Quarterly Groundwater Monitoring Report

July 1993

PG&E
Construction and Distribution Yard
4930 Coliseum Way
Oakland, California

Prepared by:

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Report issued:
September, 1993

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APPENDICES

1.0 BACKGROUND

This report presents the results of the quarterly groundwater monitoring performed in July 1993 at the PG&E Distribution and Construction Yard in accordance with the directive issued by the Alameda County Health Care Agency and a PG&E letter to Alameda County dated April 12, 1993. This report also presents a summary of the results from groundwater sampling performed at the site between January 1990 and the present. The yard is located at 4930 Coliseum Way in Oakland, California. As part of the groundwater monitoring program, samples were collected from shallow wells on the site and analyses were performed to determine the distribution of selected fuel compounds, solvents and lead in the uppermost aquifer beneath the northern part of the yard. This area includes the former sites of five underground storage tanks and one aboveground storage tank.

All of the underground tanks were removed in January 1988. Analyses of their contents revealed that of the four tanks formerly located in a cluster near the north corner of the yard, two contained mineral spirits and two tanks contained heavy oil. A concrete sump was located approximately 50 feet northeast of the tank cluster. Near this sump a shop also once stood. The fifth tank, formerly located near the west corner of the yard, contained diesel fuel. A soil sample collected below this tank indicated concentration of diesel below the detection limit of 10 mg/kg. Subsequent to the tank removal, a subsurface investigation indicated that soils neighboring the former diesel tank were not impacted.

A number of soil samples collected near the former tank cluster, sump and shop location were found to contain diesel at concentrations as high as 3900 mg/kg, Oil & Grease at concentrations over 1,000 mg/kg and showed evidence of volatile organic compounds (VOCs) in this area. 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, an area of approximately 6,600 square feet was excavated as a remedial action for the petroleum hydrocarbon soil contamination identified above and believed to originate from one or more of the following: the four-tank cluster, the concrete sump, the former shop location (each within the excavated area), or a possible off-site source. This work was described in The Earth Technology Corporation (formerly Aqua Resources Inc.) document "Site Remediation and Closure Report...Former Tank Cluster Area" dated February 1992.

During the remedial excavation, confirmatory soil samples were taken along the sidewalls and bottom of the excavation to determine if the full extent of soils impacted by hydrocarbons to above soil cleanup targets established for the project were removed. The cleanup targets for gasoline and diesel were 10 mg/kg and 100 mg/kg, respectively. Those for oil and grease (O&G) were 1,000 mg/kg and for benzene, toluene, ethylbenzene and xylene compounds were 5 μg/kg (cumulative). The excavated soils generally extended to the depth of groundwater, then at about 8 to 8-½ feet below grade, and were replaced with clean, compacted backfill. The backfill below about 7 feet consisted of drain rock, while that above the 7 feet in depth consisted of Class II aggregate base. The northwest and northeast excavation boundaries reached the approximate PG&E property lines. All of the samples collected at the PG&E property lines failed the cleanup levels, while each of the remaining confirmatory samples passed the cleanup targets. Samples along the northeastern property line failed primarily due to diesel and O&G concentrations. During excavation, this wall showed visible tar or heavy oil in the exposed soils. Two pipes containing a similar heavy petroleum product were also uncovered along this excavation wall. Analytical testing of the product found in pipes showed diesel at 7,000 mg/kg and did not indicate significant VOCs.

Samples along the northwestern property line failed variously due to concentration of gasoline, kerosene, diesel, O&G, and BTEX compounds. The cleanup targets were exceeded in at least one instance for each of these compounds.

The conclusions of the closure report suggested that off-site sources of hydrocarbons may exist in both the northwest and northeast direction, and requested regulatory agency input in initiating an investigation of these potential sources. Quarterly groundwater monitoring 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 contaminant mitigation cap was constructed over surface soils in an area south of the hydrocarbon remediation area. These soils are contaminated with lead, thought to originate from lead paint chips generated from sandblasting operations on a large aboveground natural gas storage tank. The tank was removed in May 1990. These soils were found contaminated with total and soluble lead above California Code of Regulations (CCR) levels for hazardous wastes. CCR Total Threshold Limit Concentration for lead is 1,000 mg/kg (ppm) and the Soluble Threshold Limit Concentration for lead is 5 mg/l (ppm). The Alameda County Health Care Services Agency and the Regional Water Quality Control Board approved capping as the selected remedial option for this area. Continued groundwater monitoring for lead was agreed upon by the County as part of this remedial option. Following contaminant capping the remaining open ground at the site was covered with asphaltic concrete.

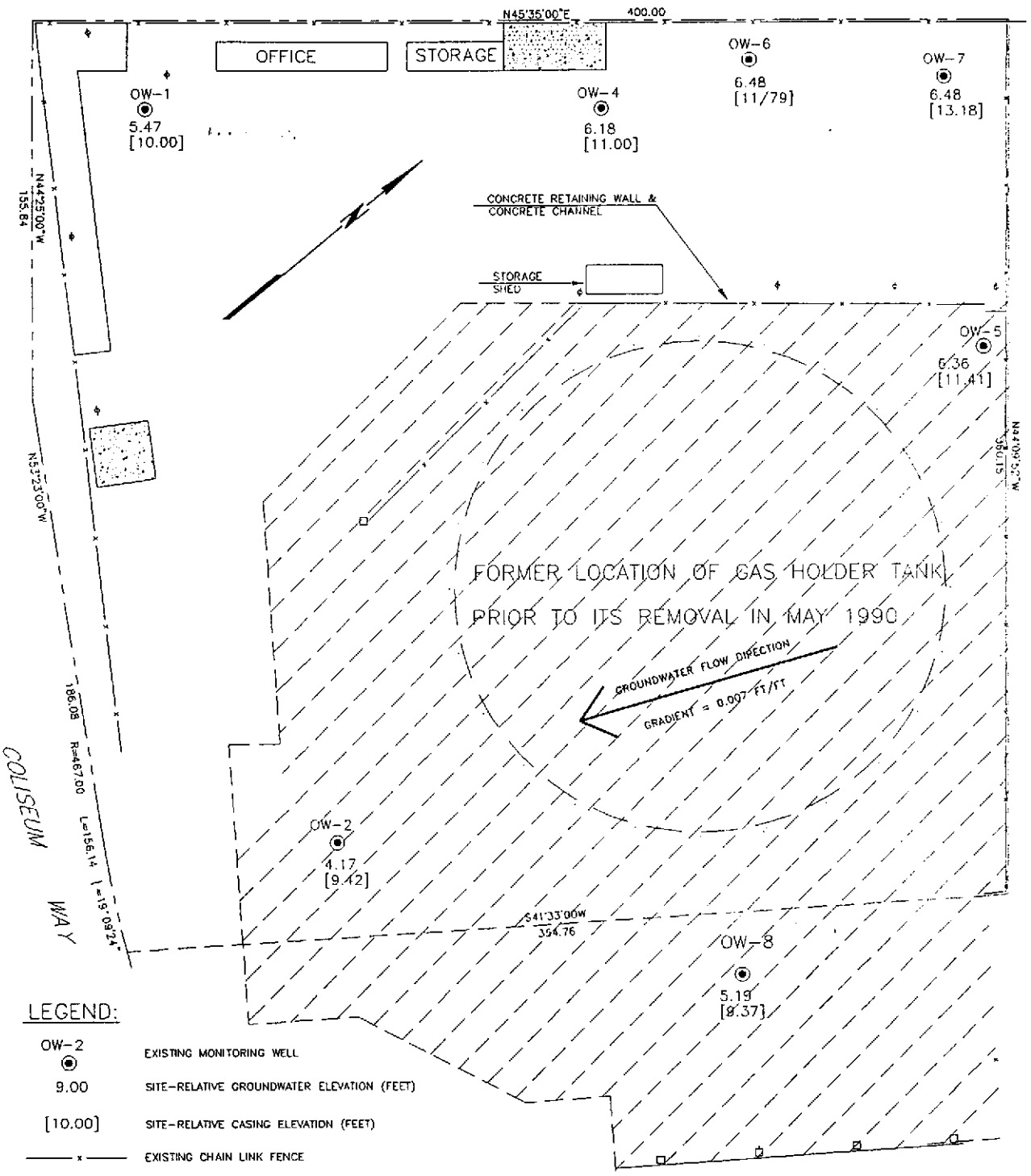
In February 1993, well OW-8 was installed in the southern area of the yard. Well OW-8 is in the vicinity of the former aboveground natural gas storage tank. Lead concentrations in samples collected from this well have been in excess of the reporting limit of 3 μg/l, at 27 μg/L but below the Maximum Concentration Level (MCL) for drinking water, which is 50 μg/l. Wells OW-2 and OW-5 are also located in the vicinity of the former aboveground storage tank and are being sampled quarterly for lead. In January, April, and July 1993, soluble lead was not detected in samples taken from OW-2 and OW-5.

