

**SEMI-ANNUAL GROUNDWATER  
MONITORING REPORT**

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

**August 18, 2000**

**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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GENERAL CONSTRUCTION YARD  
4930 COLISEUM WAY  
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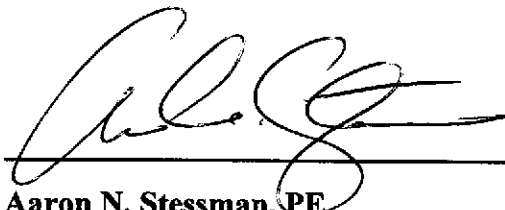
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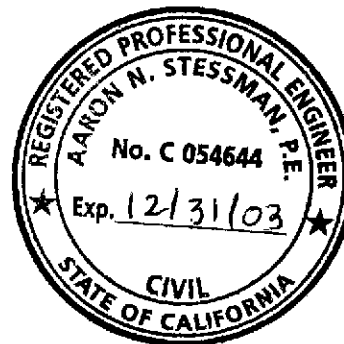
*Prepared by*

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

**August 18, 2000**



**Aaron N. Stessman, PE  
Principal Engineer**



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## 1.0 BACKGROUND

This report presents the results of semiannual groundwater monitoring and sampling completed in the second quarter of 2000 at the PG&E Distribution and Construction Yard at 4930 Coliseum Way in Oakland, California. A vicinity map is included as Figure 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 2000 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 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.

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 1000 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  $\mu\text{g/L}$  (April 1993) was reported in samples collected from OW-8, which is below the state Maximum Contaminant Level (MCL) of 50  $\mu\text{g/L}$  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 contamination in the groundwater, downgradient of the former AST. The locations of the new wells were approved by the ACHCSA.

On June 28, 2000, groundwater samples were collected by CSS Environmental Services, Inc. (CSS) personnel from monitoring wells OW-1, OW-2, OW-4, OW-5, OW-6, OW-7, and OW-8. 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 28, 2000 sampling event.

The groundwater samples collected from each well were selectively analyzed by Chromalab, Inc. Environmental Services (SDB), 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), lead (EPA method 6010A), and MTBE (EPA method 8260A) according to the analyses.

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	6/00 MTBE by 8260	TPH-G BTEX	EPA 8010 (VOCs)	Lead	Groundw ater Elevation
OW - 1	S	S	S	S			S
OW - 2						S	S
OW - 4	S	S	S	S			S
OW - 5	S	S	S	S	S	S	S
OW - 6	S	S	S	S	S		S
OW - 7	S	S	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 28, 2000. TPH-D was detected in three out of the four monitoring wells sampled for TPH-D and the highest concentration was observed in well OW-7. TPH-G was detected in two out of the four monitoring wells sampled for TPH-G. The highest concentration of TPH-G was observed in monitoring well OW-1.

**Table 3.1 Petroleum Hydrocarbons in Groundwater, in mg/L**

Well	TPH-D	TPH-G
OW - 1	0.350	0.880
OW - 4	NA	NA
OW - 5	ND	ND
OW - 6	0.066	ND
OW - 7	0.430	0.560

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 1999), this quarter's results show a decrease in TPH-D concentrations in all wells and are at or near their lowest TPH-D concentrations to date. Well OW-4 has been inaccessible for sampling over the past four 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.

Well OW-7's current TPH-G concentration of 560 µg/L is the lowest observed to date. 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 concentrations for OW-1 is 880 µg/L. Relative to the previous sampling results, TPH-G concentrations decreased in all wells relative to the previous monitoring event. Current sampling results were non-detect for well OW-5.

**3.2 LEAD**

Table 3.2 presents the results of this quarter's groundwater analyses for lead. The state MCL for lead in drinking water is 50 µg/L. Samples were collected and analyzed for dissolved lead (filtered) in June of 2000. During this quarter's event, lead was not detected in the monitoring wells that were sampled for lead. Historically, all samples show concentrations below the 50 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	50	3.0	ND
OW-5	50	3.0	ND
OW-8	50	3.0	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

### 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: 1,4-Dichlorobenzene (1,4-DCB) in monitoring wells OW-6 and OW-7 at concentrations of 11 µg/L and 310 µg/L respectively, and Benzene in well OW-5 at a concentration of 6.3 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;
- Benzene in well OW-1, OW-5, OW-7.

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 8.5 µg/L, 15.4 µg/L, and 592 µg/L, respectively. Total VOC concentrations relative to the previous sampling event decreased for each well. 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 or northeast from neighboring properties onto the PG&E site. This demonstrates that VOCs may be migrating onto the PG&E site from an upgradient source.

#### 4.0 GROUNDWATER FLOW DIRECTION

Water level measurements in the site monitoring wells were collected on June 28, 2000, 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 28, 2000 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 0.008 ft/ft to the south. The flow direction is consistent with those observed since monitoring began in 1988. The gradient value is slightly higher 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.

## 5.0 CAP INSPECTION

The cap will be inspected again by CSS prior to the next semi-annual report.

## 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 28, 2000 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 0.008 ft/ft is slightly higher than that normally observed.
- TPH-D was detected in wells OW-1, OW-6 and OW-7 above the reporting limit of 50 µg/L, however the concentrations are at or near their lowest concentrations to date. The highest concentration was found in well OW-7 at 430 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. TPH-D in groundwater has no regulatory action limits but is being assessed on a case-by-case basis.
- Monitoring wells OW-1, and OW-7 had TPH-G concentrations of 880 and 560 µg/L, respectively. TPH-G was not detected in well OW-5 or 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.
- Soluble lead concentrations were not detected in monitoring wells OW-2, OW-5 and OW-8. The MCL for lead in drinking water is 50 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 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 each of these wells decreased this quarter relative to the previous sampling event.

- The following VOC's were detected above their MCL:  
  
1,4-Dichlorobenzene in monitoring wells OW-6 and OW-7;  
Benzene in well OW-5.
  
- The following detected VOCs were 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;  
Benzene in well OW-1, OW-5, OW-7.

## 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.

Rwaco/  
City of Oak  
?  
DTSC

***APPENDIX A***

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**Sample Collection Records  
Certified Laboratory Results**





CSS ENVIRONMENTAL SERVICES, INC.

## ***APPENDIX B***

### **Historical Monitoring Data**

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CSS ENVIRONMENTAL SERVICES, INC.

## ***APPENDIX C***

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**Figures**



CSS ENVIRONMENTAL SERVICES, INC.

# ***APPENDIX A***

---

## **Sample Collection Records Certified Laboratory Results**

Project: Coliseum Way - PG+E Job No.: 6118  
 Subject: FIELD INVESTIGATION DAILY REPORT Date: 6-28-00  
 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)

- 1030 - Load truck. Drive to PG+E Oakland
- 1115 - on-site PG+E. called John Robinson and left a numeric page. Set-up
- 1130 - Locate + open all wells  
 OW-4 is covered by a storage container (#14)
- 1230 - Start  $\nabla$  level meas. (see attached sheet)
- 1250 - Calculate well volumes.
- 1300 - Start to purge  $\approx$  6.7 gal. from OW-1
- 1310 - Meas Temp., Cond. + pH (see attached sheet)
- 1320 - Sampled OW-1. TPH-g/BTEX; MTBE
- 1325 - " " . TPH-d
- 1335 - off-site to get Ice
- 1350 - Start to purge 7.5 gal. from OW-2.
- 1405 - Meas. Temp., Cond. + pH (see attached sheet)
- 1415 - Sampled OW-2. Lead
- 1420 - Start to purge  $\approx$  7 gal. from OW-3
- 1435 - Meas. Temp., Cond. + pH. (see attached sheet)
- 1445 - Sampled OW-3. Lead
- 1455 - Start to purge  $\approx$  7.0 gal. from OW-5.
- 1510 - Meas. Temp., Cond + pH. (see attached sheet)
- 1520 - Sampled OW-5. TPH-g/BTEX; MTBE; VOC's
- 1527 - " " . TPH-d
- 1529 - " " . Lead
- 1540 - Start to purge  $\approx$  6.3 gal from OW-6
- 1550 - Meas. Temp., Cond. + pH. (see attached sheet)
- 1600 - Sampled OW-6. TPH-g/BTEX; MTBE; VOC's
- 1608 - " " . TPH-d
- 1615 - Start to purge  $\approx$  5.7 gal. from OW-7
- 1625 - Meas. Temp., Cond. + pH. (see attached sheet)

Attachments:

(over)

Initial

Project: Coliseum Way - PG+E

Job No.: 6118

Subject: FIELD INVESTIGATION DAILY REPORT

Date: 6-28-00

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)

1635 - Sampled OW-7. TPH-g/BTEX; MTBE; VOC's

1642 - " " , TPH-d

1645 - Clean-up, seal and label drum

- Spoke with John Robinson and told him OW-4 was covered. He said it has been covered, but he wanted to cut a hole in the bottom of the trailer so we had access.

1700 - off-site

6-29-00

0830 - Drive to CSS to drop off samples

0900 - Arrive @ CSS. Relinquish samples

Attachments:

Initial

RECORD OF GROUNDWATER LEVEL MEASUREMENTS

Page 1 of 1

Date Measured: 6 - 28 - 00 Job No.: \_\_\_\_\_

Site Location: PG+E Distribution Construction Site

Well location map attached? Yes  No \_\_\_\_\_

Method of Measurement:  Electric well sounder,

Other: \_\_\_\_\_

Weather/Visibility: Warm, Sunny, Clear

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	1241	4.03	4.03	17.98	2"
OW-2	1230	4.36	4.36	20.11	2"
OW-4	_____	_____	_____	_____	Covered by Storage Container #14
OW-5	1237	4.45	4.45	18.94	2"
OW-6	1245	4.81	4.81	17.86	2"
OW-7	1249	6.21	6.21	18.19	2"
OW-8	1233	3.17	3.17	17.76	2"

Measured by (Signature): Julia L. DeBelleis















**CSS Environmental Services**

95 Belvedere Street, Suite 2  
San Rafael, CA 94901

Attn.: Mr. Aaron Stessman

Dear Mr. Stessman,

Attached is our report for your samples received on Thursday June 29, 2000  
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 July 29, 2000  
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](mailto:gcook@chromalab.com)

Sincerely,



Gary Cook

Halogenated Volatile Organic Compounds

<b>CSS Environmental Services</b>	☒ 95 Belvedere Street, Suite 2 San Rafael, CA 94901
Attn: Aaron Stessman	Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118	Project:

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-5	Water	06/28/2000 15:20	3
OW-6	Water	06/28/2000 16:00	4
OW-7	Water	06/28/2000 16:35	5

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8010

Attn.: Aaron Stessman

Prep Method: 5030

## Halogenated Volatile Organic Compounds

Sample ID: <b>OW-5</b>	Lab Sample ID: <b>2000-06-0593-003</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 15:20	Extracted: 07/07/2000 00:16
Matrix: Water	QC-Batch: 2000/07/06-01.25

