SEMI-ANNUAL GROUNDWATER MONITORING REPORT

PACIFIC GAS & ELECTRIC
GENERAL CONSTRUCTION YARD
4930 COLISEUM WAY
OAKLAND, CA 94601

August 1, 2001

CSS Project No. 6118

Prepared for

PACIFIC GAS & ELECTRIC COMPANY
4930 Coliseum Way
Oakland, California 94601

Prepared by

CSS ENVIRONMENTAL SERVICES, INC.
95 Belvedere Street, Suite 2
San Rafael, California 94901

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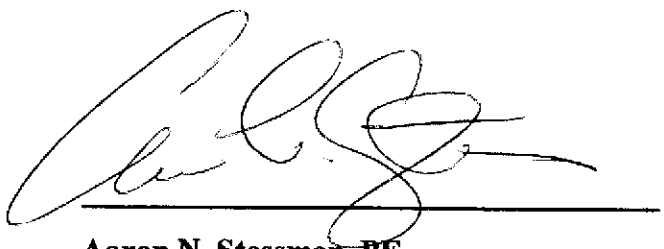

Aaron N. Stessman, PE
Principal Engineer

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APPENDICES

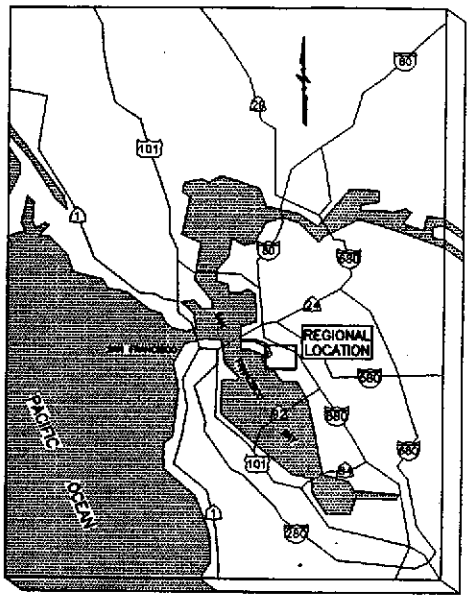
1.0 BACKGROUND

This report presents the results of semiannual groundwater monitoring and sampling completed in the second quarter of 2001 at the PG&E Distribution and Construction Yard at 4930 Coliseum Way in Oakland, California. A vicinity map is included as Figure 1.1. This report was completed in accordance to the directive issued by the Alameda County Health Care Services Agency (ACHCSA) and a PG&E letter to Alameda County dated April 12, 1993. This report discusses the June 2001 monitoring and sampling event and summarizes the results from groundwater monitoring and sampling performed at the site between January 1990 and the present. The groundwater monitoring program involves the following activities: measuring groundwater elevations; collecting groundwater samples from shallow wells on the site; and performing analyses of the samples to determine the distribution of selected fuel compounds, solvents, and lead in the uppermost water bearing zone, beneath the northern portion of the yard. This area includes the former locations of five underground storage tanks and one above ground storage tank. Figure 1.2 shows the site plan for the subject property.

In January 1988, all of the site's underground storage tanks and associated piping within the PG&E property lines were removed. Analysis of their contents revealed that of the four tanks formerly located in a cluster at the north corner of the yard, two contained mineral spirits and two contained heavy oils. A concrete sump was located approximately 50 feet northeast of the tank cluster, near the location of a former welding shop. A fifth tank was formerly located near the west corner of the yard and contained diesel fuel. A soil sample collected below this tank indicated a concentration for diesel below the detection limit of 10 mg/kg. Following the tank removal, a subsurface investigation showed that soils immediately adjacent to the former diesel tank were not adversely impacted.

A number of soil samples collected near the former tank cluster, sump and shop location were found to contain Total Petroleum Hydrocarbons such as Diesel (TPH-D) at concentrations up to 3,900 mg/kg and Oil and Grease (O&G) at concentrations up to 1,000 mg/kg. These results were reported in the July 1988 report "Underground Tanks Investigation" by PG&E's Technical and Ecological Services Division.

In November and December 1991, approximately 2,000 cubic yards of soil was excavated as a remedial action for the petroleum hydrocarbons identified in the soil. Soil was excavated to the depth of groundwater, approximately 8 to 8 ½ feet below ground surface at the time, and replaced with clean, compacted backfill. The backfill below approximately 7 feet consisted of drain rock while backfill above 7 feet consisted of Class II aggregate base. The northwest and northeast excavation boundaries reached the approximate PG&E property lines. During the remedial excavation, confirmatory samples were taken along the sidewalls and bottom of the excavation to confirm that all the contaminated soil with concentrations above the regulatory agency approved cleanup target levels was removed. The cleanup targets for gasoline (TPH-G) and diesel (TPH-D) were 10 mg/kg and 100 mg/kg, respectively. The cleanup target for O&G was 1,000 mg/kg, and for Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) compounds was 5 µg/kg (total BTEX). This work was described in an EARTH TECHNOLOGY CORPORATION (formerly Aqua Resources, Inc.) document "Site Remediation and Closure Report ... Former Tank Cluster Area" dated February 1992.



SCALE

MILE 0 1 MILE

ALAMEDA

OAKLAND

HIGH ST

COLISEUM WAY

50TH AVE.

SITE

EAST 14TH ST

JULIE ANN WAY

66TH AV

San Leandro Bay

OAKLAND ALAMEDA CO. COLISEUM

DOOLITTLE DRIVE

OAKLAND INTERNATIONAL AIRPORT

SAN LEANDRO ST

COLISEUM WAY

HEGENBERGER RD

880

CSS ENVIRONMENTAL SERVICES, INC.

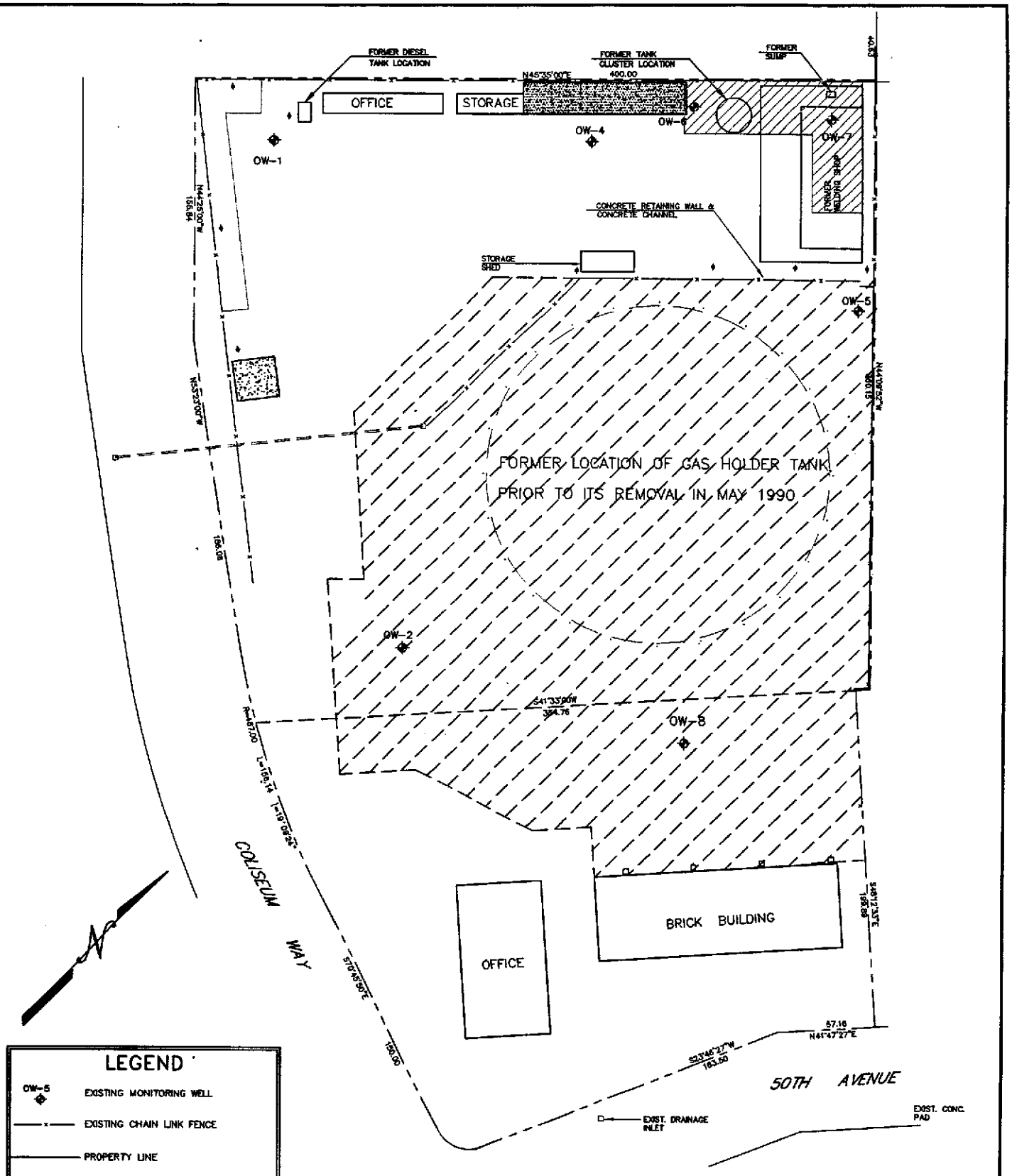
SITE LOCATION MAP

PG & E DISTRIBUTION CONSTRUCTION SITE
4930 COLISEUM WAY
OAKLAND, CA 94610

JOB NUMBER	DATE	DRAWING	BY	REVISED
6118	01/99	3666LOC	JL/ZS	00/00

FIGURE

1.1



CSS

CSS ENVIRONMENTAL SERVICES, INC.

SITE PLAN
PG&E DISTRIBUTION CONSTRUCTION SITE
4930 COLISEUM WAY
OAKLAND, CA 94610

FIGURE 1.2

JOB NUMBER	DATE	DRAWING	BY	REVISED
6118	11/96	6118SITE	ESS	7/00

The samples collected along the PG&E property lines were above cleanup target levels, while each of the remaining confirmatory samples was below the cleanup target levels. The samples collected along the northeastern property line were above cleanup targets primarily due to TPH-D and O&G concentrations. The soils in this excavation wall contained visible tar and heavy oil, and also two pipes containing a similar petroleum product. Analytical testing of the product found in the pipes indicated TPH-D at 7,000 mg/kg and did not indicate VOCs above the method detection limit. The samples on the northwestern property line were above cleanup target levels for one or more of TPH-G, TPH-D, O&G, and BTEX.

The conclusions of the February 1992 closure report suggested that offsite sources of petroleum hydrocarbons may exist in both the northeast and northwest directions, and requested regulatory agency input in initiating an investigation of these potential sources. Quarterly groundwater monitoring and sampling for a period of one year was recommended in the 1992 report for wells OW-1, OW-4, OW-6 and OW-7.

In September and October of 1992, a containment mitigation cap was constructed over the surface soils in an area south of the hydrocarbon remediation area. These soils are contaminated with lead, believed to originate from lead-containing paint chips generated from sandblasting of a large above-ground natural gas storage tank. The tank was removed in May 1990, and the soils were found contaminated with total and soluble lead above California Code of Regulations (CCR) levels for hazardous wastes. CCR Total Threshold Limit Concentration (TTLC) for lead is 1,000 mg/kg and the Soluble Threshold Limit Concentration (STLC) is 5 mg/L, equivalent to parts per million (ppm). The ACHCSA and the Regional Water Quality Control Board (RWQCB) approved capping as the selected remedial option for this area. As part of the remedial option the County agreed upon continued groundwater monitoring and sampling for lead. Following containment capping, the remaining open ground at the site was covered with asphalt concrete.

In February 1993, well OW-8 was installed in the southern area of the yard in the vicinity of the former above-ground storage tank (AST). A maximum lead concentration of 27 µg/L (April 1993) was reported in samples collected from OW-8, which is below the state Maximum Contaminant Level (MCL) of 50 µg/L for drinking water. Wells OW-2 and OW-5 are located in the vicinity of the former AST and are also being monitored for lead. Lead has not been detected above the State MCL in any monitoring events for wells OW-2, OW-5 and OW-8.

Based on lead levels consistently falling below the MCL for drinking water, the lead regulatory agency, ACHCSA, issued a letter (Appendix C) on July 14, 1994 reducing the required lead sampling frequency from quarterly to semi-annually. Similarly, petroleum hydrocarbon and VOC monitoring is presently performed semi-annually for specific wells.

2.0 GROUNDWATER MONITORING AND SAMPLING ACTIVITIES

Four of the five originally installed monitoring wells remain in existence at the site. Monitoring well OW-3 was destroyed during the remedial excavations performed in November 1991 in the northern corner of the yard. Two new monitoring wells, OW-6 and OW-7, were installed on December 19, 1991. OW-6 was placed in the vicinity of OW-3 to act as a replacement, and OW-7 was installed at the northeastern end of the remediation area to monitor upgradient contamination of the shallow groundwater underlying the site. Both wells penetrate the clean, compacted backfill placed in the previously excavated remediation area. Monitoring well OW-8 was installed in February 1993 to monitor possible lead concentrations in the groundwater, downgradient of the former AST. The locations of the new wells were approved by the ACHCSA.

On June 27, 2001, groundwater samples were collected by CSS Environmental Services, Inc. (CSS) personnel from monitoring wells OW-1, OW-2, OW-5, OW-6, OW-7, and OW-8. Well OW-4 was inaccessible due to the presence of an overlying storage container. Prior to sampling, three casing volumes of groundwater were purged with a bailer from each well to ensure the collection of formational water. The parameters' temperature, pH and conductivity were measured. Groundwater samples were then collected and properly stored for transportation to a State of California certified laboratory for analysis. This report presents the results of the June 27, 2001 sampling event.