2.0 SAMPLING ACTIVITIES

Four of the five originally-installed monitoring wells remain in existence on the site. One 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 were installed on December 19, 1991: OW-6, which was installed in the general vicinity of well OW-3 to act as its replacement; and OW-7, which was installed at the northeastern end of the remediation area to gauge the likelihood of upgradient contamination in the shallow groundwater underlying the site. Both wells penetrate the clean, compacted fill placed in the November remedial action. Well OW-8 was installed in February 1993 to gauge possible lead contamination in the groundwater downgradient of the former aboveground tank. The locations of these new wells were approved by the Alameda County Health Care Services Agency. Figure 2.1 presents the site plan including all present monitoring well locations. On July 26, 1993, groundwater samples were collected by Earth Technology personnel from monitoring wells OW-1, OW-2, OW-4, OW-5, OW-6, OW-7 and OW-8. Prior to sampling, three to six casing volumes of groundwater were purged with a bailer from each well. Conductivity, pH, and temperature were measured periodically and purging continued until these properties were stable. The groundwater sample was then collected.

The groundwater samples collected from each well were analyzed by Curtis & Tompkins, Ltd. Analytical Laboratories, Berkeley, California for extractable petroleum hydrocarbons as diesel or kerosene (TPH-d,k; LUFT Manual, October 1989); purgeable halocarbon compounds (EPA method 8010); total volatile hydrocarbons as gasoline (TVH-g; LUFT Manual October 1989); benzene, toluene, xylenes, and ethylbenzene (BTXE, EPA 5030/8020); and for lead (EPA 7421). In addition, method blank analyses were performed for the purposes of quality assurance (QA) on the groundwater sample results.

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



LEGEND:

OW-2	EXISTING MONITORING WELL
9.00	SITE-RELATIVE GROUNDWATER ELEVATION (FEET)
[10.00]	SITE-RELATIVE CASING ELEVATION (FEET)
——x——	EXISTING CHAIN LINK FENCE
—— - - ——	PROPERTY LINE
	EXISTING RETAINING WALL
	EXISTING UTILITY POLE
	EXTENT OF CAPPED SOIL WITH AN ELEVATED LEAD CONCENTRATION

GRAPHIC SCALE

0 30 60 120

1" = 60 FEET

The Earth Technology Corporation

PROJECT NO: 690262.03

FIGURE 2.1 GROUNDWATER ELEVATIONS AND GRADIENT ON JULY 26, 1993

PG&E ENCON: OAKLAND CONSTRUCTION YARD

3.0 ANALYTICAL RESULTS

Table 3.1 summarizes the analytical results for petroleum hydrocarbons detected in the groundwater samples collected on July 26, 1993. TPH-d was detected in each of the monitoring wells and was found in the highest concentration in wells OW-1 and OW-7. The highest concentration of TVH as gasoline continues to be that detected in the upgradient well OW-7.

Table 3.1 Petroleum Hydrocarbons in Groundwater, in mg/l

Well	TPH-Diesel	TVH-Gasoline
OW-1	2.30	ND
OW-4	1.50	NA
OW-5	1.60	0.14
OW-6	3.50	ND
OW-7	4.90	1.50

Notes:

1) ND = Not Detected at or above the method reporting limits (RL).
2) TPH-Diesel = Extractable Petroleum Hydrocarbons, Diesel Range, LUFT Manual October 1989; RL = 0.05 mg/l.
3) TVH-Gasoline = Total Volatile 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 in the monitoring wells on site. For samples which reported TPH as not detected, one half of the detection limit was used in preparing these figures. The data from monitoring wells OW-3 and OW-6 are combined in the figures since OW-6 was installed to replace OW-3 following its destruction.

Throughout the site's water monitoring history, there have been differences in reporting TPH by the three different laboratories used throughout this time. TPH prior to April 1991 was reported as diesel and/or oil (Brown and Caldwell Analytical), in April 1991 as strictly diesel (The Earth Technology Corporation Analytical Laboratory), and

Figure 3.1
Total Petroleum Hydrocarbons as Diesel
and Oil in Monitoring Wells Versus Time