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	07/07/2000 00:16	
Vinyl chloride	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Chloroethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Methylene chloride	ND	5.0	ug/L	1.00	07/07/2000 00:16	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,1-Dichloroethane	2.2	0.50	ug/L	1.00	07/07/2000 00:16	
Chloroform	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Trichloroethene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	07/07/2000 00:16	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Chlorobenzene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Bromoform	ND	2.0	ug/L	1.00	07/07/2000 00:16	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,3-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,4-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/07/2000 00:16	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	07/07/2000 00:16	
Chloromethane	ND	1.0	ug/L	1.00	07/07/2000 00:16	
Bromomethane	ND	1.0	ug/L	1.00	07/07/2000 00:16	
<b>Surrogate(s)</b>						
1-Chloro-2-fluorobenzene	78.6	50-150	%	1.00	07/07/2000 00:16	

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: CSS Environmental Services

Test Method: 8010

Attn.: Aaron Stessman

Prep Method: 5030

## Halogenated Volatile Organic Compounds

Sample ID: <b>OW-6</b>	Lab Sample ID: <b>2000-06-0593-004</b>
Project: 6118	Received: 06/29/2000 18:43
	Extracted: 07/06/2000 21:38
Sampled: 06/28/2000 16:00	QC-Batch: 2000/07/06-01.25
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	1.00	07/06/2000 21:38	
Vinyl chloride	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Chloroethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Trichlorofluoromethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,1-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Methylene chloride	ND	5.0	ug/L	1.00	07/06/2000 21:38	
trans-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
cis-1,2-Dichloroethene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,1-Dichloroethane	1.4	0.50	ug/L	1.00	07/06/2000 21:38	
Chloroform	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,1,1-Trichloroethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Carbon tetrachloride	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,2-Dichloroethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Trichloroethene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,2-Dichloropropane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Bromodichloromethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
2-Chloroethylvinyl ether	ND	0.50	ug/L	1.00	07/06/2000 21:38	
trans-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
cis-1,3-Dichloropropene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,1,2-Trichloroethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Tetrachloroethene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Dibromochloromethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Chlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Bromoform	ND	2.0	ug/L	1.00	07/06/2000 21:38	
1,1,2,2-Tetrachloroethane	ND	0.50	ug/L	1.00	07/06/2000 21:38	
1,3-Dichlorobenzene	3.0	0.50	ug/L	1.00	07/06/2000 21:38	
1,4-Dichlorobenzene	11	0.50	ug/L	1.00	07/06/2000 21:38	
1,2-Dichlorobenzene	ND	0.50	ug/L	1.00	07/06/2000 21:38	
Trichlorotrifluoroethane	ND	2.0	ug/L	1.00	07/06/2000 21:38	
Chloromethane	ND	1.0	ug/L	1.00	07/06/2000 21:38	
Bromomethane	ND	1.0	ug/L	1.00	07/06/2000 21:38	
<b>Surrogate(s)</b>						
1-Chloro-2-fluorobenzene	68.4	50-150	%	1.00	07/06/2000 21:38	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8010

Attn.: Aaron Stessman

Prep Method: 5030

## Halogenated Volatile Organic Compounds

Sample ID: <b>OW-7</b>	Lab Sample ID: <b>2000-06-0593-005</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:35	Extracted: 07/06/2000 20:45
Matrix: Water	QC-Batch: 2000/07/06-01.25
Sample/Analysis Flag o ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Dichlorodifluoromethane	ND	10	ug/L	10.00	07/06/2000 20:45	
Vinyl chloride	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Chloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Trichlorofluoromethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,1-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Methylene chloride	ND	50	ug/L	10.00	07/06/2000 20:45	
trans-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
cis-1,2-Dichloroethene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,1-Dichloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Chloroform	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,1,1-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Carbon tetrachloride	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,2-Dichloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Trichloroethene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,2-Dichloropropane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Bromodichloromethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
2-Chloroethylvinyl ether	ND	5.0	ug/L	10.00	07/06/2000 20:45	
trans-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
cis-1,3-Dichloropropene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,1,2-Trichloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Tetrachloroethene	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Dibromochloromethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
Chlorobenzene	18	5.0	ug/L	10.00	07/06/2000 20:45	
Bromoform	ND	20	ug/L	10.00	07/06/2000 20:45	
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	10.00	07/06/2000 20:45	
1,3-Dichlorobenzene	220	5.0	ug/L	10.00	07/06/2000 20:45	
1,4-Dichlorobenzene	310	5.0	ug/L	10.00	07/06/2000 20:45	
1,2-Dichlorobenzene	44	5.0	ug/L	10.00	07/06/2000 20:45	
Trichlorotrifluoroethane	ND	20	ug/L	10.00	07/06/2000 20:45	
Chloromethane	ND	10	ug/L	10.00	07/06/2000 20:45	
Bromomethane	ND	10	ug/L	10.00	07/06/2000 20:45	
<b>Surrogate(s)</b>						
1-Chloro-2-fluorobenzene	74.3	50-150	%	1.00	07/06/2000 20:45	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: CSS Environmental Services

Test Method: 8010

Attn.: Aaron Stessman

Prep Method: 5030

## Batch QC Report

Halogenated Volatile Organic Compounds

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/06-01.25</b>
MB: 2000/07/06-01.25-001		Date Extracted: 07/06/2000 09:06

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Dichlorodifluoromethane	ND	1.0	ug/L	07/06/2000 09:06	
Vinyl chloride	ND	0.5	ug/L	07/06/2000 09:06	
Chloroethane	ND	0.5	ug/L	07/06/2000 09:06	
Trichlorofluoromethane	ND	0.5	ug/L	07/06/2000 09:06	
1,1-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:06	
Methylene chloride	ND	5.0	ug/L	07/06/2000 09:06	
trans-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:06	
cis-1,2-Dichloroethene	ND	0.5	ug/L	07/06/2000 09:06	
1,1-Dichloroethane	ND	0.5	ug/L	07/06/2000 09:06	
Chloroform	ND	0.5	ug/L	07/06/2000 09:06	
1,1,1-Trichloroethane	ND	0.5	ug/L	07/06/2000 09:06	
Carbon tetrachloride	ND	0.5	ug/L	07/06/2000 09:06	
1,2-Dichloroethane	ND	0.5	ug/L	07/06/2000 09:06	
Trichloroethene	ND	0.5	ug/L	07/06/2000 09:06	
1,2-Dichloropropane	ND	0.5	ug/L	07/06/2000 09:06	
Bromodichloromethane	ND	0.5	ug/L	07/06/2000 09:06	
2-Chloroethylvinyl ether	ND	0.5	ug/L	07/06/2000 09:06	
trans-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2000 09:06	
cis-1,3-Dichloropropene	ND	0.5	ug/L	07/06/2000 09:06	
1,1,2-Trichloroethane	ND	0.5	ug/L	07/06/2000 09:06	
Tetrachloroethene	ND	0.5	ug/L	07/06/2000 09:06	
Dibromochloromethane	ND	0.5	ug/L	07/06/2000 09:06	
Chlorobenzene	ND	0.5	ug/L	07/06/2000 09:06	
Bromoform	ND	2.0	ug/L	07/06/2000 09:06	
1,1,2,2-Tetrachloroethane	ND	0.5	ug/L	07/06/2000 09:06	
1,3-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:06	
1,4-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:06	
1,2-Dichlorobenzene	ND	0.5	ug/L	07/06/2000 09:06	
Trichlorotrifluoroethane	ND	2.0	ug/L	07/06/2000 09:06	
Chloromethane	ND	1.0	ug/L	07/06/2000 09:06	
Bromomethane	ND	1.0	ug/L	07/06/2000 09:06	
<b>Surrogate(s)</b>					
1-Chloro-2-fluorobenzene	73.5	50-150	%	07/06/2000 09:06	

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To: **CSS Environmental Services**

Test Method: 8010

Attn: Aaron Stessman

Prep Method: 5030

**Batch QC Report**

Halogenated Volatile Organic Compounds

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/07/06-01.25</b>
LCS: 2000/07/06-01.25-002	Extracted: 07/06/2000 10:00	Analyzed 07/06/2000 10:00
LCSD: 2000/07/06-01.25-003	Extracted: 07/06/2000 10:54	Analyzed 07/06/2000 10:54

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	17.1	17.3	20.0	20.0	85.5	86.5	1.2	50-140	20		
Trichloroethene	18.1	18.4	20.0	20.0	90.5	92.0	1.6	50-150	20		
Chlorobenzene	18.2	18.2	20.0	20.0	91.0	91.0	0.0	50-150	20		
<b>Surrogate(s)</b>											
1-Chloro-2-fluorobenzene	16.6	16.5	20	20	83.0	82.5		50-150			

To: **CSS Environmental Services**

Test Method: 8010

Attn.: Aaron Stessman

Prep Method: 5030

**Batch QC Report**

Halogenated Volatile Organic Compounds

<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2000/07/06-01.25</b>
Sample ID: <b>OW-5</b>		Lab Sample ID: 2000-06-0593-003
MS: 2000/07/06-01.25-004	Extracted: 07/06/2000 22:31	Analyzed: 07/06/2000 22:31 Dilution: 1.0
MSD: 2000/07/06-01.25-005	Extracted: 07/06/2000 23:23	Analyzed: 07/06/2000 23:23 Dilution: 1.0

Compound	Conc. [ ug/L ]			Exp. Conc. [ ug/L ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
1,1-Dichloroethene	17.0	18.0	ND	20.0	20.0	85.0	90.0	5.7	50-140	20		
Trichloroethene	18.3	19.4	ND	20.0	20.0	91.5	97.0	5.8	50-150	20		
Chlorobenzene	17.4	19.0	ND	20.0	20.0	87.0	95.0	8.8	50-150	20		
<b>Surrogate(s)</b>												
1-Chloro-2-fluorobenzen	16.8	17.7		20	20	84.0	88.5		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.

