



ENVIRONMENTAL  
PROTECTION

99 OCT 22 PM 4: 51

October 18, 1999

Ms. Juliet Shin  
Hazardous Materials Specialist  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway #250  
Alameda, California 94502-6577

Reference: Groundwater Monitoring Report  
2585 Nicholson Street in San Leandro, California  
Versar Project No. 4422-001

Dear Ms. Shin:

Versar, Inc. (Versar) is pleased to provide, on behalf of Bank of America NA, the enclosed *Groundwater Monitoring Report*. Should you wish to discuss the information presented herein, please feel free to call me at (916) 863-9325, or Mr. John Schovanec with Bank of America at (949) 260-5812.

Sincerely,

Scott Allin, R.E.A.  
Senior Program Manager

cc: Mr. John Schovanec - Bank of America  
Mr. Michael Bakaldin - City of San Leandro

1759-99/4422-001/JUN30'99

• SACRAMENTO OFFICE •

7844 MADISON AVENUE, SUITE 167 • FAIR OAKS, CALIFORNIA 95628 • TELEPHONE: (916) 962-1612 FAX: (916) 962-2678



October 18, 1999

Mr. John A. Schovanec  
Bank of America, N.A.  
Environmental Services #305478  
4000 MacArthur Boulevard, Suite 100  
Newport Beach, California 92660

Reference: Groundwater Monitoring Report  
2585 Nicholson Street in San Leandro, California  
ES# 305582  
Versar Project No. 4422-001

Dear Mr. Schovanec:

Versar, Inc. (Versar) has prepared this groundwater monitoring report on behalf of Bank of America, N.A. (Bank of America) summarizing work performed at the property located at 2585 Nicholson Street in San Leandro, California (Site). Figures 1 and 2 show the Site location and Site layout, respectively. The following sections describe the scope of work, Site location, and Site background.

This letter report presents the results of the quarterly groundwater monitoring and sampling event conducted at the Site on July 28, 1999. This report has been prepared in response to the request by the Alameda County Health Care Services (ACHCS) letter dated July 14, 1999, regarding groundwater monitoring at 2585 Nicholson Street, San Leandro, California.

The Site is located at 2585 Nicholson Street in San Leandro, California. The nearest cross street is Republic Avenue. The Site is currently occupied by Crane Works and consists of a single-story commercial office building at the north end of the property, and covered parking/work area over the western and southern edges of the property.

## **BACKGROUND**

According to information presented in the McLaren/Hart soil and groundwater characterization report (McLaren/Hart, 1998), two underground storage tanks (USTs) were removed from the Site in 1991. Soil and groundwater samples collected during the UST removal activities identified total petroleum hydrocarbons (TPH) as diesel and gasoline in both media. Reportedly, overexcavation was performed during UST removal activities. In 1992, Hageman-

Aguiar (HA) performed an on Site soil and groundwater investigations, and installed one monitoring well (MW-1) on the central portion of the Site. Groundwater samples were collected by HA from MW-1 between 1992 and 1995. HA identified free-floating product in MW-1 during some of the sampling events, at a maximum thickness of 1.25 inches. In 1998, McLaren/Hart performed a limited investigation of soil and groundwater, both on and off-Site. McLaren/Hart concluded that adequate definition of petroleum hydrocarbons in soil and groundwater had been completed, and that the contaminant plume was relatively stable with minimal off-Site migration of petroleum hydrocarbons. McLaren/Hart recommended installation of additional monitoring wells to confirm the direction of groundwater flow beneath the Site.

In April 1999, Versar installed four additional monitoring wells, and sampled all the Site wells, as described in our *Monitoring Well Installation and Groundwater Monitoring Report*, dated June 30, 1999. The monitoring well locations are depicted in Figure 2, Site Plan. Versar detected petroleum hydrocarbons as gasoline in the southern half of the Site; benzene, toluene, ethylbenzene, and xylenes (BTEX) were detected in well MW-1 near the center of the Site. The benzene concentration was 1,400 micrograms per liter ( $\mu\text{g/L}$ , equivalent to parts per billion) The groundwater gradient was calculated to be approximately 0.001 feet/foot and flowing in a southeasterly direction

## QUARTERLY GROUNDWATER MONITORING ACTIVITIES

Versar performed groundwater monitoring of the Site on July 28, 1999, sampling the wells for TPH as gasoline (TPHg), TPH as diesel fuel (TPHd), TPH as motor oil (TPHmo), and BTEX. As requested by the ACHCS in their July 14, 1999 letter, samples from selected monitoring wells were also analyzed for fuel oxygenates by EPA Method 8260, and for semi-volatile organic compounds (SVOCs) by EPA Method 8270.

Versar's quarterly groundwater monitoring program for the Site included the following tasks:

- Measure groundwater levels in monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5, and calculate the hydraulic gradient and flow direction.
- Purge and collect groundwater samples from the five monitoring wells (MW-1, MW-2, MW-3, MW-4, and MW-5);
- Obtain measurements of groundwater temperature, electrical conductivity, pH, and dissolved oxygen in monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-5.

Mr. John Schovanec  
October 18, 1999  
Page 3 of 8

- Submit the groundwater samples to a California-certified analytical laboratory for analysis of one or more of the following TPHg, TPHd, TPHmo, BTEX, fuel oxygenates, and SVOCs; and
- Prepare a letter report summarizing the results.

### **Groundwater Sampling Protocol**

The methodology and protocol followed for the collection of groundwater samples during this groundwater sampling event are presented in Attachment III, Decontamination and Groundwater Monitoring Well Sampling Procedures.

### **Quarterly Groundwater Level Measurements**

On July 28, 1999, the depth to groundwater in wells MW-1, MW-2, MW-3, MW-4 and MW-5 was measured at 5.85 feet, 4.19 feet, 6.37 feet, 5.84 feet, and 7.11 feet bgs, respectively. The groundwater gradient was calculated to be 0.001 feet per foot (ft/ft) flowing to the south-southeast, which is similar to the direction and gradient measured in April 1999. Groundwater surface elevations are approximately one-half foot lower than in April. Figure 3 in Attachment I is a groundwater gradient map generated from the July 28, 1999 data. Table 1 in Attachment II presents groundwater level data collected at the Site to date.