The groundwater samples collected from each well were selectively analyzed by STL Chromalab of Pleasanton, California for TPH-D (LUFT Manual, October 1989), TPH-G (LUFT Manual, October 1989), BTEX (EPA method 8020), purgeable halocarbons compounds (EPA method 8010), and lead (EPA method 6010A), and MTBE (EPA method 8260A) according to the monitoring schedule.

Table 2.1 presents the current monitoring schedule with appropriate sample analyses. This schedule has been adopted with approval from the ACHCSA as provided in their letter dated July 14, 1994.

Table 2.1 Well Monitoring Schedule and Analyses

	TPH-D	TPH-G BTEX	EPA 8010 (VOCs)	Lead	Ground water Elevation
OW - 1	S	S			S
OW - 2				S	S
OW - 4	S	S			S
OW - 5	S	S	S	S	S
OW - 6	S	S	S		S
OW - 7	S	S	S		S
OW - 8				S	S

S = Semiannual monitoring

Certified laboratory results are presented in Appendix A along with chain-of-custody documentation. A table of the historical results of the laboratory analyses is included in Appendix B.

3.0 ANALYTICAL RESULTS

3.1 PETROLEUM HYDROCARBONS

Table 3.1 summarizes the analytical results for petroleum hydrocarbons detected in the groundwater samples collected on June 27, 2001. TPH-D was detected in the four monitoring wells sampled for TPH-D and the highest concentration was observed in well OW-7. TPH-G was detected in three of the four monitoring wells sampled for TPH-G. The highest concentration of TPH-G was observed in monitoring well OW-7.

Table 3.1 Petroleum Hydrocarbons in Groundwater, in mg/L

Well	TPH-D	TPH-G
OW - 1	0.740	0.480
OW - 5	0.540	0.079
OW - 6	0.320	ND
OW - 7	1.100	1.200

Notes:

1) ND = Not Detected at or above the method Reporting Limits (RL)
2) TPH-D = Extractable Petroleum Hydrocarbons, Diesel Range, LUFT Manual, October 1989; RL = 0.05 mg/L.
3) TPH-G = Total Petroleum Hydrocarbons by California DHS Method LUFT Manual, October 1989; RL = 0.05 mg/L.
4) NA = Not Analyzed.

Figures 3.1 and 3.2 illustrate the historical concentrations of TPH-D in the monitored wells. The data from monitoring wells OW-3 and OW-6 are combined since OW-6 was installed to replace OW-3 following its destruction.

Figures 3.1 and 3.2 show that TPH-D concentrations were generally higher around the time of, or soon after, the remedial excavation in November 1991 in the wells in the remediation vicinity: OW-4, OW-6, and OW-7. Compared to the previous sampling event (November 2000), this quarter's results show an increase in TPH-D concentrations in all wells. Well OW-4 has been inaccessible for sampling over the past six sampling events due to the presence of an overlying storage container.

It was noted in the February 1992 tank cluster area remediation report that there is an apparent off-site source of contamination upgradient of the PG&E yard. The persistence of moderate TPH following remediation in this area is believed to be the result of this upgradient contamination.

FIGURE 3.1
TPH-DIESEL in OW - 1, 2, & 5

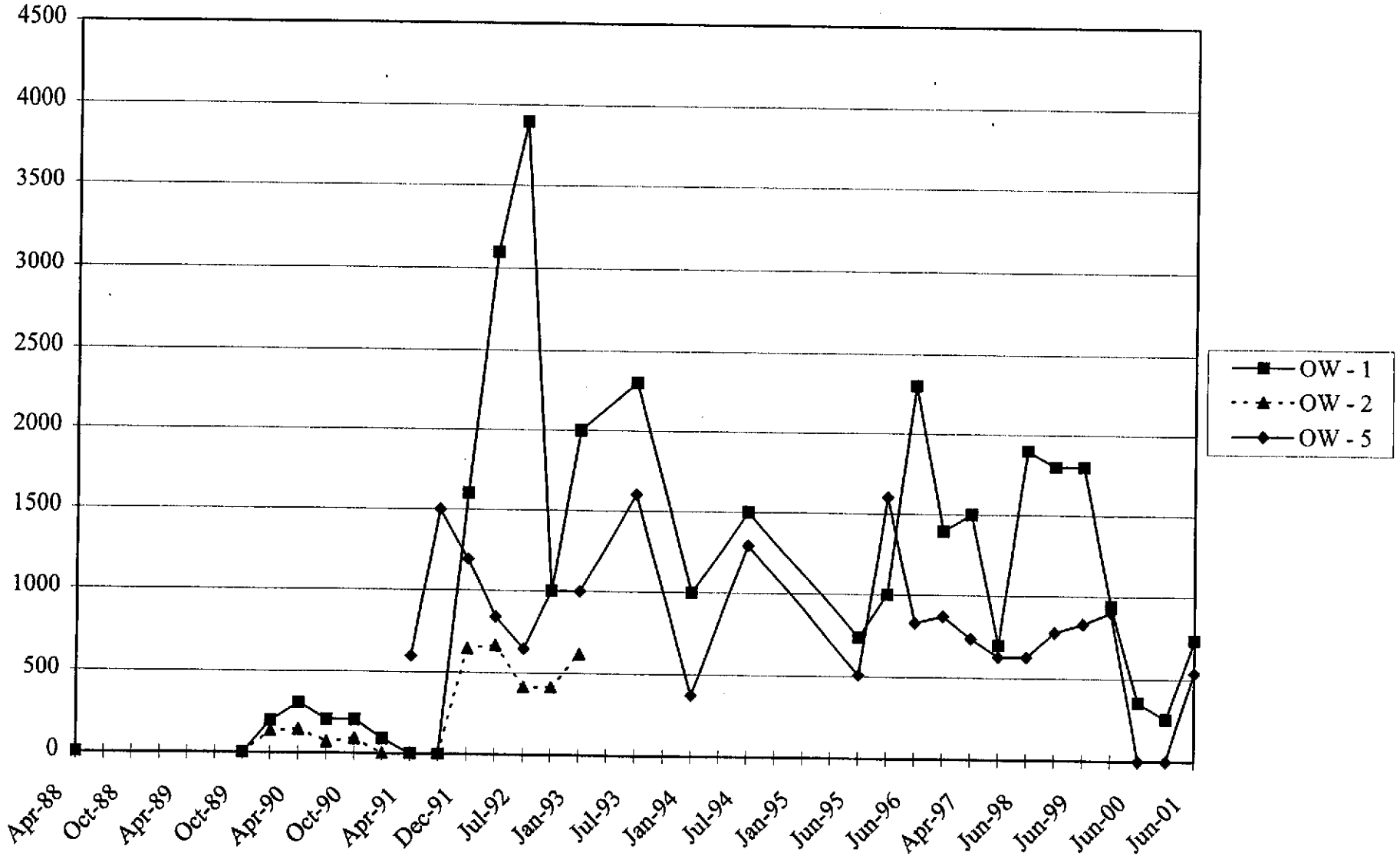


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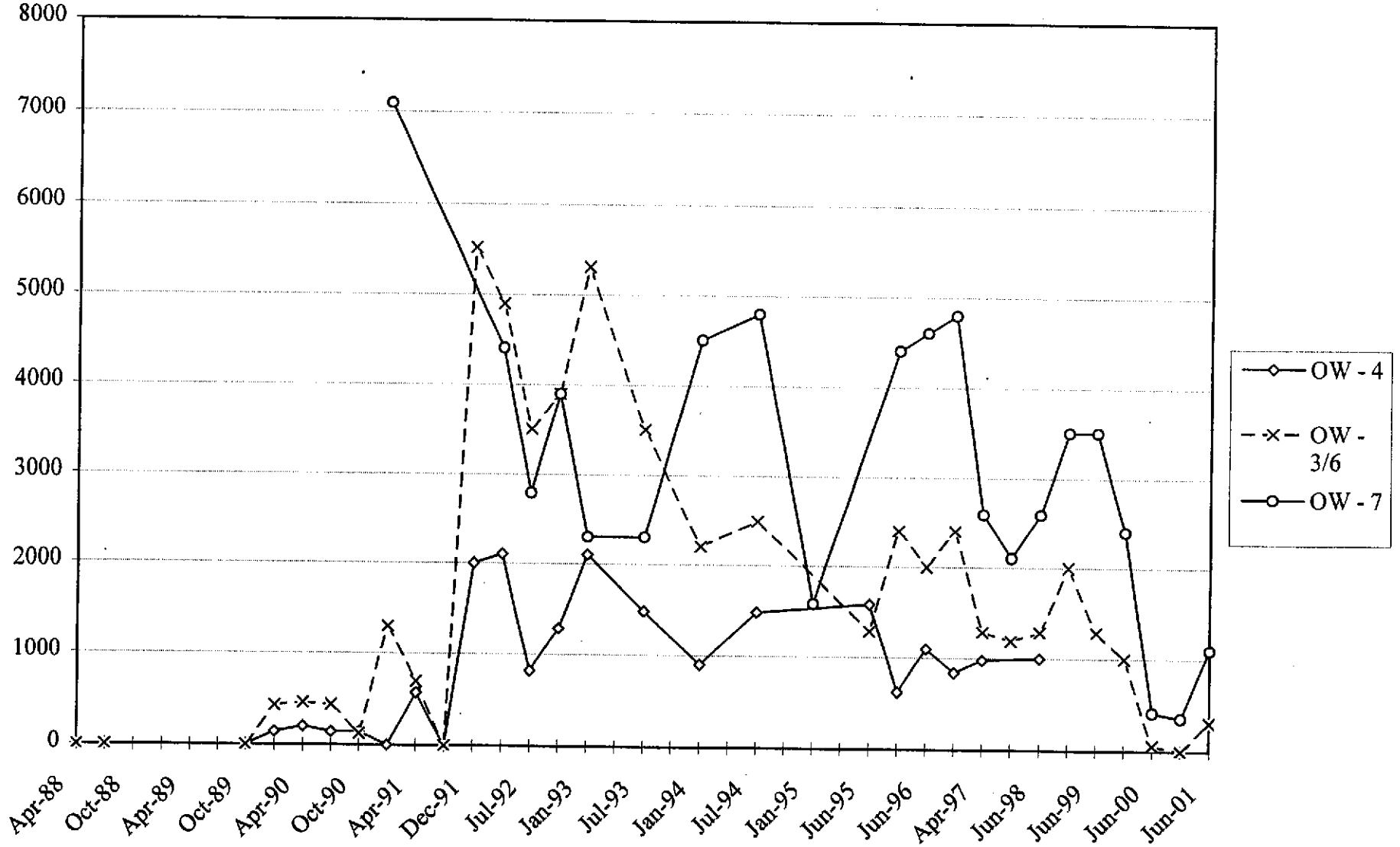
FIGURE 3.2
TPH-DIESEL in OW - 4, 3/6, & 7



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Figures 3.3 and 3.4 illustrate the historical concentrations of TPH-G. Between January 1991 and March 1992 the analyses were not performed. Monitoring of TPH-G concentrations in OW-2 is no longer performed due to non-detections in this well. TPH-G has been consistently below 500 µg/L in all wells except upgradient wells OW-1, and OW-7. Historically, OW-7 has had concentrations ranging from 650 to 1,800 µg/L. The current TPH-G concentration for OW-1 is 480 µg/L. Well OW-1's current TPH-G concentration shows a decrease compared to the previous sampling event of November 2000, while OW-5's and OW-7's current TPH-G concentrations of 79 µg/L and 1200 µg/L, respectively, show an increase. Current sampling results were non-detect for well OW-6.

3.2 LEAD

Table 3.2 presents the results of this quarter's groundwater analyses for lead. The maximum contaminant level (MCL) observed by state water treatment systems is 15 µg/L. Samples were collected and analyzed for dissolved lead (filtered) in June of 2001. During this quarter's event, lead was not detected in the monitoring wells that were sampled for lead. Historically, the majority of samples show concentrations below the 15 µg/L drinking water MCL. The highest historical concentration of lead was 27 µg/L in OW-8, sampled in April 1993.