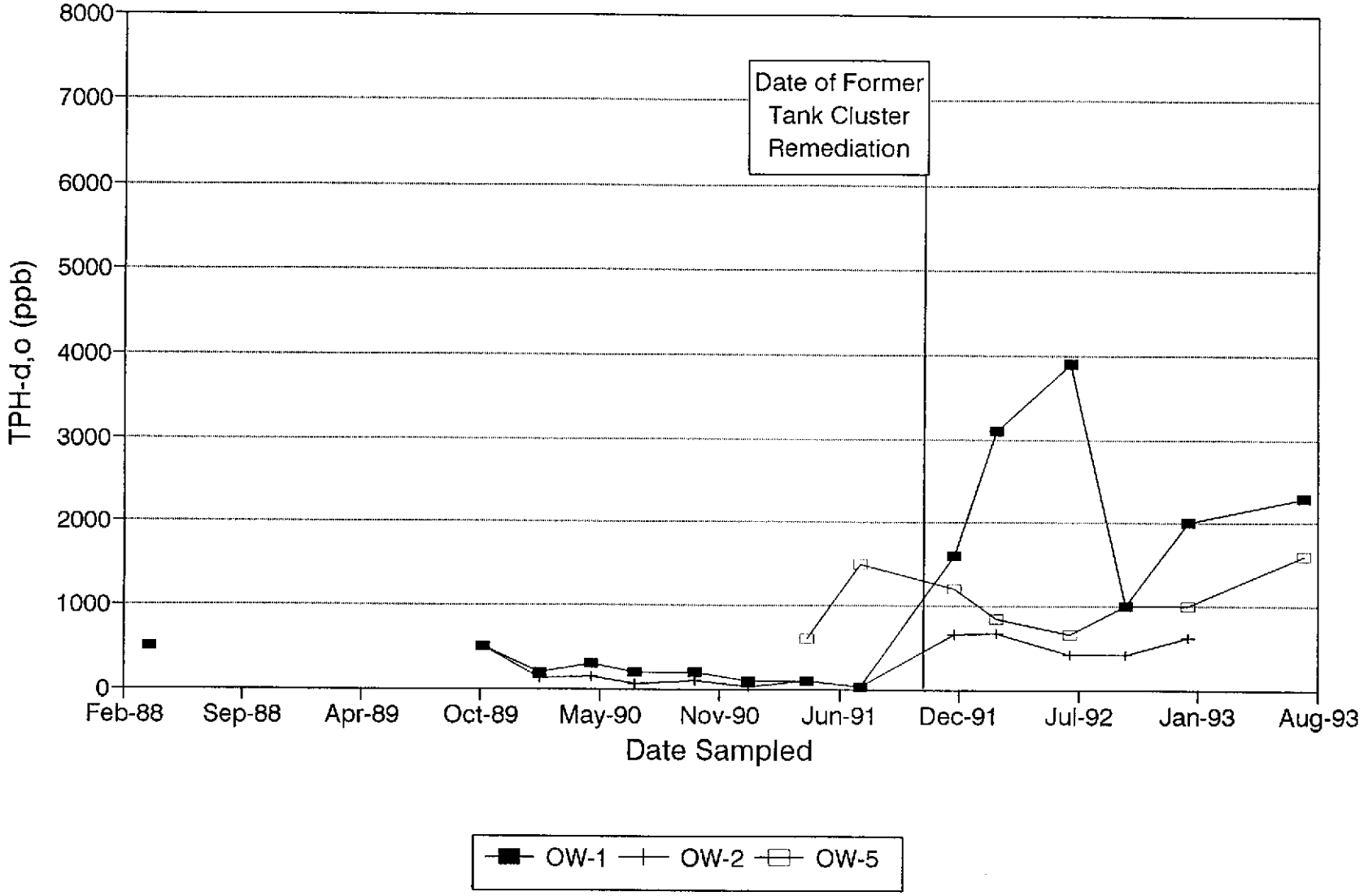
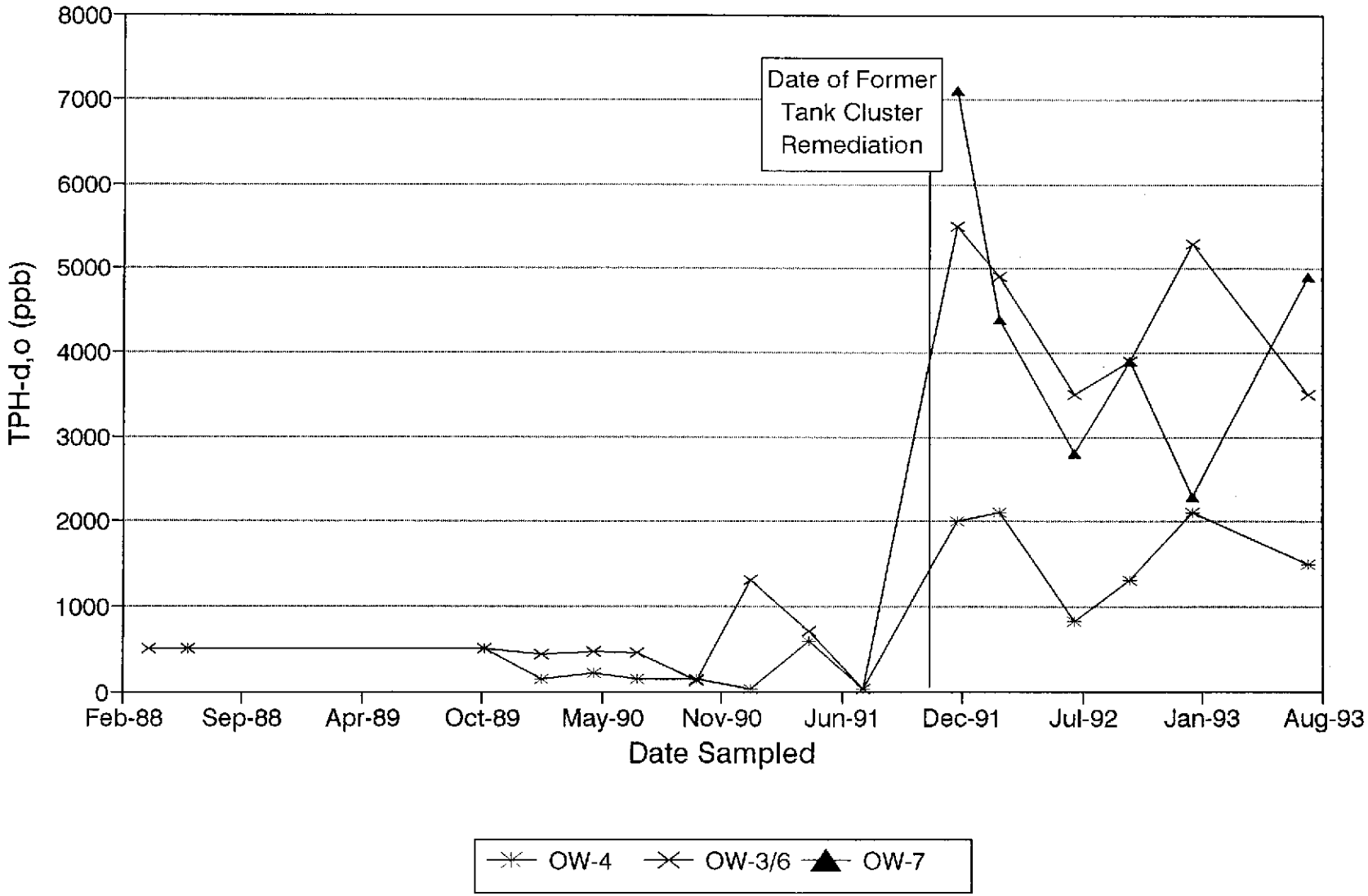


Figure 3.2
Total Petroleum Hydrocarbons as Diesel
and Oil in Monitoring Wells Versus Time



following April 1991 as diesel and/or kerosene (Curtis and Tompkins Ltd.). TPH characterized as kerosene has never been detected. In an attempt to compare results, the TPH presented in these figures is the sum of these distinguished characterizations.

As figures illustrate, TPH concentrations reached a peak around the time of the remedial excavation in November, 1991 in the wells in the remediation vicinity: OW-4, OW-6 and OW-7. Each of these wells reported TPH at greater than 2000 ppb. It was noted in the February 1992 tank cluster area remediation report that there is apparent off-site contamination upgradient of the PG&E yard. The persistence of moderate TPH concentrations following remediation in this area is believed to be the result of this upgradient contamination. Well OW-5, which lies near the northeast property line showed TPH as diesel at or above 1,000 ppb for the third consecutive quarter. Well OW-1, which is distant from the hydrocarbon remediation area, continues to contain detectable concentrations of TPH as diesel. Over the past year OW-1 has fluctuated around 2000 ppb.

TVH-g has been consistently below 1,000 ppb in all wells except upgradient well OW-7. This well has consistently shown concentration of TVH-g greater than 700 ppb. Figure 3.3 illustrates the historical concentrations of TVH-g. Between January 1991 and March 1992, this analysis was not performed. Since January 1991, TVH-g concentrations have been below the detection limit in the remaining wells with the exception of wells OW-5 and OW-1, where the concentrations have fluctuated at near non-detect concentrations.

Table 3.3 presents the results of this quarter's groundwater analyses for soluble lead. The EPA and State MCL for lead in drinking water is 50 μg/l. Lead was detected above the Method Detection Limit in OW-8 at 17 μg/L this sampling quarter. In April 1993, lead was detected at 27 μg/L in OW-8. These concentrations are below the Maximum Concentration Level (MCL) for drinking water, which is 50 μg/L. Lead has previously been detected in the other monitoring wells only once, in well OW-4 on July 1, 1992. The concentration of lead in that sample was 5 μg/l.