### **Groundwater Sampling Activities**

On July 28, 1999, groundwater samples were collected from monitoring wells MW-1, MW-2, MW-3, MW-4 and MW-5. Prior to sampling, each well was purged of approximately three casing volumes of groundwater, and the water level allowed to recover to at least 80 percent of the pre-purge level. Measurements of temperature, pH, electrical conductivity, and dissolved oxygen were recorded a minimum of three times during each purged well volume. The groundwater monitoring well purge tables are presented in Attachment IV.

Groundwater samples collected from Site wells were analyzed for TPHg, TPHd, TPHmo, BTEX, and SVOCs by Kemron Environmental Services (Kemron), California State Laboratory Certification No. 2277. Only wells MW-1 and MW-3 were sampled for SVOCs, in conformance with ACHCS' July 14, 1999 letter. All samples were analyzed within instrument and accuracy limits defined by the method. Samples collected from MW-1, MW-2, MW-3, MW-4 and MW-5 were submitted to Excelchem, California State Laboratory Certification No. 2119, for analysis for fuel oxygenates, in conformance with ACHCS' July 14, 1999 letter.

Mr. John Schovanec  
October 18, 1999  
Page 4 of 8

The samples were collected, placed in containers, preserved, transported, and analyzed within the time constraints consistent with applicable United States EPA, California EPA, and Regional Water Quality Control Board (RWQCB) procedures, and in conformance with Versar's Decontamination and Groundwater Monitoring Well Sampling Procedures, presented in Attachment III. Purge water from the July 28, 1999, sampling event has been removed from the Site for disposal. Versar will forward the disposal receipt to Bank of America.

## ANALYTICAL RESULTS

The analytical results of the TPHg, TPHd, TPHmo, BTEX, fuel oxygenates, and SVOC analyses are summarized in Table 2 in Attachment II. Figure 4 in Attachment I spatially depicts the analytical results for the July 1999 groundwater monitoring event. The laboratory analytical reports are included in Attachment V.

- TPHg was detected in wells MW-1, MW-3, MW-4 and MW-5 at concentrations of 3,500  $\mu\text{g/L}$ , 300  $\mu\text{g/L}$ , 120  $\mu\text{g/L}$ , and 570  $\mu\text{g/L}$ , respectively.
- TPHd was detected in MW-1 at a concentration of 1,700  $\mu\text{g/L}$ . The analytical laboratory stated in a personal communication that the TPHd detected appeared on the chromatogram to appear to be predominantly gasoline.
- TPHmo was not detected in Site wells during this monitoring event.
- Benzene was only detected in well MW-1 at a concentration of 252  $\mu\text{g/L}$ .
- Toluene was only detected in well MW-1 at a concentration of 23  $\mu\text{g/L}$ .
- Ethylbenzene was only detected in well MW-1 at a concentration of 43  $\mu\text{g/L}$ .
- Total xylene isomers was only detected in well MW-1 at a concentration of 179  $\mu\text{g/L}$ .
- MTBE was detected in wells MW-1, MW-4, and MW-5 at concentrations of 11  $\mu\text{g/L}$ , 10  $\mu\text{g/L}$ , and 7.3  $\mu\text{g/L}$ , respectively.
- Two SVOCs, naphthalene and 2-methylnaphthalene, were detected in well MW-1 at concentrations of 10 and 6.5  $\mu\text{g/L}$ , respectively.

Mr. John Schovanec  
October 18, 1999  
Page 5 of 8

## LOCAL SURROUNDING WELLS AND UTILITIES INFORMATION

In their July 14, 1999 letter, ACHCS requested information regarding the location and use of groundwater wells within 200 feet of the Site. ACHCS also requested information regarding the depth of gas, electric, and storm drain trenches adjacent to the Site, as depicted in Figure 2 of Versar's, June 30, 1999, *Monitoring Well Installation and Groundwater Sampling Report*.

Versar contacted the Alameda County Public Works Agency and obtained a map and list of monitoring wells in the vicinity of the Site. Seven wells and one boring are depicted and listed as located within 200 feet of the Site. The list of wells provided with the map shows no wells deeper than 25 feet in the area of interest, and that all the wells are used for monitoring only, and are not used for beneficial purposes. The well location map and list are presented in Attachment VI. Versar also reviewed a U.S. Geological Survey topographic map of the Site area, and a historical reference to groundwater supply in the East Bay plain. Neither reference indicated the presence of a water supply well within 200 feet of the Site. Based on these results, beneficial use of groundwater impacted by historic Site operations is not occurring within 200 feet of the Site.

*How about  
the storm  
sewer.*

Versar contacted the City of San Leandro, and the Pacific Gas & Electric Company (PG&E) for information regarding the depth of utilities at the Site. Files reviewed at the City of San Leandro Building Department for the Site did not contain utility design information. Versar has not received any response from PG&E. Versar can continue to attempt to contact PG&E for information regarding the depth of the gas and electric utility trenches at the Site. It is Versar's experience, however, that gas and electric utilities are not deeply buried, and are likely located within 3 feet of the ground surface. In addition, the direction of groundwater flow measured in April and July 1999 at the Site suggests that the gas and electric utilities are located up and cross gradient from MW-1, and as such are unlikely pathways for contaminant migration. Therefore, it is Versar's opinion that underground utilities in the vicinity of the Site are not influencing groundwater migration beneath the Site.

## CONCLUSIONS

Based on the results of this most recent quarterly groundwater monitoring event Versar has made the following conclusions.

- During the July 1999 sampling event, the groundwater gradient was calculated to be 0.001 ft/ft flowing to the south-southeast, similar to conditions measured in April 1999. Groundwater surface elevations are approximately one-half foot lower than in April.