Table 3.2 Lead in Groundwater, in µg/L

Well Number	State MCL	Reporting Limit	Dissolved Lead
OW-2	15	5.0	ND
OW-5	15	5.0	ND
OW-8	15	5.0	ND

Notes:
MCL = Maximum Contaminate Level for drinking water.
ND = Not Detected at or above the method Reporting Limits (RL)
NA = Not Analyzed
Dissolved Lead analyses performed by EPA Method 6010A

FIGURE 3.3
TPH-GASOLINE in OW - 1 & 7

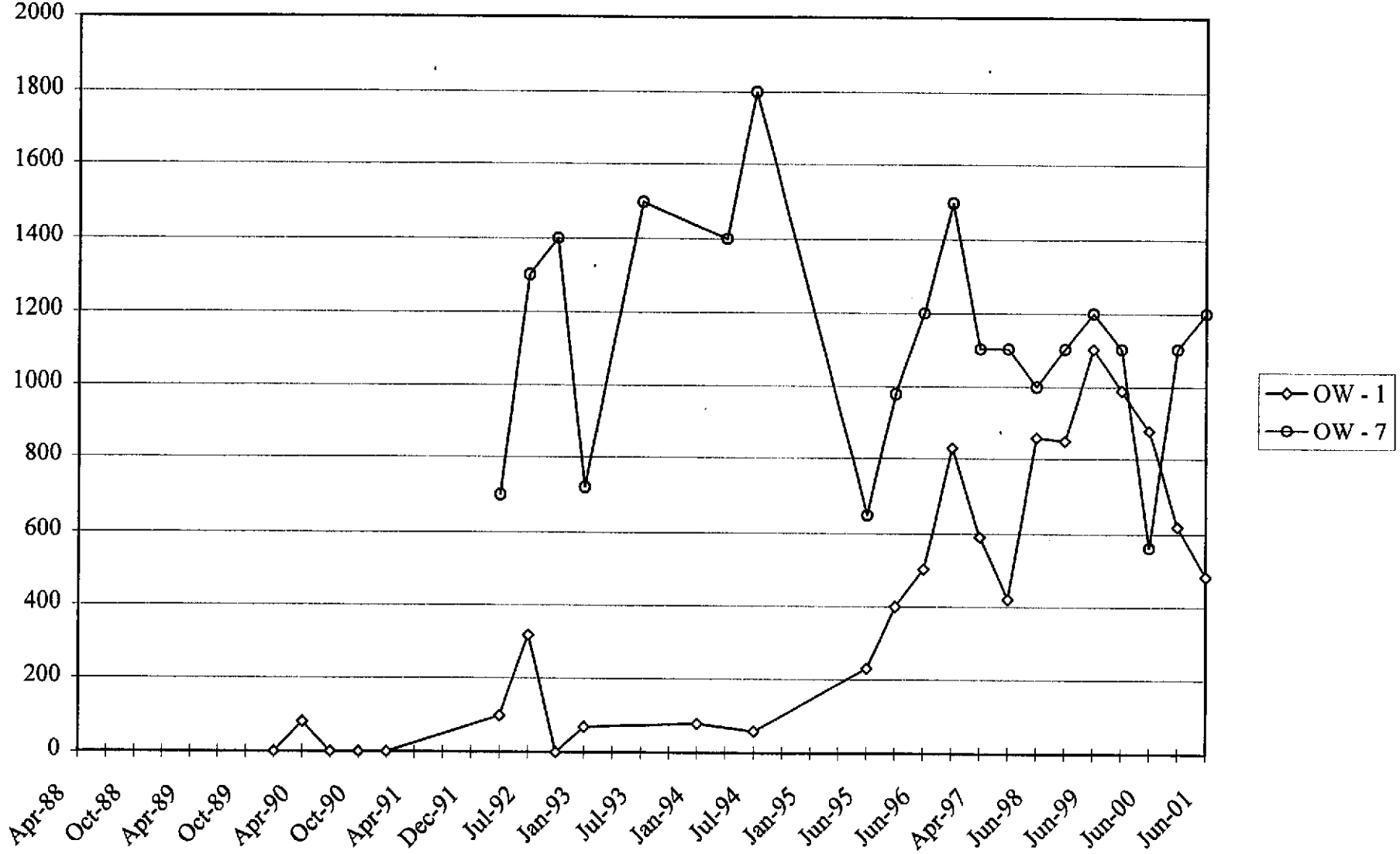
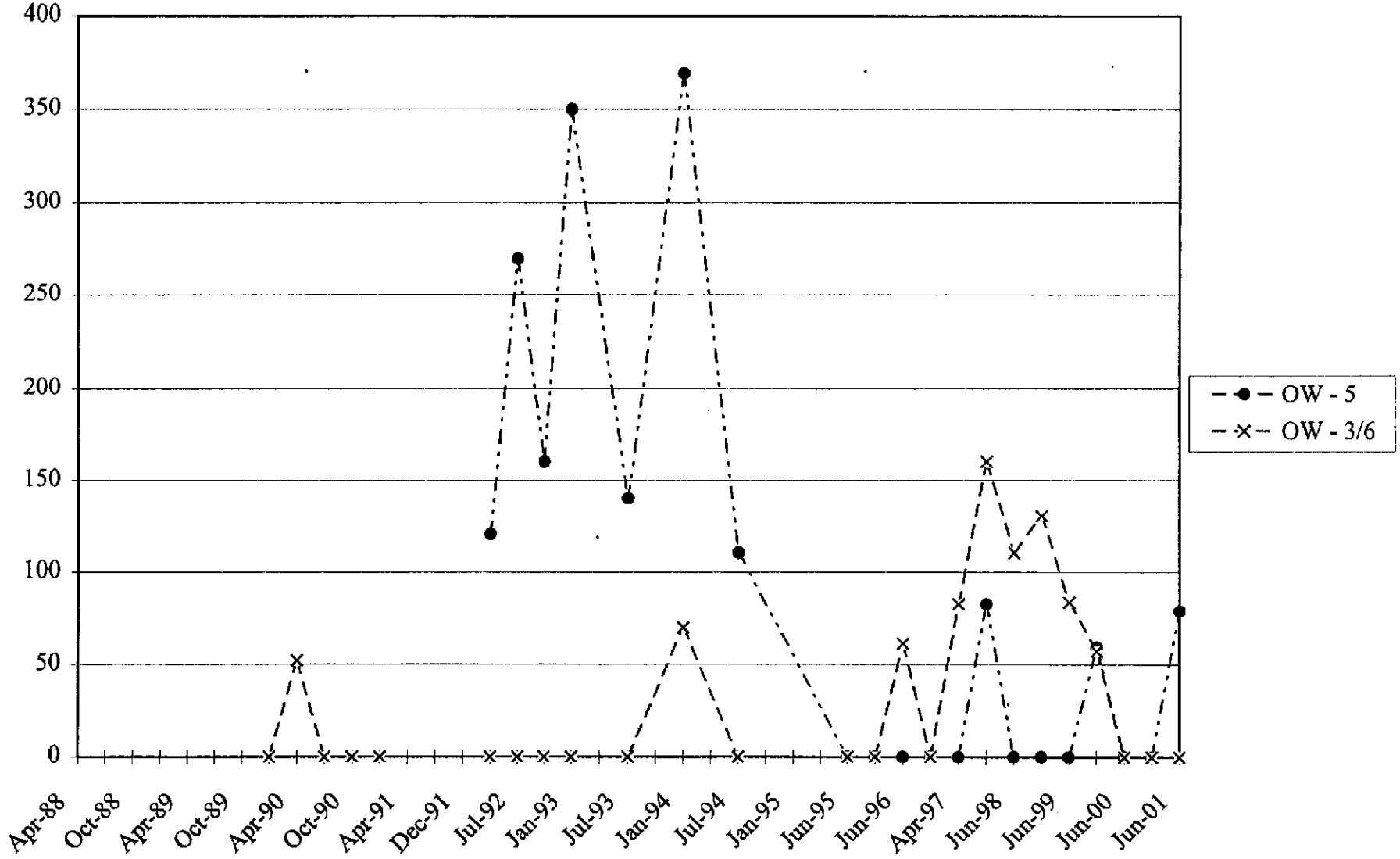


FIGURE 3.4
TPH-GASOLINE in OW - 5 & 3/6



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3.3 VOLATILE ORGANIC COMPOUNDS

Historical results of VOC monitoring are presented in Appendix B. Table 3.3 presents the recent analytical results for VOCs in groundwater. The state MCLs for drinking water were exceeded for the following compounds: 1,4-Dichlorobenzene (1,4-DCB) in monitoring wells OW-6 and OW-7 at concentrations of 6.1 µg/L and 510 µg/L respectively, and Benzene in well OW-5 at a concentration of 7.7 µg/L.

VOCs detected at concentrations below their MCLs include:

- 1,1-Dichloroethane in wells OW-5 and OW-6;
- Chlorobenzene in well OW-7;
- 1,3-Dichlorobenzene (1,3-DCB) in wells OW-6 and OW-7;
- 1,2-Dichlorobenzene (1,2-DCB) in well OW-7;
- Trichloroethylene in well OW-5;
- Total Xylenes in well OW-1.

Figures 3.5 and 3.6 show the historical concentrations of total VOCs in the on-site monitoring wells. Figure 3.5 shows the concentrations of total VOCs in wells OW-1, OW-2 and OW-4. Of these wells, none are presently monitored for VOCs.

Figure 3.6 shows the concentrations of total VOCs in wells OW-5, OW-6, and OW-7, located at the upgradient edges of the site. The total VOC concentrations detected this quarter in wells OW-5, OW-6, and OW-7 were 2.1 µg/L, 8.7 µg/L, and 941 µg/L, respectively. These three wells lie within ten feet of the northeast and/or northwest property lines of the site. Groundwater elevation monitoring consistently indicates that the groundwater flow direction is from the north from neighboring properties onto the PG&E site. This demonstrates that VOCs may be migrating onto the PG&E site from an upgradient source.

Table 3.3 Volatile Organic Compounds in Groundwater, in ug/l

PURGEABLE HALOCARBONS	MCL	Well Number							
		OW-1	OW-2	OW-4	OW-5	OW-6	OW-7	OW-8	MB
Chloromethane		NA	NA	NA	ND	ND	ND	NA	ND
Bromomethane		NA	NA	NA	ND	ND	ND	NA	ND
Vinyl chloride	0.5	NA	NA	NA	ND	ND	ND	NA	ND
Chloroethane		NA	NA	NA	ND	ND	ND	NA	ND
Methylene Chloride	5#	NA	NA	NA	ND	ND	ND	NA	ND
Trichlorofluoromethane	150	NA	NA	NA	ND	ND	ND	NA	ND
1,1-Dichloroethene	6	NA	NA	NA	ND	ND	ND	NA	ND
1,1-Dichloroethane	5	NA	NA	NA	1.4	1.2	ND	NA	ND
cis-1,2-Dichloroethene	6	NA	NA	NA	ND	ND	ND	NA	ND
trans-1,2-Dichloroethene	10	NA	NA	NA	ND	ND	ND	NA	ND
Chloroform	100#*	NA	NA	NA	ND	ND	ND	NA	ND
Freon 113	1200	NA	NA	NA	ND	ND	ND	NA	ND
1,2-Dichloroethane	0.5	NA	NA	NA	ND	ND	ND	NA	ND
1,1,1-Trichloroethane	200	NA	NA	NA	ND	ND	ND	NA	ND
Carbon Tetrachloride	0.5	NA	NA	NA	ND	ND	ND	NA	ND
Bromodichloromethane	100#*	NA	NA	NA	ND	ND	ND	NA	ND
1,2-Dichloropropane	5	NA	NA	NA	ND	ND	ND	NA	ND
cis-1,3-Dichloropropene	5***	NA	NA	NA	ND	ND	ND	NA	ND
Trichloroethylene	5	NA	NA	NA	0.7	ND	ND	NA	NA
1,1,2-Trichloroethane	32	NA	NA	NA	ND	ND	ND	NA	ND
trans-1,3-Dichloropropene	5***	NA	NA	NA	ND	ND	ND	NA	ND
Dibromochloromethane	100#*	NA	NA	NA	ND	ND	ND	NA	ND
2-Chloroethylvinyl Ether		NA	NA	NA	ND	ND	ND	NA	ND
Bromoform	100#*	NA	NA	NA	ND	ND	ND	NA	ND
Tetrachloroethylene	5	NA	NA	NA	ND	ND	ND	NA	NA
1,1,2,2-Tetrachloroethane	1	NA	NA	NA	ND	ND	ND	NA	ND
Chlorobenzene	30	NA	NA	NA	ND	ND	27	NA	ND
1,3-Dichlorobenzene	600#	NA	NA	NA	ND	1.4	320	NA	ND
1,2-Dichlorobenzene	600#	NA	NA	NA	ND	ND	42	NA	ND
1,4-Dichlorobenzene	5	NA	NA	NA	ND	6.1	510	NA	ND
PURGEABLE AROMATICS									
Benzene	1	ND	NA	NA	7.7	ND	ND	NA	ND
Toluene	1000#	ND	NA	NA	ND	ND	ND	NA	ND
Ethylbenzene	680	ND	NA	NA	ND	ND	ND	NA	ND
Total Xylenes	1750**	3.4	NA	NA	ND	ND	ND	NA	ND
FUEL OXYGENATES									
Methyl tertiary butyl ether	13+	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1) MCL = Maximum Contaminant Level in drinking water (State MCL, if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) Fuel Oxygenates, MTBE only (EPA mehod 8260A)
Exceeded MCL
10) NA = Not Tested
11) MB = Method Blank
12) + = California Public Health Goal for Chemicals in Drinking Water

