF	15	15	100.0%	6	6	100.0%	58.9	6.96	9	9	100.0%	60.2	72	65.1	3.84
Turbidity	NTU	14	14	100.0%	6	6	100.0%	15	4.39	8	8	100.0%	0.685	9.9	2.74	3.06
Volume Removed	L	14	14	100.0%	5	5	100.0%	5	1.78	9	9	100.0%	2.25	7.7	3.69	1.73
<b>Hydrocarbons</b>																
Diesel Range Hydrocarbons	mg/L	4	4	75.0%	3	3	75.0%	0.25	1.67	4	4	75.0%	0.25	1.67	0.78	0.68
Gasoline Range Organics	mg/L	4	4	100.0%	4	4	100.0%	0.26	4.18	4	4	100.0%	0.26	4.18	2.22	1.75
Lube oil	mg/L	4	2	50.0%	4	2	50.0%	0.955	0.5	4	2	50.0%	0.955	0.5	0.40	0.20
<b>Metals</b>																
Arsenic	mg/L	7	3	42.9%	3	0	0.0%	0.01	1.3E-10	4	3	75.0%	0.00185	0.01	0.0040	0.0040
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.2	0	3	0	0.0%	0.01	0.2	0.14	0.11
Cadmium	mg/L	6	0	0.0%	3	0	0.0%	0.005	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	0.0023
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	1.3E-10	3	1	33.3%	0.00196	0.01	0.0073	0.0046
Copper	mg/L	6	0	0.0%	3	0	0.0%	0.025	0	3	0	0.0%	0.001	0.025	0.017	0.014
Cyanide	mg/L	4	2	50.0%	3	0	0.0%	0.003	6.7E-11	4	2	50.0%	0.001	0.01	0.010	0
Lead	mg/L	7	0	0.0%	3	0	0.0%	0.003	0.0030	4	0	0.0%	0.001	0.003	0.0020	0.0012
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.002	0.0080	4	0	0.0%	0.001	0.003	0.0022	0.00096
Nickel	mg/L	6	1	16.7%	3	0	0.0%	0.04	5.4E-10	3	1	33.3%	0.001	0.04	0.027	0.023
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.005	6.7E-11	3	0	0.0%	0.001	0.005	0.0037	0.0023
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	1.3E-10	3	0	0.0%	0.001	0.01	0.0070	0.0052
Zinc	mg/L	6	1	16.7%	3	0	0.0%	0.02	2.7E-10	3	1	33.3%	0.0113	0.02	0.017	0.0050
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0003	4.2E-12	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00023	4	0	0.0%	0.0001	0.0003	0.00022	0.000096
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.00097	0.0196	0.0047	0.0083
1,2-Dichlorobenzene	mg/L	13	9	69.2%	5	4	80.0%	0.0029	0.0051	8	5	62.5%	0.000518	0.019	0.0053	0.0067
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	8	1	12.5%	0.0005	0.001	0.00093	0.00018
1,4-Dichlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.005	8	3	37.5%	0.00022	0.0051	0.0014	0.0015
2,4,5-Trichlorophenol	mg/L	7	2	28.6%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2,4,6-Trichlorophenol	mg/L	7	2	28.6%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2,4-Dichlorophenol	mg/L	7	2	28.6%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2,4-Dimethylphenol	mg/L	11	7	63.6%	6	5	83.3%	0.001	0.026	5	2	40.0%	0.00097	0.0196	0.0090	0.0073
2,4-Dinitrophenol	mg/L	7	2	28.6%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2,4-Dinitrotoluene	mg/L	7	0	0.0%	3	0	0.0%	0.001	6.7E-11	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2,6-Dinitrotoluene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2-Chloronaphthalene	mg/L	7	5	71.4%	3	3	100.0%	0.0019	0.0038	4	0	0.0%	0.00097	0.0196	0.0079	0.0089
2-Chlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2-Methyl-4,6-dinitrophenol	mg/L	7	7	100.0%	3	3	100.0%	0.0027	0.014	4	4	100.0%	0.0014	0.0135	0.0061	0.0057
2-Methylnaphthalene	mg/L	12	5	41.7%	6	4	66.7%	0.001	0.015	6	1	16.7%	0.00097	0.0234	0.011	0.0093
2-Methylphenol	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.0020	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2-Nitroaniline	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
2-Nitrophenol	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	4	0	0.0%	0.00097	0.0196	0.0066	0.0088
3,3'-Dichlorobenzidine	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0010	4	0	0.0%	0.00097	0.0196	0.0066	0.0088

Detection frequency of chemicals by sampling technique at Well CG-7-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge						
		No. of results	No. of detects	Frequency	No. of No. of detects	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Frequency	Min	Max	Average	Std. Dev.
3-Nitroaniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	0.0049	0.196	0.0099	0.0069	
4-Bromophenyl-phenyl ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0	0.0097	0.196	0.0089	
4-Chloro-3-methylphenol	mg/L	8	3	37.5%	3	0	0.0%	0.002	0.0089	0.0043	0.0040	0	0.0019	0.0077	0.0074	
4-Chloroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.002	0.1	0.035	0.057	0	0.0019	0.196	0.0084	
4-Chlorophenyl-phenyl ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	0	0.0097	0.196	0.0089	
4-Methylphenol	mg/L	10	6	60.0%	6	5	83.3%	0.001	0.0048	0.0016	0.0016	4	0.0097	0.057	0.024	
4-Nitroaniline	mg/L	7	1	14.3%	3	1	33.3%	0.005	0.005	0.012	0.012	0	0.0049	0.196	0.0069	
4-Nitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	0	0.0097	0.025	0.011	
Acenaphthene	mg/L	8	6	75.0%	3	2	66.7%	0.001	0.013	0.0062	0.0062	5	0.001	0.00664	0.0023	
Acenaphthylene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	5	0.001	0.196	0.0079	
Aniline	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0.0049	0.196	0.0069	
Anthracene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0013	0.0011	0.00017	5	0.001	0.196	0.0084	
Azobenzene	mg/L	5	1	20.0%	3	1	33.3%	0.001	0.0061	0.0027	0.0029	2	0.00097	0.001	0.00021	
Benz(a)anthracene	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0.001	0.196	0.0092	
Benzidine	mg/L	5	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0.00097	0.001	0.00021	
Benzoflapyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0095	
Benzofluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0095	
Benzofluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0095	
Benzofluoranthene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0095	
Benzoic acid	mg/L	7	2	28.6%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	4	0.0049	0.0393	0.017	
Benzyl alcohol	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	4	0.0019	0.196	0.0084	
bis(2-chloroethoxy)methane	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
bis(2-chloroethyl)ether	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.0013	0.0011	0.00017	4	0.0097	0.196	0.0089	
Bis(2-chloroisopropyl)ether	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
bis(2-Ethylhexyl)phthalate	mg/L	7	4	57.1%	3	2	66.7%	0.002	0.01	0.0054	0.0041	4	0.00443	0.05	0.017	
Butylbenzyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Carbazole	mg/L	2	1	50.0%	3	0	0.0%	0.001	0.001	0.0010	0	2	0.01	0.179	0.014	
Chrysene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0.001	0.196	0.0084	
Dibenz(a,h)anthracene	mg/L	7	2	28.6%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	4	0.00139	0.005	0.0035	
Dibenzofuran	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Diethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Dimethyl phthalate	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Di-n-butyl phthalate	mg/L	7	5	71.4%	3	3	100.0%	0.0022	0.0067	0.0042	0.0023	4	0.00457	0.196	0.010	
Di-n-octyl phthalate	mg/L	7	1	14.3%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0089	
Fluoranthene	mg/L	8	7	87.5%	3	2	66.7%	0.001	0.001	0.0010	0	5	0.001	0.196	0.0084	
Fluorene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.0058	0.0030	0.0025	5	0.000912	0.00405	0.0013	
Hexachlorobenzene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0.0097	0.196	0.0083	
Hexachlorocyclopentadiene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Hexachloroethane	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.1	0.034	0.057	4	0.0097	0.196	0.0089	
Indeno(1,2,3-cd)pyrene	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.001	0.196	0.0095	
Isophorone	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.064	0.022	0.036	4	0.0097	0.196	0.0089	
Methylphenol	mg/L	1	0	0.0%	5	4	80.0%	0.025	0.316	0.17	0.11	1	0.005	0.0050	na	
Naphthalene	mg/L	13	12	92.3%	3	1	33.3%	0.001	0.0021	0.0014	0.00064	8	0.0095	0.43	0.13	
Nitrobenzene	mg/L	7	1	14.3%	3	1	33.3%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
N-nitroso-di-n-propylamine	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
N-nitrosodiphenylamine	mg/L	7	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	4	0.0097	0.196	0.0089	
Pentachlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	6.7E-11	5	0.0049	0.196	0.0060	
Phenanthrene	mg/L	8	3	37.5%	3	0	0.0%	0.001	0.001	0.0010	0	5	0.00304	0.01	0.0041	
Phenol	mg/L	12	7	58.3%	6	4	66.7%	0.001	0.001	0.0010	1.5E-11	6	0.0097	0.0742	0.028	
Pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0.0097	0.196	0.0063	
<b>Volatile Organic Compounds</b>																
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	4	80.0%	0.0022	0.035	0.012	0.014	5	0.005	0.001	0.0090	
1,1,1-Trichloroethane	mg/L	13	10	76.9%	5	0	0.0%	0.003	0.015	0.0054	0.0054	8	0.009	0.15	0.029	
1,1,2,2-Tetrachloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.003	0.015	0.0054	0.0054	7	0.001	0.003	0.0019	