Mr. John Schovanec

October 18, 1999

Page 6 of 8

- TPHg, TPHd, BTEX, MTBE, and two SVOCs were detected at well MW-1, and with the exception of MTBE, were not detected in any of the other wells. This indicates that the area of residual contamination at the Site is located near the center of the property, in the vicinity of MW-1. MTBE was detected at wells south of MW-1, suggesting that if the MTBE is related to the release of gasoline at the Site, migration of contaminants is in a southerly direction from the area of well MW-1. MTBE was not detected above proposed cleanup levels for groundwater, which range from 14 to 35  $\mu\text{g/L}$ . The TPHd chromatogram for the sample collected from MW-1 appeared to the laboratory to comprise gasoline-range hydrocarbons, indicating the primary constituent of concern is gasoline.
- Actionable concentrations of benzene were detected at well MW-1. No other actionable concentrations of the constituents of concern were detected at the Site.
- Naphthalene is used in the manufacture of automotive fuels. 2-methylnaphthalene is used in the synthesis of organic compounds, and may be related to the naphthalene occurrence at the Site. There are no state or federal drinking water quality goals for either compound. In addition, the compounds were detected at very low levels, no greater than 10  $\mu\text{g/L}$ , and were isolated to well MW-1 only. Based on these results, naphthalene and 2-methylnaphthalene are not constituents of concern for the Site.
- Versar has been unable to date to obtain information regarding the depth of utilities adjacent to the Site, as requested by ACHCS. However, the direction of groundwater flow at the Site suggests that the electrical and gas utility trenches are upgradient and cross gradient from MW-1, and as such are unlikely pathways for contaminant migration. It is Versar's opinion that underground utilities in the vicinity of the Site are not influencing groundwater migration beneath the Site.
- Based on information obtained from the Alameda County Public Works Agency well database and two additional references, no domestic, industrial, or irrigation wells are located within 200 feet of the Site. Based on these results, beneficial use of groundwater impacted by historic Site operations is not occurring within 200 feet of the Site.

Mr. John Schovanec  
October 18, 1999  
Page 7 of 8

## **FUTURE ACTIVITIES**

Versar recommends continued quarterly groundwater monitoring at the Site to characterize groundwater fluctuations, flow direction, and contaminant concentrations. This information is required in considering closure for the Site by the ACHCS.

Versar does not recommend further testing of groundwater for SVOCs, since there are no drinking water quality goals for either compound. Versar does not recommend further testing for TPHd or TPHmo at the Site, since TPH chromatograms indicate the detected petroleum hydrocarbon at the Site is gasoline. ✓ PR265

## **REFERENCES**

- Alameda County Health Care Services Agency. Letter to Mr. John Schovanec, Bank of America Environmental Services. Re: Groundwater monitoring at 2584 Nicholson Street, San Leandro, CA. Dated July 14, 1999.
- Figuers, S., Norfleet Consultants. *Groundwater Study and Water Supply History of the East Bay Plain, Alameda and Contra Costa Counties, CA*. For Friends of the San Francisco Estuary, Oakland, California. June 15, 1998.
- United States Department of the Interior Geological Survey. Map. *San Leandro Quadrangle, 7.5 Minute Series (Topographic)*. 1959, Photorevised 1980.
- Versar, Inc.. *Monitoring Well Installation and Groundwater Monitoring Report*. Prepared for Bank of America, N.T. & S.A.. Project No. 4422-001. June 30, 1999.

## **STATEMENT OF LIMITATIONS**

The conclusions presented above are based on the agreed-upon scope of work outlined in the beginning of this report. Versar makes no warranties or guarantees as to the accuracy or completeness of information provided or compiled by others and used by Versar. It is possible that information exists beyond the scope of this investigation. Also, changes in Site use may have occurred sometime in the past due to variations in rainfall, temperature, water usage, economic, agricultural, or other factors. Additional information that was not found or available to Versar at the time of the writing of this report may result in a modification of the





Mr. John Schovanec  
October 18, 1999  
Page 8 of 8

conclusions presented. This report is not a legal opinion.

The services performed by Versar have been conducted in a manner consistent with the level of care ordinarily exercised by members of our profession currently practicing under similar conditions. No other warranty expressed or implied is made.

This Quarterly Monitoring Report was prepared by Versar on behalf of Bank of America. Mr. Dale Anderson, Senior Environmental Technician, performed the groundwater sample collection. Mr. Tim Berger, Registered Geologist, prepared the report, and supervised the field activities. Mr. Scott Allin, Registered Environmental Assessor, reviewed the report.

Prepared by:

Tim Berger R.G. 5225  
Supervising Geologist  
Versar - Pacific Region

Reviewed by:

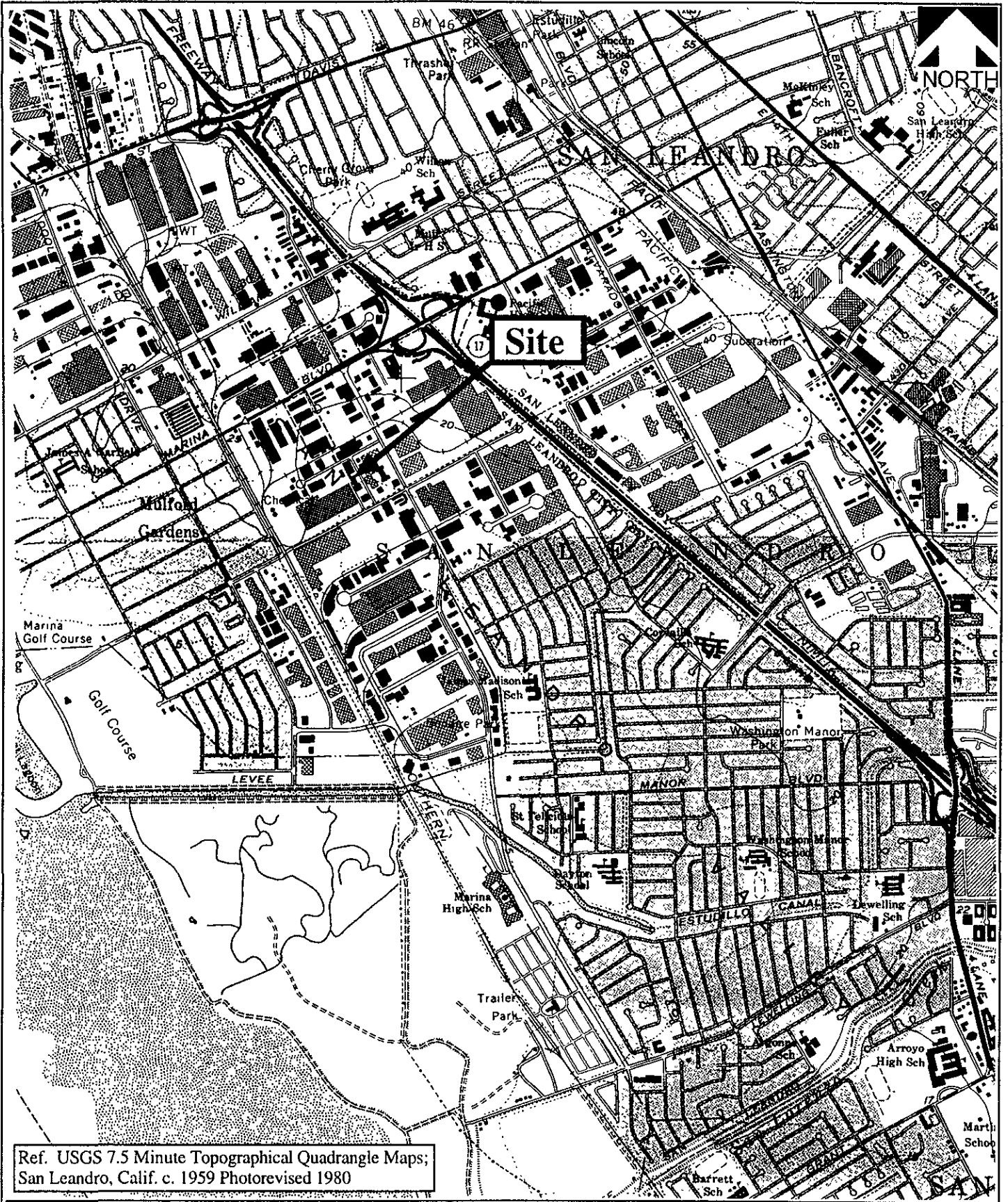
Scott Allin, R.E.A. 076223  
Senior Program Manager  
Versar - Pacific Region

- Attachment I - Figures
- Attachment II - Tables
- Attachment III - Decontamination and Groundwater Monitoring Well Sampling Procedures
- Attachment IV - Monitoring Well Purge Tables
- Attachment V - Laboratory Analytical Reports and Chain-of-Custody Documentation
- Attachment VI - Alameda County Public Works Agency Well Search Results

cc: Juliett Shin (Alameda County)  
Mike Bakaldin (City of San Leandro)

**ATTACHMENT I**

Figures



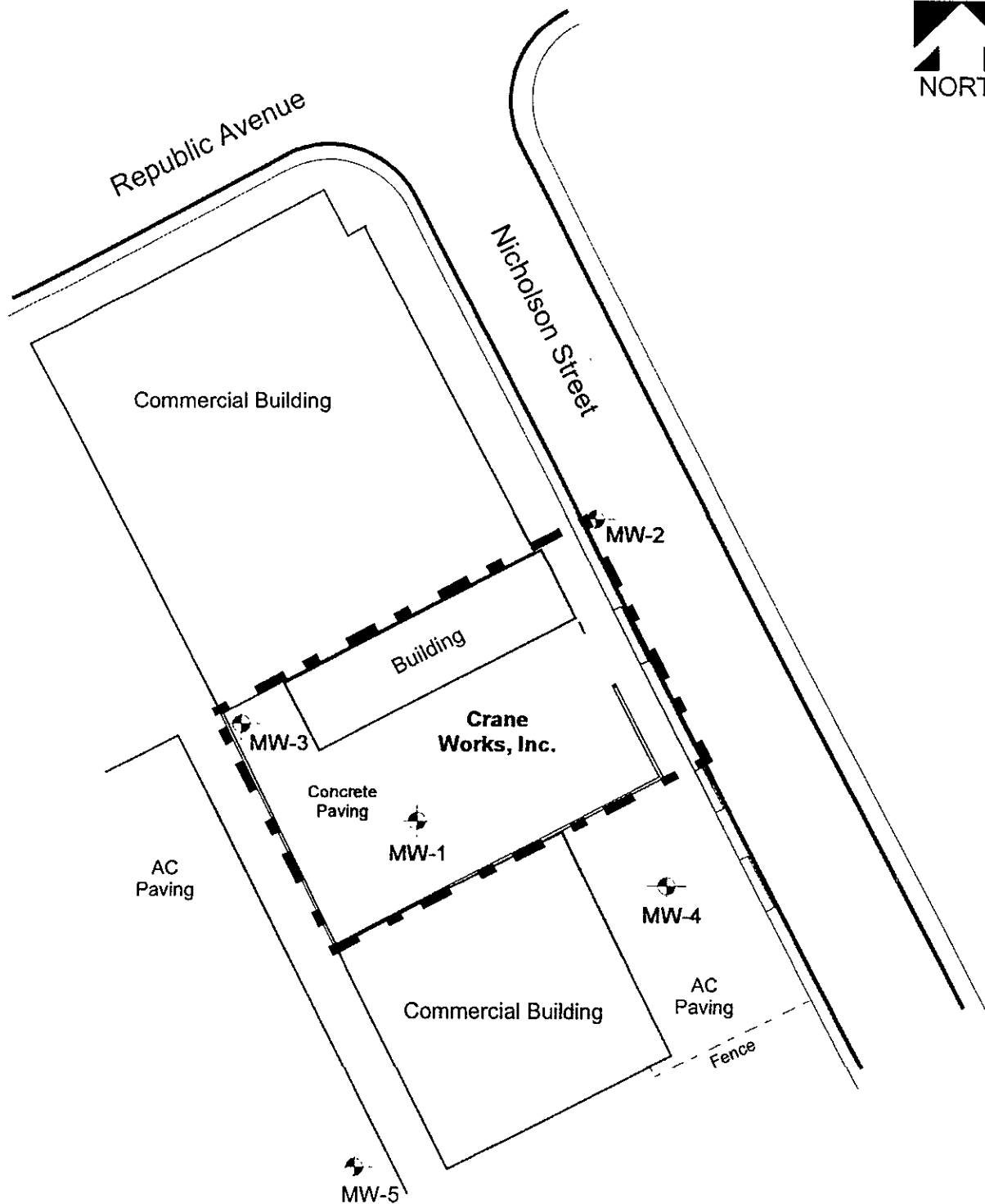
Ref. USGS 7.5 Minute Topographical Quadrangle Maps;  
 San Leandro, Calif. c. 1959 Photorevised 1980