MTBE - Volatile Organics by GC/MS

**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:

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	06/28/2000 13:20	1
OW-5	Water	06/28/2000 15:20	3
OW-6	Water	06/28/2000 16:00	4
OW-7	Water	06/28/2000 16:35	5

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 8260A  
Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>OW-1</b>	Lab Sample ID: <b>2000-06-0593-001</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 13:20	Extracted: 07/10/2000 16:25
Matrix: Water	QC-Batch: 2000/07/09-02.27
Sample/Analysis Flag Irr ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	25	ug/L	5.00	07/10/2000 16:25	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	93.5	76-114	%	1.00	07/10/2000 16:25	

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 8260A  
Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>OW-5</b>	Lab Sample ID: <b>2000-06-0593-003</b>
Project: 6118	Received: 06/29/2000 18:43
	Extracted: 07/10/2000 16:54
Sampled: 06/28/2000 15:20	QC-Batch: 2000/07/09-02.27
Matrix: Water	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	07/10/2000 16:54	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	96.9	76-114	%	1.00	07/10/2000 16:54	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8260A

Attn.: Aaron Stessman

Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>OW-6</b>	Lab Sample ID: <b>2000-06-0593-004</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:00	Extracted: 07/10/2000 17:25
Matrix: Water	QC-Batch: 2000/07/09-02.27

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	5.0	ug/L	1.00	07/10/2000 17:25	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	95.9	76-114	%	1.00	07/10/2000 17:25	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 8260A  
Prep Method: 5030

MTBE - Volatile Organics by GC/MS

Sample ID: <b>OW-7</b>	Lab Sample ID: <b>2000-06-0593-005</b>
Project: 6118	Received: 06/29/2000 18:43
	Extracted: 07/10/2000 17:59
Sampled: 06/28/2000 16:35	QC-Batch: 2000/07/09-02.27
Matrix: Water	
Sample/Analysis Flag Im ( See Legend & Note section )	

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
MTBE	ND	10	ug/L	2.00	07/10/2000 17:59	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	95.5	76-114	%	1.00	07/10/2000 17:59	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8260A

Attn.: Aaron Stessman

Prep Method: 5030

## Batch QC Report

MTBE - Volatile Organics by GC/MS

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/09-02.27</b>
MB: 2000/07/09-02.27-001		Date Extracted: 07/09/2000 23:26

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Methyl tert-butyl ether (MTBE)	ND	5.0	ug/L	07/09/2000 23:26	
<b>Surrogate(s)</b> 1,2-Dichloroethane-d4	95.8	76-114	%	07/09/2000 23:26	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 8260A  
Prep Method: 5030

## Batch QC Report

MTBE - Volatile Organics by GC/MS

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/07/09-02.27</b>
LCS: 2000/07/09-02.27-002	Extracted: 07/09/2000 22:21	Analyzed 07/09/2000 22:21
LCSD: 2000/07/09-02.27-003	Extracted: 07/09/2000 22:53	Analyzed 07/09/2000 22:53

Compound	Conc. [ ug/L ]		Exp.Conc. [ ug/L ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Methyl tert-butyl ether	52.5	53.7	50.0	50.0	105.0	107.4	2.3	65-165	20		
<b>Surrogate(s)</b>											
1,2-Dichloroethane-d4	485	512	500	500	97.0	102.4		76-114			

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

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

Test Method: 8260A  
Prep Method: 5030

## Legend & Notes

MTBE - Volatile Organics by GC/MS

### Analysis Flags

lm

Reporting limits raised due to high level of non-target analyte materials.

Diesel with Silica Gel Clean-up

<b>CSS Environmental Services</b>	✉ 95 Belvedere Street, Suite 2 San Rafael, CA 94901
Attn: Aaron Stessman	Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118	Project:

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	06/28/2000 13:20	1
OW-5	Water	06/28/2000 15:20	3
OW-6	Water	06/28/2000 16:00	4
OW-7	Water	06/28/2000 16:35	5

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

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

Diesel with Silica Gel Clean-up

Sample ID: <b>OW-1</b>	Lab Sample ID: <b>2000-06-0593-001</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 13:20	Extracted: 07/10/2000 09:32
Matrix: Water	QC-Batch: 2000/07/10-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	350	50	ug/L	1.00	07/12/2000 07:26	nhc
<b>Surrogate(s)</b> o-Terphenyl	76.9	60-130	%	1.00	07/12/2000 07:26	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

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

Diesel with Silica Gel Clean-up

Sample ID: <b>OW-5</b>	Lab Sample ID: <b>2000-06-0593-003</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 15:20	Extracted: 07/10/2000 09:32
Matrix: Water	QC-Batch: 2000/07/10-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	ND	50	ug/L	1.00	07/12/2000 08:06	
<b>Surrogate(s)</b> o-Terphenyl	92.4	60-130	%	1.00	07/12/2000 08:06	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Attn.: Aaron Stessman

Test Method: 8015m

Prep Method: 3510/8015M

Diesel with Silica Gel Clean-up

Sample ID: <b>OW-6</b>	Lab Sample ID: <b>2000-06-0593-004</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:00	Extracted: 07/10/2000 09:32
Matrix: Water	QC-Batch: 2000/07/10-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	66	50	ug/L	1.00	07/12/2000 08:45	ldr
<b>Surrogate(s)</b> o-Terphenyl	78.4	60-130	%	1.00	07/12/2000 08:45	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8015m

Attn.: Aaron Stessman

Prep Method: 3510/8015M

Diesel with Silica Gel Clean-up

Sample ID: <b>OW-7</b>	Lab Sample ID: <b>2000-06-0593-005</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:35	Extracted: 07/10/2000 09:32
Matrix: Water	QC-Batch: 2000/07/10-01.10

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Diesel	430	50	ug/L	1.00	07/12/2000 17:11	nhc
<b>Surrogate(s)</b> o-Terphenyl	86.2	60-130	%	1.00	07/12/2000 17:11	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

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

**Batch QC Report**  
Diesel with Silica Gel Clean-up

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/10-01.10</b>
MB: 2000/07/10-01.10-001		Date Extracted: 07/10/2000 09:32

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Diesel	ND	50	ug/L	07/11/2000 13:37	
<b>Surrogate(s)</b> o-Terphenyl	90.5	60-130	%	07/11/2000 13:37	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: CSS Environmental Services

Test Method: 8015m

Attn: Aaron Stessman

Prep Method: 3510/8015M

## Batch QC Report

Diesel with Silica Gel Clean-up

Laboratory Control Spike (LCS/LCSD)		Water		QC Batch # 2000/07/10-01.10	
LCS:	2000/07/10-01.10-002	Extracted:	07/10/2000 09:32	Analyzed	07/11/2000 15:55
LCSD:	2000/07/10-01.10-003	Extracted:	07/10/2000 09:32	Analyzed	07/11/2000 16:30

Compound	Conc. [ ug/L ]		Exp. Conc. [ ug/L ]		Recovery [%]		RPD	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Diesel	969	1100	1250	1250	77.5	88.0	12.7	60-130	25		
<b>Surrogate(s)</b>											
o-Terphenyl	21.2	21.8	20.0	20.0	106.0	109.0		60-130			

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
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To: **CSS Environmental Services**

Attn: Aaron Stessman

Test Method: 8015m

Prep Method: 3510/8015M

## Legend & Notes

Diesel with Silica Gel Clean-up

### Analyte Flags

ldr

Hydrocarbon reported is in the late Diesel range, and does not match our Diesel standard

nhc

Compounds reported are in this range but they do not exhibit a pattern characteristic of petroleum hydrocarbon.

Gas/BTEX

<b>CSS Environmental Services</b>	<input checked="" type="checkbox"/>	95 Belvedere Street, Suite 2 San Rafael, CA 94901
Attn: Aaron Stessman		Phone: (415) 457-9551 Fax: (415) 457-9261
Project #: 6118	Project:	

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-1	Water	06/28/2000 13:20	1
OW-5	Water	06/28/2000 15:20	3
OW-6	Water	06/28/2000 16:00	4
OW-7	Water	06/28/2000 16:35	5

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: CSS Environmental Services

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

Gas/BTEX

Sample ID: OW-1	Lab Sample ID: 2000-06-0593-001
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 13:20	Extracted: 07/03/2000 18:52
Matrix: Water	QC-Batch: 2000/07/03-01.05

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	880	50	ug/L	1.00	07/03/2000 18:52	g
Benzene	ND	0.50	ug/L	1.00	07/03/2000 18:52	
Toluene	ND	0.50	ug/L	1.00	07/03/2000 18:52	
Ethyl benzene	ND	0.50	ug/L	1.00	07/03/2000 18:52	
Xylene(s)	ND	0.50	ug/L	1.00	07/03/2000 18:52	
<b>Surrogate(s)</b>						
Trifluorotoluene	104.6	58-124	%	1.00	07/03/2000 18:52	
4-Bromofluorobenzene-FID	81.6	50-150	%	1.00	07/03/2000 18:52	

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

Gas/BTEX

Sample ID: <b>OW-5</b>	Lab Sample ID: <b>2000-06-0593-003</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 15:20	Extracted: 07/03/2000 19:23
Matrix: Water	QC-Batch: 2000/07/03-01.05

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/03/2000 19:23	
Benzene	6.3	0.50	ug/L	1.00	07/03/2000 19:23	
Toluene	ND	0.50	ug/L	1.00	07/03/2000 19:23	
Ethyl benzene	ND	0.50	ug/L	1.00	07/03/2000 19:23	
Xylene(s)	ND	0.50	ug/L	1.00	07/03/2000 19:23	
<b>Surrogate(s)</b>						
Trifluorotoluene	74.3	58-124	%	1.00	07/03/2000 19:23	
4-Bromofluorobenzene-FID	80.9	50-150	%	1.00	07/03/2000 19:23	

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Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

Gas/BTEX

Sample ID: <b>OW-6</b>	Lab Sample ID: <b>2000-06-0593-004</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:00	Extracted: 07/03/2000 19:55
Matrix: Water	QC-Batch: 2000/07/03-01.05

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	ND	50	ug/L	1.00	07/03/2000 19:55	
Benzene	ND	0.50	ug/L	1.00	07/03/2000 19:55	
Toluene	ND	0.50	ug/L	1.00	07/03/2000 19:55	
Ethyl benzene	ND	0.50	ug/L	1.00	07/03/2000 19:55	
Xylene(s)	ND	0.50	ug/L	1.00	07/03/2000 19:55	
<b>Surrogate(s)</b>						
Trifluorotoluene	79.4	58-124	%	1.00	07/03/2000 19:55	
4-Bromofluorobenzene-FID	79.7	50-150	%	1.00	07/03/2000 19:55	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

Gas/BTEX

Sample ID: <b>OW-7</b>	Lab Sample ID: <b>2000-06-0593-005</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 16:35	Extracted: 07/03/2000 20:26
Matrix: Water	QC-Batch: 2000/07/03-01.05

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Gasoline	560	50	ug/L	1.00	07/03/2000 20:26	g
Benzene	ND	0.50	ug/L	1.00	07/03/2000 20:26	
Toluene	ND	0.50	ug/L	1.00	07/03/2000 20:26	
Ethyl benzene	ND	0.50	ug/L	1.00	07/03/2000 20:26	
Xylene(s)	ND	0.50	ug/L	1.00	07/03/2000 20:26	
<b>Surrogate(s)</b>						
Trifluorotoluene	83.1	58-124	%	1.00	07/03/2000 20:26	
4-Bromofluorobenzene-FID	81.6	50-150	%	1.00	07/03/2000 20:26	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: CSS Environmental Services