Detection frequency of chemicals by sampling technique at Well CG-7-S1

Chemical	Pre-Micropurge					Micropurge									
	Units	No. of results	Detection frequency	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	Detection frequency	Min	Max	Average	Std. Dev.
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	1	25.0%	0	0.001	0.001	0.0010	na	3	1	33.3%	0.002	0.00292	0.00053
1,1,2-Trichloroethane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.002	0.00070	0.00041
1,1-Dichloroethane	mg/L	13	13	100.0%	5	0.012	0.14	0.047	0.053	8	8	100.0%	0.00265	0.069	0.15
1,1-Dichloroethene	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0002	0.00064	0.00040
1,1-Dichloropropene	mg/L	4	0	0.0%	0					4	0	0.0%	0.001	0.0010	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	0					2	0	0.0%	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	3	100.0%	0					3	0	0.0%	0.001	0.0010	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	0					3	3	100.0%	0.0177	0.11	0.10
1,2-Dibromo-3-chloropropane	mg/L	3	1	33.3%	0					3	3	100.0%	0.0094	0.0023	0.0023
1,2-Dibromoethane	mg/L	3	0	0.0%	0					3	0	0.0%	0.001	0.0010	0
1,2-Dichloroethane	mg/L	13	9	69.2%	5	0.0017	0.0085	0.0049	0.0024	8	5	62.5%	0.0002	0.00056	0.00045
1,2-Dichloropropane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.0002	0.00064	0.00040
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	0					2	2	100.0%	0.0712	0.135	0.10
1,3-Dichloropropane	mg/L	4	0	0.0%	0					4	0	0.0%	0.001	0.0010	0
2,2-Dichloropropane	mg/L	4	0	0.0%	0					4	0	0.0%	0.001	0.0010	0
2-Butanone	mg/L	13	1	7.7%	5	0.005	0.025	0.0090	0.0089	8	1	12.5%	0.005	0.0081	0.0026
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0.001	0.001	0.0010	na	2	0	0.0%	0.001	0.0010	0
2-Chlorotoluene	mg/L	2	1	50.0%	0					2	1	50.0%	0.007	0.0085	0.0021
2-Hexanone	mg/L	13	1	7.7%	5	0.005	0.025	0.0090	0.0089	8	1	12.5%	0.005	0.0081	0.0021
4-Chlorotoluene	mg/L	2	1	50.0%	0					2	1	50.0%	0.00672	0.0084	0.0023
4-Isopropyltoluene	mg/L	2	2	100.0%	0					2	2	100.0%	0.00727	0.0099	0.0037
4-Methyl-2-pentanone	mg/L	13	3	23.1%	5	0.005	0.025	0.011	0.0084	8	1	12.5%	0.005	0.0075	0.0027
Acetone	mg/L	13	2	15.4%	5	0.005	0.025	0.015	0.0099	8	1	12.5%	0.005	0.0081	0.0026
Benzene	mg/L	13	7	53.8%	5	0.0011	0.13	0.028	0.057	8	3	37.5%	0.000344	0.0052	0.012
Bromobenzene	mg/L	2	0	0.0%	0					2	0	0.0%	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	0					2	0	0.0%	0.001	0.0010	0
Bromodichloromethane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0002	0.00064	0.00040
Bromoforn	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0005	0.00094	0.00018
Bromomethane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.001	0.0015	0.0014
Carbon disulfide	mg/L	13	3	23.1%	5	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.000704	0.0021	0.0032
Carbon tetrachloride	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0002	0.00064	0.00040
Chlorobenzene	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0005	0.0014	0.0013
Chloroethane	mg/L	13	6	46.2%	5	0.0013	0.005	0.0033	0.0016	8	2	25.0%	0.001	0.0084	0.0026
Chloroform	mg/L	13	1	7.7%	5	0.001	0.005	0.0020	0.0017	8	0	0.0%	0.0005	0.0042	0.0012
Chloromethane	mg/L	13	2	15.4%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.001	0.005	0.0035
cis-1,2-Dichloroethene	mg/L	13	11	84.6%	5	0.014	0.057	0.032	0.016	8	7	87.5%	0.001	0.028	0.011
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0005	0.00094	0.00018
Dibromochloromethane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0002	0.00070	0.00041
Dibromomethane	mg/L	3	0	0.0%	0					3	0	0.0%	0.0005	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	1	7.7%	5	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.001	0.0015	0.0014
Ethylbenzene	mg/L	13	13	100.0%	5	0.022	0.496	0.35	0.11	8	8	100.0%	0.00935	1	0.22
Isopropylbenzene	mg/L	2	2	100.0%	0					2	2	100.0%	0.0268	0.0341	0.030
meta & para Xylenes	mg/L	10	10	100.0%	3	0.32	1.23	0.82	0.46	7	7	100.0%	0.00989	3.4	0.68
Methylene chloride	mg/L	13	4	30.8%	1	0.001	0.001	0.0010	na	8	2	25.0%	0.00618	0.005	0.0045
n-Butylbenzene	mg/L	2	1	50.0%	2	0.012	0.402	0.24	0.15	2	1	50.0%	0.001	0.0112	0.0072
n-Propylbenzene	mg/L	2	2	100.0%	5	0.047	0.87	0.67	0.28	2	2	100.0%	0.0543	0.0767	0.016
ortho-Xylene	mg/L	2	2	100.0%	2	0.001	0.001	0.0010	na	7	7	100.0%	0.00136	0.77	0.15
para-Xylene	mg/L	2	0	0.0%	0					2	0	0.0%	0.001	0.0010	0
sec-Butylbenzene	mg/L	13	2	15.4%	5	0.001	0.005	0.0018	0.0018	8	2	25.0%	0.00254	0.001	0.00084
Styrene	mg/L	2	1	50.0%	5	0.00136	0.005	0.0027	0.0014	8	2	25.0%	0.00296	0.001	0.00065
tert-Butylbenzene	mg/L	13	8	61.5%	5	0.0053	0.376	0.17	0.15	8	4	50.0%	0.002	0.0076	0.0024
Tetrachloroethene	mg/L	13	12	92.3%	5	0.005	0.005	0.005	0.005	8	7	87.5%	0.001	0.66	0.097
Toluene	mg/L	13	8	61.5%	5	0.001	0.005	0.0022	0.0017	8	5	62.5%	0.0027	0.001	0.00076
trans-1,2-Dichloroethene	mg/L	13	8	61.5%	5	0.001	0.005	0.0022	0.0017	8	5	62.5%	0.0027	0.001	0.00076

Detection frequency of chemicals by sampling technique at Well CG-7-S1

Chemical	Units	Pre and Micropurge					Pre-Micropurge					Micropurge						
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.0005	0.001	0.00094	0.00018
Trichloroethene	mg/L	13	7	53.8%	5	0	0.0%	0.002	0.01	0.0036	0.0036	8	7	87.5%	0.00095	0.064	0.0097	0.022
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.005	0.0018	0.0018	8	1	12.5%	0.001	0.002	0.0011	0.00035
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.005	0.0018	0.0018	6	1	16.7%	0.001	0.005	0.0030	0.0022
Vinyl chloride	mg/L	13	12	92.3%	5	5	100.0%	0.019	0.092	0.043	0.029	8	7	87.5%	0.001	0.16	0.030	0.055
Xylene Isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	0.332	1.63	1.00	0.51	8	8	100.0%	0.0112	4.17	0.74	1.39

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-8-S1

Chemical Field Parameters	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of Detection detects	No. of Detection frequency	No. of results	Min	Average	Std. Dev.	No. of results	No. of Detection detects	No. of Detection frequency	Min	Average	Std. Dev.	No. of results	Min	Average	Std. Dev.
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	207	705	181	498	181	356	24000	3220	7790		
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0	7.1	2.57	2.61	2.57	0.64	24.1	5.99	8.89		
Flow	mL/min	14	14	100.0%	5	5	100.0%	336	890	222	561	222	126	345	253	61.7		
Frequency	Hz	9	9	100.0%	6	6	100.0%	-341	120	-88.3	162	162	71.2	85	78.5	3.94		
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	6.01	6.88	6.42	6.42	6.42	6.3	60.7	-41.5	78.6		
pH	pH	15	15	100.0%	6	6	100.0%	59.1	68	62.9	62.9	62.9	61.7	67.1	64.0	1.90		
Temperature	degF	15	15	100.0%	6	6	100.0%	0.94	2.36	1.96	1.96	0.56	1.57	15	5.04	4.49		
Turbidity	NTU	15	15	100.0%	6	6	100.0%	3.68	9.6	6.30	6.30	2.59	2.09	10.4	5.17	2.49		
Volume Removed	L	14	14	100.0%	5	5	100.0%											
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	4	100.0%	4	4	100.0%							4.77	2.58	1.89		
Gasoline Range Organics	mg/L	4	4	100.0%	4	4	100.0%							32	15.2	11.7		
Lube oil	mg/L	4	3	75.0%	3	3	75.0%							0.6	0.53	0.049		
<b>Metals</b>																		
Ferric Iron	mg/L	1	1	100.0%	3	0	0.0%	0.01	0.01	0.010	0.010	1.3E-10	0.0293	10.9	10.9	na		
Ferrous Iron	mg/L	1	1	100.0%	3	0	0.0%	0.2	0.2	0.20	0.20	0	0.152	0.152	0.15	na		
Arsenic	mg/L	7	3	42.9%	3	0	0.0%	0.005	0.005	0.0050	0.0050	6.7E-11	0.001	0.005	0.0037	0.0023		
Barium	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	0.010	1.3E-10	0.00249	0.01	0.0075	0.0043		
Cadmium	mg/L	6	1	16.7%	3	0	0.0%	0.025	0.025	0.025	0.025	0	0.00142	0.025	0.017	0.014		
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.003	0.003	0.0030	0.0030	6.7E-11	0.001	0.003	0.0020	0.0012		
Copper	mg/L	6	2	50.0%	3	0	0.0%	0.002	0.002	0.0020	0.0020	2.7E-10	0.001	0.003	0.0020	0.0012		
Cyanide	mg/L	4	2	50.0%	3	0	0.0%	0.002	0.002	0.0020	0.0020	2.7E-10	0.001	0.003	0.0020	0.0012		
Lead	mg/L	7	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0.0020	2.7E-10	0.001	0.003	0.0020	0.0012		
Manganese	mg/L	1	1	100.0%	3	0	0.0%	0.002	0.002	0.0020	0.0020	2.7E-10	0.001	0.003	0.0020	0.0012		
Mercury	mg/L	3	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0.0020	2.7E-10	0.001	0.003	0.0020	0.0012		
Nickel	mg/L	6	0	0.0%	3	0	0.0%	0.04	0.04	0.040	0.040	5.4E-10	0.001	0.04	0.027	0.023		
Selenium	mg/L	6	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	0.0050	6.7E-11	0.001	0.005	0.0037	0.0023		
Silver	mg/L	6	0	0.0%	3	0	0.0%	0.01	0.01	0.010	0.010	1.3E-10	0.001	0.01	0.0070	0.0052		
Zinc	mg/L	6	0	0.0%	3	0	0.0%	0.02	0.02	0.020	0.020	2.7E-10	0.001	0.02	0.017	0.0068		
<b>Polychlorinated Biphenyls</b>																		
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
Aroclor® 1232	mg/L	7	3	42.9%	3	1	33.3%	0.003	0.0037	0.0014	0.0014	0.0020	0.0003	0.0119	0.0047	0.0056		
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0005	0.0005	0.0005	0.0005	0.0005	0.0001	0.0003	0.00020	0.00012		
<b>Semivolatile Organic Compounds</b>																		
1,2,4-Trichlorobenzene	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0.0010	0	0.001	0.01	0.0038	0.0041		
1,2-Dichlorobenzene	mg/L	13	11	84.6%	5	3	60.0%	0.001	0.001	0.0010	0.0010	0.026	0.001	0.036	0.020	0.011		
1,3-Dichlorobenzene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.001	0.0010	0.0010	0.011	0.001	0.02	0.0045	0.0070		
1,4-Dichlorobenzene	mg/L	13	5	38.5%	5	0	0.0%	0.001	0.001	0.0010	0.0010	0.011	0.001	0.02	0.0051	0.0064		
2,4,5-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0.0010	0	0.001	0.05	0.019	0.019		
2,4,6-Trichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0.0010	0	0.001	0.05	0.019	0.019		
2,4-Dichlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0.0010	0	0.001	0.05	0.019	0.019		
2,4-Dimethylphenol	mg/L	12	12	100.0%	6	6	100.0%	0.021	0.24	0.090	0.079	0.079	0.0181	0.171	0.089	0.067		
2,4-Dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	0.0050	6.7E-11	0.005	0.1	0.032	0.039		
2,4-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.018	0.0067	0.0068	0.0098	0.001	0.01	0.0064	0.0049		
2,6-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.019	0.0070	0.010	0	0.001	0.01	0.0064	0.0049		
2-Chloronaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0.0010	0	0.001	0.05	0.015	0.020		
2-Chlorophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0.0010	0	0.001	0.05	0.015	0.020		
2-Methyl-4,6-dinitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.005	0.005	0.0050	0.0050	6.7E-11	0.005	0.05	0.016	0.019		
2-Methylnaphthalene	mg/L	8	6	100.0%	3	3	100.0%	0.013	0.018	0.0025	0.0025	0.0025	0.001	0.0214	0.016	0.016		
2-Methylphenol	mg/L	12	7	58.3%	6	4	66.7%	0.001	0.12	0.048	0.048	0.045	0.001	0.05	0.027	0.019		