Dr. By: Dale Anderson  
 Date: 5/10/99  
 Scale: 1 inch=2,000 feet  
 Versar Project No. 4422-001  
 PartvFile: P:\BOFAISANLEANREPORT\Fig1

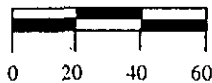
**Versar** inc.  
 7844 Madison Avenue  
 Suite 167  
 Fair Oaks, CA 95628  
 (916) 962-1612

**SITE LOCATION**  
 2585 Nicholson Street  
 San Leandro, California

Figure  
 1



(Scale - Feet)



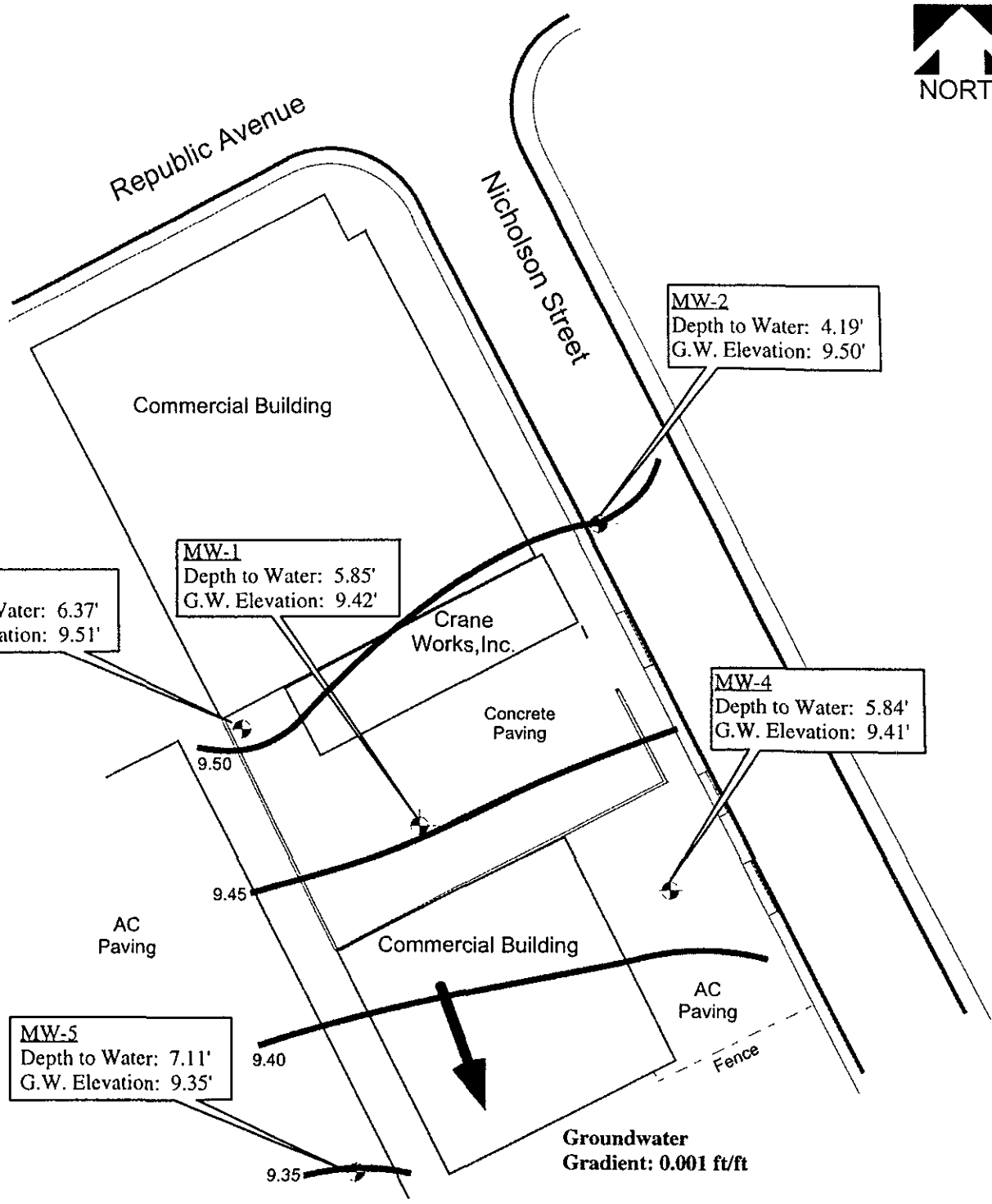
Dr. By: Dale Anderson
Date: 5/10/99
Scale: 1 inch= 60 feet
Versar Project No. 4422-001
Path: File P:\BOFA\SanLeandro\Report\Fig2



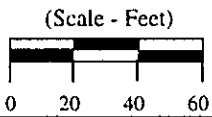
7844 Madison Avenue  
Suite 167  
Fair Oaks, CA 95628  
(916) 962-1612

### SITE LAYOUT AND MONITORING WELL LOCATION MAP 2585 Nicholson Street San Leandro, California

Figure  
2



Legend	
	Observation Well Location
9.85	Groundwater Contour Interval in Feet Above Mean Sea Level