FIGURE 3.5
TOTAL VOCs in OW-1, 2, & 4

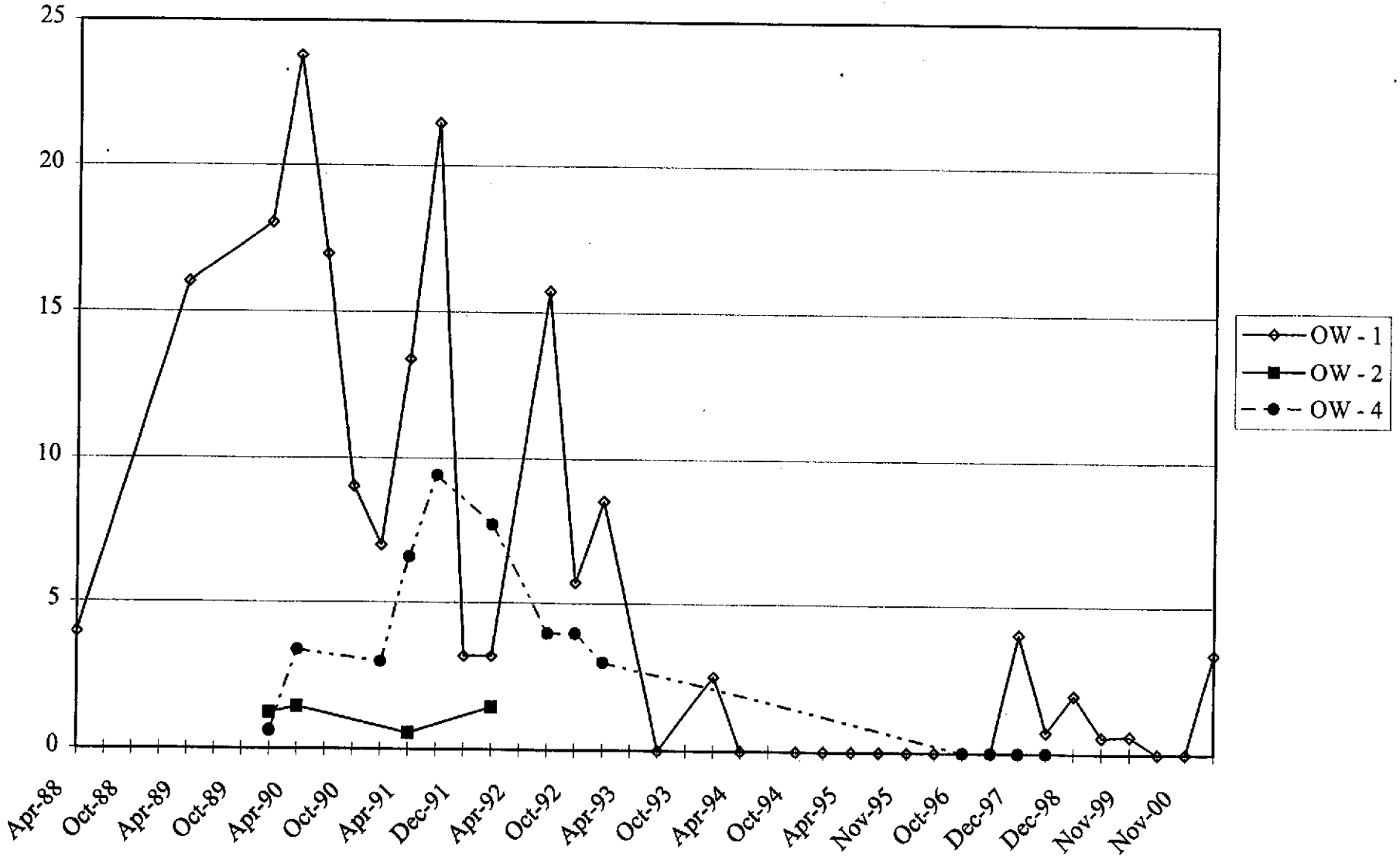

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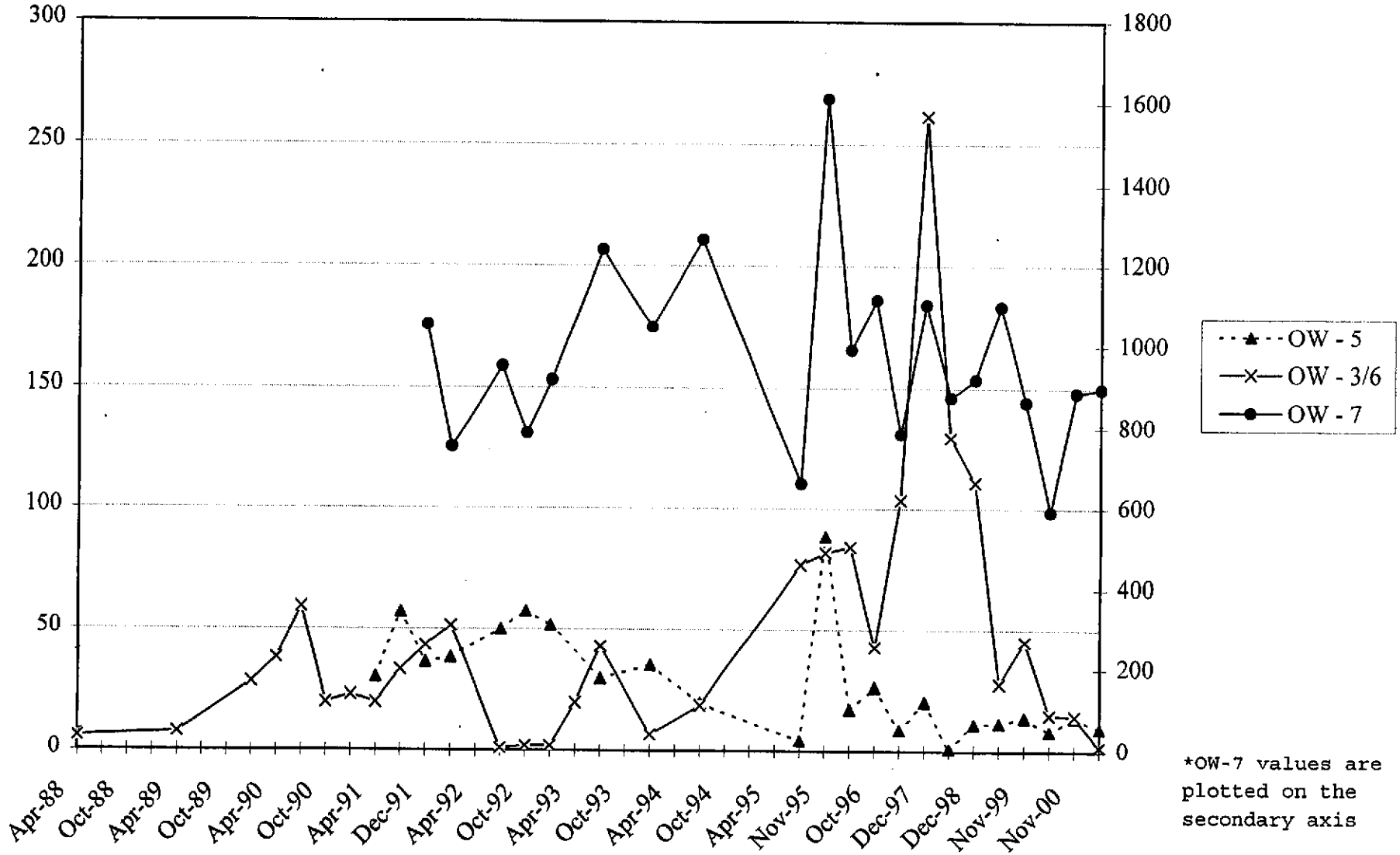
FIGURE 3.6
TOTAL VOCS in OW-5, 6, & 7*



*OW-7 values are plotted on the secondary axis

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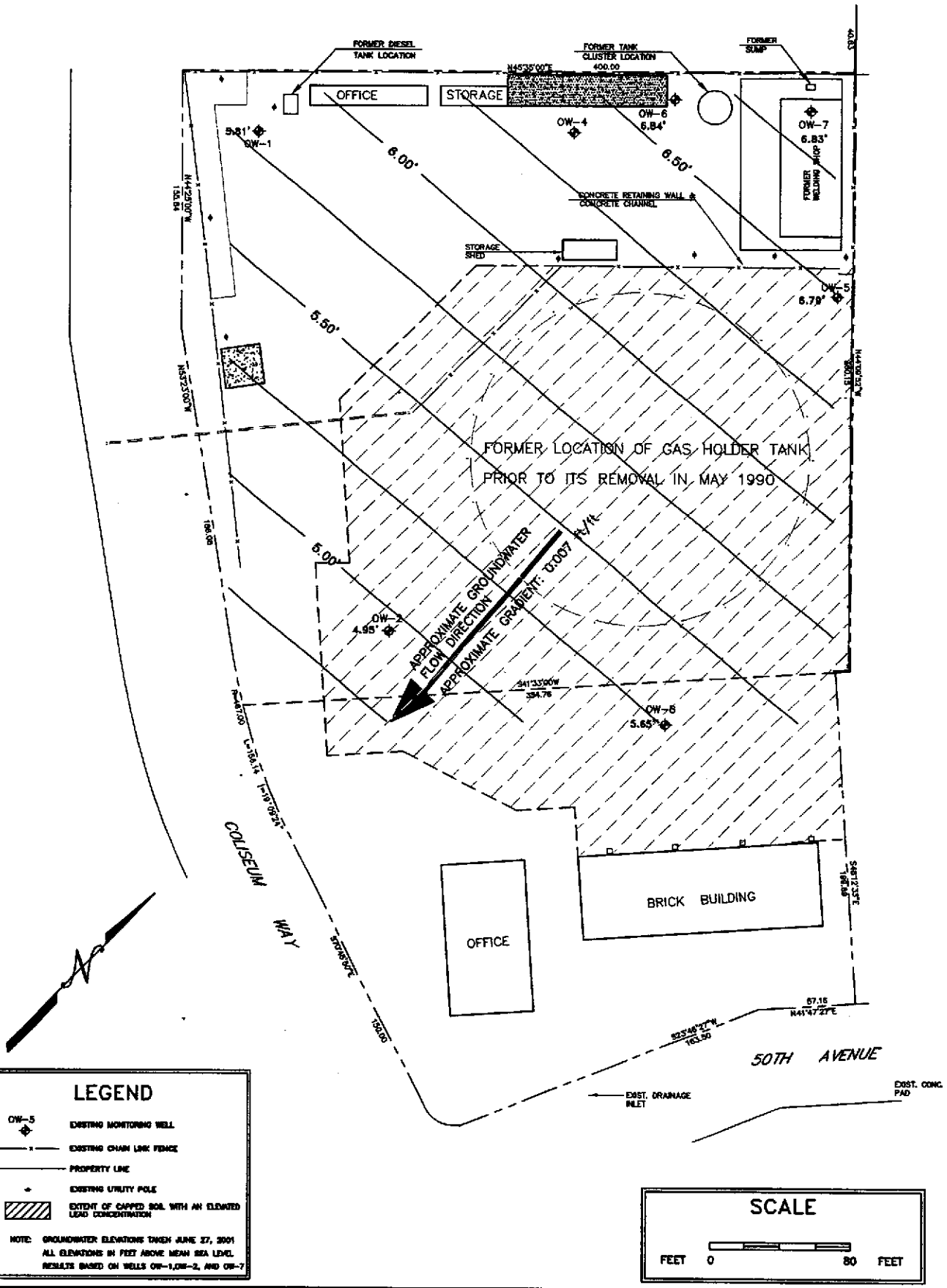
4.0 GROUNDWATER FLOW DIRECTION

Water level measurements in the site monitoring wells were collected on June 27, 2001, prior to groundwater sampling. Groundwater elevations are shown in relation to a site specific coordinate system reported in previous reports. The top of casing (TOC) elevations for each of the wells are based upon an assumed TOC elevation of 10 feet at OW-1.

The groundwater elevations measured on June 27, 2001 and the resulting gradient direction are presented in Figure 4.1. Historical groundwater elevations along with TOC elevations for each well are presented as a graph in Figure 4.2. The groundwater flow direction was calculated from groundwater elevations in OW-1, OW-2, and OW-7, and indicates the local groundwater gradient on this date was 0.007 ft/ft to the south. The gradient value is slightly lower than that normally observed. The lead mitigation cap now limits direct precipitative recharge in the area between wells OW-2 and OW-5, and OW-8. The majority of the remaining site area has also been paved.



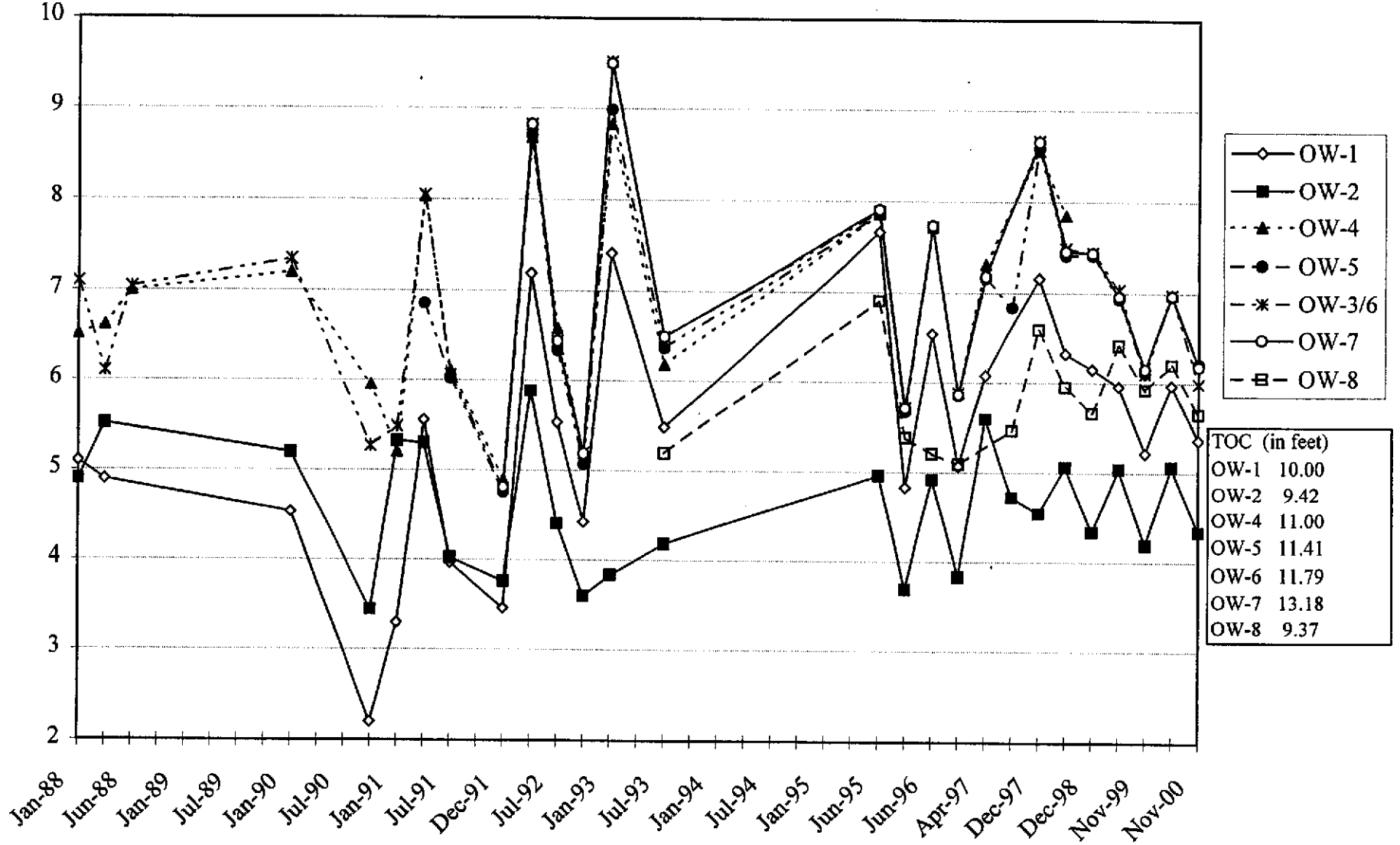
CSS ENVIRONMENTAL SERVICES, INC.