Figure 3.3
Total Volatile Hydrocarbons as Gasoline
in Monitoring Wells Versus Time

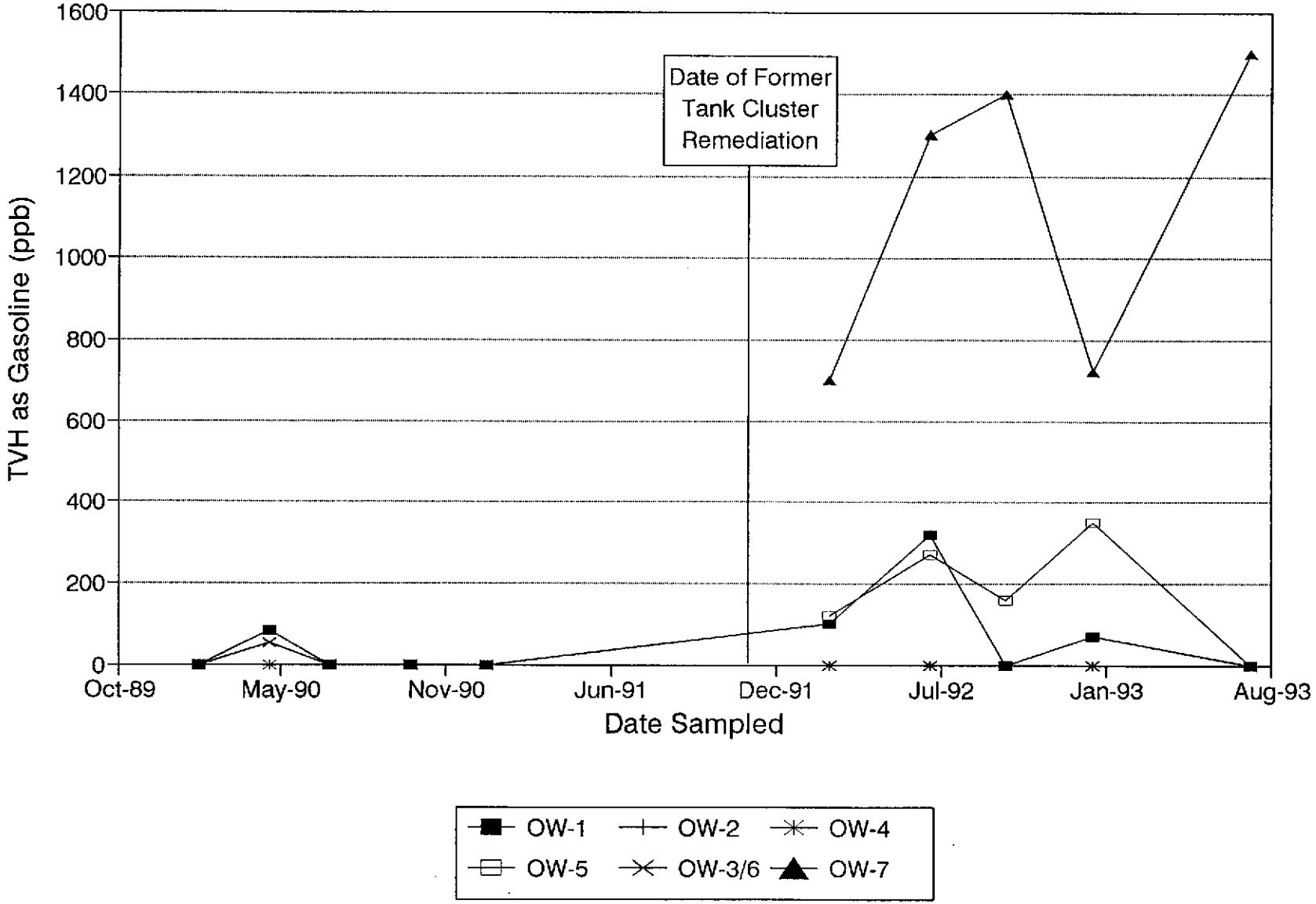


Table 3.2 presents the analytical results of volatile organic compounds (VOCs) in groundwater. The State Maximum Contaminant Levels (MCLs) for drinking water for four compounds; 1,1-Dichloroethane (DCA, 5 µg/l), 1,1,1-Trichloroethane (TCA, 200 µg/l), 1,4-Dichlorobenzene (1,4-DCB, 5 µg/l), and Benzene (BZ, 1 µg/l), were each exceeded: upgradient well OW-5 had 6 µg/l of DCA and 14 µg/l of BZ, while the second upgradient well, OW-7, had 14 µg/l of DCA, and 470 µg/l of 1,4-DCB. In well OW-6, DCA was detected at 23 µg/l. TCA was also observed in wells OW-5 and OW-6 at 7 and 18 µg/l, respectively, well below the MCL of 200 µg/l.

Figure 3.4 illustrates the historical concentrations of total VOCs from 8010/8020 analyses in the monitoring wells on site. Since the installation of upgradient well OW-7, whose data is plotted using the right hand scale, this well has been found to have the highest concentration of VOCs, an order of magnitude larger than any of the other wells. Well OW-6 has an elevated concentration of VOCs this quarter with 42.7 µg/L compared to the upgradient well, OW-5, containing a concentration of total VOCs at 29.4 µg/l. Wells OW-7 and OW-5 lie within ten feet of the northeast property line of the site and groundwater elevation monitoring consistently indicates that the groundwater flow direction is from the northeast neighboring property onto the PG&E site. This is a strong indication that VOCs are migrating onto the PG&E site from an upgradient source.

Table 3.2 Volatile Organic Compounds in Groundwater, in ug/l

PURGEABLE HALOCARBONS	MCL	Well Number				
		OW-1	OW-5	OW-6	OW-7	TRIP BLANK
Chloromethane		NA	ND	ND	ND	ND
Bromomethane		NA	ND	ND	ND	ND
Vinyl chloride	0.5	NA	ND	ND	ND	ND
Chloroethane		NA	ND	ND	ND	ND
Methylene Chloride	5#	NA	ND	ND	ND	ND
Trichlorofluoromethane	150	NA	ND	ND	ND	ND
1,1-Dichloroethene	6	NA	ND	ND	ND	ND
1,1-Dichloroethane	5	NA	6	23	14	ND
cis-1,2-Dichloroethene	6	NA	ND	ND	ND	ND
trans-1,2-Dichloroethene	10	NA	ND	ND	ND	ND
Chloroform	100#*	NA	ND	ND	ND	ND
Freon 113	1200	NA	ND	ND	ND	ND
1,2-Dichloroethane	0.5	NA	ND	ND	ND	ND
1,1,1-Trichloroethane	200	NA	7	18	73	ND
Carbon Tetrachloride	0.5	NA	ND	ND	ND	ND
Bromodichloromethane	100#*	NA	ND	ND	ND	ND
1,2-Dichloropropane	5	NA	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	NA	ND	ND	ND	ND
Trichloroethylene	5	NA	ND	ND	ND	ND
1,1,2-Trichloroethane	32	NA	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	NA	ND	ND	ND	ND
Dibromochloromethane	100#*	NA	ND	ND	ND	ND
2-Chloroethylvinyl Ether		NA	ND	ND	ND	ND
Bromoform	100#*	NA	ND	ND	ND	ND
Tetrachloroethylene	5	NA	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	NA	ND	ND	ND	ND
Chlorobenzene	30	NA	ND	ND	29	ND
1,3-Dichlorobenzene		NA	ND	ND	540	ND
1,2-Dichlorobenzene	600#	NA	ND	ND	110	ND
1,4-Dichlorobenzene	5	NA	ND	ND	470	ND
PURGEABLE AROMATICS						
Benzene	1	ND	14	0.6	1.5	ND
Toluene	1000#	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	1.1	ND	ND
Total Xylenes	1750**	ND	2.4	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 reporting limit