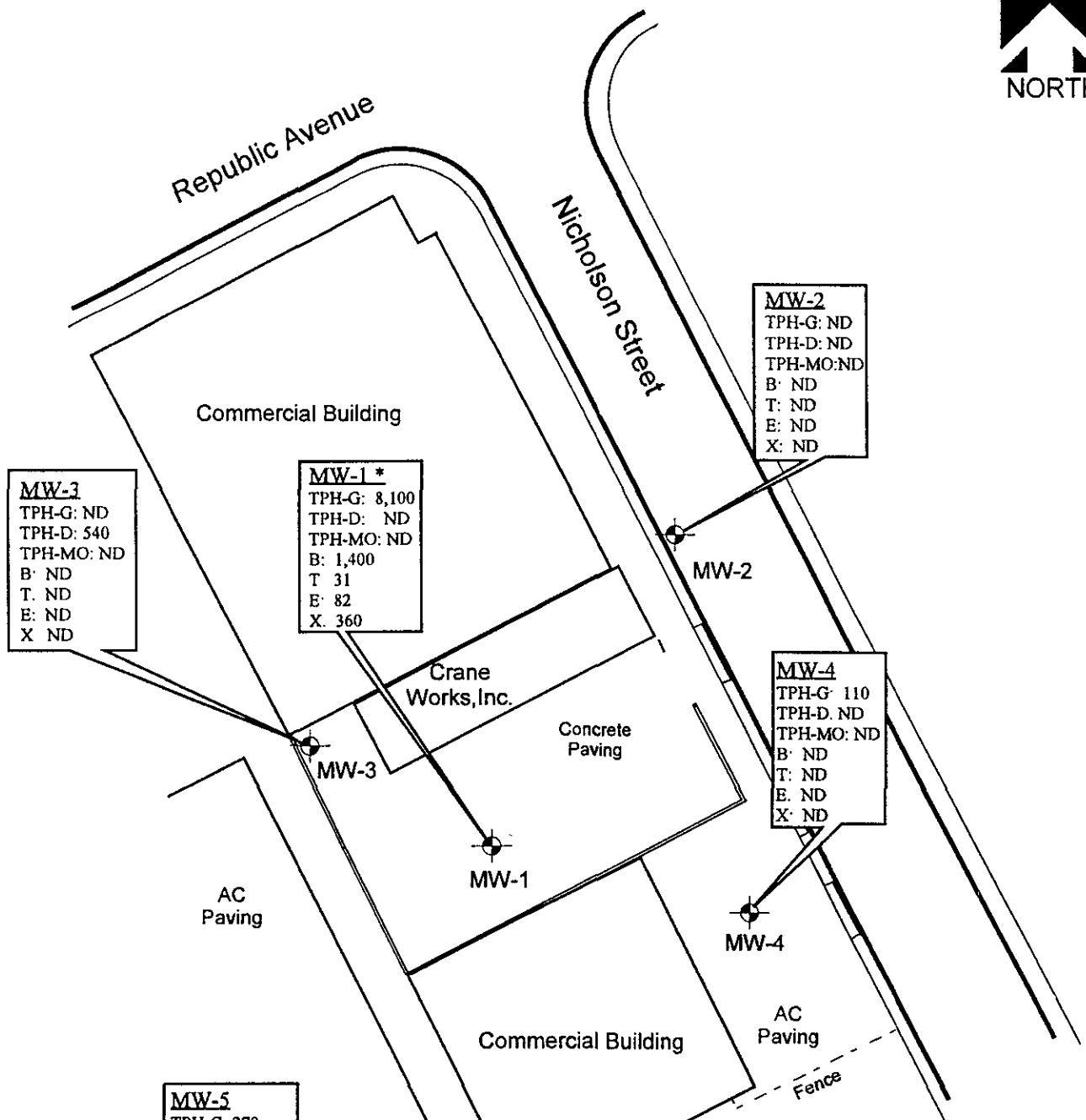


Dr. By: Dale Anderson
Date: 9/16/99
Scale: 1 inch= 60 feet
Versar Project No. 4422-001
Path/File P:\BOFA\SanLeandro\Report\Fig3

**Versar, Inc.**  
 7844 Madison Avenue  
 Suite 167  
 Fair Oaks, CA 95628  
 (916) 962-1612

**Groundwater Contour Map**  
 July 28, 1999  
 2585 Nicholson Street  
 San Leandro, California

**Figure 3**



**MW-3**  
 TPH-G: ND  
 TPH-D: 540  
 TPH-MO: ND  
 B: ND  
 T: ND  
 E: ND  
 X: ND

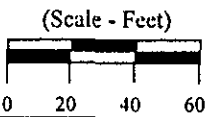
**MW-1 \***  
 TPH-G: 8,100  
 TPH-D: ND  
 TPH-MO: ND  
 B: 1,400  
 T: 31  
 E: 82  
 X: 360

**MW-2**  
 TPH-G: ND  
 TPH-D: ND  
 TPH-MO: ND  
 B: ND  
 T: ND  
 E: ND  
 X: ND

**MW-4**  
 TPH-G: 110  
 TPH-D: ND  
 TPH-MO: ND  
 B: ND  
 T: ND  
 E: ND  
 X: ND

**MW-5**  
 TPH-G: 270  
 TPH-D: ND  
 TPH-MO: ND  
 B: ND  
 T: ND  
 E: ND  
 X: ND

Legend	
	Extraction and Observation Well Location
Note:	All Results in ug/L
TPH-G:	Total Petroleum Hydrocarbons as Gasoline
TPH-D:	Total Petroleum Hydrocarbons as Diesel
TPH-MO:	Total Petroleum Hydrocarbons as Motor Oil
B:	Benzene
T:	Toluene
E:	Ethybenzene
X:	Total Xylenes
ND:	Not detected at or above the methods reporting limit.
*	Sample Collected 5/7/99



Dr. By: Dale Anderson  
 Date: 5/10/99  
 Scale: 1 inch= 60 feet  
 Versar Project No. 4422-001  
 PathFile P80FA\SanLeandro\Report\Fig4