SITE PLAN AND SITE RELATIVE GROUNDWATER ELEVATIONS
PG&E DISTRIBUTION CONSTRUCTION SITE
4930 COLISEUM WAY
OAKLAND, CA 94610

FIGURE 4.1

JOB NUMBER	DATE	DRAWING	BY	REVISED
6118	1/99	GW06-01	ES/ZS/BD	07/01

FIGURE 4.2
HISTORICAL GROUNDWATER LEVELS



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5.0 CAP INSPECTION

The next scheduled cap inspection is during the fourth quarter of 2001.

6.0 CONCLUSIONS AND RECOMMENDATIONS

6.1 CONCLUSIONS

The following conclusions are made based upon the results of analyses performed on groundwater samples collected on June 27, 2001 from monitoring wells OW-1, OW-2, OW-5, OW-6, OW-7 and OW-8, and from prior semi-annual sampling results.

- The groundwater beneath the site appears to flow to the south, consistent with the historical flow direction range of south to southwest. The groundwater gradient of 0.007 ft/ft is slightly lower than that previously observed.

- TPH-D was detected in wells OW-1, OW-5, OW-6 and OW-7 above the reporting limit of 50 µg/L, however the concentrations are at lower concentrations than most historical sampling events. The highest concentration was found in well OW-7 at 1100 µg/L. Moderate TPH-D concentrations in groundwater have persisted in wells located in the northeastern portion of the property. Since remedial action had removed known sources of contaminants within the site, the presence of TPH-D is likely to be caused by upgradient, off-site source. The current applicable guideline for TPH-D where groundwater is a potential source of drinking water is the California Regional Water Quality Control Board, San Francisco Bay Region's (RWQCB's) Risk-Based Screening Level (RBSL) of 100 µg/L, the EPA Suggested No-Adverse-Response Level (SNARL).

- Monitoring wells OW-1, OW-5, and OW-7 had TPH-G concentrations of 480, 79, and 1200 µg/L, respectively. TPH-G was not detected in well OW-6. Well OW-7 continues to have the highest concentration of TPH-G. The presence of TPH-G is likely from an upgradient, off-site source. The current applicable guideline for TPH-G is the RBSL of 100 µg/L, the EPA SNARL for diesel.

- Soluble lead concentrations were not detected in monitoring wells OW-2, OW-5 and OW-8. The MCL for lead in drinking water is 15 µg/L.

- Wells OW-5, OW-6 and OW-7 lie at the upgradient portion of the site and historically have had the highest concentrations of TPH-G and/or VOCs. The total VOC concentration is particularly elevated in OW-7, averaging near 1,000 µg/L. This indicates an upgradient, off-site source of fuel and solvent contamination located north of the subject site. The concentration of total VOCs in two out of the three wells decreased this quarter relative to the previous sampling event.

- The following VOC's were detected above their MCL:

  1,4-Dichlorobenzene (1,4-DCB) in wells OW-6 and OW-7;
  Benzene in well OW-5.

- The following VOCs were detected below their MCL:

  1,1-Dichloroethane in wells OW-5 and OW-6;
  Chlorobenzene in well OW-7;
  1,3-Dichlorobenzene (1,3-DCB) in wells OW-6 and OW-7;
  1,2-Dichlorobenzene (1,2-DCB) in well OW-7;
  Trichloroethylene in well OW-5;
  Total Xylenes in well OW-1.

6.2 RECOMMENDATIONS

- Continue monitoring in conformance with the revised ACHCSA schedule.

- An unidentified upgradient source of TPH-D, TPH-G and VOCs north of the subject property is clearly indicated by the groundwater monitoring data. Based on this finding it is recommended that PG&E enter into discussions with the involved regulatory agencies to investigate and pursue those responsible for the groundwater contaminants entering the PG&E property.

- Perform the annual inspection of the lead containment cap during the fourth quarter of 2001.

APPENDIX A

Sample Collection Records
Certified Laboratory Results

Sheet 1 of 2

Project: PG+E

Subject: FIELD INVESTIGATION DAILY REPORT

Job No.: 6118

Date: 6-27-01

Equipment Rental: _____ Company: _____

To: CSS

Equipment Hours: _____ F.E. Time from: _____ to: _____

By: JS

(outside service and expense record must be attached for any outside costs)

1200 - Arrive @ CSS. Meet w/ Aaron

~~1~~ - Load Truck

1230 - Drive to PG+E (site)

1310 - On-site, V in w/ J.R.

1320 - Open all wells

1350 - Start ∇ level meas.

1415 - Start to purge ≈ 8 gal. from OW-2

1430 - Meas. Cond., Temp. + pH

1435 - Sample OW-2. Pb

1440 - Start to purge ≈ 6.7 gal from OW-8

1455 - Meas. Cond., Temp. + pH.

1500 - Sampled OW-8. Pb

1510 - Start to purge ≈ 6.9 gal. from OW-5

1525 - Meas. Cond., Temp., + pH.

1530 - Sampled OW-5 TPH-g/BTEX; VOC's

1537 - " " . TPH-d; Pb

1550 - Start to purge ≈ 6.6 gal. from OW-1

1605 - Meas. Cond., Temp. + pH

1610 - Sampled OW-1. TPH-g/BTEX

1615 - " " . TPH-d

1625 - Start to purge ≈ 5.9 ga from OW-6

1640 - Meas. Cond., Temp. + pH

1645 - Sampled OW-6. TPH-g/BTEX; VOC's

1653 - " " . TPH-d

1705 - Start to purge 25.6 gal. from OW-7

1720 - Meas. Cond. Temp. + pH

1735 - Sampled OW-7 TPH-g/BTEX; VOC's

1732 - " " . TPH-d

Attachments:

Initial

Sheet 2 of 2

Project: Coliseum Way

Job No.: 6118

Subject: FIELD INVESTIGATION DAILY REPORT

Date: 6-27-01

Equipment Rental: _____ Company: _____

To: CSS

Equipment Hours: _____ F.E. Time from: _____ to: _____

By: JS

(outside service and expense record must be attached for any outside costs)

1740 - Clean up

1800 - Off-site

- Drive to CSS

1840 - Unload Truck

- Finish Paperwork ; C-O-C

1920

Attachments:

Initial

RECORD OF GROUNDWATER LEVEL MEASUREMENTS

Date Measured: 6-27-01 Job No.: 6118

Site Location: PG+E Colusa Way

Well location map attached? Yes X No ____

Method of Measurement: X Electric well sounder,

____Other: _____

Weather/Visibility: Cloudy, Chance of Rain.

Notes: _____

Well I.D.	Time (24 hr)	G.W.L. (1/100 ft)	G.W.L. 3x's?	B.O.W. (1/2ft)	Remarks
OW-1		4.19	4.19	17.97	2"
OW-2		4.47	4.47	21.12	
OW-4					Covered
OW-5		4.62	4.62	18.95	2"
OW-6		4.95	4.95	17.15	2"
OW-7		6.35	6.35	18.10	
OW-8		3.92	4.35	19.75	2"

Measured by (Signature): John L. Lubotsis

rev.2/13/90

WATER QUALITY SAMPLING INFORMATION

Date 6-27-01 Well No.: OW-2 Sampled by: JS
Project: PG&E Colusa Way Project No.: 6118
Sampling method: Discarded

GROUNDWATER

Well diameter (in.) 2"
Well elevation (ft.) _____
Depth to static water (ft.) _____
Water level elevation (ft.) 4.47
Well casing depth (ft.) 21.12
Water volume in well (gals) 2.66
Pump inlet depth (ft.) _____

SURFACE WATER

Stream width (ft.) _____
Stream depth (ft.) _____
Stream velocity (cfs.) _____
Rained recently (?) _____
(2-in. Casing = 0.16 gals/ft.
4-in. Casing = 0.65 gals/ft
6-in. Casing = 1.47 gals/ft

Sketch of well location

Analyses requested: _____
No. & types of sample bottles used: _____ Method of shipment: _____

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY µS/cm	TURBIDITY	REMARKS
1415		0	—	—		—	Start
1420		≈8	72.0	6.53	2410		Clear; No Odor
1435							Sampled OW-2 PB

7.98

WATER QUALITY SAMPLING INFORMATION

Date: 6-27-01 Well No.: OW-8 Sampled by: JS

Project: PG&E Coliseum Way Project No.: 6118

Sampling method: Dis-Bailer

GROUNDWATER

Well diameter (in.) 2"

Well elevation (ft.)

Depth to static water (ft.)

Water level elevation (ft.) 3.92

Well casing depth (ft.) 17.75

Water volume in well (gals) 2.21

Pump inlet depth (ft.)

SURFACE WATER

Stream width (ft.)

Stream depth (ft.)

Stream velocity (cfs.)

Rained recently (?)

2-in. Casing = 0.16 gals/ft.

4-in. Casing = 0.65 gals/ft

6-in. Casing = 1.47 gals/ft

Sketch of well location

Analyses requested:

No. & types of sample bottles used: Method of shipment:

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY µS/cm	TURBIDITY	REMARKS
14:10		0	—	—	—	—	Start
1455		~6.7	68.8	6.58	733		Light Br; Slight (Clorox?) Odor
1500							Sampled OW-8 Pb

6.63

WATER QUALITY SAMPLING INFORMATION

Date: 6-27-01 Well No.: OW-5 Sampled by: JS
Project: PG+E Gleam Way Project No.: 6118
Sampling method: Disp-bailer

GROUNDWATER

Well diameter (in.) ______
Well elevation (ft.) ______
Depth to static water (ft.) ______
Water level elevation (ft.) 4.62
Well casing depth (ft.) 18.95
Water volume in well (gals) 2.29
Pump inlet depth (ft.) ______

SURFACE WATER

Stream width (ft.) ______
Stream depth (ft.) ______
Stream velocity (cfs.) ______
Rained recently (?) ______

2-in. Casing = 0.16 gals/ft.
4-in. Casing = 0.65 gals/ft
6-in. Casing = 1.47 gals/ft

Sketch of well location

Analyses requested: ______
No. & types of sample bottles used: ______ Method of shipment: ______

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY µS/cm	TURBIDITY	REMARKS
1510		0	—	—	—	—	Start
1525			72.3	5.95	549		Lt. Br. - Slight Gas Odor
1530							Sampled OW-5 TPH-g/BTEX; VOCs
1537							Sampled OW-5 TPH-d; Pb

6.27

WATER QUALITY SAMPLING INFORMATION

Date: 6-27-01 Well No.: OW-1 Sampled by: JS
Project: Plot E, Coliseum Way Project No.: 6115
Sampling method: Bailer

GROUNDWATER

Well diameter (in.) _____
Well elevation (ft.) _____
Depth to static water (ft.) _____
Water level elevation (ft.) 4.17
Well casing depth (ft.) 17.97
Water volume in well (gals) 2.20
Pump inlet depth (ft.) _____

SURFACE WATER

Stream width (ft.) _____
Stream depth (ft.) _____
Stream velocity (cfs.) _____
Rained recently (?) _____

2-in. Casing = 0.16 gals/ft.
4-in. Casing = 0.65 gals/ft
6-in. Casing = 1.47 gals/ft

Sketch of well location

Analyses requested: _____
No. & types of sample bottles used: _____ Method of shipment: _____

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY µS/cm	TURBIDITY	REMARKS
1550		0	—	—	—	—	Start
1605		≈ 6.6	72.3	6.10	904		Clear; Slight
							Gas Odor
							Sampled OW-1
1610							TPH-D
							Sampled OW-
1615							TPH-D

6.6

WATER QUALITY SAMPLING INFORMATION

Date: 6-27-01 Well No.: OW-6 Sampled by: JS
Project: PG&E Coliseum Way Project No.: 6118
Sampling method: Dic-Bailer

GROUNDWATER

Well diameter (in.) _____
Well elevation (ft.) _____
Depth to static water (ft.) _____
Water level elevation (ft.) 4.95
Well casing depth (ft.) 17.15
Water volume in well (gals) 1.95
Pump inlet depth (ft.) _____

SURFACE WATER

Stream width (ft.) _____
Stream depth (ft.) _____
Stream velocity (cfs.) _____
Raised recently (?) _____
2-in. Casing = 0.16 gal/ft.
4-in. Casing = 0.65 gal/ft
6-in. Casing = 1.47 gal/ft

Sketch of well location

Analyses requested: _____
No. & types of sample bottles used: _____ Method of shipment: _____

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY	TURBIDITY	REMARKS
1625		0					Start
1640		5.9	70.0	7.14	949		Grey, Slight Gas Odor
							Sampled OW-6
1645							TPH-g/BTEX/VOC's
							Sampled OW-6
1650							TPH-d
		5.85					

WATER QUALITY SAMPLING INFORMATION

Date: 6-27-01 Well No.: OW-7 Sampled by: JS
Project: PG&E Coliseum Way Project No.: 6118
Sampling method: Dis-bailer

GROUNDWATER

Well diameter (in.) ____
Well elevation (ft.) ____
Depth to static water (ft.) ____
Water level elevation (ft.) 6.35
Well casing depth (ft.) 18.10
Water volume in well (gals) 1.88
Pump inlet depth (ft.) ____

SURFACE WATER

Stream width (ft.) ____
Stream depth (ft.) ____
Stream velocity (cfs.) ____
Rained recently (?) ____

2-in. Casing = 0.16 gals/ft.
4-in. Casing = 0.65 gals/ft
6-in. Casing = 1.47 gals/ft

Sketch of well location

Analyses requested: ____
No. & types of sample bottles used: ____ Method of shipment: ____

TIME	DEPTH TO WATER (ft.)	VOLUME WITHDRAWN (GALS.)	TEMP (deg. F)	pH	CONDUCTIVITY uS/cm	TURBIDITY	REMARKS
1705							
1720			67.3	6.65	826		Clear; No Odor
1725							Sampled OW-7 TPH-g/BTEX; VOCs
1732							Sampled OW-7 TPH-d

5.64

CSS Environmental Services
95 Belvedere Street, Suite 2
San Rafael, CA 94901

Attn.: Mr. Aaron Stessman

Project: 6118
Coliseum Way GW Monitoring

Dear Mr. Stessman,

Attached is our report for your samples received on Friday June 29, 2001
This report has been reviewed and approved for release. Reproduction of this report is permitted only in its entirety.