7) Purgeable Halocarbons (EPA method 8010)

8) Purgeable Aromatics (EPA method 8020)

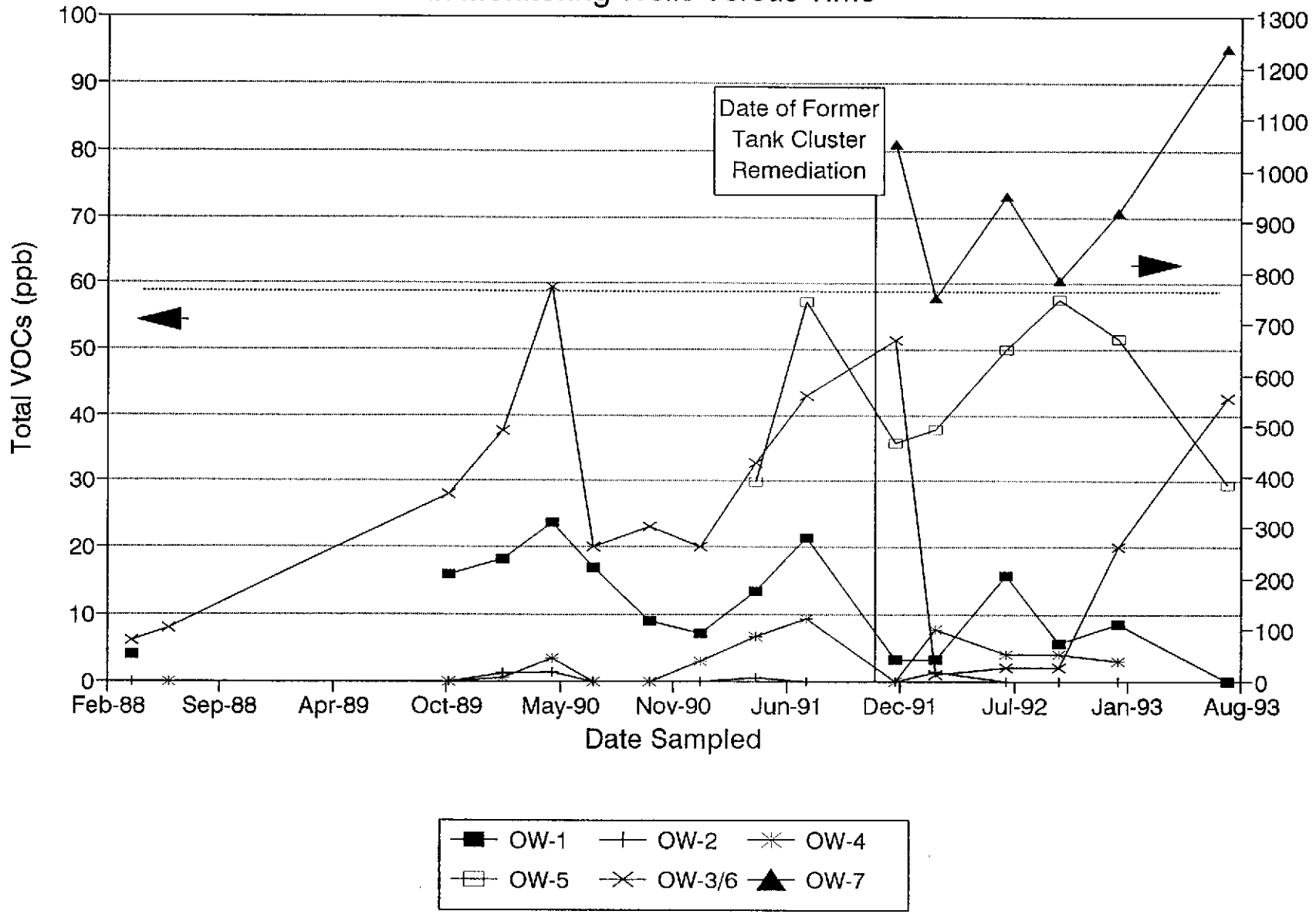
9) NA = Not Analyzed

Table 3.3 Lead in Groundwater, in μg/L

Well	Reporting Limit	Soluble Lead
OW-2	3.0	ND
OW-5	3.0	ND
OW-8	3.0	17

1) Method EPA 7421
2) ND = Not Detected above the RL

Figure 3.4
Total VOCs from EPA 8010/8020 Analyses
in Monitoring Wells Versus Time



4.0 GROUNDWATER FLOW DIRECTION

Water level measurements in the monitoring wells were made on July 26, 1993. The measurements were made on each well prior to well purging. 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 these wells is based upon an assumed TOC elevation of 10 feet at well OW-1. In late September, the wellhead of OW-2 was raised to match the new grade of the lead mitigation cap. A 1.10 foot riser was placed on the existing casing and the TOC reference elevation for this well was adjusted appropriately.

The groundwater elevations measured July 26, 1993 are presented in Figure 2.1 along with the relative TOC elevations of each of the wells. The groundwater flow direction calculated from groundwater elevations in OW-1, OW-2, and OW-5 indicates the local groundwater flow direction on this date to be to the south at a gradient of approximately 0.007 ft/ft. This flow direction is consistent with those observed over the last two quarters (October 1992 and January 1993). The lead mitigation cap now limits direct precipitative recharge in the area between wells OW-5 and OW-2, while most of the neighboring upgradient property near OW-5 is open ground.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The following conclusions are made based upon the results of analyses performed on groundwater samples collected on July 26, 1993 from monitoring wells OW-1, OW-2, OW-4, OW-5, OW-6 OW-7 and OW-8, and from prior quarterly sampling results.

- TPH characterized as diesel (TPH-d) was detected in wells OW-1, OW-4, OW-5, OW-6, and OW-7 above the method reporting limit (RL). The highest concentrations of TPH-d were observed in wells OW-7 (4,900 µg/l), OW-6 (3,500 µg/L), OW-5 (1,600 µg/l) and OW-4 (1,500 µg/l). These wells lie in or near the 1991 former tank cluster remediation area. Moderate TPH concentrations have persisted in these wells since the remedial action. Soil samples collected during remediation indicated that TPH-d concentrations in excess of 100 mg/kg were present in soil only near the property boundaries along the northeast and northwest excavation limits. TPH-d concentrations in these wells are thought to be a result, at least in part, of an off-site source. Placement of Class II aggregate base as a backfill material increased water permeability at the site allowing contamination to reach wells located farther away downgradient from the PG&E property line.

- TPH concentrations in well OW-1 have fluctuated at around 2,000 µg/l over the past year. This well is downgradient of a former diesel tank location. Five soil samples collected from below and around the tank location after its removal in 1988 gave TPH concentrations of ND at RL's of 10 mg/kg on the bottom sample and 1 mg/kg in the surrounding samples.

- Upgradient wells OW-5 (DCA and BZ) and OW-7 (DCA and 1,4-DCB) and well OW-6 (DCA) were the only wells found to have VOCs whose concentrations exceed the MCLs for drinking water. These and the other VOCs detected are thought to originate from an off-site sources.

- The three isomers of DCB continue to be the VOCs found at the highest concentrations. They are found predominantly in upgradient well OW-7 (total DCB 1120 µg/l).

- The solvent TCA continues to be present in upgradient wells OW-5 (7 µg/l) and OW-7 (73 µg/l). It was found, for the first time, in the January 1993 sampling in

well OW-6 (10 µg/l) and was present in the July 1993 sampling in well OW-6 at 18 µg/L.

- TVH-g was detected in one well: upgradient well OW-7 (1500 µg/l). Prior to July 1993, TVH-g was detected in OW-1 and OW-5.