**Versar Inc.**  
 7844 Madison Avenue  
 Suite 167  
 Fair Oaks, CA 95628  
 (916) 962-1612

**Laboratory Analytical Results  
 For Groundwater Samples  
 April 29, 1999  
 2585 Nicholson Street  
 San Leandro, California**

**Figure  
 4**

## **ATTACHMENT II**

### Tables

Table 1  
Groundwater Elevation Data  
2585 Nicholson Street  
San Leandro, California

		Groundwater Monitoring Well					Hydraulic gradient magnitude (ft/ft)	General gradient direction
		MW-1	MW-2	MW-3	MW-4	MW-5		
Well casing elevation (feet amsl)		15.27	13.69	15.88	15.25	16.46	---	---
April 29, 1999	Depth to groundwater (feet bgs)	5.33	3.76	5.88	5.40	6.64	0.001	Southeast
	Groundwater Elevation (feet amsl)	9.94	9.93	10.00	9.85	9.82		
July 28, 1999	Depth to groundwater (feet bgs)	5.85	4.19	6.37	5.84	7.11	0.001	Southeast
	Groundwater Elevation (feet amsl)	9.42	9.50	9.51	9.41	9.35		

Notes and Abbreviations:  
ft/ft = feet per foot  
amsl = above mean sea level



Table 2  
Analytical Results for Groundwater Samples  
2585 Nicholson Street  
San Leandro, California

Monitoring Well No.	Date	Chemicals of Concern										
		TPH-G (µg/L)	TPH-D (µg/L)	TPH-MO (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	TPH-K (mg/L)	TPH-SS (µg/L)	Naphthalene	2-Methyl-naphthalene
MW-1	Jun-92	10,000	ND	NA	110	81	62	280	NA	NA	NA	NA
	Nov-92	9,800	ND	NA	23	14	22	96	NA	NA	NA	NA
	Apr-93	18,000	560	ND	42	47	50	190	ND	370	NA	NA
	Jul-93	27,000	ND	ND	40	45	63	190	ND	ND	NA	NA
	Dec-93	7,800	3,800	ND	13	16	20	77	ND	ND	NA	NA
	Mar-94	280,000	620	ND	970	880	620	1,700	ND	3,300	NA	NA
	Jun-94	8,500	ND	ND	23	13	8.5	19	ND	ND	NA	NA
	Sep-94	2,400	52	ND	5.3	2.6	2.5	6	ND	ND	NA	NA
	Dec-94	4,800	1,300	ND	32	32	16	50	ND	1,000	NA	NA
	Apr-95	74,000	3,700	ND	320	350	350	940	ND	570	NA	NA
	Sep-95	33,000	46,000	ND	140	270	260	1,100	ND	4,900	NA	NA
	May-99	8,100	ND	ND	1,400	31	82	360	NA	NA	NA	NA
Jul-99	3,500	1,700	NA	252	23	43	179	NA	NA	10	6.5	
MW-2	Apr-99	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	Jul-99	<100	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
MW-3	Apr-99	ND	540	ND	ND	ND	ND	ND	NA	NA	ND	ND
	Jul-99	300	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	<5.0	<5.0
MW-4	Apr-99	110	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	Jul-99	120	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA
MW-5	Apr-99	270	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
	Jul-99	570	<100	NA	<1.0	<1.0	<1.0	<1.0	NA	NA	NA	NA

Notes and Abbreviations:

TPH-G = total petroleum hydrocarbons as gasoline.

TPH-K = total petroleum hydrocarbons as kerosene.

TPH-SS = total petroleum hydrocarbons as stoddard solvent.

µg/L = micrograms per liter, equivalent to parts per billion (ppb).

mg/L = milligrams per liter, equivalent to parts per million (ppm)

ND = not detected at or above the methods reporting limit.

NA = not analysed

Table 2 (continued)  
Analytical Results for Groundwater Samples  
2585 Nicholson Street  
San Leandro, California

Monitoring Well No.	Date	Chemicals of Concern						
		Tert-Butanol (µg/L)	Methyl- <i>tert</i> -Butyl Ether (µg/L)	Di-isopropyl Ether (µg/L)	Ethyl- <i>tert</i> -Butyl Ether (µg/L)	Tert-Amyl Methyl Ether (µg/L)	1,2-Dichloroethane (µg/L)	1,2-Dibromoethane (µg/L)
MW-1	May-99	NA	NA	NA	NA	NA	NA	NA
	Jul-99	<25	11	<0.5	<0.5	<0.5	<0.5	<0.5
MW-2	Apr-99	NA	NA	ND	NA	NA	NA	NA
	Jul-99	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-3	Apr-99	NA	NA	NA	NA	NA	NA	NA
	Jul-99	<25	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	Apr-99	NA	NA	NA	NA	NA	NA	NA
	Jul-99	<25	10	<0.5	<0.5	<0.5	<0.5	<0.5
MW-5	Apr-99	NA	ND	NA	NA	NA	NA	NA
	Jul-99	<25	7.3	<0.5	<0.5	<0.5	<0.5	<0.5

Notes and Abbreviations.

µg/L = micrograms per liter, equivalent to parts per billion (ppb).

ND = not detected at or above the method reporting limit.

NA = not analyzed

**ATTACHMENT III**

Decontamination and Groundwater Monitoring Well Sampling Procedures

## **1.0 DECONTAMINATION PROCEDURES**

The decontamination procedures for non-dedicated field equipment and well development/purging equipment are given below. These procedures are followed during all field activities.

1. Non-dedicated well development, purging, and sampling equipment is carefully pre-cleaned prior to each use, as follows:
  - a. Carefully brush off any loose foreign debris with a soft bristle brush.
  - b. Rinse the equipment thoroughly in clean water.
  - c. Wash the equipment in a non-phosphate detergent bath.
  - d. Rinse thoroughly in clean water.
  - e. Rinse thoroughly with deionized water.
  - f. Air dry in a dust-free environment.
  - g. Store in unused plastic bags or other suitable cover until use.
2. Clean disposable gloves are worn by all field personnel when handling decontaminated equipment.