Please note that any unused portion of the samples will be discarded after August 13, 2001 unless you have requested otherwise. We appreciate the opportunity to be of service to you.
If you have any questions, please call me at (925) 484-1919. You can also contact me via email.
My email address is: gcook@chromalab.com

Sincerely,

Gary Cook

Gary Cook

Diesel

CSS Environmental Services
95 Belvedere Street, Suite 2
San Rafael, CA 94901
Attn: Aaron Stessman
Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118
Project: Coliseum Way GW Monitoring

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	06/27/2001 16:10	1
OW-5	Water	06/27/2001 15:30	3
OW-6	Water	06/27/2001 16:45	4
OW-7	Water	06/27/2001 17:25	5

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Diesel

Sample ID:	**OW-1**	Lab Sample ID:	**2001-06-0564-001**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/02/2001 13:55
Sampled:	06/27/2001 16:10	QC-Batch:	2001/07/02-04.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	740	50	ug/L	1.00	07/03/2001 08:59	ndp
Surrogate(s)						
o-Terphenyl	93.7	60-130	%	1.00	07/03/2001 08:59	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Diesel

Sample ID: **OW-5**
Project: 6118
Coliseum Way GW Monitoring
Sampled: 06/27/2001 15:30
Matrix: Water

Lab Sample ID: **2001-06-0564-003**
Received: 06/29/2001 14:25
Extracted: 07/02/2001 13:55
QC-Batch: 2001/07/02-04.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	540	50	ug/L	1.00	07/03/2001 11:30	ndp
Surrogate(s)						
o-Terphenyl	92.4	60-130	%	1.00	07/03/2001 11:30	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Diesel

Sample ID:	**OW-6**	Lab Sample ID:	**2001-06-0564-004**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/02/2001 13:55
Sampled:	06/27/2001 16:45	QC-Batch:	2001/07/02-04.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	320	50	ug/L	1.00	07/03/2001 10:23	ndp
Surrogate(s)						
o-Terphenyl	88.7	60-130	%	1.00	07/03/2001 10:23	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Diesel

Sample ID:	**OW-7**	Lab Sample ID:	**2001-06-0564-005**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/02/2001 13:55
Sampled:	06/27/2001 17:25	QC-Batch:	2001/07/02-04.10
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	1100	50	ug/L	1.00	07/03/2001 11:12	ndp
Surrogate(s)						
o-Terphenyl	83.2	60-130	%	1.00	07/03/2001 11:12	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report
Diesel

Method Blank | **Water** | **QC Batch # 2001/07/02-04.10**

MB: 2001/07/02-04.10-001 | Date Extracted: 07/02/2001 13:55

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	07/03/2001 08:21	
Surrogate(s)					
o-Terphenyl	90.0	60-130	%	07/03/2001 08:21	

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Batch QC Report

Diesel

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/07/02-04.10**

LCS: 2001/07/02-04.10-002 Extracted: 07/02/2001 13:55 Analyzed 07/03/2001 07:05
LCSD: 2001/07/02-04.10-003 Extracted: 07/02/2001 13:55 Analyzed 07/03/2001 07:43

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Diesel	973	930	1250	1250	77.8	74.4	4.5	60-130	25		
Surrogate(s)											
o-Terphenyl	18.7	18.1	20.0	20.0	93.5	90.5		60-130			

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8015M
Prep Method: 3510/8015M

Legend & Notes

Diesel

Analyte Flags

ndp

Hydrocarbon reported does not match the pattern of our Diesel standard

Soluble Metals

CSS Environmental Services
95 Belvedere Street, Suite 2
San Rafael, CA 94901
Attn: Aaron Stessman
Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118
Project: Coliseum Way GW Monitoring

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-2	Water	06/27/2001 14:35	2
OW-5	Water	06/27/2001 15:30	3
OW-8	Water	06/27/2001 15:00	6

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**OW-2**	Lab Sample ID:	**2001-06-0564-002**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/03/2001 07:00
Sampled:	06/27/2001 14:35	QC-Batch:	2001/07/03-03.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2001 16:52	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID: **OW-5**
Project: 6118
Coliseum Way GW Monitoring
Sampled: 06/27/2001 15:30
Matrix: Water

Lab Sample ID: **2001-06-0564-003**
Received: 06/29/2001 14:25
Extracted: 07/03/2001 07:00
QC-Batch: 2001/07/03-03.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2001 16:56	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 6010B
Prep Method: 3005A

Soluble Metals

Sample ID:	**OW-8**	Lab Sample ID:	**2001-06-0564-006**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/03/2001 07:00
Sampled:	06/27/2001 15:00	QC-Batch:	2001/07/03-03.15
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2001 17:00	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 6010B
Prep Method: 3005A

Batch QC Report
Soluble Metals

Method Blank **Water** **QC Batch # 2001/07/03-03.15**

MB: 2001/07/03-03.15-018 Date Extracted: 07/03/2001 07:00

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.0050	mg/L	07/03/2001 16:06	

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 6010B
Prep Method: 3005A

Batch QC Report

Soluble Metals

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/07/03-03.15**

LCS: 2001/07/03-03.15-019 Extracted: 07/03/2001 07:00 Analyzed 07/03/2001 16:10
LCSD: 2001/07/03-03.15-020 Extracted: 07/03/2001 07:00 Analyzed 07/03/2001 16:15

Compound	Conc. [mg/L]		Exp.Conc. [mg/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Lead	0.484	0.483	0.500	0.500	96.8	96.6	0.2	80-120	20		

Gas/BTEX

CSS Environmental Services

Attn: Aaron Stessman

Project #: 6118

95 Belvedere Street, Suite 2
San Rafael, CA 94901

Phone: (415) 457-9551 Fax: (415) 457-9261

Project: Coliseum Way GW Monitoring

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	06/27/2001 16:10	1
OW-5	Water	06/27/2001 15:30	3
OW-6	Water	06/27/2001 16:45	4
OW-7	Water	06/27/2001 17:25	5

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-1**	Lab Sample ID:	**2001-06-0564-001**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	06/29/2001 21:54
Sampled:	06/27/2001 16:10	QC-Batch:	2001/06/29-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	480	50	ug/L	1.00	06/29/2001 21:54	g
Benzene	ND	0.50	ug/L	1.00	06/29/2001 21:54	
Toluene	ND	0.50	ug/L	1.00	06/29/2001 21:54	
Ethyl benzene	ND	0.50	ug/L	1.00	06/29/2001 21:54	
Xylene(s)	3.4	0.50	ug/L	1.00	06/29/2001 21:54	
Surrogate(s)						
Trifluorotoluene	66.7	58-124	%	1.00	06/29/2001 21:54	
4-Bromofluorobenzene-FID	54.1	50-150	%	1.00	06/29/2001 21:54	

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-5**	Lab Sample ID:	**2001-06-0564-003**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	06/29/2001 22:27
Sampled:	06/27/2001 15:30	QC-Batch:	2001/06/29-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	79	50	ug/L	1.00	06/29/2001 22:27	g
Benzene	7.7	0.50	ug/L	1.00	06/29/2001 22:27	
Toluene	ND	0.50	ug/L	1.00	06/29/2001 22:27	
Ethyl benzene	ND	0.50	ug/L	1.00	06/29/2001 22:27	
Xylene(s)	ND	0.50	ug/L	1.00	06/29/2001 22:27	
Surrogate(s)						
Trifluorotoluene	83.0	58-124	%	1.00	06/29/2001 22:27	
4-Bromofluorobenzene-FID	69.6	50-150	%	1.00	06/29/2001 22:27	

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-6**	Lab Sample ID:	**2001-06-0564-004**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	06/29/2001 23:00
Sampled:	06/27/2001 16:45	QC-Batch:	2001/06/29-01.01
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	06/29/2001 23:00	
Benzene	ND	0.50	ug/L	1.00	06/29/2001 23:00	
Toluene	ND	0.50	ug/L	1.00	06/29/2001 23:00	
Ethyl benzene	ND	0.50	ug/L	1.00	06/29/2001 23:00	
Xylene(s)	ND	0.50	ug/L	1.00	06/29/2001 23:00	
Surrogate(s)						
Trifluorotoluene	72.6	58-124	%	1.00	06/29/2001 23:00	
4-Bromofluorobenzene-FID	61.8	50-150	%	1.00	06/29/2001 23:00	

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8020
8015M

Prep Method: 5030

Gas/BTEX

Sample ID:	**OW-7**	Lab Sample ID:	**2001-06-0564-005**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	06/29/2001 16:45
Sampled:	06/27/2001 17:25	QC-Batch:	2001/06/29-01.05
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	1200	50	ug/L	1.00	06/29/2001 16:45	g
Benzene	ND	0.50	ug/L	1.00	06/29/2001 16:45	
Toluene	ND	0.50	ug/L	1.00	06/29/2001 16:45	
Ethyl benzene	ND	0.50	ug/L	1.00	06/29/2001 16:45	
Xylene(s)	ND	0.50	ug/L	1.00	06/29/2001 16:45	
Surrogate(s)						
Trifluorotoluene	77.8	58-124	%	1.00	06/29/2001 16:45	
4-Bromofluorobenzene-FID	84.5	50-150	%	1.00	06/29/2001 16:45	

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/06/29-01.01**

MB: 2001/06/29-01.01-009

Date Extracted: 06/29/2001 12:16

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	06/29/2001 12:16	
Benzene	ND	0.5	ug/L	06/29/2001 12:16	
Toluene	ND	0.5	ug/L	06/29/2001 12:16	
Ethyl benzene	ND	0.5	ug/L	06/29/2001 12:16	
Xylene(s)	ND	0.5	ug/L	06/29/2001 12:16	
Surrogate(s)					
Trifluorotoluene	97.3	58-124	%	06/29/2001 12:16	
4-Bromofluorobenzene-FID	82.1	50-150	%	06/29/2001 12:16	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8015M
8020
Prep Method: 5030

Batch QC Report
Gas/BTEX

Method Blank | **Water** | **QC Batch # 2001/06/29-01.05**

MB: 2001/06/29-01.05-006 | Date Extracted: 06/29/2001 11:48

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	06/29/2001 11:48	
Benzene	ND	0.5	ug/L	06/29/2001 11:48	
Toluene	ND	0.5	ug/L	06/29/2001 11:48	
Ethyl benzene	ND	0.5	ug/L	06/29/2001 11:48	
Xylene(s)	ND	0.5	ug/L	06/29/2001 11:48	
Surrogate(s)					
Trifluorotoluene	90.5	58-124	%	06/29/2001 11:48	
4-Bromofluorobenzene-FID	66.0	50-150	%	06/29/2001 11:48	

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/06/29-01.01**

LCS: 2001/06/29-01.01-005 Extracted: 06/29/2001 10:05 Analyzed 06/29/2001 10:05
LCSD: 2001/06/29-01.01-006 Extracted: 06/29/2001 10:38 Analyzed 06/29/2001 10:38

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	103	95.1	100.0	100.0	103.0	95.1	8.0	77-123	20		
Toluene	106	96.5	100.0	100.0	106.0	96.5	9.4	78-122	20		
Ethyl benzene	104	95.6	100.0	100.0	104.0	95.6	8.4	70-130	20		
Xylene(s)	303	281	300	300	101.0	93.7	7.5	75-125	20		
Surrogate(s)											
Trifluorotoluene	524	463	500	500	104.8	92.6		58-124			

To: **CSS Environmental Services**

Attn: Aaron Stessman

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/06/29-01.01**

LCS: 2001/06/29-01.01-007 Extracted: 06/29/2001 11:11 Analyzed 06/29/2001 11:11

LCSD: 2001/06/29-01.01-008 Extracted: 06/29/2001 11:43 Analyzed 06/29/2001 11:43

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	498	414	500	500	99.6	82.8	18.4	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	415	355	500	500	83.0	71.0		50-150			

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8020
Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/06/29-01.05**

LCS: 2001/06/29-01.05-007 Extracted: 06/29/2001 12:21 Analyzed 06/29/2001 12:21
LCSD: 2001/06/29-01.05-008 Extracted: 06/29/2001 12:53 Analyzed 06/29/2001 12:53

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Benzene	86.2	91.4	100.0	100.0	86.2	91.4	5.9	77-123	20		
Toluene	85.3	89.2	100.0	100.0	85.3	89.2	4.5	78-122	20		
Ethyl benzene	83.0	87.1	100.0	100.0	83.0	87.1	4.8	70-130	20		
Xylene(s)	249	264	300	300	83.0	88.0	5.8	75-125	20		
Surrogate(s)											
Trifluorotoluene	465	480	500	500	93.0	96.0		58-124			

To: **CSS Environmental Services**

Attn: Aaron Stessman

Test Method: 8015M
8020

Prep Method: 5030

Batch QC Report

Gas/BTEX

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/06/29-01.05**

LCS: 2001/06/29-01.05-009 Extracted: 06/29/2001 13:26 Analyzed 06/29/2001 13:26

LCSD: 2001/06/29-01.05-010 Extracted: 06/29/2001 13:58 Analyzed 06/29/2001 13:58

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
Gasoline	460	512	500	500	92.0	102.4	10.7	75-125	20		
Surrogate(s)											
4-Bromofluorobenzene-FI	403	448	500	500	80.6	89.6		50-150			

To: **CSS Environmental Services**

Attn: Aaron Stessman

Test Method: 8015M
8020

Prep Method: 5030

Legend & Notes

Gas/BTEX

Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline standard.