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

## Batch QC Report Gas/BTEX

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/03-01.05</b>
MB: 2000/07/03-01.05-001		Date Extracted: 07/03/2000 08:53

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Gasoline	ND	50	ug/L	07/03/2000 08:53	
Benzene	ND	0.5	ug/L	07/03/2000 08:53	
Toluene	ND	0.5	ug/L	07/03/2000 08:53	
Ethyl benzene	ND	0.5	ug/L	07/03/2000 08:53	
Xylene(s)	ND	0.5	ug/L	07/03/2000 08:53	
<b>Surrogate(s)</b>					
Trifluorotoluene	103.2	58-124	%	07/03/2000 08:53	
4-Bromofluorobenzene-FID	77.6	50-150	%	07/03/2000 08:53	

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# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8020  
8015M

Attn: Aaron Stessman

Prep Method: 5030

## Batch QC Report

Gas/BTEX

### Laboratory Control Spike (LCS/LCSD)

Water

QC Batch # 2000/07/03-01.05

LCS: 2000/07/03-01.05-002

Extracted: 07/03/2000 09:25

Analyzed 07/03/2000 09:25

LCSD: 2000/07/03-01.05-003

Extracted: 07/03/2000 09:56

Analyzed 07/03/2000 09:56

Compound	Conc. [ ug/L ]		Exp.Conc. [ ug/L ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Gasoline	562	526	500	500	112.4	105.2	6.6	75-125	20		
Benzene	104	93.9	100.0	100.0	104.0	93.9	10.2	77-123	20		
Toluene	101	90.1	100.0	100.0	101.0	90.1	11.4	78-122	20		
Ethyl benzene	102	92.5	100.0	100.0	102.0	92.5	9.8	70-130	20		
Xylene(s)	291	268	300	300	97.0	89.3	8.3	75-125	20		
<b>Surrogate(s)</b>											
Trifluorotoluene	478	419	500	500	95.6	83.8		58-124			
4-Bromofluorobenzene-FI	422	415	500	500	84.4	83.0		50-150			

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 8020  
8015M

Attn.: Aaron Stessman

Prep Method: 5030

## Batch QC Report

Gas/BTEX

<b>Matrix Spike ( MS / MSD )</b>	<b>Water</b>	<b>QC Batch # 2000/07/03-01.05</b>
Sample ID: <b>OW-6</b>		Lab Sample ID: 2000-06-0593-004
MS: 2000/07/03-01.05-004	Extracted: 07/04/2000 02:12	Analyzed: 07/04/2000 02:12 Dilution: 1.0
MSD: 2000/07/03-01.05-005	Extracted: 07/04/2000 02:44	Analyzed: 07/04/2000 02:44 Dilution: 1.0

Compound	Conc. [ug/L]			Exp.Conc. [ug/L]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	MS	MSD	Sample	MS	MSD	MS	MSD		Recovery	RPD	MS	MSD
Benzene	101	94.1	ND	100.0	100.0	101.0	94.1	7.1	65-135	20		
Toluene	97.6	89.9	ND	100.0	100.0	97.6	89.9	8.2	65-135	20		
Ethyl benzene	100	91.9	ND	100.0	100.0	100.0	91.9	8.4	65-135	20		
Xylene(s)	288	268	ND	300	300	96.0	89.3	7.2	65-135	20		
<b>Surrogate(s)</b>												
Trifluorotoluene	460	419		500	500	92.0	83.8		58-124			

1220 Quarry Lane \* Pleasanton, CA 94566-4756

Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **CSS Environmental Services**

Test Method: 8015M  
8020

Attn: Aaron Stessman

Prep Method: 5030

## Legend & Notes

Gas/BTEX

### Analyte Flags

g

Hydrocarbon reported in the gasoline range does not match our gasoline 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:

**Samples Reported**

Sample ID	Matrix	Date Sampled	Lab #
OW-2	Water	06/28/2000 14:15	2
OW-5	Water	06/28/2000 15:20	3
OW-8	Water	06/28/2000 14:45	6

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

To: **CSS Environmental Services**

Test Method: 6010B

Attn.: Aaron Stessman

Prep Method: 3005A

## Soluble Metals

Sample ID: <b>OW-2</b>	Lab Sample ID: <b>2000-06-0593-002</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 14:15	Extracted: 07/03/2000 08:43
Matrix: Water	QC-Batch: 2000/07/03-01.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2000 13:24	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096



# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 6010B  
Prep Method: 3005A

## Soluble Metals

Sample ID: <b>OW-5</b>	Lab Sample ID: <b>2000-06-0593-003</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 15:20	Extracted: 07/03/2000 08:43
Matrix: Water	QC-Batch: 2000/07/03-01.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2000 13:28	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 6010B  
Prep Method: 3005A

## Soluble Metals

Sample ID: <b>OW-8</b>	Lab Sample ID: <b>2000-06-0593-006</b>
Project: 6118	Received: 06/29/2000 18:43
Sampled: 06/28/2000 14:45	Extracted: 07/03/2000 08:43
Matrix: Water	QC-Batch: 2000/07/03-01.15

Compound	Result	Rep.Limit	Units	Dilution	Analyzed	Flag
Lead	ND	0.0050	mg/L	1.00	07/03/2000 13:32	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

# CHROMALAB, INC.

Environmental Services (SDB)

Submission #: 2000-06-0593

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

Test Method: 6010B  
Prep Method: 3005A

**Batch QC Report**  
Soluble Metals

<b>Method Blank</b>	<b>Water</b>	<b>QC Batch # 2000/07/03-01.15</b>
MB: 2000/07/03-01.15-032		Date Extracted: 07/03/2000 08:43

Compound	Result	Rep.Limit	Units	Analyzed	Flag
Lead	ND	0.0050	mg/L	07/03/2000 12:07	

1220 Quarry Lane \* Pleasanton, CA 94566-4756  
Telephone: (925) 484-1919 \* Facsimile: (925) 484-1096

To: **CSS Environmental Services**

Test Method: 6010B

Attn: Aaron Stessman

Prep Method: 3005A

### Batch QC Report

#### Soluble Metals

<b>Laboratory Control Spike (LCS/LCSD)</b>	<b>Water</b>	<b>QC Batch # 2000/07/03-01.15</b>
LCS: 2000/07/03-01.15-033	Extracted: 07/03/2000 08:43	Analyzed 07/03/2000 12:11
LCSD: 2000/07/03-01.15-034	Extracted: 07/03/2000 08:43	Analyzed 07/03/2000 12:15

Compound	Conc. [ mg/L ]		Exp.Conc. [ mg/L ]		Recovery [%]		RPD [%]	Ctrl. Limits [%]		Flags	
	LCS	LCSD	LCS	LCSD	LCS	LCSD		Recovery	RPD	LCS	LCSD
Lead	0.474	0.483	0.500	0.500	94.8	96.6	1.9	80-120	20		

# CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1221 Quarry Lane • Pleasanton, California 94566-1356  
 (925) 484-1919 • (925) 484-1056

**2000-06-0593**

Reference #: 50679

## Chain of Custody

DATE 6-28-00 PAGE 1 OF 2

PROJ. MGR Avron Stessman  
 COMPANY CSS Environmental  
 ADDRESS 95 Belvedere Suite 2  
San Rafael, CA

SAMPLERS (SIGNATURE) Jules L. Sibilio (PHONE NO.) (415) 485-5465  
 (FAX NO.)

### ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH-IEPA 8015, 8020 <input checked="" type="checkbox"/> Gas w/ <input checked="" type="checkbox"/> BTEX DMTBE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M) <u>Silicon Oil (Went)</u>	TEPH (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.O. <input type="checkbox"/> Other	PURGEABLE HALOCARBONS, (BYOCs) (EPA 8010)	VOLATILE ORGANICS (EPA 8260) <u>MTBE</u>	SEMIVOLATILES (EPA 8270)	Oil & Grease <input type="checkbox"/> Petrol <input type="checkbox"/> Total <input type="checkbox"/> 1664	PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD <u>+</u>	W.E.T. (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for H2O)	NUMBER OF CONTAINERS
OW-1	6-28-00	1320	H2O	HCl	X					X											6
OW-1		1325		None			X														1
OW-2		1415		None														X			1
OW-5		1520		HCl	X			X	X												9
OW-5		1527		None			X														1
OW-5		1529		None														X			1
OW-6		1600		HCl	X			X	X												9
OW-6	✓	1608	✓	None			X														1

PROJECT INFORMATION		SAMPLE RECEIPT			
PROJECT NAME:	TOTAL NO. OF CONTAINERS				
PROJECT NUMBER <u>6118</u>	HEAD SPACE				
P.O. #	TEMPERATURE <u>4.2°C</u>				
TAT	CONFORMS TO RECORD				
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 5-DAY		24	48	72	OTHER
SPECIAL INSTRUCTIONS/COMMENTS: Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> Electronic Report * Please see attached price quote. Filter lead sample prior to analysis					

RELINQUISHED BY 1.		RELINQUISHED BY 2.		RELINQUISHED BY 3.	
<u>Jules L. Sibilio</u> (SIGNATURE)	<u>0900</u> (TIME)			<u>[Signature]</u> (SIGNATURE)	<u>1843</u> (TIME)
<u>Jules L. Sibilio</u> (PRINTED NAME)	<u>6-28-00</u> (DATE)			<u>[Signature]</u> (PRINTED NAME)	<u>6/29/00</u> (DATE)
<u>CSS</u> (COMPANY)				<u>[Signature]</u> (COMPANY)	
RECEIVED BY 1.		RECEIVED BY 2.		RECEIVED BY (LABORATORY) 3.	
<u>[Signature]</u> (SIGNATURE)	<u>1225</u> (TIME)			<u>Denise Harrington</u> (SIGNATURE)	<u>1843</u> (TIME)
<u>[Signature]</u> (PRINTED NAME)	<u>6/29/00</u> (DATE)			<u>D. Harrington</u> (PRINTED NAME)	<u>1843</u> (DATE)
<u>[Signature]</u> (COMPANY)				<u>Chromalab</u> (LAB)	<u>6/29/00</u>

# CHROMALAB, INC.

Environmental Services (SDB) (DOHS 1094)

1220 Quarry Lane, Pleasanton, California 94566-4756

(925) 484-1999 Fax (925) 484-1096

Reference #: 20011  
**Chain of Custody**

**2000-06-0593**

DATE 6-28-00 PAGE 2 OF 2

PROJ. MGR Arnon Stessman  
 COMPANY CSS Environmental  
 ADDRESS 95 Belvedere, Suite 2  
San Rafael, CA

SAMPLERS (SIGNATURE) Jules L. Sibilio (PHONE NO.) (415) 845-3765  
 (FAX NO.)