- Wells OW-5 and OW-7 both lie at the upgradient end of the site. Both have historically contained the highest concentrations of TVH-g and VOCs, indicating an upgradient, i.e., from the north or northeast, source of fuel and/or solvent contamination.

- Groundwater flow across the site appears to be to the south and southwest.

- Lead was detected in well OW-8 (well OW-8 was installed in February 1993) in the past two quarterly sampling events, although the concentrations have not exceeded the drinking water MCL of 50 µg/L. The concentration decreased from 27 µg/L in April 1993 to 17 µg/L in July 1993.

APPENDIX A

Certified Laboratory Results

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Aqua Resources
2030 Addison Street
Suite 500
Berkeley, CA 94704

Date: 11-AUG-93
Lab Job Number: 111698
Project ID: 690262.03
Location: PG&E Colliseum

Reviewed by:

Reviewed by:

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 07/30/93
DATE REPORTED: 08/11/93

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions
TVH by California DOHS Method/LUFT Manual October 1989
BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
111698-1	OW-1	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
111698-4	OW-5	140	14	ND(0.5)	ND(0.5)	2.4
111698-5	OW-6	ND(50)	0.6	ND(0.5)	1.1	ND(0.5)
111698-7	OW-7	1,500	1.5	ND(0.5)	ND(0.5)	ND(0.5)
111698-8	TRIP BLANK	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	2
RECOVERY, %	101

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE EXTRACTED: 07/30/93
DATE ANALYZED: 08/02,03/93
DATE REPORTED: 08/11/93
DATE REVISED: 09/09/93

Extractable Petroleum Hydrocarbons in Aqueous Solutions
California DOHS Method
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
111698-1	OW-1	**	2,300	50
111698-3	OW-4	**	1,500	50
111698-4	OW-5	**	1,600	50
111698-5	OW-6	**	3,500	50
111698-7	OW-7	**	4,900	50

** Kerosene range not reported due to overlap of hydrocarbon ranges.

* Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	7
RECOVERY, %	96

Curtis & Tompkins, Ltd

LABORATORY NUMBER: 111698
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 08/04/93
DATE REPORTED: 08/11/93

ANALYSIS: LEAD
ANALYSIS METHOD: EPA 7421

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
111698-2	OW-2	ND	ug/L	3
111698-4	OW-5	ND	ug/L	3
111698-6	OW-8	17	ug/L	3

ND = Not detected at or above reporting limit.

QA/QC SUMMARY:

RPD, %	3
RECOVERY, %	100

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-4
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E
SAMPLE ID: OW-5

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 08/02/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	6	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	7	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	1
Tetrachloroethene	ND	2
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	113

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-5
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E
SAMPLE ID: OW-6

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 08/01/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	23	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	18	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	107

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-7
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E
SAMPLE ID: OW-7

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 08/01/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	14	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	73	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	29	1
1,3-Dichlorobenzene	540*	10
1,4-Dichlorobenzene	470*	10
1,2-Dichlorobenzene	110*	10

*Analyzed at a 1:5 dilution on 08/03/93
ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	108

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-8
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E
SAMPLE ID: TRIP BLANK

DATE SAMPLED: 07/26/93
DATE RECEIVED: 07/26/93
DATE ANALYZED: 08/01/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	112

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-METHOD BLANK
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE ANALYZED: 08/02/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	111

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-METHOD BLANK
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE ANALYZED: 08/02/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	110

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 111698-METHOD BLANK
CLIENT: AQUA RESOURCES
PROJECT ID: 690262.03
LOCATION: PG&E

DATE ANALYZED: 08/01/93
DATE REPORTED: 08/11/93

EPA 8010
Purgeable Halocarbons in Water

Compound	Result ug/L	Reporting Limit ug/L
Chloromethane	ND	2
Bromomethane	ND	2
Vinyl chloride	ND	2
Chloroethane	ND	2
Methylene chloride	ND	20
Trichlorofluoromethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloroethane	ND	1
cis-1,2-Dichloroethene	ND	1
trans-1,2-Dichloroethene	ND	1
Chloroform	ND	1
Freon 113	ND	1
1,2-Dichloroethane	ND	1
1,1,1-Trichloroethane	ND	1
Carbon tetrachloride	ND	1
Bromodichloromethane	ND	1
1,2-Dichloropropane	ND	1
cis-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
1,1,2-Trichloroethane	ND	1
trans-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Bromoform	ND	2
Tetrachloroethene	ND	1
1,1,2,2-Tetrachloroethane	ND	1
Chlorobenzene	ND	1
1,3-Dichlorobenzene	ND	1
1,4-Dichlorobenzene	ND	1
1,2-Dichlorobenzene	ND	1

ND = Not detected at or above reporting limit.

QA/QC SUMMARY

Surrogate Recovery, %	107

Curtis & Tompkins, Ltd.

MS/MSD SUMMARY SHEET FOR EPA 8010

Laboratory Number: 111698
Client: Aqua Resources, Inc.
Analysis date: 07/31/93 Spike file: 212w005
Sample type: Water Spike dup file: 212w006

8010 MS/MSD DATA (spiked at 20 ppb)

SPIKE COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	21.82	109 %	OK	61 - 145
Trichloroethene	79.86	95 %	OK	71 - 120
Chlorobenzene	22.92	115 %	OK	75 - 130
SPIKE DUP COMPOUNDS				
1,1-Dichloroethene	22.47	112 %	OK	61 - 145
Trichloroethene	82.06	106 %	OK	71 - 120
Chlorobenzene	23.55	118 %	OK	75 - 130
SURROGATES				
Bromobenzene (MS)	105.36	105 %	OK	75 - 125
Bromobenzene (MSD)	106.64	107 %	OK	75 - 125

MATRIX RESULTS

1,1-Dichloroethene	0
Trichloroethene	60.779
Chlorobenzene	0

RPD DATA

8010 COMPOUNDS	SPIKE	SPIKE DUP	RPD	STATUS	LIMITS
1,1-Dichloroethe	21.82	22.47	3 %	OK	<= 14
Trichloroethene	79.86	82.06	3 %	OK	<= 14
Chlorobenzene	2.00	23.55	3 %	OK	<= 13

Curtis & Tompkins, Ltd

LABORATORY CONTROL SAMPLE SUMMARY SHEET FOR EPA 8010

Laboratory Number: 111698
Analysis date: 08/02/93
Sample type: Soil

LCS file: 214w002

LCS SPIKE DATA (spiked at 20 ppb)

8010 COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	20.5	103 %	OK	59 - 172
Chlorobenzene	20.2	101 %	OK	60 - 133
Trichloroethene	21.9	110 %	OK	62 - 137
SURROGATES				
Bromobenzene	108.9	109 %	OK	75 - 125

Curtis & Tompkins, Ltd.