Halogenated Volatile Organic Compounds

CSS Environmental Services
95 Belvedere Street, Suite 2
San Rafael, CA 94901
Attn: Aaron Stessman
Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118
Project: Coliseum Way GW Monitoring

Samples Reported

Sample ID	Matrix	Date Sampled	Lab #
OW-5	Water	06/27/2001 15:30	3
OW-6	Water	06/27/2001 16:45	4
OW-7	Water	06/27/2001 17:25	5

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**OW-5**	Lab Sample ID:	**2001-06-0564-003**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/07/2001 04:08
Sampled:	06/27/2001 15:30	QC-Batch:	2001/07/06-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	07/07/2001 04:08	
Vinyl chloride	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Chloroethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Methylene chloride	ND	5.0	ug/L	1.00	07/07/2001 04:08	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,1-Dichloroethane	1.4	0.50	ug/L	1.00	07/07/2001 04:08	
Chloroform	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Trichloroethene	0.70	0.50	ug/L	1.00	07/07/2001 04:08	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	07/07/2001 04:08	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Chlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Bromoform	ND	2.0	ug/L	1.00	07/07/2001 04:08	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 04:08	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	07/07/2001 04:08	
Chloromethane	ND	1.0	ug/L	1.00	07/07/2001 04:08	
Bromomethane	ND	1.0	ug/L	1.00	07/07/2001 04:08	
Surrogate(s)						
1-Chloro-2-fluorobenzene	68.3	50-150	%	1.00	07/07/2001 04:08	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID:	**OW-6**	Lab Sample ID:	**2001-06-0564-004**
Project:	6118 Coliseum Way GW Monitoring	Received:	06/29/2001 14:25
		Extracted:	07/07/2001 05:02
Sampled:	06/27/2001 16:45	QC-Batch:	2001/07/06-01.25
Matrix:	Water		

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	07/07/2001 05:02	
Vinyl chloride	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Chloroethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Methylene chloride	ND	5.0	ug/L	1.00	07/07/2001 05:02	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,1-Dichloroethane	1.2	0.50	ug/L	1.00	07/07/2001 05:02	
Chloroform	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Trichloroethene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	07/07/2001 05:02	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Chlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Bromoform	ND	2.0	ug/L	1.00	07/07/2001 05:02	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/07/2001 05:02	
1,3-Dichlorobenzene	1.4	0.50	ug/L	1.00	07/07/2001 05:02	
1,4-Dichlorobenzene	6.1	0.50	ug/L	1.00	07/07/2001 05:02	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2001 05:02	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	07/07/2001 05:02	
Chloromethane	ND	1.0	ug/L	1.00	07/07/2001 05:02	
Bromomethane	ND	1.0	ug/L	1.00	07/07/2001 05:02	
Surrogate(s)						
1-Chloro-2-fluorobenzene	76.2	50-150	%	1.00	07/07/2001 05:02	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Halogenated Volatile Organic Compounds

Sample ID: **OW-7**
Project: 6118 Coliseum Way GW Monitoring
Sampled: 06/27/2001 17:25
Matrix: Water

Lab Sample ID: **2001-06-0564-005**
Received: 06/29/2001 14:25
Extracted: 07/07/2001 04:48
QC-Batch: 2001/07/06-01.26

Sample/Analysis Flag o (See Legend & Note section)

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	07/07/2001 04:48	
Vinyl chloride	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Chloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Methylene chloride	ND	50	ug/L	10.00	07/07/2001 04:48	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Chloroform	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Carbon tetrachloride	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,2-Dichloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Trichloroethene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Bromodichloromethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	07/07/2001 04:48	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Tetrachloroethene	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Dibromochloromethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
Chlorobenzene	27	5.0	ug/L	10.00	07/07/2001 04:48	
Bromoform	ND	20	ug/L	10.00	07/07/2001 04:48	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	07/07/2001 04:48	
1,3-Dichlorobenzene	320	5.0	ug/L	10.00	07/07/2001 04:48	
1,4-Dichlorobenzene	510	5.0	ug/L	10.00	07/07/2001 04:48	
1,2-Dichlorobenzene	42	5.0	ug/L	10.00	07/07/2001 04:48	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	07/07/2001 04:48	
Chloromethane	ND	10	ug/L	10.00	07/07/2001 04:48	
Bromomethane	ND	10	ug/L	10.00	07/07/2001 04:48	
Surrogate(s)						
1-Chloro-2-fluorobenzene	87.0	50-150	%	10.00	07/07/2001 04:48	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank **Water** **QC Batch # 2001/07/06-01.26**

MB: 2001/07/06-01.26-003 Date Extracted: 07/06/2001 08:49

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	07/06/2001 08:49	
Vinyl chloride	ND	0.5	ug/L	07/06/2001 08:49	
Chloroethane	ND	0.5	ug/L	07/06/2001 08:49	
Trichlorofluoromethane	ND	0.5	ug/L	07/06/2001 08:49	
1,1-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:49	
Methylene chloride	ND	5.0	ug/L	07/06/2001 08:49	
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:49	
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:49	
1,1-Dichloroethane	ND	0.5	ug/L	07/06/2001 08:49	
Chloroform	ND	0.5	ug/L	07/06/2001 08:49	
1,1,1-Trichloroethane	ND	0.5	ug/L	07/06/2001 08:49	
Carbon tetrachloride	ND	0.5	ug/L	07/06/2001 08:49	
1,2-Dichloroethane	ND	0.5	ug/L	07/06/2001 08:49	
Trichloroethene	ND	0.5	ug/L	07/06/2001 08:49	
1,2-Dichloropropane	ND	0.5	ug/L	07/06/2001 08:49	
Bromodichloromethane	ND	0.5	ug/L	07/06/2001 08:49	
2-Chloroethylvinyl ether	ND	0.5	ug/L	07/06/2001 08:49	
trans-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2001 08:49	
cis-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2001 08:49	
1,1,2-Trichloroethane	ND	0.5	ug/L	07/06/2001 08:49	
Tetrachloroethene	ND	0.5	ug/L	07/06/2001 08:49	
Dibromochloromethane	ND	0.5	ug/L	07/06/2001 08:49	
Chlorobenzene	ND	0.5	ug/L	07/06/2001 08:49	
Bromoform	ND	2.0	ug/L	07/06/2001 08:49	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	07/06/2001 08:49	
1,3-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:49	
1,4-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:49	
1,2-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:49	
Trichlorotrifluoroethane	ND	2.0	ug/L	07/06/2001 08:49	
Chloromethane	ND	1.0	ug/L	07/06/2001 08:49	
Bromomethane	ND	1.0	ug/L	07/06/2001 08:49	
Surrogate(s)					
1-Chloro-2-fluorobenzene	80.5	50-150	%	07/06/2001 08:49	

To: **CSS Environmental Services**
Attn.: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Batch QC Report
Halogenated Volatile Organic Compounds

Method Blank | **Water** | **QC Batch # 2001/07/06-01.25**

MB: 2001/07/06-01.25-003 | Date Extracted: 07/06/2001 08:27

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	07/06/2001 08:27	
Vinyl chloride	ND	0.5	ug/L	07/06/2001 08:27	
Chloroethane	ND	0.5	ug/L	07/06/2001 08:27	
Trichlorofluoromethane	ND	0.5	ug/L	07/06/2001 08:27	
1,1-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:27	
Methylene chloride	ND	5.0	ug/L	07/06/2001 08:27	
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:27	
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2001 08:27	
1,1-Dichloroethane	ND	0.5	ug/L	07/06/2001 08:27	
Chloroform	ND	0.5	ug/L	07/06/2001 08:27	
1,1,1-Trichloroethane	ND	0.5	ug/L	07/06/2001 08:27	
Carbon tetrachloride	ND	0.5	ug/L	07/06/2001 08:27	
1,2-Dichloroethane	ND	0.5	ug/L	07/06/2001 08:27	
Trichloroethene	ND	0.5	ug/L	07/06/2001 08:27	
1,2-Dichloropropane	ND	0.5	ug/L	07/06/2001 08:27	
Bromodichloromethane	ND	0.5	ug/L	07/06/2001 08:27	
2-Chloroethylvinyl ether	ND	0.5	ug/L	07/06/2001 08:27	
trans-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2001 08:27	
cis-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2001 08:27	
1,1,2-Trichloroethane	ND	0.5	ug/L	07/06/2001 08:27	
Tetrachloroethene	ND	0.5	ug/L	07/06/2001 08:27	
Dibromochloromethane	ND	0.5	ug/L	07/06/2001 08:27	
Chlorobenzene	ND	0.5	ug/L	07/06/2001 08:27	
Bromoform	ND	2.0	ug/L	07/06/2001 08:27	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	07/06/2001 08:27	
1,3-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:27	
1,4-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:27	
1,2-Dichlorobenzene	ND	0.5	ug/L	07/06/2001 08:27	
Trichlorotrifluoroethane	ND	2.0	ug/L	07/06/2001 08:27	
Chloromethane	ND	1.0	ug/L	07/06/2001 08:27	
Bromomethane	ND	1.0	ug/L	07/06/2001 08:27	
Surrogate(s)					
1-Chloro-2-fluorobenzene	74.0	50-150	%	07/06/2001 08:27	

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/07/06-01.26**

LCS: 2001/07/06-01.26-006 Extracted: 07/06/2001 11:09 Analyzed 07/06/2001 11:09
LCSD: 2001/07/06-01.26-007 Extracted: 07/06/2001 13:02 Analyzed 07/06/2001 13:02

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	13.4	13.3	20.0	20.0	67.0	66.5	0.7	50-140	20		
Trichloroethene	13.6	13.9	20.0	20.0	68.0	69.5	2.2	50-150	20		
Chlorobenzene	16.7	17.6	20.0	20.0	83.5	88.0	5.2	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	21.5	22.5	20	20	107.5	112.5		50-150			

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Batch QC Report

Halogenated Volatile Organic Compounds

Laboratory Control Spike (LCS/LCSD) **Water** **QC Batch # 2001/07/06-01.25**

LCS: 2001/07/06-01.25-004 Extracted: 07/06/2001 09:14 Analyzed 07/06/2001 09:14
LCSD: 2001/07/06-01.25-005 Extracted: 07/06/2001 10:00 Analyzed 07/06/2001 10:00

Compound	Conc. [ug/L]		Exp.Conc. [ug/L]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD	[%]	Recovery	RPD	LCS	LCSD
1,1-Dichloroethene	18.7	19.5	20.0	20.0	93.5	97.5	4.2	50-140	20		
Trichloroethene	19.7	20.3	20.0	20.0	98.5	101.5	3.0	50-150	20		
Chlorobenzene	20.0	20.2	20.0	20.0	100.0	101.0	1.0	50-150	20		
Surrogate(s)											
1-Chloro-2-fluorobenzene	22.0	21.8	20	20	110.0	109.0		50-150			

To: **CSS Environmental Services**
Attn: Aaron Stessman

Test Method: 8010
Prep Method: 5030

Legend & Notes

Halogenated Volatile Organic Compounds

Analysis Flags

o

Reporting limits were raised due to high level of analyte present in the sample.

SEVERN TRENT SERVICES

STL ChromaLab

Chain of Custody

1220 Quarry Lane ● Pleasanton CA 94566-4756
Phone: (925) 484-1919 ● Fax: (925) 484-1096
Email: info@chromalab.com

Reference #: _____

Date 6-27-01 Page 1 of 1

From

Proj.Mgr	Aaron Stevenson
Company	CSS Environmental
Address	95 Belvedere St., Suite 2 San Rafael, CA 94901
Sampler (Signature)	Julie L. Sibilio/Julie L. Sibilio
Phone	(415) 457-9551
Fax/Email	(415) 457-9261

Analysis Request

Sample ID	Date	Time	Matrix	Preserv.	TPH (EPA 8015, 8020/8021) ☒ Gas w/ ☒ BTEX ☐ MTBE	Purgeable Aromatics BTEX (EPA 8020/8021)	TEPH (EPA 8015M) ☐ Silica Gel ☒ Diesel ☐ Motor Oil ☐ Other	Fuel Oxygenates (8260B): ☐ DCA, EDB ☐ Full Oxygenate List ☐ MTBE ☐ BTEX	Purgeable Halocarbons (HVOCs) (EPA 8010/8021)	Volatile Organics GC/MS (VOCs) (EPA 8260A/8260B)	Semivolatiles GC/MS (EPA 8270)	Oil and Grease ☐ Petroleum (EPA 1664) ☐ Total	Pesticides (EPA 8081) ☐ PCBs (EPA 8082)	PNAs by ☐ 8270 ☐ 8310	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☒ Lead ☐ LUFT ☐ RCRA ☐ Other:	W.E.T (STLC) ☐ TCLP	Hexavalent Chromium pH (24h hold time for H_2O)	Spec Cond. ☐ Alkalinity ☐ TSS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4					
OW-1	6-27-01	1610	W	Y	X																				
OW-1		1615		N			X																		
OW-2		1435		N																					
OW-5		1530		Y	X				X							X								
OW-5		1557		N			X																		
OW-6		1645		Y	X				X							X								
OW-6		1653		N			X																		
OW-7		1725		Y	X				X																
OW-7		1732		N			X																		
OW-8	↓	1500	↓	N												X									

Project Info.