Detection frequency of chemicals by sampling technique at Well CG-8-S1

Chemical	Pre and Micropurge						Micropurge											
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.05	0.015	0.020
3,3'-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.05	0.014	0.018
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Bromophenyl-phenyl ether	mg/L	9	1	11.1%	3	1	33.3%	0.001	0.0017	0.0012	0.00040	6	0	0.0%	0.001	0.05	0.014	0.018
4-Chloro-3-methylphenol	mg/L	8	3	37.5%	3	3	100.0%	0.002	0.0046	0.0029	0.0015	5	0	0.0%	0.002	0.05	0.015	0.020
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.002	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.05	0.014	0.018
4-Methylphenol	mg/L	11	11	100.0%	6	6	100.0%	0.053	0.64	0.19	0.23	5	5	100.0%	0.0266	0.258	0.11	0.093
4-Nitroaniline	mg/L	8	1	12.5%	3	1	33.3%	0.005	0.028	0.013	0.013	5	0	0.0%	0.005	0.01	0.0080	0.0027
4-Nitrophenol	mg/L	8	3	37.5%	3	3	100.0%	0.001	0.0028	0.0016	0.0010	5	0	0.0%	0.001	0.05	0.017	0.019
Acenaphthene	mg/L	9	1	11.1%	3	0	0.0%	0.001	0.001	0.0010	0	6	1	16.7%	0.001	0.01	0.0055	0.0049
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Azobenzene	mg/L	5	1	20.0%	3	1	33.3%	0.001	0.0058	0.0026	0.0028	2	0	0.0%	0.001	0.001	0.0010	0
Benz[a]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	0	0.0%	0.001	0.01	0.0050	0.0046
Benzo[a]pyrene	mg/L	6	1	16.7%	3	1	33.3%	0.001	0.1	0.034	0.057	3	0	0.0%	0.001	0.05	0.017	0.028
Benzo[b]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
Benzo[ghi]perylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
Benzo[ghi]perylene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
Benzo[k]fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0046	0.0049
Benzoic acid	mg/L	6	3	50.0%	3	3	100.0%	0.005	0.0078	0.0059	0.0016	3	0	0.0%	0.005	0.02	0.012	0.0076
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.002	0.002	0.0020	0	6	0	0.0%	0.002	0.05	0.014	0.018
bis[2-chloroethoxy]methane	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.05	0.014	0.018
bis[2-chloroethyl]ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.05	0.014	0.018
Bis[2-chloroisopropyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
bis[2-Ethylhexyl]phthalate	mg/L	8	2	25.0%	3	0	0.0%	0.002	0.002	0.0020	0	5	2	40.0%	0.002	0.05	0.016	0.020
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	3	0	0.0%	0.01	0.01	0.010	1.3E-10
Chrysenes	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0055	0.0049
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	5	0	0.0%	0.005	0.01	0.0080	0.0027
Diethyl phthalate	mg/L	8	2	25.0%	3	2	66.7%	0.001	0.0051	0.0025	0.0022	5	0	0.0%	0.001	0.01	0.0064	0.0049
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Di-n-butyl phthalate	mg/L	8	2	25.0%	3	1	33.3%	0.001	0.013	0.0050	0.0069	5	1	20.0%	0.001	0.01	0.0049	0.0047
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Fluoranthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
Isophorone	mg/L	8	1	12.5%	3	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.01	0.0046	0.0049
Methylphenol	mg/L	1	1	100.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	1	20.0%	0.001	0.0265	0.012	0.0092
Naphthalene	mg/L	13	13	100.0%	5	5	100.0%	0.22	0.372	0.29	0.059	8	8	100.0%	0.251	0.25	0.25	na
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitroso-dl-n-propylamine	mg/L	8	1	12.5%	3	1	33.3%	0.001	0.0053	0.0024	0.0025	5	0	0.0%	0.001	0.01	0.0064	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.05	0.014	0.018
Pentachlorophenol	mg/L	8	5	62.5%	3	3	100.0%	0.005	0.014	0.0085	0.0048	5	2	40.0%	0.00312	0.05	0.015	0.020
Phenanthrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049
Phenol	mg/L	12	7	58.3%	6	4	66.7%	0.001	0.014	0.0032	0.0053	6	3	50.0%	0.001	0.05	0.025	0.021
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.001	0.0010	0	6	0	0.0%	0.001	0.01	0.0055	0.0049

Detection frequency of chemicals by sampling technique at Well CG-8-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge					
		No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	
<b>Volatile Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	4	80.0%	0.088	0.19	0.15	0.044	0.001	0.02	0.0066	0.0084
1,1,1-Trichloroethane	mg/L	13	11	84.6%	5	0	0.0%	0.002	0.375	0.12	0.15	0.001	0.025	0.16	0.15
1,1,2-Trichloroethane	mg/L	12	1	8.3%	5	0	0.0%	0.025	0.025	0.025	na	0.001	0.017	0.026	0.034
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	3	75.0%	1	0	0.0%	0.001	0.125	0.040	0.049	0.002	0.02	0.22	0.093
1,1,2-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.4	1.2	0.77	0.37	0.209	1.12	0.0072	0.0082
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.063	0.125	0.041	0.048	0.002	0.02	0.0053	0.0063
1,1-Dichloroethane	mg/L	13	4	30.8%	5	1	20.0%	0.0063	0.125	0.041	0.048	0.002	0.02	0.0053	0.0063
1,1-Dichloropropene	mg/L	4	0	0.0%								0.001	0.02	0.0058	0.0095
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%								0.001	0.001	0.0010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%								0.001	0.02	0.0073	0.011
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%								0.005	0.25	0.51	0.23
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%								0.001	0.02	0.010	0.0087
1,2-Dibromoethane	mg/L	3	0	0.0%								0.001	0.02	0.0073	0.011
1,2-Dichloroethane	mg/L	13	8	61.5%	5	4	80.0%	0.02	0.125	0.049	0.043	0.002	0.0273	0.010	0.010
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.125	0.040	0.049	0.002	0.02	0.0054	0.0068
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%								0.2	0.755	0.48	0.39
1,3-Dichloropropane	mg/L	4	0	0.0%								0.001	0.02	0.0058	0.0095
2,2-Dichloropropane	mg/L	4	0	0.0%								0.001	0.02	0.0058	0.0095
2-Butanone	mg/L	13	4	30.8%	5	0	0.0%	0.005	0.625	0.20	0.24	0.001	0.02	0.0058	0.0095
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.025	0.025	0.025	na	0.005	0.2	0.073	0.072
2-Chlorotoluene	mg/L	2	0	0.0%								0.001	0.001	0.0010	0
2-Hexanone	mg/L	13	4	30.8%	5	0	0.0%	0.005	0.625	0.20	0.24	0.001	0.001	0.0010	0
4-Chlorotoluene	mg/L	2	0	0.0%								0.001	0.02	0.0097	0.082
4-Isopropyltoluene	mg/L	2	2	100.0%								0.00879	0.0581	0.033	0.035
4-Methyl-2-pentanone	mg/L	13	11	84.6%	5	4	80.0%	0.12	0.625	0.33	0.20	0.0078	1.2	0.30	0.38
Acetone	mg/L	13	5	38.5%	5	3	60.0%	0.12	0.625	0.26	0.21	0.005	0.006	0.10	0.13
Benzene	mg/L	13	11	84.6%	5	4	80.0%	0.026	0.125	0.051	0.042	0.001	0.026	0.053	0.085
Bromobenzene	mg/L	2	0	0.0%								0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	1	50.0%								0.000702	0.001	0.00085	0.0021
Bromodichloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.002	0.02	0.0054	0.0068
Bromoform	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.001	0.025	0.011	0.011
Bromomethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.001	0.1	0.022	0.034
Carbon disulfide	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.001	0.2	0.034	0.068
Carbon tetrachloride	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.002	0.02	0.0054	0.0068
Chlorobenzene	mg/L	13	5	38.5%	5	1	20.0%	0.0089	0.125	0.042	0.047	0.001	0.067	0.020	0.021
Chloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.24	0.91	0.59	0.26	0.104	0.92	0.43	0.34
Chloroform	mg/L	13	3	23.1%	5	2	40.0%	0.0021	0.125	0.041	0.048	0.001	0.025	0.013	0.011
Chloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.005	0.1	0.034	0.041
cis-1,2-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.66	3.8	2.20	1.46	0.63	3.84	1.95	1.23
cis-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.001	0.025	0.011	0.011
Dibromochloromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	0.002	0.02	0.0067	0.0084
Dibromomethane	mg/L	3	0	0.0%								0.001	0.01	0.0040	0.0052
Dichlorodifluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.64	6.5	3.89	2.12	1.1	10.4	4.14	2.99
Ethylbenzene	mg/L	13	13	100.0%	5	5	100.0%	0.001	0.125	0.040	0.049	0.0423	0.433	0.043	0.0071
Isopropylbenzene	mg/L	2	2	100.0%								0.44	3.72	1.66	1.19
meta- & para Xylenes	mg/L	11	11	100.0%	4	4	100.0%	0.45	2.6	1.66	0.89	0.00528	0.13	0.070	0.045
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.125	0.125	0.13	na	0.001	0.001	0.0010	0
Methylene chloride	mg/L	13	6	46.2%	5	1	20.0%	0.028	0.625	0.21	0.24	0.0789	0.091	0.085	0.0078
n-Butylbenzene	mg/L	2	0	0.0%								0.14	1.44	0.66	0.47
n-Propylbenzene	mg/L	2	2	100.0%								0.001	0.01	0.0067	0.0084
ortho-Xylene	mg/L	12	12	100.0%	5	5	100.0%	0.28	1.1	0.64	0.32	0.001	0.01	0.0040	0.0052
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	1.3	1.3	1.30	na	0.001	0.01	0.023	0.033
sec-Butylbenzene	mg/L	2	2	100.0%								0.0423	0.433	0.043	0.0071
Styrene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.125	0.040	0.049	0.001	0.025	0.013	0.011

Detection frequency of chemicals by sampling technique at Well CG-8-S1

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge								
		No. of results	No. of detects	Detection frequency	No. of detects	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average
tert-Butylbenzene	mg/L	2	0	0.0%	5	1	20.0%	0.011	0.125	0.042	0.047	2	0	0.0%	0.001	0.001	0.0010	0
Tetrachloroethene	mg/L	13	6	46.2%	5	5	100.0%	0.64	3.1	2.09	1.10	8	5	62.5%	0.00341	0.051	0.015	0.016
Toluene	mg/L	13	13	100.0%	5	1	20.0%	0.0071	0.125	0.041	0.047	8	8	100.0%	0.509	4.72	2.56	1.49
trans-1,2-Dichloroethene	mg/L	13	6	46.2%	5	1	20.0%	0.001	0.125	0.040	0.049	8	5	62.5%	0.00798	0.107	0.036	0.035
trans-1,3-Dichloropropene	mg/L	13	1	7.7%	5	0	0.0%	0.0024	0.25	0.080	0.097	8	1	12.5%	0.001	0.025	0.011	0.011
Trichloroethene	mg/L	13	6	46.2%	5	1	20.0%	0.001	0.125	0.040	0.049	8	5	62.5%	0.000742	0.31	0.052	0.11
Trichlorofluoromethane	mg/L	13	1	7.7%	5	0	0.0%	0.001	0.125	0.040	0.049	8	1	12.5%	0.001	0.04	0.014	0.015
Vinyl acetate	mg/L	11	1	9.1%	5	0	0.0%	0.001	0.125	0.040	0.049	6	1	16.7%	0.001	0.1	0.043	0.046
Vinyl chloride	mg/L	13	13	100.0%	5	5	100.0%	0.29	0.86	0.58	0.23	8	8	100.0%	0.101	0.86	0.44	0.29
Xylene isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	0.73	3.7	2.25	1.09	8	8	100.0%	0.61	5.16	2.34	1.54