LABORATORY CONTROL SAMPLE SUMMARY SHEET FOR EPA 8010

Laboratory Number: 111698
Analysis date: 08/01/93
Sample type: Soil

LCS file: 213e002

LCS SPIKE DATA (spiked at 20 ppb)

8010 COMPOUNDS	READING	RECOVERY	STATUS	LIMITS
1,1-Dichloroethene	23.1	116 %	OK	59 - 172
Chlorobenzene	22.6	113 %	OK	60 - 133
Trichloroethene	24.7	124 %	OK	62 - 137
SURROGATES				
Bromobenzene	110.4	110 %	OK	98 - 115

The Earth Technology Corporation

Chain of Custody Record

Lab job no.: 111698
Date: 7/26/93
Page: 1 of 2

Laboratory: Curtis + Thompkins
Address: Berkeley, CA
Client: PG+E
Address: Coliseum Way, Oakland, CA
Project Name / Number: 690262.03
Contract / Purchase Order / Quote:

Method of Shipment: Hand Delv.
Shipment No.:
Project Manager: V. Bajurowicz
Telephone No.: (510) 540-6951
Fax No.: (510) 540-7496
Samplers: (Signature)

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Temp.	Preservation: Chemical	Filtered?	No. of Containers	TPH-d	TVH & BTEX 8020	Lead					Remarks
OW-1 1	OW-1	7/26/93	1530	W	1 l Amber	±4°C			1	X							
" ↓	"	"	"	"	VOA	"	HCl		2		X						
OW-2 2	OW-2	"	1555	W	500ml Plastic	"	HNO3		1				X				*1.
OW-4 3	OW-4	"	1430	"	1 l Amber	"			1	X							
OW-5 4	OW-5	"	1635	"	"	"			1	X							
"	"	"	"	"	VOA	"	HCl		2		X						
"	"	"	"	"	"	"			2			X					
" ↓	"	"	"	"	500ml Plastic	"	HNO3		1				X				*1.
OW-6 5	OW-6	"	1355	"	1 l Amber	"			1	X							
" ↓	"	"	"	"	VOA	"	HCl		2		X						
" ↓	"	"	"	"	"	"			2			X					
OW-8 6	OW-8	"	1620	"	500ml Plastic	"	HNO3		1				X				*1.

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature	7/26/93	Signature	7/26/93	Signature		Signature	
Printed: Aaron Stessman	Time: 1715	Printed: Kathy O'Brien	Time: 1715	Printed	Time	Printed	Time
Company: TETC		Company: C&T		Company		Company	
Reason: for Analysis		Reason: for analysis		Reason		Reason	

Comments: *1. Filter prior to analysis
Normal TAT
Fax Results to Aaron Stessman
when available

Relinquished by:	Date	Received by:	Date
Signature		Signature	
Printed	Time	Printed	Time
Company		Company	
Reason		Reason	

DISTRIBUTION: White to Laboratory, Canary to Earth Technology Project File, Pink to Courier, Golden to Field File

F1000
2/15/91

The Earth Technology Corporation

Chain of Custody Record

Lab job no.: 111698

Date

Page 1 of 2

Laboratory Curtis & Tompkins

Address

Berkeley, CA

Client PG&E

Address Coliseum Way
Oakland, CA

Project Name / Number 690262.03

Contract / Purchase Order / Quote

Method of Shipment: Hand Delv.

Shipment No.

Project Manager V. Bajsorowicz

Telephone No. 540-6954

Fax. No. 540-7496

Samplers: (Signature)

Field Sample Number	Location/ Depth	Date	Time	Sample Type	Type/Size of Container	Preservation: Temp.	Preservation: Chemical	Filtered Y	No. of Containers	Analysis Required: TPH-d	Analysis Required: TVH & BTEX	Analysis Required: 8010	Remarks
DW-7	DW-7	7/26/93	1225	W	1L Amber	4°C			1	X			
"	"	"	"	"	VOA	"	HCl		2		X		
"	"	"	"	"	"	"			2			X	
Trip Blank	—	—	—		VOA	"			2		X	X	

Relinquished by:	Date	Received by:	Date	Relinquished by:	Date	Received by:	Date
Signature [illegible]	7/26/93	Signature	7/26/93	Signature		Signature	
	Time	Printed Kathy O'Brien	Time	Printed	Time	Printed	Time
	17:15	Company C&T	17:15	Company		Company	
		Reason for analysis		Reason		Reason	

Co		Relinquished by:	Date	Received by:	Date
		Signature		Signature	
		Printed	Time	Printed	Time
		Company		Company	
		Reason		Reason	

Just need one copy of this

DISTRIBUTION: White to Laboratory, Canary to Earth Technology Project File, Pink to Courier, Golden to Field File

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2/15/91

APPENDIX B

Table of the Historical Results of Laboratory Analyses

Well ID		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-2	OW-2	OW-2
Date		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	Jul-93	Apr-88	Oct-89	Jan-90
PURGEABLE HALOCARBONS	MCL																		
Chloromethane		ND	ND	ND	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	ND
Vinyl chloride	0.5	ND	ND	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	ND
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Trichlorofluoromethane	150	ND	ND	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	ND
1,1-Dichloroethane	5	ND	5	4	4	2	2	1	2.6	4.6	ND	ND	ND	1	3		ND	ND	ND
cis-1,2-Dichloroethene	6		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	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Chloroform	100#*	ND	ND	ND	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	ND	ND	ND	ND	ND			ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	0.63	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	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	ND
Bromodichloromethane	100#*	ND	ND	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	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Trichloroethylene	5	ND	ND	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	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	ND
Dibromochloromethane	100#*	ND	ND	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	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	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	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		ND	ND	ND
1,3-Dichlorobenzene				1	4	4	1	3	1.8	2.9	ND	ND	ND	ND	ND				ND
1,2-Dichlorobenzene	600#	Total	Total	ND	ND	ND	ND	ND	0.58	ND	ND	ND	ND	ND	ND				ND
1,4-Dichlorobenzene	5	4	11	5	13	11	6	3	6.7	14	3.2	ND	4	3	3				ND
PURGEABLE AROMATICS																			
Benzene	1	ND	ND	3.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.4
Toluene	1000#	ND	ND	2.3	0.4	ND	ND	ND	ND	ND	ND	ND	0.7	ND	ND	ND	ND	ND	0.4
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	0.6	ND	ND	ND	ND
Total Xylenes	1750**		ND	2.6	2.4	ND	ND	ND	ND	ND	ND	3.2	9	1.7	1.9	ND		ND	0.4
TOTAL VOCs		4	16	16.1	23.8	17	9	7	13.41	21.5	3.2	3.2	15.7	5.7	8.5	0	0	0	1.2
HYDROCARBONS																			
TVH-g		NA	NA	< 50	82	< 50	< 50	< 500	NA	NA	NA	100	320	< 50	70	NA	NA	NA	< 50
TEPH-d		< 1000	< 1000	190	300	200	200	90	< 200	< 50	1600	3100	3900	1000	2000	2300	< 1000	< 1000	130
O&G		< 5000	16000	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	16000	16000	NA
TPH (418.1)		NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5000
METALS																			
Lead	50								ND			ND	ND	ND	ND	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-Dichloroprope ne
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)

Well ID		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-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4
Date		Apr-90	Jul-90	Oct-90	Jan-91	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	June-88	Oct-89	Jan-90	Apr-90	Jul-90	Oct-90	Jan-91
PURGEABLE HALOCARBONS	MCL																			
Chloromethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA		ND	ND	ND	ND	ND	3
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA		ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	0.53	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA			ND	ND	ND	ND	ND
1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA			ND	ND	ND	ND	ND
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA			ND	ND	ND	ND	ND
PURGEABLE AROMATICS																				
Benzene	1	ND	ND	ND	ND	ND	ND	ND	1.4	ND	ND	ND	NA	ND	ND	ND	0.5	ND	ND	ND
Toluene	1000#	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.6	ND	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	0.3	ND	ND	ND
Total Xylenes	1750**	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA		ND	0.6	2	ND	ND	ND
TOTAL VOCs		1.4	0	0	0	0.53	0	0	1.4	0	0	0	0	0	0	0.6	3.4	0	0	3
HYDROCARBONS																				
TVH-g		< 50	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	<50	<50	<50	<50	<50
TEPH-d		140	68	90	< 50	< 200	< 50	650	670	410	410	620	NA	< 1000	< 1000	150	210	150	150	<50
O&G		NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	< 5000	< 5000	NA	NA	NA	NA	NA
TPH (418.1)		< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	< 5000	< 5000
METALS																				
Lead	50					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-Dichloroprope
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)