### ANALYSIS REPORT

SAMPLE ID.	DATE	TIME	MATRIX	PRESERV.	TPH (EPA 8015, 8020) <input checked="" type="checkbox"/> Gas w/ <input checked="" type="checkbox"/> BTEX <input type="checkbox"/> DMTE	PURGEABLE AROMATICS BTEX (EPA 8020)	TPH-Diesel (EPA 8015M) <u>Silicone Oil</u>	TEPH (EPA 8015M) <input type="checkbox"/> Diesel <input type="checkbox"/> M.O. <input type="checkbox"/> Other	PURGEABLE HALOCARBONS, (HYOCs) (EPA 8010)	VOLATILE ORGANICS MIBK (EPA 8260) MIBE	SEMI-VOLATILES (EPA 8270) <u>Only</u>	Oil & Grease <input type="checkbox"/> Total <input type="checkbox"/> 1664	PESTICIDES (EPA 8080) <input type="checkbox"/> PCB'S (EPA 8080)	PNA's by <input type="checkbox"/> 8270 <input type="checkbox"/> 8310	Spec. Cond. <input type="checkbox"/> TSS <input type="checkbox"/> TDS	LUFT METALS: Cd, Cr, Pb, Ni, Zn	CAM 17 METALS (EPA 6010/7470/7471)	TOTAL LEAD <u>+ Filtration *</u>	W.E.T. (STLC) <input type="checkbox"/> TCLP	Hexavalent Chromium <input type="checkbox"/> pH (24 hr hold time for H2O)	NUMBER OF CONTAINERS
OW-7	6-28-00	1635	H <sub>2</sub> O	HCl	X				X	X											9
OW-7	↓	1642	↓	None			X														1
OW-8	↓	1445	↓	None														X			1

PROJECT INFORMATION		SAMPLE RECEIPT			
PROJECT NAME:		TOTAL NO. OF CONTAINERS			
PROJECT NUMBER <u>6118</u>		HEAD SPACE			
P.O. #		TEMPERATURE			
TAT	<input checked="" type="checkbox"/> STANDARD 5-DAY	CONFORMS TO RECORD			
		24	48	72	OTHER
SPECIAL INSTRUCTIONS/COMMENTS: Report: <input type="checkbox"/> Routine <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/> Level 4 <input type="checkbox"/> Electronic Report * Please see attached price quote Filter Lead sample prior to analysis					

RELINQUISHED BY 1.	RELINQUISHED BY 2.	RELINQUISHED BY 3.
<u>Jules L. Sibilio</u> 0900 (SIGNATURE) (TIME)		<u>[Signature]</u> 1842 (SIGNATURE) (TIME)
<u>Jules L. Sibilio</u> 6/29/00 (PRINTED NAME) (DATE)		<u>[Signature]</u> 6/29/00 (PRINTED NAME) (DATE)
<u>CSS</u> (COMPANY)		<u>[Signature]</u> (COMPANY)
RECEIVED BY 1.	RECEIVED BY 2.	RECEIVED BY (LABORATORY) 3.
<u>[Signature]</u> 1225 (SIGNATURE) (TIME)		<u>Denise Harrington</u> (SIGNATURE) (TIME)
<u>[Signature]</u> 6/29/00 (PRINTED NAME) (DATE)		<u>D. Harrington</u> 1843 (PRINTED NAME) (DATE)
<u>[Signature]</u> (COMPANY)		<u>Chromalab</u> 6/29/00 (LAB)

***APPENDIX B***

**Historical Monitoring Data**

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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	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	Nov-95	Jun-96	Oct-96	Apr.,Jun-97	Dec-97	Jun-98	Dec-98	Jun-99	Nov-99	Jun-00		

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	87	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	8	13	5	8	NA	2	NA	4	3.2	7.9	2.5	6.9	5.3	2.8	1	2.5	3	2.5	2.2	2.2	2.2
cis-1,2-Dichloroethene	8	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	280	6	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
Trichloroethane	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	0.8	ND	ND	ND
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	NA	NA	NA	NA	NA	NA	NA	NA
Bromoform	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
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	ND	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	8.3	8.3	
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	ND
Ethylbenzene	680	0.58	ND	ND	0.8	ND	ND	0.7	ND	NA	0.7	NA	0.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	1750**	5.8	4	6.9	5.1	6	3.6	13	2.4	NA	8.2	NA	1.3	ND	ND	ND	ND	ND	2.74	ND	ND	ND	ND	ND	ND	ND
TOTAL VOCs		29.97	37.2	35.9	37.8	50	57.8	51.7	29.4	NA	34.9	NA	19.8	4.5	88	17.5	28.2	9.1	20.84	1	11.8	12	14.4	8.5	8.5	

HYDROCARBONS

TVH-g		NA	NA	NA	120	270	180	350	140	NA	370	NA	110	ND	ND	ND	ND	ND	83	ND	ND	ND	58	ND	ND	
TEPH-d		600	1500	1200	840	850	1000	1000	1800	NA	510	NA	1300	510	1800	830	870	740	830	830	780	830	900	ND	ND	
O&G		NA	< 5000	< 5000	< 5000	NA	NA	NA	NA	NA	NA	ND	NA	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	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

METALS

Lead	50	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)
- 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 Tested



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
Date	ug/L	Dec-01	Mar-02	Jul-02	Oct-02	Jan-03	Apr-03	Jul-03	Oct-03	Jan-04	Jul-04	Jun-05	Nov-05	Jun-06	Oct-06	Apr,Jun-07	Dec-07	Jun-08	Dec-08	Jun-09	Nov-08	Jun-09

PURGEABLE HALOCARBONS

Chloromethane		ND	ND	ND	ND	ND	NA	ND	NA	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
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
Chloroethane		ND	ND	ND	ND	ND	NA	ND	NA	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	570	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
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
1,1-Dichloroethane	5	ND	18	ND	ND	25	NA	14	NA	8	ND	5.5	25	6.5	6.6	4.3	9.8	4.1	5.7	ND	6.3	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
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
Chloroform	100#*	ND	ND	ND	ND	ND	NA	ND	NA	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
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
1,1,1-Trichloroethane	200	10	460	28	80	530	NA	73	NA	76	28	33	41	18	6.6	7.8	31	5.9	5.6	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
Bromodichloromethane	100#*	ND	ND	ND	ND	ND	NA	ND	NA	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
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
Trichloroethene	5	ND	ND	ND	ND	ND	NA	ND	NA	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
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
Dibromochloromethane	100#*	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinyl Ether	ND	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
Bromoform	100#*	ND	ND	ND	ND	ND	NA	ND	NA	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
1,1,1,2-Tetrachloroethane	1	ND	ND	ND	ND	ND	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	30	10	ND	ND	8	ND	NA	28	NA	21	24	12	34	25	31	25	48	27	31	34	36	18
1,3-Dichlorobenzene		460	130	420	330	170	NA	540	NA	450	570	270	400	380	440	290	360	340	360	420	360	320
1,2-Dichlorobenzene	600#	120	22	95	77	33	NA	470	NA	78	100	280	61	62	74	47	57	50	48	87	44	44
1,4-Dichlorobenzene	5	440	120	400	280	160	NA	110	NA	410	540	51	480	500	580	410	530	450	470	580	450	310

PURGEABLE AROMATICS

Benzene	1	ND	0.6	1	1.4	0.8	NA	1.5	NA	1.8	1.2		1.1	ND	ND	0.56	1.6	0.66	0.65	0.84	0.62	ND
Toluene	1000#	ND	0.8	0.5	ND	ND	NA	ND	NA	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
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
TOTAL VOCs		1054	751.5	951	786.4	918.6	NA	1237.5	NA	1048.8	1263.2	861.5	1612.1	991.5	1118.2	784.78	1106.5	877.66	920.95	1101.8	866.92	582

HYDROCARBONS

TVH-g		NA	700	1300	1400	720	NA	1500	NA	1400	1800	650	980	1200	1500	1100	1100	1000	1000	1200	1100	550
TEPH-d		7100	4400	2800	3900	2300	NA	4900	NA	4500	4800	1600	4400	4900	4800	2600	2100	2600	3500	3500	2400	430
O&G		< 5000	< 5000	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

METALS

Lead	50	NA	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
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Notes:

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- 5) \*\*\* = MCL for sum of trans- and cis-1,3-Dichloropropene
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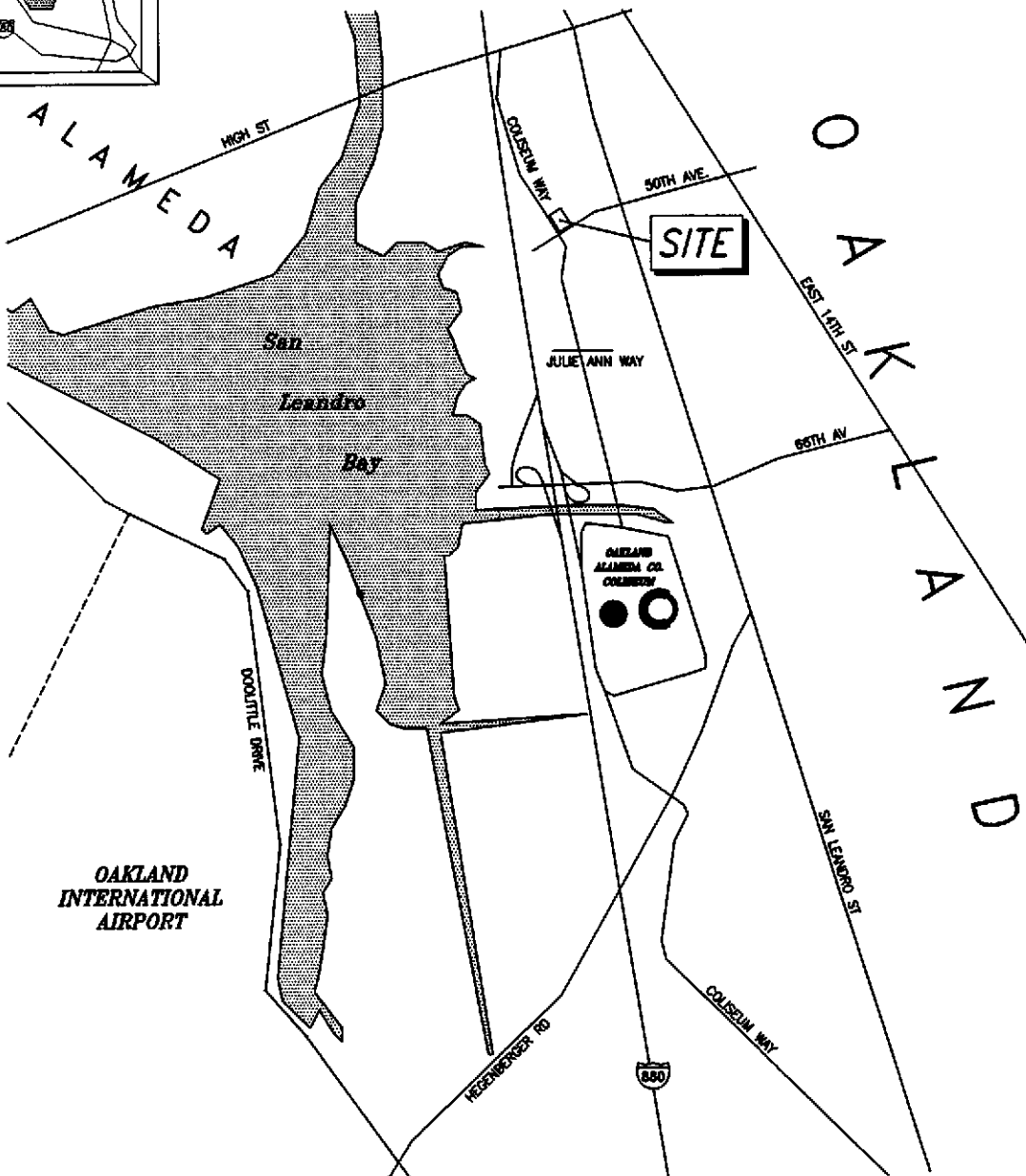
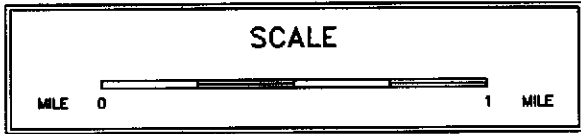
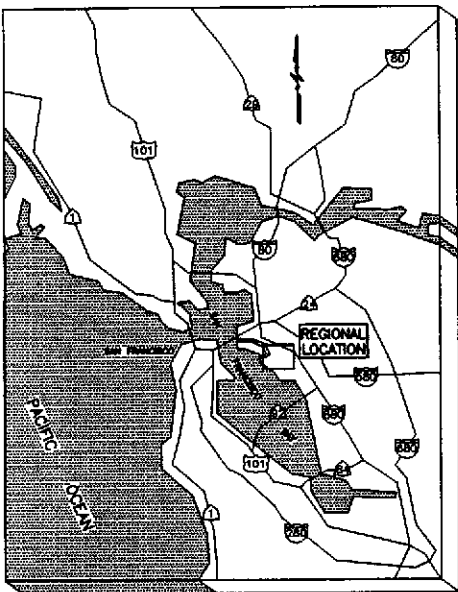
Well ID Date	OW-8 Apr-93	OW-8 Jul-93	OW-8 Oct-93	OW-8 Jan-94	OW-8 Apr-94	OW-8 Jul-94	OW-8 Jun-95	OW-8 Nov-95	OW-8 Jun-96	OW-8 Oct-96	OW-8 Apr, Jun-97	OW-8 Dec-97	OW-8 Jun-97	OW-8 Dec-98	OW-8 Jun-99	OW-8 Nov-99	OW-8 Jun-00
<b>PURGEABLE HALOCARBONS</b>																	
Chloromethane	NA	NA	NA	NA	NA	NA	NA	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
Vinyl chloride	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
Methylene Chloride	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
1,1-Dichloroethene	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
cis-1,2-Dichloroethene	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
Chloroform	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
1,2-Dichloroethane	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
Carbon Tetrachloride	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
1,2-Dichloropropane	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
Trichloroethene	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
trans-1,3-Dichloropropene	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
2-Chloroethylvinyl Ether	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
Tetrachloroethene	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
Chlorobenzene	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
1,2-Dichlorobenzene	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
<b>PURGEABLE AROMATICS</b>																	
Benzene	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
Ethylbenzene	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
TOTAL VOCs	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
<b>HYDROCARBONS</b>																	
TVH-g	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
O&G	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
<b>METALS</b>																	
Lead	27	17	ND	25	12	24	3.2	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 Tested

*APPENDIX C*  
**Figures**

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CSS ENVIRONMENTAL SERVICES, INC.

**SITE LOCATION MAP**

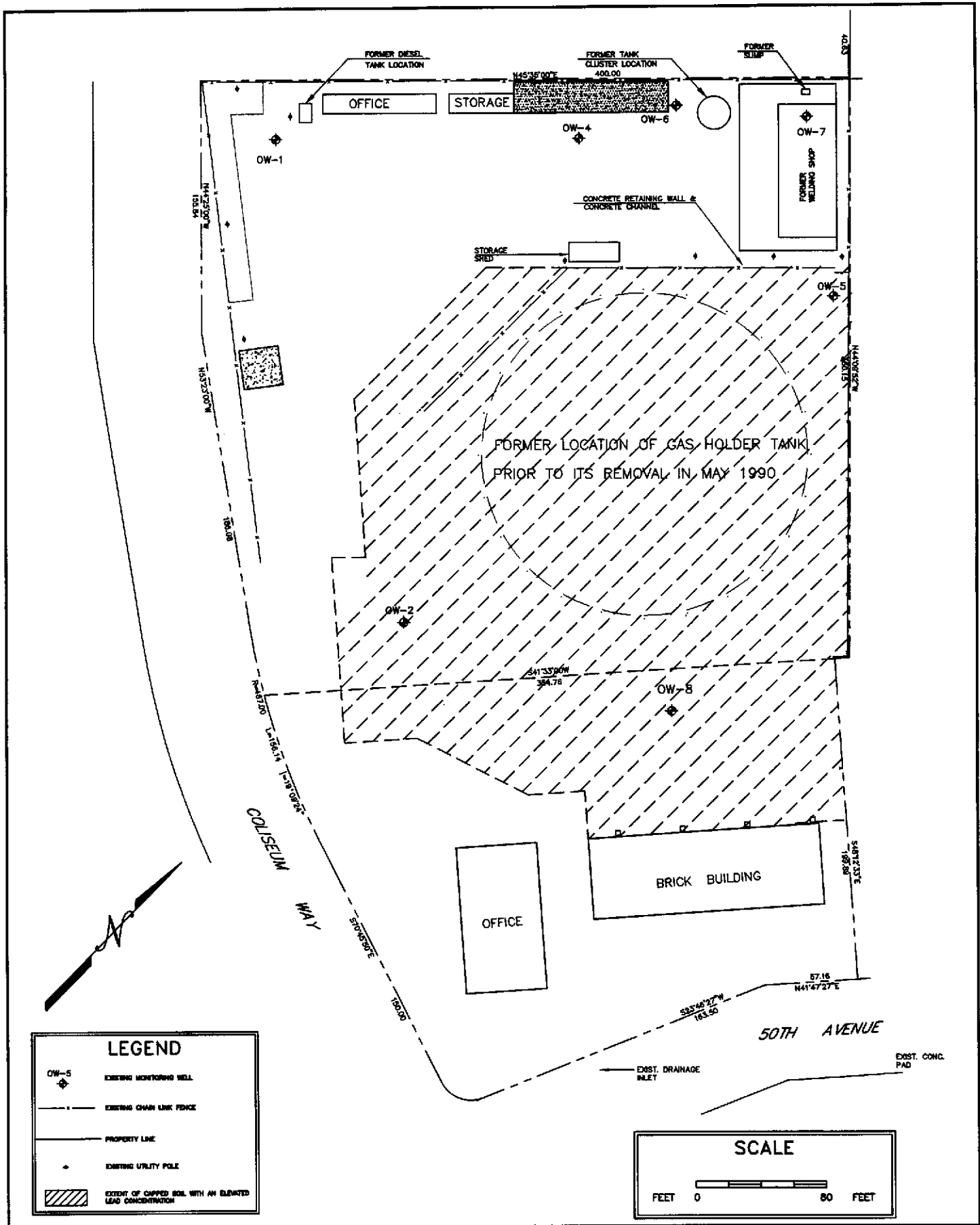
**PG & E DISTRIBUTION CONSTRUCTION SITE**  
**4930 COLISEUM WAY**  
**OAKLAND, CA 94610**