Note: na - not applicable

Detection frequency of chemicals by sampling technique at Well CG-9+

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
<b>Field Parameters</b>																		
Conductivity	µS/cm	15	15	100.0%	6	6	100.0%	307	778	597	186	9	9	100.0%	415	24500	3240	7970
Dissolved oxygen, wt/vol	mg/L	15	15	100.0%	6	6	100.0%	0	2.69	1.15	1.03	9	9	100.0%	1.74	81	12.0	25.9
Flow	mL/min	14	14	100.0%	5	5	100.0%	300	757	534	196	9	9	100.0%	156	250	196	36.7
Frequency	Hz	9	9	100.0%								9	9	100.0%	89	156	123	20.3
Oxidation Reduction Potential	mV	15	15	100.0%	6	6	100.0%	-247	139	-87.8	157	9	9	100.0%	-93	207	46.3	89.3
pH	pH	15	15	100.0%	6	6	100.0%	6.8	7.8	7.42	0.41	9	9	100.0%	6.34	8.02	7.13	0.54
Temperature	degF	15	15	100.0%	6	6	100.0%	56	73.6	62.5	6.56	9	9	100.0%	54.6	61.1	57.9	2.05
Turbidity	NTU	15	15	100.0%	6	6	100.0%	2.91	180	37.8	70.6	9	9	100.0%	11.1	112	56.1	35.6
Volume Removed	L	14	14	100.0%	5	5	100.0%	5.6	23.4	14.1	7.40	9	9	100.0%	1.11	3.3	2.13	0.71
<b>Conventional Water Quality Parameters</b>																		
Hardness	mg/L	1	1	100.0%								1	1	100.0%	41.1	41.1	41.1	na
Bicarbonate	mg/L	1	1	100.0%								1	1	100.0%	240	240	240	na
Bicarbonate alkalinity	mg/L	1	1	100.0%								1	1	100.0%	276	276	276	na
Carbon dioxide	mg/L	6	5	83.3%								6	5	83.3%	8.8	23.8	15.2	5.77
Carbonate	mg/L	1	1	100.0%								1	1	100.0%	5	5	5.00	na
Carbonate alkalinity	mg/L	1	0	0.0%								1	0	0.0%	10	10	10.0	na
Fluoride	mg/L	2	2	100.0%								2	2	100.0%	0.766	0.914	0.84	0.10
Hydroxide alkalinity	mg/L	1	0	0.0%								1	0	0.0%	10	10	10.0	na
Hydroxide ion (OH-)	mg/L	1	1	100.0%								1	1	100.0%	5	5	5.00	na
Methane	mg/L	6	6	100.0%								6	6	100.0%	6.18	30.2	14.7	8.50
Nitrate	mg/L	4	1	25.0%								4	1	25.0%	0.1	0.1	0.10	0
Nitrite	mg/L	7	4	57.1%								7	4	57.1%	0.029	0.1	0.081	0.032
Sulfate	mg/L	7	2	28.6%								7	2	28.6%	0.148	0.555	0.24	0.14
Sulfides	mg/L	5	3	60.0%								5	3	60.0%	4.8	32.1	16.4	11.6
Total alkalinity	mg/L	5	5	100.0%								5	5	100.0%	240	319	285	29.7
Total chloride	mg/L	7	7	100.0%								7	7	100.0%	45.2	57.3	51.7	4.30
Total organic carbon	mg/L	4	4	100.0%								4	4	100.0%	5.73	27	12.3	10.0
<b>Acids</b>																		
Acetic acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Butyric Acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Isobutyric Acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
Propionic acid	mg/L	1	0	0.0%								1	0	0.0%	0.25	0.25	0.25	na
<b>Hydrocarbons</b>																		
Diesel Range Hydrocarbons	mg/L	4	2	50.0%								4	2	50.0%	0.11	0.25	0.22	0.070
Gasoline Range Organics	mg/L	4	1	25.0%								4	1	25.0%	0.05	0.05	0.050	0
Lube oil	mg/L	4	1	25.0%								4	1	25.0%	0.5	0.5	0.50	0
Ethane	mg/L	6	0	0.0%								6	0	0.0%	0.002	10	1.70	4.06
Ethene	mg/L	5	1	20.0%								5	1	20.0%	0.002	10	2.04	4.45
<b>Metals</b>																		
Ferric Iron	mg/L	3	3	100.0%								3	3	100.0%	2.06	5.72	3.85	1.83
Ferrous Iron	mg/L	5	3	60.0%								5	3	60.0%	0.152	1	0.49	0.32
Antimony	mg/L	2	0	0.0%								2	0	0.0%	0.06	0.06	0.060	0
Arsenic	mg/L	8	3	37.5%								3	3	60.0%	0.000684	0.01	0.0027	0.0041
Barium	mg/L	8	1	12.5%								5	1	20.0%	0.01	0.2	0.12	0.10
Beryllium	mg/L	2	2	100.0%								2	2	100.0%	0.000055	0.00012	0.000088	0.000046
Cadmium	mg/L	8	0	0.0%								5	0	0.0%	0.001	0.005	0.0034	0.0022
Calcium	mg/L	1	1	100.0%								1	1	100.0%	6.12	6.12	6.12	na
Chromium	mg/L	7	4	57.1%								4	3	75.0%	0.01	0.076	0.039	0.033
Copper	mg/L	8	2	25.0%								5	2	40.0%	0.00882	0.025	0.019	0.0078
Cyanide	mg/L	6	4	66.7%								6	4	66.7%	0.01	2.16	0.51	0.88
Iron	mg/L	4	4	100.0%								4	4	100.0%	2.21	9.14	4.41	3.20
Lead	mg/L	8	4	50.0%								5	2	40.0%	0.000435	0.003	0.0023	0.0011
Magnesium	mg/L	1	1	100.0%								1	1	100.0%	7.93	7.93	7.93	na
Manganese	mg/L	6	6	100.0%								6	6	100.0%	0.06	0.124	0.087	0.022

Detection frequency of chemicals by sampling technique at Well CG-9J

Chemical	Pre and Micropurge				Pre-Micropurge				Micropurge							
	Units	No. of results	No. of Detection detects	frequency	No. of results	No. of Detection detects	frequency	Average	Std. Dev.	No. of results	No. of Detection detects	frequency	Min	Max	Average	Std. Dev.
Mercury	mg/L	5	1	20.0%	3	0	0.0%	0.00080	0.0010	2	1	50.0%	0.0002	0.000855	0.00053	0.00046
Nickel	mg/L	8	3	37.5%	3	0	0.0%	0.040	5.4E-10	5	3	60.0%	0.04	0.0672	0.050	0.014
Potassium	mg/L	1	1	100.0%	3	0	0.0%	0.005	6.7E-11	1	1	100.0%	0.001	0.005	0.0034	0.0022
Selenium	mg/L	8	0	0.0%	3	0	0.0%	0.010	1.3E-10	5	2	40.0%	0.001	0.0064	0.0049	0.0049
Silver	mg/L	8	2	25.0%	3	0	0.0%	0.002	0.00058	2	2	100.0%	139	140	140	0.71
Sodium	mg/L	2	2	100.0%	3	0	0.0%	0.001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Thallium	mg/L	2	1	50.0%	3	0	0.0%	0.001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Zinc	mg/L	8	7	87.5%	3	2	66.7%	0.13	0.10	5	5	100.0%	0.0217	0.227	0.082	0.083
<b>Polychlorinated Biphenyls</b>																
Aroclor® 1016	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1221	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1232	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1242	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	0.0001	0.00058	4	0	0.0%	0.001	0.0003	0.00018	0.00096
<b>Semivolatile Organic Compounds</b>																
1,2,4-Trichlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	5	0	0.0%	0.00095	0.01	0.0028	0.0040
1,2-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	8	2	25.0%	0.005	0.001	0.0093	0.0018
1,3-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	8	2	25.0%	0.005	0.001	0.0093	0.0018
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	8	2	25.0%	0.005	0.001	0.0093	0.0018
2,4,5-Trichlorophenol	mg/L	9	2	22.2%	3	1	33.3%	0.001	0	6	1	16.7%	0.00095	0.01	0.0062	0.0045
2,4,6-Trichlorophenol	mg/L	9	2	22.2%	3	1	33.3%	0.001	0	6	1	16.7%	0.00095	0.01	0.0062	0.0045
2,4-Dichlorophenol	mg/L	9	2	22.2%	3	1	33.3%	0.001	0	6	1	16.7%	0.00095	0.01	0.0062	0.0045
2,4-Dimethylphenol	mg/L	13	3	23.1%	6	2	33.3%	0.005	1.5E-11	7	1	14.3%	0.0048	0.01	0.0061	0.0048
2,4-Dinitrophenol	mg/L	9	2	22.2%	3	1	33.3%	0.001	6.7E-11	6	1	16.7%	0.0048	0.01	0.0061	0.0048
2,4-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2,6-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Chloronaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Chlorophenol	mg/L	10	2	20.0%	3	1	33.3%	0.001	0	7	1	14.3%	0.00095	0.01	0.0067	0.0043
2-Methyl-4,6-dinitrophenol	mg/L	9	2	22.2%	3	1	33.3%	0.005	6.7E-11	6	1	16.7%	0.0048	0.01	0.0083	0.0026
2-Methylnaphthalene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.00095	0.01	0.0064	0.0049
2-Methylphenol	mg/L	14	3	21.4%	6	2	33.3%	0.001	1.5E-11	8	1	12.5%	0.00095	0.01	0.0066	0.0047
2-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	5	0	0.0%	0.00095	0.01	0.0068	0.0044
2-Nitrophenol	mg/L	10	2	20.0%	3	1	33.3%	0.001	0	7	1	14.3%	0.00095	0.01	0.0067	0.0043
3,3'-Dichlorobenzidine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
3-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0048	0.01	0.0080	0.0028
4-Bromophenyl-phenyl ether	mg/L	10	2	20.0%	3	1	33.3%	0.002	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
4-Chloro-3-methylphenol	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	7	1	14.3%	0.0019	0.01	0.0070	0.0039
4-Chloroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	5	0	0.0%	0.0019	0.01	0.0068	0.0044
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.00095	0.01	0.0070	0.0047
4-Methylphenol	mg/L	12	3	25.0%	6	2	33.3%	0.001	1.5E-11	6	1	16.7%	0.00095	0.01	0.0055	0.0049
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0048	0.01	0.0080	0.0028
4-Nitrophenol	mg/L	10	2	20.0%	3	1	33.3%	0.001	0	7	1	14.3%	0.00095	0.01	0.0096	0.0060
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.00095	0.01	0.0053	0.0051
Acenaphthylene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.01	0.0053	0.0051
Aniline	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	5	0	0.0%	0.0048	0.01	0.0080	0.0028
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	6	0	0.0%	0.001	0.01	0.0053	0.0051
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	0.001	0	2	0	0.0%	0.00095	0.01	0.0098	0.00035
Benzofluoranthracene	mg/L	8	0	0.0%	3	0	0.0%	0.002	0	5	0	0.0%	0.001	0.01	0.0048	0.0048
Benzidine	mg/L	6	0	0.0%	3	0	0.0%	0.001	0	3	0	0.0%	0.00095	0.01	0.0048	0.0048
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.01	0.0044	0.0051
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	5	0	0.0%	0.001	0.01	0.0044	0.0051

Detection frequency of chemicals by sampling technique at Well CG-9-I

Chemical	Pre and Microbudge				Pre-Microbudge				Microbudge						
	Units	No. of results	No. of Detection detects	No. of Detection frequency	No. of results	No. of Detection detects	No. of Detection frequency	Average	Std. Dev.	Min	No. of results	No. of Detection detects	No. of Detection frequency	Average	Std. Dev.
Benzoic acid	mg/L	8	3	37.5%	3	1	33.3%	0.005	6.7E-11	0.005	5	2	40.0%	0.00325	0.0086
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0.002	0.0022	0.002	6	0	0.0%	0.0019	0.0073
bis[2-chloroethoxy]methane	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.00095	0.0070
bis[2-chloroethyl]ether	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.00095	0.0047
Bis[2-chloroisopropyl]ether	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0070
bis[2-Ethylhexyl]phthalate	mg/L	8	1	12.5%	3	0	0.0%	0.002	0.0020	0.002	5	1	20.0%	0.0039	0.0064
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	3	0	0.0%	0.001	1.3E-10
Chrysene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.0001	0.0053
Dibenz[ah]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.0001	0.0051
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	0.005	6.7E-11	0.005	5	0	0.0%	0.0048	0.0028
Diethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Di-n-butyl phthalate	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.0010	0.001	5	2	40.0%	0.001	0.0050
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.0001	0.0053
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.0001	0.0053
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Hexachloroethane	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.0001	0.0051
Isophorone	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
Methylphenol	mg/L	1	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	1	0	0.0%	0.005	na
Naphthalene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.0029	0.001	8	2	25.0%	0.0001	0.0015
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
N-nitroso-di-n-propylamine	mg/L	8	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.00095	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.00095	0.0049
N-nitrosodiphenylamine	mg/L	9	0	0.0%	3	1	33.3%	0.005	6.7E-11	0.005	7	1	14.3%	0.0048	0.0070
Pentachlorophenol	mg/L	10	2	20.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.0001	0.0053
Phenanthrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.00095	0.0049
Phenol	mg/L	14	3	21.4%	6	2	33.3%	0.001	1.5E-11	0.001	8	1	12.5%	0.00095	0.0060
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	6	0	0.0%	0.0001	0.0053
<b>Volatle Organic Compounds</b>															
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	0	0.0%	0.001	0.0010	0.001	5	0	0.0%	0.0005	0.0090
1,1,1-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0005	0.00022
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.00045	0.002	7	2	28.6%	0.0005	0.0018
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	0	0.0%	1	0	0.0%	0.001	na	0.001	3	0	0.0%	0.002	0
1,1,2-Trichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0002	0.00041
1,1-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0005	0.00018
1,1-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0002	0.00064
1,1-Dichloropropene	mg/L	4	0	0.0%	5	0	0.0%	0.001	0.0010	0.001	4	0	0.0%	0.001	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	2	0	0.0%	0.001	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	3	0	0.0%	0.001	0
1,2,4-Trimethylbenzene	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	3	0	0.0%	0.001	0.0025
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	3	0	0.0%	0.001	0
1,2-Dibromomethane	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	3	0	0.0%	0.001	0
1,2-Dichloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0002	0.00064
1,2-Dichloropropane	mg/L	13	2	15.4%	5	0	0.0%	0.001	1.3E-11	0.001	8	2	25.0%	0.0002	0.00064
1,3,5-Trimethylbenzene	mg/L	2	1	50.0%	2	1	50.0%	0.001	0.0010	0.001	2	1	50.0%	0.001	0.00048
1,3-Dichloropropane	mg/L	4	0	0.0%	4	0	0.0%	0.001	0.0010	0.001	4	0	0.0%	0.001	0
2,2-Dichloropropane	mg/L	4	0	0.0%	4	0	0.0%	0.001	0.0010	0.001	4	0	0.0%	0.001	0
2-Butanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	7.4E-11	0.005	8	2	25.0%	0.005	0.0026
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.0010	0.001	1	0	0.0%	0.001	0
2-Chlorotoluene	mg/L	2	0	0.0%	3	0	0.0%	0.001	0.0010	0.001	2	0	0.0%	0.001	0
2-Hexanone	mg/L	13	3	23.1%	5	0	0.0%	0.005	7.4E-11	0.005	8	3	37.5%	0.00157	0.0033