Project Name: Coliseum Way GW Monitoring
Project#: 6118
PO#:
Credit Card#:

TAT: Std 5 Day | 72h | 48h | 24h

Report: ☐ Routine ☐ Level 2 ☐ Level 3 ☐ Level 4 ☐ EDD

Special Instructions / Comments:

*Filter Pb Sample prior to analysis

Please See Attached Price Sheet

Sample Receipt

of Containers:
Head Space:
Temp:
Conforms to record:
Other

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: [signature]	Signature:	Signature:
Time: 12:50	Time:	Time:
Printed Name:	Printed Name:	Printed Name:
Date: 4/29/01	Date:	Date:
Company:	Company:	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: [signature]	Signature:	Signature:
Time: 12:50	Time:	Time:
Printed Name:	Printed Name:	Printed Name:
Date: 4/29/01	Date:	Date:
Company:	Company:	Company:

APPENDIX B

Historical Monitoring Data

Historical Groundwater Analytical Data

Well ID	MCL	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1	OW-1
Date	ug/L	Apr-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01
PURGEABLE HALOCARBONS																																
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	5	4	4	2	2	1	2.6	4.6	ND	ND	ND	1	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	1	4	4	1	3	1.8	2.9	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600#	NA	NA	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	4	11	5	13	11	6	3	6.7	14	3.2	ND	4	3	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																																
Benzene	1	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	0.66	ND	0.5	0.55	ND	ND	ND	ND
Toluene	1000#	ND	ND	2.3	0.4	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	ND	0.67	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	0.8	NA	ND	NA	ND	ND	NA	ND	ND	ND	ND	2.3	ND	0.76	ND	ND	ND	ND	ND
Total Xylenes	1750**	ND	2.6	2.4	ND	ND	ND	ND	ND	ND	ND	3.2	9	1.7	1.8	NA	ND	NA	2.5	ND	NA	ND	ND	ND	ND	1.1	ND	0.67	ND	0.59	ND	ND	3.4
TOTAL VOCs		4	16	18.1	23.8	17	9	7	13.41	21.5	3.2	3.2	15.7	5.7	8.5	NA	NA	NA	2.5	NA	NA	NA	NA	NA	NA	4.06	0.67	1.93	0.55	0.59	NA	NA	3.4
HYDROCARBONS																																
TVH-g		NA	NA	< 50	82	< 50	< 50	< 500	NA	NA	NA	100	320	< 50	70	NA	NA	NA	80	60	400	230	500	830	590	420	860	850	1100	990	860	620	480
TEPH-d		< 1000	< 1000	190	300	200	200	90	< 200	< 50	1600	3100	3900	1000	2000	NA	2300	NA	1000	1500	740	1000	2300	1400	1500	700	1900	1600	1800	940	350	250	740
O&G		< 5000	16000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																																
Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

Well ID	MCL	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2	OW-2
Date	ug/L	Apr-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00
PURGEABLE HALOCARBONS																																	
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	6	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	1200	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene		NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	600#	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	5	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																																	
Benzene	1	ND	ND	0.4	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1000#	ND	ND	0.4	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	1750**		ND	0.4	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs		NA	NA	1.2	1.4	NA	NA	NA	0.53	NA	NA	1.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS																																	
TVH-g		NA	NA	< 50	< 50	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEPH-d		< 1000	< 1000	130	140	68	80	< 60	< 200	< 50	650	670	410	410	620	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O&G		16000	16000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																																	
Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	8	ND	4.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

OW-2	Well ID	MCL	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4
Jun-01	Date	ug/L	Jun-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jul-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01
	PURGEABLE HALOCARBONS																																	
NA	Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	3	6.1	9.4	ND	7	4	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	cis-1,2-Dichloroethene	6	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Freon 113	1200	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	0.49	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	PURGEABLE AROMATICS																																	
NA	Benzene	1	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
NA	Toluene	1000#	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
NA	Ethylbenzene	680	ND	ND	ND	0.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
NA	Total Xylenes	1750**	ND	ND	0.8	2	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
NA	TOTAL VOCs		NA	NA	0.8	3.4	NA	NA	3	6.59	9.4	NA	7.7	4	4	3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	HYDROCARBONS																																	
NA	TVH-g		NA	NA	<50	<50	<50	<50	<50	NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
NA	TEPH-d		< 1000	< 1000	150	210	150	150	<50	580	< 50	2000	2100	820	1300	2100	NA	1500	NA	NA	NA	1600	630	1100	840	980	NA	1000	NA	NA	NA	NA	NA	NA
NA	O&G		< 5000	< 5000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NA	TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	METALS																																	
ND	Lead	0	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	5	ND	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
2) # = EPA MCL
3) * = MCL for sum of four compounds
4) ** = MCL for sum of all xylene isomers
5) *** = MCL for sum of trans- and cis-1,3-Dichloropropene
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

Well ID	MCL	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5
Date	ug/L	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01
PURGEABLE HALOCARBONS																										
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	-	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	1.8	7.2	ND	4	6	13	5	6	NA	2	NA	4	3.2	7.9	2.5	6.9	5.3	2.9	1	2.5	3	2.5	2.2	2.6	1.4
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	8	26	18	12	25	28	7	7	NA	2	NA	3	1.3	2.1	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	0.75	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	0.7	0.8	0.9	ND	0.55	0.7
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND
Tetrachloroethene	5	0.7	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.0	ND
PURGEABLE AROMATICS																										
Benzene	1	14	20	11	15	11	13	26	14	NA	21	NA	11		11	15	18	3.8	15	ND	7.3	8.2	11	6.3	10	7.7
Toluene	1000#	0.54	ND	ND	1.1	ND	ND	ND	ND	NA	ND	NA	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	0.58	ND	ND	0.6	ND	ND	0.7	ND	NA	0.7	NA	0.6		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**	5.6	4	6.9	5.1	6	3.6	13	2.4	NA	9.2	NA	1.3		ND	ND	ND	ND	2.74	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		29.97	57.2	35.9	37.8	50	57.6	51.7	29.4	NA	34.9	NA	19.9	4.5	88	17.5	26.2	9.1	20.64	1	11.6	12	14.4	8.5	14.35	9.8
HYDROCARBONS																										
TVH-g		NA	NA	NA	120	270	160	350	140	NA	370	NA	110	ND	ND	ND	ND	ND	83	ND	ND	ND	59	ND	ND	79
TEPH-d		600	1500	1200	840	650	1000	1000	1600	NA	510	NA	1300	510	1600	830	870	740	630	630	780	830	900	ND	ND	540
O&G		NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		< 500	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																										
Lead	0	ND	NA	NA	ND	ND	ND	ND	ND	ND	7.3	7.4	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	ND	ND	ND

Notes:
1) MCL = Maximum Contaminant Level in drinking water (State MCL if not noted otherwise)
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Historical Groundwater Analytical Data

Well ID	MCL	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-3	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6	OW-6
Date	ug/L	Apr-88	Jun-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01
PURGEABLE HALOCARBONS																																
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NO	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	49	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	0.82	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	4	5	28	29	14	17	17	15	16	41	ND	1	2	2	10	23	NA	7	17	31	8.8	10	5.4	7	7.7	3.3	4.6	2.1	3.1	1.4	2.3	1.4
cis-1,2-Dichloroethene	6	NA	NA	ND	ND	33	ND	1	1	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	10	18	NA	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.7
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	1	ND	ND	ND	ND	ND	1	2.3	2	5.7	ND	ND	ND	ND	ND	NA	ND	2	4.5	ND	5.2	1	4.5	26	9.1	8.3	ND	1.9	ND	ND	ND
1,3-Dichlorobenzene		NA	NA	NA	3	ND	2	2	1	3.3	ND	15	ND	ND	ND	ND	ND	NA	ND	ND	11	7.4	20	10	25	46	30	27	5.4	9.2	3	2.7	ND
1,2-Dichlorobenzene	600#	NA	NA	NA	2	ND	1	1	1	2.3	ND	5.8	ND	ND	ND	ND	ND	NA	ND	ND	23	ND	2.4	ND	2.1	6.3	3	2.8	ND	0.7	ND	ND	ND
1,4-Dichlorobenzene	5	NA	NA	NA	2	ND	ND	2	1	3.1	ND	23	ND	ND	ND	ND	ND	NA	ND	ND	2.9	16	46	26	65	140	84	68	19	30	11	10	ND
PURGEABLE AROMATICS																																	
Benzene	1	ND	ND	ND	0.5	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	0.6	NA	ND	ND	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Toluene	1000#	ND	ND	ND	0.4	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.1	NA	ND	ND	ND	ND	ND	ND	ND	35	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**			ND	0.7	2.1	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		6	8	28	37.6	59.4	20	23	20	32.81	43	51.5	1	2	2	20	42.7	NA	7	19	76.3	81.2	83.6	42.4	103.6	261.5	129.4	110.7	27.6	44.9	15.4	15.0	2.1
HYDROCARBONS																																	
TVH-g		NA	NA	NA	< 50	52	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	< 50	NA	70	<50	ND	ND	61	ND	83	160	110	130	84	57	ND	ND	ND
TEPH-d		< 1000	< 1000	< 1000	440	470	450	130	1310	700	< 50	5500	4900	3500	3900	5300	3500	NA	2200	2500	1300	2400	2000	2400	1300	1200	1300	2000	1300	1000	66	ND	320
O&G		< 5000	< 5000	5000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																																	
Lead	0	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

Well ID	MCL	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7	OW-7
Date	ug/L	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Apr-93	Jul-93	Oct-93	Jan-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00	Jun-01
PURGEABLE HALOCARBONS																								
Chloromethane		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	NA	ND	NA	ND *	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND *
Vinyl chloride	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	14	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	570	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	16	ND	ND	25	NA	14	NA	8	ND	5.5	25	6.5	6.8	4.3	9.8	4.1	5.7	ND	6.3	ND	ND	ND
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#*	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	10	460	29	80	530	NA	73	NA	76	28	33	41	18	6.6	7.9	31	5.9	5.6	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	5	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	10	ND	ND	8	ND	NA	29	NA	21	24	12	34	25	31	25	46	27	31	34	36	18	39	27
1,3-Dichlorobenzene		460	130	420	330	170	NA	540	NA	450	570	270	400	380	440	290	360	340	360	420	330	220	330	320
1,2-Dichlorobenzene	600#	120	22	95	77	33	NA	470	NA	78	100	290	61	62	74	47	57	50	48	67	44	44	49	42
1,4-Dichlorobenzene	5	440	120	400	290	160	NA	110	NA	410	540	51	480	500	560	410	530	450	470	580	450	310	470	510
PURGEABLE AROMATICS																								
Benzene	1	ND	0.8	1	1.4	0.6	NA	1.5	NA	1.6	1.2		1.1	ND	ND	0.56	1.6	0.66	0.65	0.84	0.62	ND	0.83	ND
Toluene	1000#	ND	0.6	0.5	ND	ND	NA	ND	NA	ND	ND		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	0.5	ND	ND	NA	ND	NA	ND	ND		ND	ND	ND	ND	70	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**	ND	2.1	5	ND	ND	NA	ND	NA	4.2	ND		ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		1054	751.5	951	788.4	918.6	NA	1237.5	NA	1048.8	1263.2	661.5	1612.1	991.5	1118.2	784.76	1106.5	877.66	920.95	1101.8	866.92	592	888.83	899
HYDROCARBONS																								
TVH-g		NA	700	1300	1400	720	NA	1500	NA	1400	1800	650	980	1200	1500	1100	1100	1000	1100	1200	1100	560	1100	1200
TEPH-d		7100	4400	2800	3900	2300	NA	4900	NA	4500	4800	1600	4400	4600	4800	2600	2100	2600	3500	3500	2400	430	370	1100
O&G		< 5000	< 5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																								
Lead	0	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:
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6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)
9) NA = Not Analyzed or analysis not required

Historical Groundwater Analytical Data

Well ID	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8	OW-8
Date	Apr-93	Jul-93	Oct-93	Jan-94	Apr-94	Jul-94	Jun-95	Nov-95	Jun-96	Oct-96	Apr,Jun-97	Dec-97	Jun-97	Dec-98	Jun-99	Nov-99	Jun-00	Nov-00
PURGEABLE HALOCARBONS																		
Chloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromomethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methylene Chloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichlorofluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Freon 113	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromodichloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloropropane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dibromochloromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroethylvinyl Ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,1,2,2-Tetrachloroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,3-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PURGEABLE AROMATICS																		
Benzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Total Xylenes	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TOTAL VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
HYDROCARBONS																		
TVH-g	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TEPH-d	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
O&G	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TPH (418.1)	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																		
Lead	27	17	ND	25	12	24	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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