FIGURE

1

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

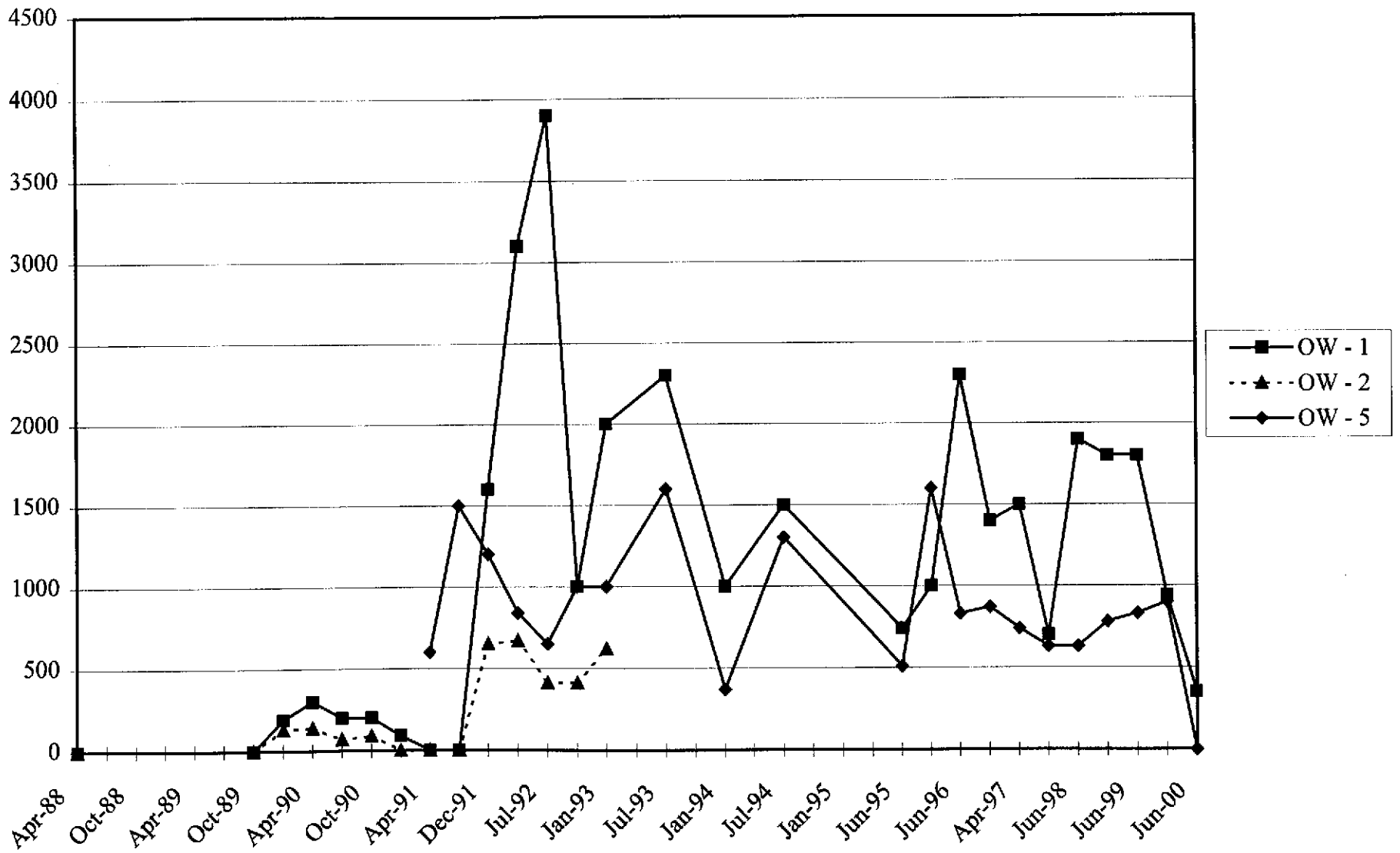




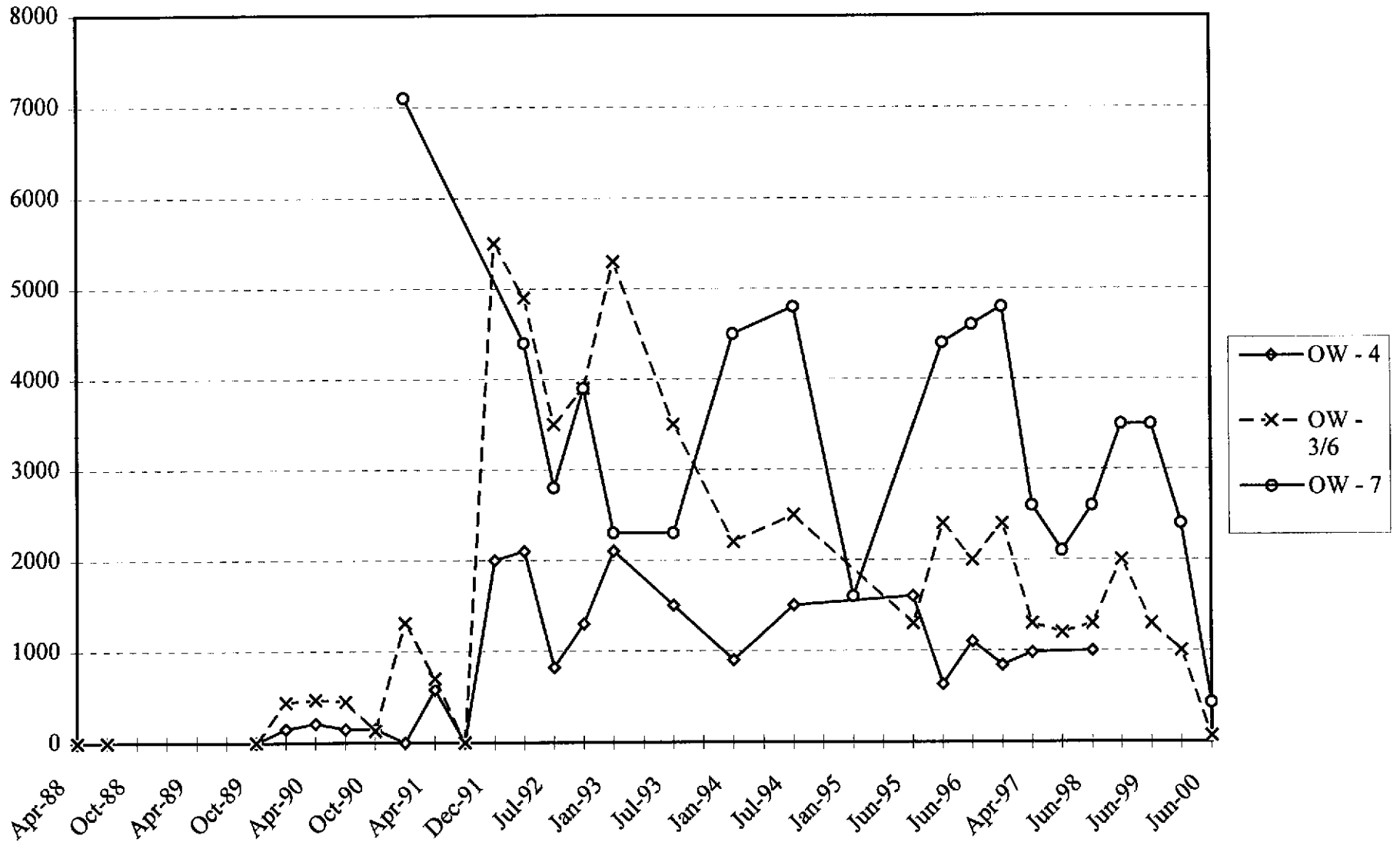
CSS ENVIRONMENTAL SERVICES, INC.

<b>SITE PLAN</b> <b>PG&amp;E DISTRIBUTION CONSTRUCTION SITE</b> <b>4930 COLISEUM WAY</b> <b>OAKLAND, CA 94610</b>					FIGURE  <b>2</b>
JOB NUMBER	DATE	DRAWING	BY	REVISED	
6118	11/96	3666SITE	ESS	7/00	

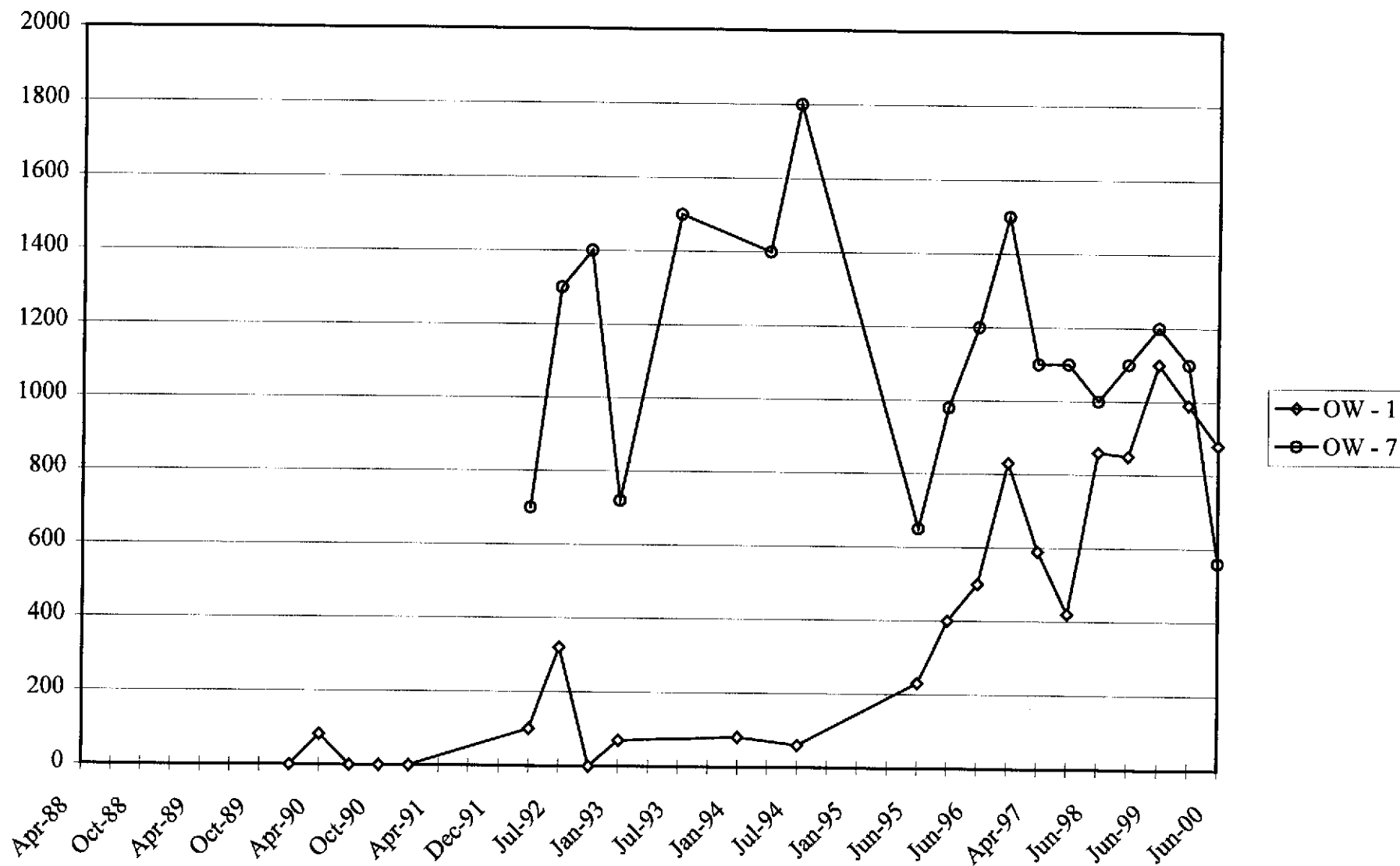
**FIGURE 3.1**  
**TPH-DIESEL in OW - 1, 2, & 5**