Detection frequency of chemicals by sampling technique at Well CG-9-I

Chemical	Units	Pre and Micropurge				Pre-Micropurge				Micropurge				
		No. of results	No. of detects	No. of detects frequency	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	No. of detects frequency	No. of results	No. of detects	No. of detects frequency	No. of detects frequency	
4-Chlorotoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Isopropyltoluene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
4-Methyl-2-pentanone	mg/L	13	2	15.4%	5	0	0.0%	0.005	0.005	0.005	0.005	0.005	0.0075	0.0027
Acetone	mg/L	13	4	30.8%	5	2	40.0%	0.005	0.016	0.0098	0.0049	0.005	0.0089	0.0024
Benzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Bromobenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Bromodichloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0002	0.00064	0.00040
Bromoforn	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Bromomethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0016	0.0014
Carbon disulfide	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0023	0.0032
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0002	0.00064	0.00040
Chlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Chloroethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0010	0
Chloroform	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Chloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0038	0.0018
cis-1,2-Dichloroethene	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.00186	0.0012	0.00038	0.0005	0.00094	0.00018
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Dibromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0002	0.00070	0.00041
Dibromomethane	mg/L	3	0	0.0%					3	0	0.0%	0.0005	0.00083	0.00029
Dichlorodifluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0015	0.0014
Diethylbenzene	mg/L	13	7	53.8%	5	2	40.0%	0.001	0.016	0.0056	0.0068	0.00021	0.0021	0.0017
Isopropylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
meta & para Xylenes	mg/L	11	6	54.5%	4	1	25.0%	0.001	0.0063	0.0023	0.0027	0.00021	0.0041	0.0012
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.001	0.001	0.0010	na	0.00177	0.011	0.017
Methylene chloride	mg/L	13	5	38.5%	5	1	20.0%	0.005	0.091	0.043	0.040	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
n-Propylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
ortho-Xylene	mg/L	12	3	25.0%	5	1	20.0%	0.001	0.0024	0.0013	0.00063	0.00021	0.0021	1.8E-11
para-Xylene	mg/L	1	1	100.0%	1	1	100.0%	0.0073	0.0073	0.0073	na	0.001	0.0010	0
sec-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Styrene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
tert-Butylbenzene	mg/L	2	0	0.0%					2	0	0.0%	0.001	0.0010	0
Tetrachloroethene	mg/L	13	6	46.2%	5	2	40.0%	0.001	0.018	0.0066	0.0070	0.0002	0.00064	0.00040
Toluene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
trans-1,2-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Trichloroethene	mg/L	13	3	23.1%	5	1	20.0%	0.002	0.0193	0.0055	0.0077	0.0005	0.0013	0.00059
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0011	0.00035
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.001	0.0030	0.0022
Vinyl chloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.001	0.0010	1.3E-11	0.0005	0.00094	0.00018
Xylene Isomers (total)	mg/L	13	7	53.8%	5	2	40.0%	0.002	0.0093	0.0048	0.0038	0.001	0.0026	0.0013

Note: na - not applicable



Detection frequency of chemicals by sampling technique at Well CG-9-S1

Chemical	Units	Pre and Micropurge				Micropurge								
		No. of results	No. of detects	No. of Detection results	No. of detects	Min	Average	Std. Dev.	Max	Average	Std. Dev.			
<b>Field Parameters</b>														
Conductivity	µS/cm	16	16	100.0%	6	6	100.0%	391	509	152	341	27900	3290	8650
Dissolved oxygen, wt/vol	mg/L	16	16	100.0%	6	6	100.0%	0	6.58	2.37	0.69	55.9	7.12	17.2
Flow	mL/min	15	15	100.0%	5	5	100.0%	460	587	179	150	306	237	45.6
Frequency	Hz	10	10	100.0%	6	6	100.0%	-344	-98.4	160	-145	83	-11.8	78.3
Oxidation Reduction Potential	mV	16	16	100.0%	6	6	100.0%	5.79	6.34	0.32	6.24	6.85	6.44	0.18
pH	degF	16	16	100.0%	6	6	100.0%	57	70.2	4.81	59.6	68.5	64.2	2.89
Temperature	NTU	16	16	100.0%	6	6	100.0%	2.11	3.94	2.58	0	5.58	3.19	1.81
Turbidity	L	15	15	100.0%	5	5	100.0%	4	6.40	2.46	2	8.6	4.05	2.08
Volume Removed														
<b>Conventional Water Quality Parameters</b>														
Hardness	mg/L	1	1	100.0%	1	1	100.0%	123	123		123	123	123	na
Bicarbonate	mg/L	1	1	100.0%	1	1	100.0%	158	158		158	158	158	na
Bicarbonate alkalinity	mg/L	1	1	100.0%	1	1	100.0%	106	106		106	106	106	na
Carbon dioxide	mg/L	6	6	100.0%	6	6	100.0%	5.63	5.63		5.63	252	121	79.9
Carbonate	mg/L	1	1	100.0%	1	1	100.0%	5	5		5	5	5.00	na
Carbonate alkalinity	mg/L	1	0	0.0%	1	0	0.0%	10	10		10	10	10.0	na
Fluoride	mg/L	2	2	100.0%	2	2	100.0%	0.823	0.823		0.823	5.27	3.05	3.14
Hydroxide alkalinity	mg/L	1	0	0.0%	1	0	0.0%	10	10		10	10	10.0	na
Hydroxide ion (OH-)	mg/L	1	1	100.0%	1	1	100.0%	5	5		5	5	5.00	na
Methane	mg/L	6	6	100.0%	6	6	100.0%	0.0181	0.0181		0.0181	0.0385	0.028	0.0074
Nitrate	mg/L	4	3	75.0%	4	3	75.0%	0.06	0.186		0.06	0.186	0.11	0.054
Nitrite	mg/L	7	4	57.1%	7	4	57.1%	0.0171	0.0171		0.0171	0.1	0.079	0.035
Sulfate	mg/L	7	6	85.7%	7	6	85.7%	0.179	2.38		0.179	2.38	1.17	0.96
Sulfides	mg/L	5	1	20.0%	5	1	20.0%	2.4	20		2.4	20	10.5	8.76
Total alkalinity	mg/L	5	5	100.0%	5	5	100.0%	103	165		103	237	165	63.1
Total chloride	mg/L	7	7	100.0%	7	7	100.0%	8.79	59.1		8.79	59.1	39.8	20.8
Total organic carbon	mg/L	4	4	100.0%	4	4	100.0%	13.3	78.7		13.3	78.7	54.4	30.7
<b>Acids</b>														
Acetic acid	mg/L	1	1	100.0%	1	1	100.0%	64.6	64.6		64.6	64.6	64.6	na
Butyric Acid	mg/L	1	0	0.0%	1	0	0.0%	0.25	0.25		0.25	0.25	0.25	na
Isobutyric Acid	mg/L	1	0	0.0%	1	0	0.0%	0.25	0.25		0.25	0.25	0.25	na
Propionic acid	mg/L	1	0	0.0%	1	0	0.0%	0.25	0.25		0.25	0.25	0.25	na
<b>Hydrocarbons</b>														
Diesel Range Hydrocarbons	mg/L	4	4	100.0%	4	4	100.0%	2.49	11.1		2.49	11.1	7.20	3.79
Gasoline Range Organics	mg/L	4	4	100.0%	4	4	100.0%	26.9	83.2		26.9	83.2	57.3	25.8
Lube oil	mg/L	4	3	75.0%	4	3	75.0%	0.5	0.999		0.5	0.999	0.63	0.25
Ethane	mg/L	6	0	0.0%	6	0	0.0%	0.002	0.01		0.002	0.01	0.0073	0.0041
Ethene	mg/L	5	5	100.0%	5	5	100.0%	0.0459	0.402		0.0459	0.402	0.15	0.15
<b>Metals</b>														
Ferrous Iron	mg/L	2	2	100.0%	2	2	100.0%	9.49	11.9		9.49	11.9	10.7	1.70
Ferrous Iron	mg/L	5	5	100.0%	5	5	100.0%	4.7	48.8		4.7	48.8	30.7	19.9
Antimony	mg/L	2	0	0.0%	2	0	0.0%	0.06	0.06		0.06	0.06	0.060	0
Arsenic	mg/L	8	7	87.5%	3	3	100.0%	0.014	0.012	0.0021	0.00734	0.0182	0.011	0.0042
Barium	mg/L	7	1	14.3%	3	0	0.0%	0.2	0.20	0	0.188	0.2	0.15	0.091
Beryllium	mg/L	2	1	50.0%	2	1	50.0%	0.00001	0.000045	0.000028	0.00001	0.000045	0.000028	0.000025
Cadmium	mg/L	7	0	0.0%	3	0	0.0%	0.005	0.0050	6.7E-11	0.001	0.005	0.0040	0.0020
Calcium	mg/L	1	1	100.0%	1	1	100.0%	34.4	34.4		34.4	34.4	34.4	na
Chromium	mg/L	6	1	16.7%	3	0	0.0%	0.01	0.010	1.3E-10	0.0059	0.01	0.0086	0.0024
Copper	mg/L	7	0	0.0%	3	0	0.0%	0.025	0.025	0	0.001	0.025	0.019	0.012
Cyanide	mg/L	6	6	100.0%	6	6	100.0%	0.0121	1.72		0.0121	1.72	0.59	0.87
Iron	mg/L	4	4	100.0%	4	4	100.0%	0.0445	68.4		0.0445	68.4	48.2	32.4
Lead	mg/L	8	1	12.5%	5	1	20.0%	0.003282	0.003	6.7E-11	0.003282	0.003	0.0021	0.0013
Magnesium	mg/L	1	1	100.0%	1	1	100.0%	7.57	7.57		7.57	7.57	7.57	na
Manganese	mg/L	6	6	100.0%	6	6	100.0%	0.707	1.58		0.707	1.58	1.30	0.33