Well ID		OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-4	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-5	OW-3	OW-3	OW-3
Date		Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Apr-91	Jul-91	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93	Apr-88	June-88	Oct-89
PURGEABLE HALOCARBONS	MCL																			
Chloromethane		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	5#	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	6.1	9.4	ND	7	4	4	3	NA	1.8	7.2	ND	4	8	13	5	6	4	5	28
cis-1,2-Dichloroethene	6	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND			ND
trans-1,2-Dichloroethene	10	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND
Chloroform	100#*	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND
Freon 113	1200	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND			ND
1,2-Dichloroethane	0.5	0.49	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	ND	ND	NA	6	26	18	12	25	28	7	7	ND	ND	ND
Carbon Tetrachloride	0.5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	ND	ND	ND	NA	0.75	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	32	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,3-Dichloropropene	5***	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND	ND	ND	NA	0.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND
1,3-Dichlorobenzene		ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND			
1,2-Dichlorobenzene	600#	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND			
1,4-Dichlorobenzene	5	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND			
PURGEABLE AROMATICS																				
Benzene	1	ND	ND	ND	ND	ND	ND	ND	NA	14	20	11	15	11	13	26	14	ND	ND	ND
Toluene	1000#	ND	ND	ND	ND	ND	ND	ND	NA	0.54	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	680	ND	ND	ND	ND	ND	ND	ND	NA	0.58	ND	ND	0.6	ND	ND	0.7	ND	ND	ND	ND
Total Xylenes	1750**	ND	ND	ND	0.7	ND	ND	ND	NA	5.6	4	6.9	5.1	6	3.6	13	2.4			ND
TOTAL VOCs		6.59	9.4	0	7.7	4	4	3	0	29.97	57.2	35.9	37.8	50	57.6	51.7	29.4	6	8	28
HYDROCARBONS																				
TVH-g		NA	NA	NA	< 50	< 50	< 50	< 50	NA	NA	NA	NA	120	270	160	350	140	NA	NA	NA
TEPH-d		580	< 50	2000	2100	620	1300	2100	1500	800	1500	1200	840	650	1000	1000	1600	< 1000	< 1000	< 1000
O&G		NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	< 5000	< 5000	5000
TPH (418.1)		< 500	NA	NA	NA	NA	NA	NA	NA	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																				
Lead	50	ND			ND	5	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-Dichloroprope
6) ND = Not Detected at or above MDL
7) Purgeable Halocarbons (EPA method 8010)
8) Purgeable Aromatics (EPA method 8020)

Well ID		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-7	OW-7	OW-7	OW-7	OW-7	OW-7
Date		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	Dec-91	Mar-92	Jul-92	Oct-92	Jan-93	Jul-93
PURGEABLE HALOCARBONS	MCL																			
Chloromethane		ND	ND	ND	ND	ND	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	ND	ND	ND
Vinyl chloride	0.5	ND	ND	ND	ND	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	ND	ND	ND
Methylene Chloride	5#	ND	9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	ND	ND
Trichlorofluoromethane	150	ND	ND	ND	ND	ND	0.82	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	ND	ND	ND
1,1-Dichloroethane	5	29	14	17	17	15	16	41	ND	1	2	2	10	23	ND	16	ND	ND	25	14
cis-1,2-Dichloroethene	6	ND	33	ND	1	1	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	100#*	ND	ND	ND	ND	ND	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	0.5	ND	ND	ND	ND	ND	0.55	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	200	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	10	18	10	460	29	60	530	73
Carbon Tetrachloride	0.5	ND	ND	ND	ND	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	ND	ND	ND
1,2-Dichloropropane	5	ND	ND	ND	ND	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	ND	ND	ND
Trichloroethylene	5	ND	ND	ND	ND	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	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	ND	ND	ND
Dibromochloromethane	100#*	ND	ND	ND	ND	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	ND	ND	ND
Bromoform	100#*	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethylene	5	ND	ND	ND	ND	ND	1.4	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	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	ND	ND	ND	ND	1	2.3	2	5.7	ND	ND	ND	ND	ND	10	ND	ND	8	ND	29
1,3-Dichlorobenzene		3	ND	2	2	1	3.3	ND	15	ND	ND	ND	ND	ND	460	130	420	330	170	540
1,2-Dichlorobenzene	600#	2	ND	1	1	1	2.3	ND	5.8	ND	ND	ND	ND	ND	120	22	95	77	33	470
1,4-Dichlorobenzene	5	2	ND	ND	2	1	3.1	ND	23	ND	ND	ND	ND	ND	440	120	400	290	160	110
PURGEABLE AROMATICS																				
Benzene	1	0.5	ND	ND	ND	ND	0.54	ND	ND	ND	ND	ND	ND	0.6	ND	0.8	1	1.4	0.6	1.5
Toluene	1000#	0.4	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	0.5	ND	ND	ND
Ethylbenzene	680	ND	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	0.5	ND	ND	ND
Total Xylenes	1750**	0.7	2.1	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	2.1	5	ND	ND	ND
TOTAL VOCs		37.6	59.4	20	23	20	32.81	43	51.5	1	2	2	20	42.7	1054	751.5	951	786.4	918.6	1237.5
HYDROCARBONS																				
TVH-g		< 50	52	< 50	< 50	< 50	NA	NA	NA	< 50	< 50	< 50	< 50	< 50	NA	700	1300	1400	720	1500
TEPH-d		440	470	450	130	1310	700	< 50	5500	4900	3500	3900	5300	3500	7100	4400	2800	3900	2300	4900
O&G		NA	NA	NA	NA	NA	NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	< 5000	< 5000	NA	NA	NA	NA
TPH (418.1)		< 5000	< 5000	< 5000	< 5000	< 5000	< 500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
METALS																				
Lead	50						ND			ND	ND	ND	ND			ND	ND	ND	ND	

Notes:

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2) # = EPA MCL
3) * = MCL for sum of four compounds
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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)

Well ID		OW-8
Date		Jul-93
PURGEABLE HALOCARBONS	MCL	
Chloromethane		NA
Bromomethane		NA
Vinyl chloride	0.5	NA
Chloroethane		NA
Methylene Chloride	5#	NA
Trichlorofluoromethane	150	NA
1,1-Dichloroethene	6	NA
1,1-Dichloroethane	5	NA
cis-1,2-Dichloroethene	6	NA
trans-1,2-Dichloroethene	10	NA
Chloroform	100#*	NA
Freon 113	1200	NA
1,2-Dichloroethane	0.5	NA
1,1,1-Trichloroethane	200	NA
Carbon Tetrachloride	0.5	NA
Bromodichloromethane	100#*	NA
1,2-Dichloropropane	5	NA
cis-1,3-Dichloropropene	5***	NA
Trichloroethylene	5	NA
1,1,2-Trichloroethane	32	NA
trans-1,3-Dichloropropene	5***	NA
Dibromochloromethane	100#*	NA
2-Chloroethylvinyl Ether		NA
Bromoform	100#*	NA
Tetrachloroethylene	5	NA
1,1,2,2-Tetrachloroethane	1	NA
Chlorobenzene	30	NA
1,3-Dichlorobenzene		NA
1,2-Dichlorobenzene	600#	NA
1,4-Dichlorobenzene	5	NA
PURGEABLE AROMATICS		
Benzene	1	NA
Toluene	1000#	NA
Ethylbenzene	680	NA
Total Xylenes	1750**	NA
TOTAL VOCs		0
HYDROCARBONS		
TVH-g		NA
TEPH-d		NA
O&G		NA
TPH (418.1)		NA
METALS		
Lead	50	17

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