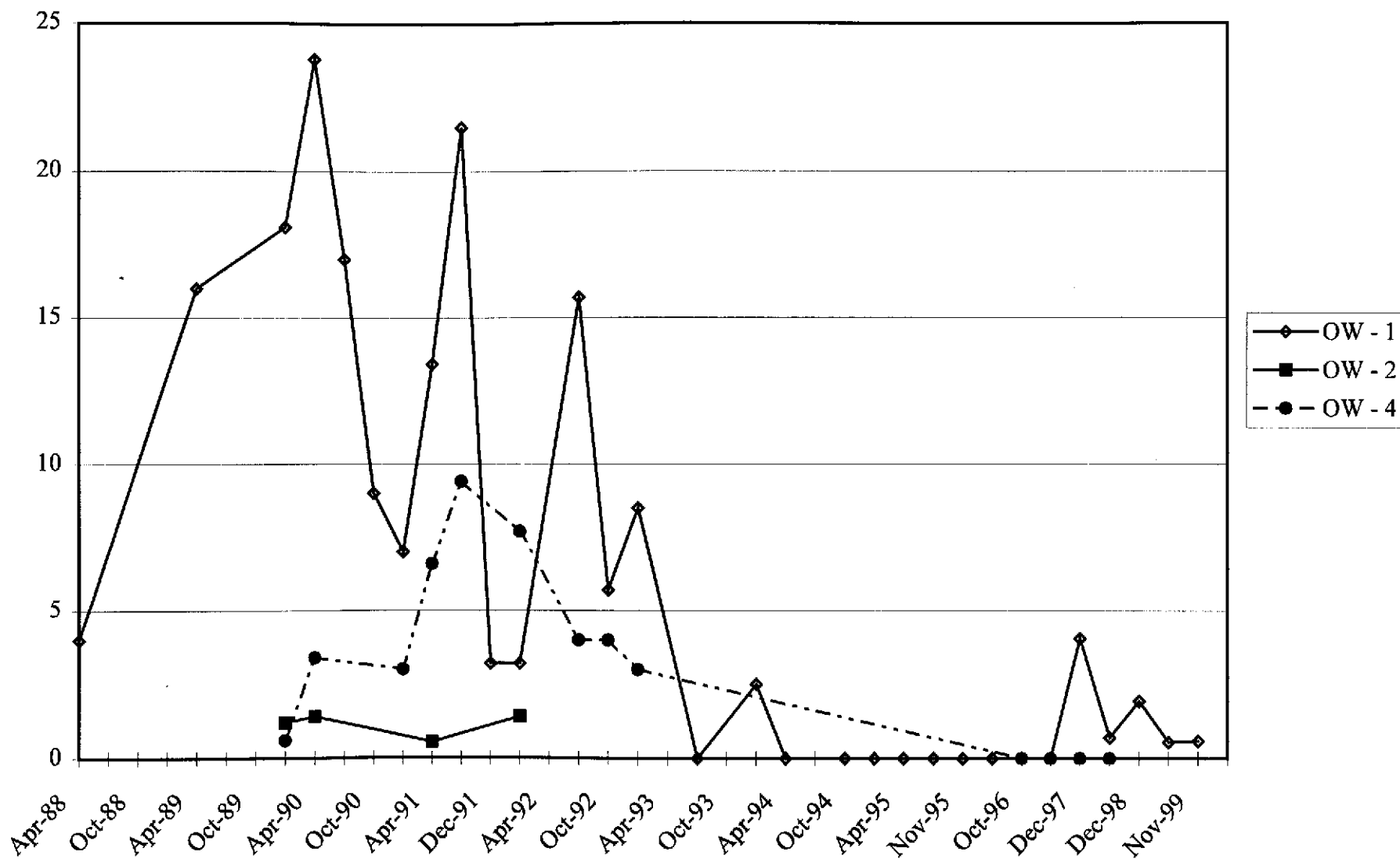
**FIGURE 3.2**  
**TPH-DIESEL in OW - 4, 3/6, & 7**



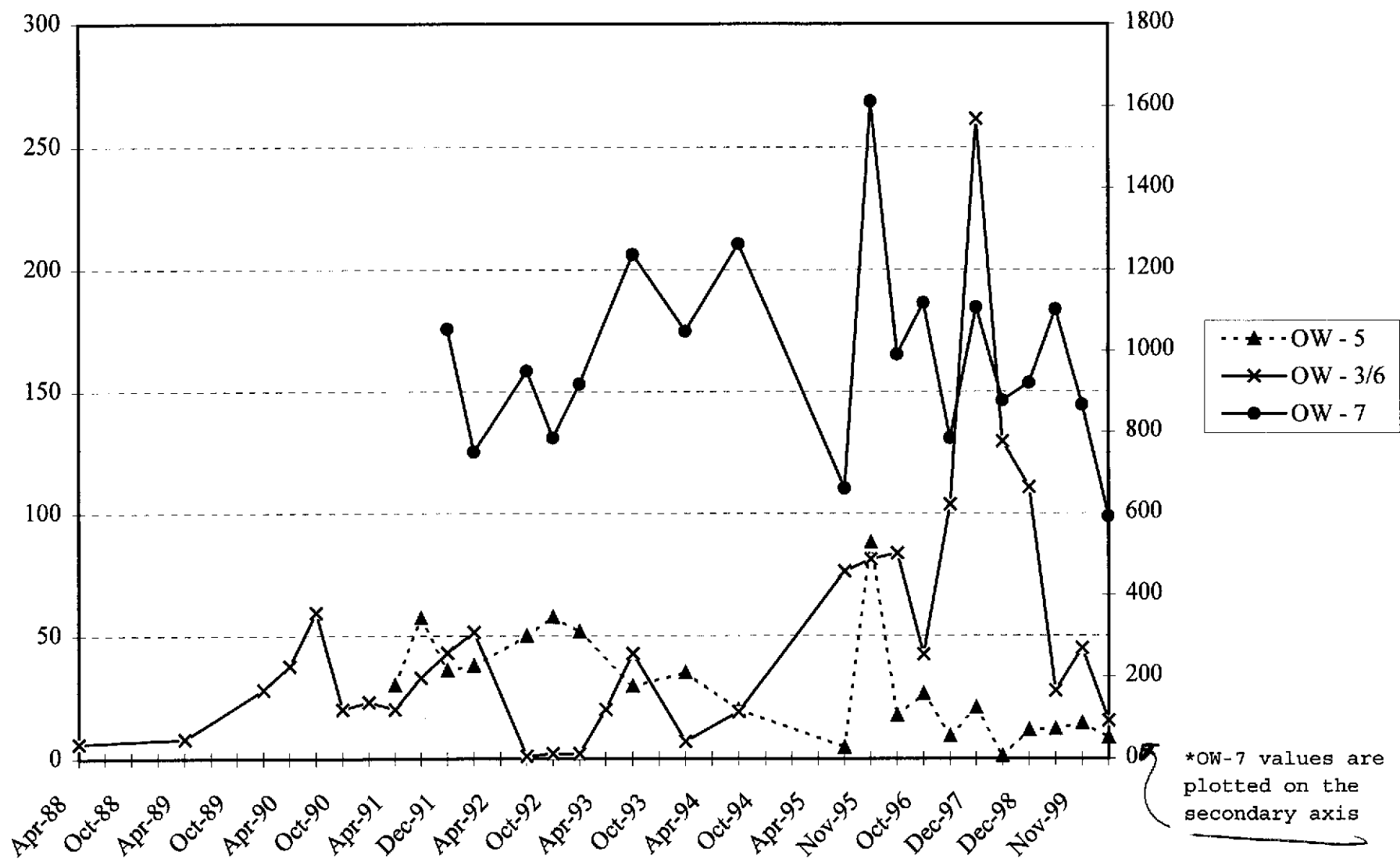
**FIGURE 3.3**  
**TPH-GASOLINE in OW - 1 & 7**

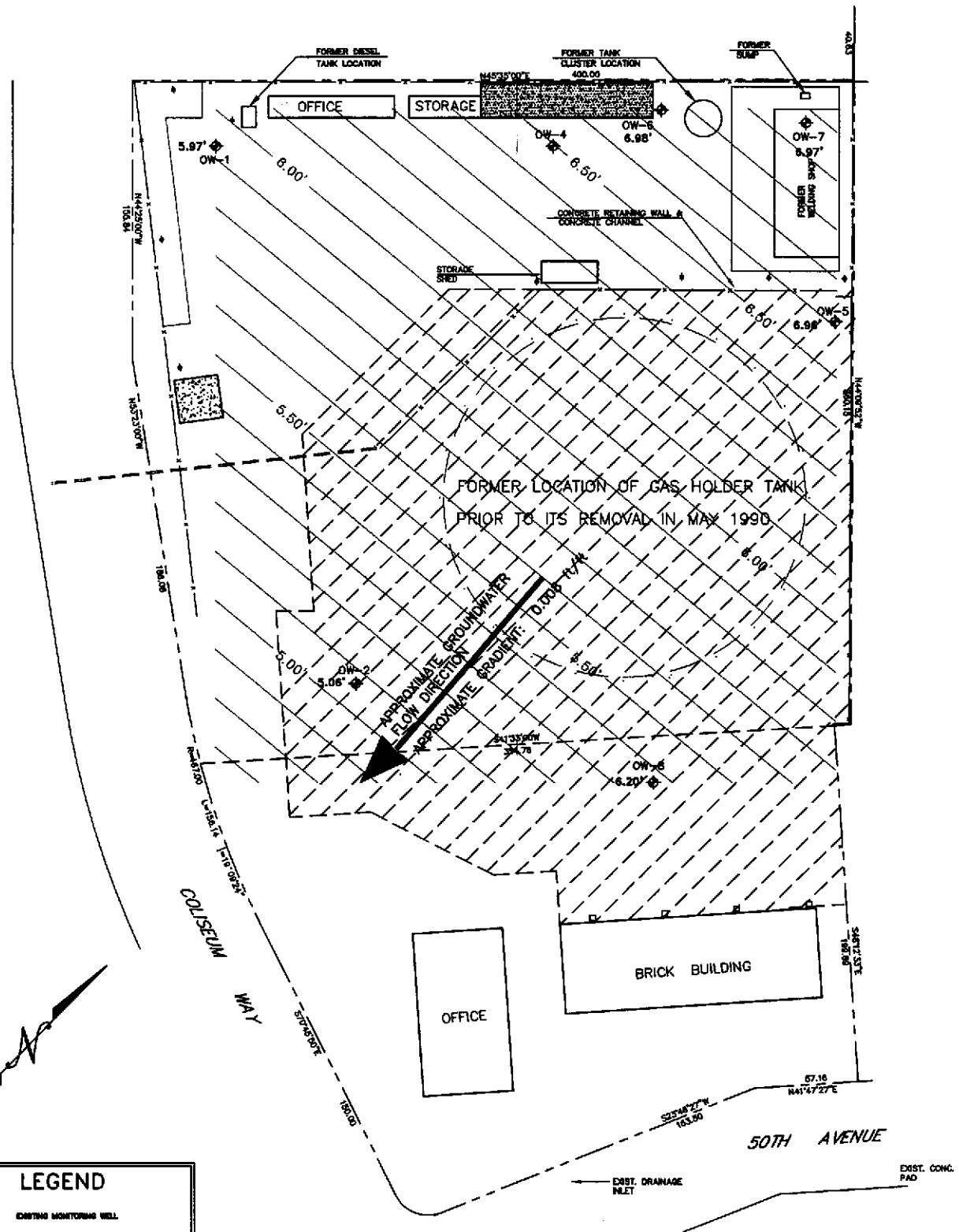


**FIGURE 3.5**  
**TOTAL VOCs in OW-1, 2, & 4**



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





**LEGEND**

- OW-5 EXISTING MONITORING WELL
- EXISTING CHAIN LINK FENCE
- PROPERTY LINE
- EXISTING UTILITY POLE
- EXISTENT OF CAPPED SOIL WITH AN ELEVATED LEAD CONCENTRATION

**SCALE**

FEET 0 80 FEET

**CSS**

CSS ENVIRONMENTAL SERVICES, INC.

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

JOB NUMBER	DATE	DRAWING	BY	REVISED
6118	1/99	GW12-98	ESS/ZS	7/00

FIGURE  
4.1

**FIGURE 4.2  
HISTORICAL GROUNDWATER LEVELS**