Detection frequency of chemicals by sampling technique at Well CG-9-S1

Chemical	Units	Pre-Micropurge				Micropurge						
		No. of results	No. of detects	Detection frequency	No. of detects	No. of results	No. of detects	Detection frequency				
Mercury	mg/L	5	0	0.0%	3	0	0.0%	2	0	0.0%	0.00060	0.00057
Nickel	mg/L	7	2	28.6%	3	0	0.0%	4	2	50.0%	0.032	0.015
Potassium	mg/L	1	1	100.0%	3	0	0.0%	1	1	100.0%	40.4	na
Selenium	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.0040	0.0020
Silver	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.0078	0.0045
Sodium	mg/L	2	2	100.0%	3	0	0.0%	2	2	100.0%	71.4	9.33
Thallium	mg/L	2	1	50.0%	3	0	0.0%	2	1	50.0%	0.2	0
Zinc	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.018	0.0050
<b>Polychlorinated Biphenyls</b>												
Aroclor® 1016	mg/L	7	1	14.3%	3	0	0.0%	4	1	25.0%	0.0005	0.0027
Aroclor® 1221	mg/L	7	2	28.6%	3	1	33.3%	4	1	25.0%	0.0005	0.0039
Aroclor® 1232	mg/L	7	4	57.1%	3	1	33.3%	4	3	75.0%	0.0005	0.011
Aroclor® 1242	mg/L	7	2	28.6%	3	2	66.7%	4	0	0.0%	0.0005	0.00022
Aroclor® 1248	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.0005	0.00018
Aroclor® 1254	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.0005	0.00022
Aroclor® 1260	mg/L	7	0	0.0%	3	0	0.0%	4	0	0.0%	0.0005	0.00022
<b>Semivolatile Organic Compounds</b>												
1,2,4-Trichlorobenzene	mg/L	8	4	50.0%	3	2	66.7%	5	2	40.0%	0.00097	0.022
1,3-Dichlorobenzene	mg/L	13	8	61.5%	5	3	60.0%	8	5	62.5%	0.001	0.020
1,4-Dichlorobenzene	mg/L	13	2	15.4%	5	0	0.0%	8	2	25.0%	0.00097	0.017
2,4,5-Trichlorophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.024
2,4,6-Trichlorophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.024
2,4-Dichlorophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.024
2,4-Dimethylphenol	mg/L	13	11	84.6%	6	4	66.7%	7	7	100.0%	0.106	0.070
2,4-Dinitrophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.0049	0.045
2,4-Dinitrotoluene	mg/L	8	1	12.5%	3	1	33.3%	5	0	0.0%	0.00097	0.025
2,6-Dinitrotoluene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.00097	0.025
2-Chloronaphthalene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.00097	0.025
2-Chlorophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.024
2-Methyl-4,6-dinitrophenol	mg/L	8	6	75.0%	3	3	100.0%	6	1	16.7%	0.0049	0.022
2-Methylphenol	mg/L	13	10	76.9%	6	4	66.7%	7	6	85.7%	0.127	0.050
2-Nitroaniline	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.024
2-Nitrophenol	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.023
3,3'-Dichlorobenzidine	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.00097	0.023
3-Nitroaniline	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.023
4-Bromophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.023
4-Chloroaniline	mg/L	8	1	12.5%	3	1	33.3%	6	1	16.7%	0.0019	0.024
4-Chloro-3-methylphenol	mg/L	8	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.023
4-Chlorophenyl-phenyl ether	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.023
4-Methylphenol	mg/L	12	12	100.0%	6	6	100.0%	6	6	100.0%	0.176	0.27
4-Nitroaniline	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0049	0.024
4-Nitrophenol	mg/L	9	3	33.3%	3	2	66.7%	6	1	16.7%	0.00097	0.023
Acenaphthene	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.025
Acenaphthylene	mg/L	9	1	11.1%	3	1	33.3%	6	0	0.0%	0.00097	0.025
Aniline	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0049	0.024
Anthracene	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.00097	0.025
Azobenzene	mg/L	5	0	0.0%	3	0	0.0%	2	0	0.0%	0.00097	0.000021
Benzoflanthracene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0002	0.027
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0002	0.027
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0002	0.027
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0002	0.027
Benzofluoranthene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0002	0.027

Detection frequency of chemicals by sampling technique at Well CG-9-S1

Chemical	Units	Pre-and Micropurge					Micropurge						
		No. of results	No. of Detection	No. of results	No. of Detection	Average	Std. Dev.	No. of results	No. of Detection	Average	Std. Dev.		
Benzic acid	mg/L	7	4	57.1%	3	3	100.0%	4	1	25.0%	0.0049	0.040	0.045
Benzyl alcohol	mg/L	9	0	0.0%	3	0	0.0%	0	0	0.0%	0.0019	0.021	0.023
bis(2-chloroethoxy)methane	mg/L	9	1	11.1%	3	1	33.3%	0	0	0.0%	0.0097	0.020	0.023
bis(2-chloroethyl)ether	mg/L	9	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.020	0.023
Bis(2-chloroisopropyl)ether	mg/L	8	1	12.5%	3	1	33.3%	0	0	0.0%	0.0097	0.022	0.025
bis(2-Ethylhexyl)phthalate	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.002	0.11	0.13
Butylbenzyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0097	0.022	0.025
Carbazole	mg/L	3	0	0.0%	3	0	0.0%	3	0	0.0%	0.01	0.037	0.023
Chrysene	mg/L	9	0	0.0%	3	0	0.0%	0	0	0.0%	0.0002	0.019	0.025
Dibenz[a,h]anthracene	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0002	0.020	0.027
Dibenzofuran	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0049	0.024	0.024
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Dimethyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0097	0.022	0.025
Di-n-butyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Di-n-octyl phthalate	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Fluoranthene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0097	0.022	0.025
Fluorene	mg/L	9	0	0.0%	3	0	0.0%	6	0	0.0%	0.0002	0.019	0.025
Hexachlorobenzene	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Hexachlorobutadiene	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Hexachlorocyclopentadiene	mg/L	8	0	0.0%	3	0	0.0%	5	0	0.0%	0.0097	0.022	0.025
Hexachloroethane	mg/L	8	1	12.5%	3	1	33.3%	0.054	0	0.0%	0.0097	0.022	0.025
Indeno[1,2,3-cd]pyrene	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0002	0.020	0.027
Isophorone	mg/L	8	0	0.0%	3	0	0.0%	0	0	0.0%	0.0097	0.022	0.025
Methylphenol	mg/L	1	1	100.0%	5	4	80.0%	0.23	0.25	100.0%	0.0229	0.023	na
Naphthalene	mg/L	13	12	92.3%	5	4	80.0%	0.65	0.65	100.0%	0.027	0.081	0.056
Nitrobenzene	mg/L	8	0	0.0%	3	0	0.0%	0.001	0	0.0%	0.0097	0.022	0.025
N-nitroso-di-n-propylamine	mg/L	8	1	12.5%	3	1	33.3%	0.0052	0.0024	0.0000	0.0097	0.022	0.025
N-nitrosodiphenylamine	mg/L	9	1	11.1%	3	1	33.3%	0.0094	0.0048	0.0000	0.0097	0.020	0.023
Pentachlorophenol	mg/L	9	3	33.3%	3	2	66.7%	0.005	0.0050	16.7%	0.0049	0.022	0.022
Phenanthrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	0.0%	0.0002	0.019	0.025
Phenol	mg/L	13	8	61.5%	6	4	66.7%	0.29	0.11	57.1%	0.001	0.079	0.093
Pyrene	mg/L	9	0	0.0%	3	0	0.0%	0.001	0	0.0%	0.0002	0.019	0.025
<b>Volatile Organic Compounds</b>													
1,1,1,2-Tetrachloroethane	mg/L	5	0	0.0%	5	5	100.0%	0.411	0.92	0.0%	0.001	0.05	0.022
1,1,1-Trichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.002	0.75	0.0%	0.147	1.4	0.43
1,1,2,2-Tetrachloroethane	mg/L	12	2	16.7%	5	0	0.0%	0.002	0.05	28.6%	0.001	0.15	0.031
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	4	3	75.0%	1	0	0.0%	0.05	0.050	100.0%	0.11	0.325	0.12
1,1,2-Trichloroethane	mg/L	13	7	53.8%	5	2	40.0%	0.011	0.25	62.5%	0.001	0.1	0.034
1,1-Dichloroethane	mg/L	13	13	100.0%	5	5	100.0%	0.62	1.9	100.0%	0.476	4	1.31
1,1-Dichloropropene	mg/L	13	8	61.5%	5	2	40.0%	0.023	0.25	75.0%	0.0002	0.106	0.041
1,1-Dichlorobenzene	mg/L	4	0	0.0%	2	0	0.0%	0.001	0.001	0.0%	0.001	0.001	0
1,2,3-Trichlorobenzene	mg/L	2	0	0.0%	5	3	60.0%	0.041	0.25	0.0%	0.001	0.010	0
1,2,3-Trichloropropane	mg/L	3	0	0.0%	5	0	0.0%	0.001	0.05	0.0%	0.001	0.001	0
1,2,4-Trimethylbenzene	mg/L	3	3	100.0%	3	3	100.0%	0.001	0.001	0.0%	0.001	0.001	0
1,2-Dibromo-3-chloropropane	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.001	0.0%	0.253	1	0.51
1,2-Dibromoethane	mg/L	3	0	0.0%	3	0	0.0%	0.001	0.001	0.0%	0.001	0.005	0.0037
1,2-Dichloroethane	mg/L	13	8	61.5%	5	3	60.0%	0.002	0.063	62.5%	0.002	0.063	0.023
1,2-Dichloropropane	mg/L	13	3	23.1%	8	3	37.5%	0.0002	0.002	100.0%	0.56	1	0.78
1,3,5-Trimethylbenzene	mg/L	2	2	100.0%	5	0	0.0%	0.001	0.05	0.0%	0.001	0.001	0
1,3-Dichloropropane	mg/L	4	0	0.0%	2	2	100.0%	0.001	0.001	0.0%	0.001	0.001	0
2,2-Dichloropropane	mg/L	4	0	0.0%	4	0	0.0%	0.001	0.001	0.0%	0.001	0.001	0
2-Butanone	mg/L	13	4	30.8%	5	0	0.0%	0.005	1.25	0.0%	0.001	0.001	0
2-Chloroethylvinyl ether	mg/L	1	0	0.0%	1	0	0.0%	0.05	0.05	0.0%	0.001	0.001	0
2-Chlorotoluene	mg/L	2	0	0.0%	5	0	0.0%	0.005	1.25	50.0%	0.005	1	0.19
2-Hexanone	mg/L	13	4	30.8%	5	0	0.0%	0.005	1.25	0.0%	0.001	0.001	0

Detection frequency of chemicals by sampling technique at Well CG-9-S1

Chemical	Pre and Micropurge					Pre-Micropurge					Micropurge							
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
4-Chloroluene	mg/L	2	0	0.0%	2	0	0.0%	0.001	0.001	0.0010	0	0	0.0%	0.001	0.001	0.0010	0	0.0094
4-Isopropyltoluene	mg/L	2	1	50.0%	2	1	50.0%	0.025	1.25	0.45	0.47	2	1	50.0%	0.001	0.0143	0.0077	0.0094
4-Methyl-2-pentanone	mg/L	13	7	53.8%	5	2	40.0%	0.033	1.25	0.58	0.50	8	5	62.5%	0.01	0.63	0.40	0.23
Acetone	mg/L	13	7	53.8%	5	4	80.0%	0.068	0.31	0.15	0.10	8	3	37.5%	0.005	11	1.52	3.85
Benzene	mg/L	13	13	100.0%	5	5	100.0%					8	8	100.0%	0.0265	0.73	0.21	0.27
Bromobenzene	mg/L	2	0	0.0%	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Bromochloromethane	mg/L	2	0	0.0%	2	0	0.0%					2	0	0.0%	0.001	0.001	0.0010	0
Bromodichloromethane	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.25	0.071	0.10	8	3	37.5%	0.0002	0.05	0.0066	0.017
Bromoform	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.05	0.013	0.023
Bromomethane	mg/L	13	3	23.1%	5	1	20.0%	0.001	0.58	0.14	0.25	8	2	25.0%	0.001	0.5	0.070	0.17
Carbon disulfide	mg/L	13	5	38.5%	5	0	0.0%	0.001	0.25	0.071	0.10	8	5	62.5%	0.001	1	0.13	0.35
Carbon tetrachloride	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.0002	0.05	0.0081	0.017
Chlorobenzene	mg/L	13	3	23.1%	5	0	0.0%	0.001	0.25	0.071	0.10	8	3	37.5%	0.001	0.05	0.014	0.022
Chloroethane	mg/L	13	5	38.5%	5	1	20.0%	0.001	0.25	0.071	0.10	8	4	50.0%	0.001	0.1	0.037	0.035
Chloroethane	mg/L	13	7	53.8%	5	3	60.0%	0.026	0.25	0.085	0.094	8	4	50.0%	0.001	0.072	0.025	0.028
Chloroform	mg/L	13	4	30.8%	5	2	40.0%	0.005	0.7	0.16	0.30	8	2	25.0%	0.001	0.5	0.072	0.17
Chloromethane	mg/L	13	13	100.0%	5	5	100.0%	1.6	20	8.50	7.03	8	8	100.0%	1.34	9.97	5.64	3.24
cis-1,2-Dichloroethene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.05	0.013	0.023
cis-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.0002	0.1	0.014	0.035
Dibromochloromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.05	0.017	0.028
Dibromomethane	mg/L	3	0	0.0%	3	0	0.0%					3	0	0.0%	0.001	0.05	0.017	0.028
Dichlorodifluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.5	0.073	0.17
Ethylbenzene	mg/L	13	13	100.0%	5	5	100.0%	1.1	28	17.4	9.95	8	8	100.0%	3.88	20.3	12.6	5.30
Isopropylbenzene	mg/L	2	2	100.0%	2	2	100.0%					2	2	100.0%	0.0451	0.0531	0.049	0.0057
meta & para Xylenes	mg/L	11	10	90.9%	4	4	100.0%	0.76	13.3	4.54	5.88	7	6	85.7%	1.6	6.9	4.82	2.27
meta-Xylene	mg/L	1	0	0.0%	1	0	0.0%	0.25	0.25	0.25	na	8	6	75.0%	0.00222	0.5	0.10	0.18
Methylene chloride	mg/L	13	7	53.8%	5	1	20.0%	0.013	1.25	0.38	0.49	2	0	0.0%	0.001	0.001	0.0010	0
n-Butylbenzene	mg/L	2	0	0.0%	2	0	0.0%					2	2	100.0%	0.0687	0.0946	0.082	0.018
n-Propylbenzene	mg/L	2	2	100.0%	5	5	100.0%	0.41	2	1.11	0.81	7	7	100.0%	0.51	3.1	1.25	0.90
ortho-Xylene	mg/L	12	12	100.0%	1	1	100.0%	13	13	13.0	na	2	2	100.0%				
para-Xylene	mg/L	1	1	100.0%	5	5	100.0%	0.001	0.25	0.072	0.10	2	1	50.0%	0.001	0.202	0.10	0.14
sec-Butylbenzene	mg/L	2	1	50.0%	5	1	20.0%					8	3	37.5%	0.001	0.05	0.019	0.025
Styrene	mg/L	13	4	30.8%	5	1	20.0%					2	0	0.0%	0.001	0.001	0.0010	0
tert-Butylbenzene	mg/L	2	0	0.0%	5	2	40.0%	0.0086	0.25	0.074	0.10	8	6	75.0%	0.00346	0.079	0.025	0.027
Tetrachloroethene	mg/L	13	8	61.5%	5	2	40.0%	0.0086	0.25	0.074	0.10	8	8	100.0%	0.001	0.05	0.019	0.025
Toluene	mg/L	13	12	92.3%	5	5	100.0%	1.2	18	8.32	7.82	8	7	87.5%	0.001	12	6.09	4.94
trans-1,2-Dichloroethene	mg/L	13	7	53.8%	5	2	40.0%	0.022	0.25	0.079	0.097	8	5	62.5%	0.001	7.12	0.96	2.49
trans-1,3-Dichloropropene	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.05	0.013	0.023
Trichloroethene	mg/L	13	7	53.8%	5	1	20.0%	0.0051	0.5	0.14	0.20	8	6	75.0%	0.00107	0.1	0.026	0.034
Trichlorofluoromethane	mg/L	13	2	15.4%	5	0	0.0%	0.001	0.25	0.071	0.10	8	2	25.0%	0.001	0.2	0.033	0.070
Vinyl acetate	mg/L	11	2	18.2%	5	0	0.0%	0.001	0.25	0.071	0.10	6	2	33.3%	0.001	0.5	0.094	0.20
Vinyl chloride	mg/L	13	13	100.0%	5	5	100.0%	2.8	9.9	6.20	2.70	8	8	100.0%	0.4	10	3.35	3.07
Xylene isomers (total)	mg/L	13	13	100.0%	5	5	100.0%	1.17	15.3	7.41	7.23	8	8	100.0%	2.11	9.6	5.61	3.01

Note: na - not applicable

**Detection frequency of chemicals by sampling technique at Well CG-V-1**

		Pre and Micropurge					Pre-Micropurge					Micropurge							
Chemical	Units	No. of results	No. of detects	No. of detects	No. of detects	No. of results	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	No. of detects	Min	Max	Average	Std. Dev.	
Field Parameters		8	8	100.0%	2	2	100.0%	194	227	211	23.3	6	6	100.0%	140	5740	1140	2260	
Conductivity	µS/cm	8	8	100.0%	2	2	100.0%	194	227	211	23.3	6	6	100.0%	140	5740	1140	2260	
Dissolved oxygen, wt/vol	mg/L	8	8	100.0%	2	2	100.0%	6	9.6	7.80	2.55	6	6	100.0%	1.31	174	31.5	69.8	
Flow	mL/min	8	8	100.0%	2	2	100.0%	360	480	420	84.9	6	6	100.0%	171	313	253	59.9	
Frequency	Hz	4	4	100.0%								4	4	100.0%	2.33	5.8	4.07	1.61	
Oxidation Reduction Potential	mV	8	8	100.0%	2	2	100.0%	-42	59	8.50	71.4	6	6	100.0%	-134	152	19.8	101	
pH		8	8	100.0%	2	2	100.0%	6.11	6.76	6.44	0.46	6	6	100.0%	6.37	7.1	6.66	0.28	
Temperature	degF	8	8	100.0%	2	2	100.0%	57.6	58.4	58.0	0.57	6	6	100.0%	50	64.3	58.0	5.26	
Turbidity	NTU	8	8	100.0%	2	2	100.0%	15.5	25.2	20.4	6.86	6	6	100.0%	0.97	11.9	5.56	4.12	
Volume Removed	L	8	8	100.0%	2	2	100.0%	2.76	3.54	3.15	0.55	6	6	100.0%	1.47	3.55	2.57	0.74	
<b>Semi-volatile Organic Compounds</b>																			
1,2,4-Trichlorobenzene	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
1,2-Dichlorobenzene	mg/L	8	5	62.5%	3	3	100.0%	0.0025	0.00286	0.0027	0.00019	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
1,3-Dichlorobenzene	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
1,4-Dichlorobenzene	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
Hexachlorobutadiene	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
Naphthalene	mg/L	8	6	75.0%	3	2	66.7%	0.005	0.0059	0.0055	0.00046	5	4	80.0%	0.000928	0.0094	0.0037	0.0036	
<b>Volatile Organic Compounds</b>																			
1,1,1,2-Tetrachloroethane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0	
1,1,1-Trichloroethane	mg/L	8	8	100.0%	3	3	100.0%	0.068	0.14	0.11	0.039	5	5	100.0%	0.00225	0.086	0.040	0.032	
1,1,2,2-Tetrachloroethane	mg/L	8	2	25.0%	3	0	0.0%	0.003	0.003	0.0030	6.7E-11	5	2	40.0%	0.001	0.003	0.0018	0.0011	
1,1,2-Trichloro-1,2,2-Trifluoroethane	mg/L	3	1	33.3%	1	0	0.0%	0.001	0.001	0.0010	na	2	1	50.0%	0.00166	0.002	0.0018	0.00024	
1,1,2-Trichloroethane	mg/L	8	3	37.5%	3	1	33.3%	0.001	0.00172	0.0010	0.00042	5	2	40.0%	0.0002	0.001	0.00068	0.00044	
1,1-Dichloroethane	mg/L	8	8	100.0%	3	3	100.0%	0.0349	0.093	0.066	0.029	5	5	100.0%	0.0145	0.2	0.084	0.072	
1,1-Dichloroethene	mg/L	8	7	87.5%	3	3	100.0%	0.00167	0.002	0.0018	0.00017	5	4	80.0%	0.0002	0.0018	0.00085	0.00060	
1,1-Dichloropropene	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0	
1,2,3-Trichlorobenzene	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
1,2,3-Trichloropropane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.001	0.0010	0	
1,2,4-Trimethylbenzene	mg/L	2	2	100.0%								2	2	100.0%	0.0471	0.0507	0.049	0.0025	
1,2-Dibromo-3-chloropropane	mg/L	2	0	0.0%								2	0	0.0%	0.001	0.005	0.0030	0.0028	
1,2-Dichloroethane	mg/L	8	7	87.5%	3	3	100.0%	0.011	0.046	0.030	0.018	5	4	80.0%	0.001	0.001	0.0010	0	
1,2-Dichloropropane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.0002	0.001	0.00068	0.00044	
1,3,5-Trimethylbenzene	mg/L	1	1	100.0%								1	1	100.0%	0.0116	0.0118	0.012	na	
1,3-Dichloropropane	mg/L	3	0	0.0%								3	0	0.0%	0.001	0.001	0.0010	0	
2,2-Dichloropropane	mg/L	8	2	25.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	3	0	0.0%	0.001	0.001	0.0010	0	
2-Butanone	mg/L	1	0	0.0%								5	2	40.0%	0.005	0.01	0.0060	0.0027	
2-Chloroethylvinyl ether	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
2-Chlorotoluene	mg/L	1	0	0.0%								5	2	40.0%	0.005	0.01	0.0080	0.0027	
2-Hexanone	mg/L	8	2	25.0%	3	0	0.0%	0.005	0.005	0.0050	6.7E-11	1	0	0.0%	0.001	0.001	0.0010	na	
4-Chlorotoluene	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	0.0027	
4-Isopropyltoluene	mg/L	1	1	100.0%								1	1	100.0%	0.00393	0.00393	0.0039	na	
4-Methyl-2-pentanone	mg/L	8	5	62.5%	3	3	100.0%	0.0145	0.059	0.035	0.022	5	2	40.0%	0.005	0.01	0.0080	0.0027	
Acetone	mg/L	8	3	37.5%	3	1	33.3%	0.005	0.061	0.042	0.032	5	2	40.0%	0.005	0.01	0.0080	0.0027	
Benzene	mg/L	8	3	37.5%	3	1	33.3%	0.001	0.0016	0.0012	0.00035	5	2	40.0%	0.001	0.001	0.0010	0.00076	
Bromobenzene	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
Bromochloromethane	mg/L	1	0	0.0%								1	0	0.0%	0.001	0.001	0.0010	na	
Bromodichloromethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.002	0.001	0.00068	0.00044	
Bromoform	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
Bromomethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
Carbon disulfide	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.002	0.001	0.00068	0.00044	
Carbon tetrachloride	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11	
Chlorobenzene	mg/L	8	7	87.5%	3	3	100.0%	0.00234	0.0652	0.0036	0.0015	5	4	80.0%	0.001	0.0048	0.0021	0.0017	
Chloroethane	mg/L	8	4	50.0%	3	1	33.3%	0.001	0.062	0.0016	0.00055	5	3	60.0%	0.001	0.00137	0.0011	0.00017	
Chloroform	mg/L	8	4	50.0%	3	1	33.3%	0.001	0.062	0.0016	0.00055	5	3	60.0%	0.001	0.00137	0.0011	0.00017	

Detection frequency of chemicals by sampling technique at Well CG-V-1

Chemical	Pre and Microbурge						Microbурge											
	Units	No. of results	No. of detects	Detection frequency	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.	No. of results	No. of detects	Detection frequency	Min	Max	Average	Std. Dev.
Chloromethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.005	0.0034	0.0022
cis-1,2-Dichloroethene	mg/L	8	8	100.0%	3	3	100.0%	0.549	1	0.71	0.25	5	5	100.0%	0.0183	0.98	0.40	0.36
cis-1,3-Dichloropropene	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11
Dibromochloromethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.0002	0.001	0.00068	0.00044
Dibromomethane	mg/L	1	0	0.0%	0	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.001	0.001	0.0010	na
Dichlorodifluoromethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11
Ethylbenzene	mg/L	8	8	100.0%	3	3	100.0%	0.0974	0.17	0.13	0.036	5	5	100.0%	0.0158	0.15	0.073	0.059
Isopropylbenzene	mg/L	1	1	100.0%	3	3	100.0%	0.0974	0.17	0.13	0.036	1	1	100.0%	0.00369	0.00369	0.0037	na
meta & para Xylenes	mg/L	8	8	100.0%	3	3	100.0%	0.34	0.367	0.36	0.014	5	5	100.0%	0.0326	0.25	0.13	0.087
Methylene chloride	mg/L	8	4	50.0%	3	0	0.0%	0.00959	0.28	0.12	0.14	5	4	80.0%	0.00253	0.013	0.0064	0.0040
n-Butylbenzene	mg/L	1	0	0.0%	0	0	0.0%	0.00959	0.28	0.12	0.14	1	0	0.0%	0.001	0.001	0.0010	na
n-Propylbenzene	mg/L	1	1	100.0%	3	3	100.0%	0.15	0.181	0.17	0.018	5	5	100.0%	0.09835	0.00835	0.0084	na
ortho-Xylene	mg/L	8	8	100.0%	3	3	100.0%	0.15	0.181	0.17	0.018	5	5	100.0%	0.0291	0.16	0.075	0.058
sec-Butylbenzene	mg/L	1	0	0.0%	0	0	0.0%	0.001	0.001	0.0010	0	1	0	0.0%	0.001	0.001	0.0010	na
Styrene	mg/L	8	4	50.0%	3	1	33.3%	0.001	0.0062	0.0027	0.0030	5	3	60.0%	0.000816	0.001	0.00096	0.00082
tert-Butylbenzene	mg/L	1	0	0.0%	0	0	0.0%	0.001	0.0062	0.0027	0.0030	1	0	0.0%	0.001	0.001	0.0010	na
Tetrachloroethene	mg/L	8	8	100.0%	3	3	100.0%	0.0041	0.0292	0.015	0.013	5	5	100.0%	0.000694	0.064	0.016	0.027
Toluene	mg/L	8	8	100.0%	3	3	100.0%	0.51	0.6	0.56	0.045	5	5	100.0%	0.018	0.22	0.094	0.088
trans-1,2-Dichloroethene	mg/L	8	6	75.0%	3	3	100.0%	0.00164	0.0021	0.0019	0.00027	5	3	60.0%	0.001	0.001	0.0029	0.0029
trans-1,3-Dichloropropene	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11
Trichloroethene	mg/L	8	6	75.0%	3	2	66.7%	0.002	0.026	0.015	0.012	5	4	80.0%	0.001	0.001	0.0091	0.010
Trichlorofluoromethane	mg/L	8	2	25.0%	3	0	0.0%	0.001	0.001	0.0010	0	5	2	40.0%	0.001	0.001	0.0010	1.3E-11
Vinyl acetate	mg/L	7	2	28.6%	3	0	0.0%	0.001	0.001	0.0010	0	4	2	50.0%	0.001	0.005	0.0030	0.0023
Vinyl chloride	mg/L	8	8	100.0%	3	3	100.0%	0.00937	0.062	0.028	0.030	5	5	100.0%	0.0568	0.56	0.17	0.22
Xylene isomers (total)	mg/L	8	8	100.0%	3	3	100.0%	0.51	0.548	0.53	0.020	5	5	100.0%	0.0617	0.36	0.20	0.14

Note: na - not applicable

## **Appendix B**

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### **Micropurge Ground Water Sampling Procedure**

## MicroPurge Ground Water Sampling Procedure

SOP No. PSC - 124

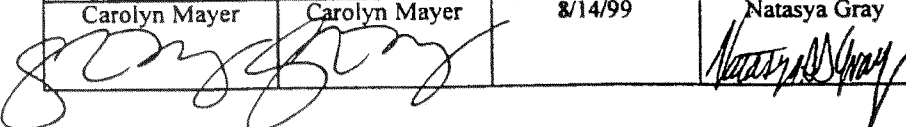
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Written By:	Approved By:	Date:	QA Concurrence:	Date:
Carolyn Mayer	Carolyn Mayer	8/14/99	Natasya Gray	8/14/99



This SOP contains nine sections:

- 1.0 Purpose
- 2.0 Application
- 3.0 References
- 4.0 Associated SOPs
- 5.0 Equipment
- 6.0 Decontamination
- 7.0 Well Sampling Procedures
- 8.0 Documentation
- 9.0 Measure of Proficiency

### 1.0 Purpose

The purpose of this SOP is to provide ground water sampling personnel with an outline of the specific information needed to collect and document representative ground water samples for chemical analyses from monitoring wells using USEPA's MicroPurge low-flow groundwater sampling technique.

### 2.0 Application

This SOP provides a step-by-step guideline to be followed by the field sampling crew to assure consistent and representative sampling.

### 3.0 References

RCRA Groundwater Draft Technical Guidance (EPA, 1992)

SOP GW-0001, Low Stress (low flow) Purging and Sampling Procedure for the Collection of Groundwater Samples from Monitoring Wells (USEPA, Region I, July 30, 1996)



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### **4.0 Associated SOPs**

PSC-121

PSC-122

PSC-123

PSC-200

PSC-201

PSC-300

PSC-400

### **5.0 Equipment**

The following equipment is necessary to properly sample a ground water monitoring well:

- A well key, hand drill, socket set, pad lock key, or other well access equipment.
- A photo-ionization detector to monitor and record the well headspace.
- An electric water meter and oil/water interface probe calibrated to a hundredth of a foot, and sufficiently long to reach the bottom of the well.
- Well purging equipment (e.g. pump, tubing, power supply, and extension cord).
- A sufficient number of 55-gallon drums (including lids, gaskets, and fasteners) to contain all purge water, unless other water handling arrangements have been made.
- Flow-through water quality meter(s) that measures temperature, pH, specific conductivity, dissolved oxygen, redox potential, and a separate turbidity meter.
- A sufficient number of sampling containers including containers for field blanks, equipment blanks, duplicates, trip blanks, and matrix spike/matrix spike duplicates.
- All required documentation including sample labels, field books, sampling forms, and chains-of-custody.
- Chemical preservatives for samples as described in the project-sampling plan or as required by the laboratory.
- Personal protective equipment as described in the Site Health and Safety Plan.

## **MicroPurge Ground Water Sampling Procedure**

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- Decontamination equipment as specified in the Work Plan.
- Sampling support equipment (e.g., sample coolers, ice/blue ice, bubble wrap, clear tape, duct tape, Ziploc bags, razor knives, garbage bags, paper towels, distilled water, pipettes, nitrile gloves).

### **6.0 Decontamination**

All reusable equipment that will come in contact with the well and/or be used to acquire samples will be decontaminated prior to arrival on site, relocation on site, and site exit. Standard Operating Procedures PSC-201 (for Teflon and glass) and PSC-200 (for metal) shall be followed.

### **7.0 Well Sampling Procedures**

#### **7.1 Set Up**

Upon arrival at each well, the following procedures shall be followed:

- Suit up in appropriate personal protective equipment as described in the Site Health and Safety Plan.
- Brush any soil or vegetation and pump any standing water away from the well opening.
- Lay plastic sheeting around well to place equipment on and keep cords, tubing and pumps from touching the ground.
- Open the well cap.
- Monitor the headspace within the well using the PID (PSC-300 for PID operation). This is done by placing the instrument probe at the opening of the well, and recording the reading in the field book and on the appropriate field forms.
- Measure and record the depth to water using a decontaminated water level indicator or oil/water interface probe. All measurements are to be made in accordance with PSC-121-123. All measurements will be taken from the north point on the dedicated

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pump or at the hatch mark on the well riser. Measurements are to be made to the nearest one hundredth of a foot and recorded in the field book and on the appropriate field form.

- Set up pump, converter, and flow-through cell in preparation for purging. Turn converter to its lowest setting, set memory in flow-through cell to record readings every three minutes, then turn the converter on. Begin purging slowly so that the water table is not drawn down.

## **7.2 Purging Monitoring Wells**

### **7.2.1 Purging Procedure**

#### **General Considerations**

Begin to purge and initiate water quality testing for temperature, pH, specific conductivity, dissolved oxygen, redox potential, and turbidity. Water quality parameters should be recorded every 3 minutes.

Water levels should also be recorded every 3-5 minutes. It is imperative that the water level does not drop by more than 0.3' during the purging process.

Flow rates should also be recorded every 3-5 minutes. It is also important to ensure the flow rate does not exceed 300 ml/min during the purging process.

#### **7.2.1.1 Purging Wells with Dedicated Pumps**

Wells with dedicated pumps also have dedicated tubing that will be used for both purging and sampling. A converter, powered by a generator or electrical outlet, will be hooked up to the Grundfos Redi-Flow II submersible pump and operated at a low flow rate of less than 300 ml/min. Be sure that the control box is set at low when it is turned on so that the water column is not abruptly disturbed.

#### **7.2.1.2 Purging Wells with Non-Dedicated Pumps**

Wells without dedicated pumps will be purged with a peristaltic pump and disposable Teflon and silicon tubing. The flow rate for these pumps is also expected to be less than 300 ml/min during the purging process.

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If the well does not have a dedicated pump or LNAPL, then the Teflon sample tubing can be lowered to the middle of the screened interval of the well. Pumping can begin at a low rate of less than 300 ml/min. Be sure that the control box is set on low when it is turned on so that the water column is not abruptly disturbed.

If the well currently contains LNAPL, then a 1.5" diameter PVC pipe with a silicone plug will be lowered into the well in order to pass through the LNAPL layer. The Teflon tubing will be lowered through the PVC pipe and it will knock out the plug to reach the water column beneath the LNAPL layer. The bottom of the Teflon tubing should be in the middle of the well screen. (The plug will be tied to a silicone line that reaches to ground surface so that the plug can be removed from the well after sampling.) Once the Teflon tube is in the water column, the pump can be started at a low rate of less than 300 ml/min. Be sure that the control box is set at low when it is turned on so that the water column is not abruptly disturbed.

### **7.2.2 Purging Requirements**

Sampling cannot begin until one of the following requirements has been met:

- Turbidity, redox potential, and dissolved oxygen have stabilized within 10% of each other, temperature and specific conductivity have stabilized within 3% of each other, and pH has remained within 0.1 pH unit for at least three consecutive readings;
- If stabilization of the water quality parameters is unachievable but one well volume of groundwater has been removed from the well;
- The well runs dry twice during the purging procedure.

## **7.3 Sampling Procedure**

### **General Considerations**

Do not stop pumping once the purging requirements have been met. Disconnect the sampling tube from the flow-through cell. Slow the pumping rate to about 100 ml/min in order and to reduce the chance of volatilization of the chemicals will collecting the samples. It is also imperative not to lower the water table or disturb the water column.

### **7.3.1 Sampling Wells with Dedicated Pumps**

Wells with dedicated pumps will be sampled directly from the dedicated tubing.

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### **7.3.2 Sampling Wells with Non-dedicated Pumps**

Wells without dedicated pumps will be sampled with the peristaltic pump using the disposable Teflon tubing that was used for purging.

## **7.4 Post-Sampling Procedures**

After all the samples have been collected in their appropriate bottles, at least one more water quality reading should be recorded in order to see if there was any change during sampling.

The depth to water should be recorded to determine whether the water level changed from the original reading.

Close the well appropriately and record any well integrity concerns in the field book and on the sampling form.

## **8.0 Documentation**

Documentation of all monitoring well development activities including all field forms and the maintenance of a detailed field notebook are described in PSC-400.

## **9.0 Measure of Proficiency**

Field staff will demonstrate proficiency on this SOP by successfully completing sections 6.0, 7.0, and 8.0 a minimum of twice under the direct supervision of the Corrective Actions Manager or her/his designee.