## **2.0 COLLECTION OF SAMPLES**

### **2.1 Groundwater Sampling**

Groundwater samples are collected for laboratory analysis using the procedures given below.

1. Open the well and measure the organic vapor concentration with a flame-ionization detector (FID) or photoionization detector (PID).
2. Measure the water levels (if any) in the well using a decontaminated measuring device. All measurements must be made to the nearest 0.01 foot, and measured relative to the top of the casing. Record the depth of the water in the field notebook.

3. Inspect the disposable bailer to ensure that the bottom valve assembly is working correctly.
4. Begin purging the well by inserting a bailer into the PVC monitoring well casing and carefully lower it into the well. Take care to avoid agitating and aerating the fluid column in the well.
5. Slowly withdraw the bailer and transfer the water samples to a sampling containers.
6. Measure the temperature, pH, conductivity, and turbidity. Record these and all subsequent measurements in the field notebook.
7. Continue purging the well (a minimum of three well volumes) until the temperature, pH, conductivity, and turbidity have stabilized, or the well is dry.
8. When the water has recovered to 80 percent of the original level, carefully lower a new disposable bailer into the well and recover groundwater samples.
9. Fill the appropriate sample containers by releasing water from the bailer via the bottom emptying device with a minimum of agitation. The most volatile parameters are collected first, proceeding to the least volatile parameters.
10. Place the purge water in a DOT-approved 55-gallon drums.

### **3.0 ANALYSIS OF SAMPLES**

Samples are submitted to a California state-certified laboratory for analysis.

### **4.0 SAMPLE HANDLING**

#### **4.1 Sample Containers, Preservation, and Holding Times**

All samples are collected, placed in containers, preserved, and analyzed within the time constraints with applicable local, provincial, and federal procedures. All sample containers are precleaned in accordance with prescribed EPA methods. A custody seal is placed around all sample container lids to prevent leaks and unauthorized tampering with individual samples following collection and prior to the time of analysis.

## 4.2 Sample Tracking and Management

All samples are tracked using a standard chain-of-custody form. The chain of custody record includes the following information:

1. Sample number
2. Signature of collector
3. Date and time of collection
4. Sample collection location
5. Sample type
6. Signature of persons involved in the chain-of-possession
7. Inclusive dates of possession
8. Analytical parameters
9. Pertinent field observations

The custody record is completed using waterproof ink. Corrections are made by drawing a line through, initialing the error, and then entering the correct information.

Custody of the samples begins at the time of sample collection and are maintained by the sampling team supervisor until samples are relinquished for shipment to the laboratory, or until samples are hand-delivered to the designated laboratory sample custodian. Partial sample sets being accumulated for hand-delivery to the laboratory are stored in coolers with chain-of-custody records sealed in plastic bags and placed in the cooler with the sample sets.

**ATTACHMENT IV**

**Monitoring Well Purge Tables**

## MONITORING WELL PURGE TABLE

Project Number: 4422-001	Site Name: Bank of America, San Leandro, CA
Well Number: MW /	Date(s) Purged: 7-28-99
OVA - Ambient: 3 /	Purge Method:
OVA - Vault: 510	Purge Rate:
OVA - Casing: 188	Date & Time Sampled: @
Water Level - Initial: 5.85 @ 1074	Purged & Sampled: Dale Anderson
Water Level - Final: 6.2 @ 1446	Sampling Method: Dedicated Disposable Bailer
Well Depth: 18	Free Product: 0
Well Diameter: 2 inch 6 INCH	Sheen: SLIGHT
Well Casing Volume: 18.2	Odor: MODERATE HYDRO

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
1420	5	69.6	6.98	9420	2.46	LOW
1425	15	69.8	6.95	9350	NR	LOW
1428	25	69.7	7.14	9240	2.09	11
1432	30	69.2	7.02	9250	2.95	1
1434	35	70.2	6.88	9180	2.63	1
1436	40	68.2	6.73	8990	1.98	1
1438	45	67.7	6.73	8930	2.75	1
1440	50	66.8	6.51	8860	2.32	11
1443	55	67.4	6.48	8850	2.77	1
1600	Sample					

Field Notes:



## MONITORING WELL PURGE TABLE

Project Number: 4422-001	Site Name: Bank of America, San Leandro, CA
Well Number: MW 2	Date(s) Purged: 7-28-99
OVA - Ambient: 17	Purge Method:
OVA - Vault: 25	Purge Rate:
OVA - Casing: 114	Date & Time Sampled: 7/28 @ 1330
Water Level - Initial: 4.19 @ 10:53	Purged & Sampled: Dale Anderson
Water Level - Final: 4.17 @ 1330	Sampling Method: Dedicated Disposable Bailer
Well Depth: 14.2	Free Product:
Well Diameter: 2 inch	Sheen:
Well Casing Volume: 1.6	Odor:

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
1304	.25	25.2	6.48	9980	1.33	LOW
1312	1.0	21.9	6.31	9730	1.20	Med
1313	1.75	20.6	6.41	9570	1.49	11
1314	2.5	69.5	6.44	9410	1.32	11
1317	3.0	69.2	6.48	9460	1.38	11
1318	3.5	69.3	6.42	9460	1.28	11
1319	4.0	69.4	6.45	9420	1.29	4
1321	4.5	69.9	6.45	9430	1.32	11
1322	5.0	69.8	6.45	9400	1.21	11
1330	Sample					

Field Notes: FPH G/BTR  
TRH D/MO

## MONITORING WELL PURGE TABLE

Project Number: 4422-001	Site Name: Bank of America, San Leandro, CA
Well Number: MW 3	Date(s) Purged: 7-28-99
OVA - Ambient: 1	Purge Method:
OVA - Vault: 1	Purge Rate:
OVA - Casing: 1.7	Date & Time Sampled: @
Water Level - Initial: 6.37 @ 10:40	Purged & Sampled: Dale Anderson
Water Level - Final: 6.45 @ 1448 1512	Sampling Method: Dedicated Disposable Bailer
Well Depth: 13.9	Free Product: <input checked="" type="checkbox"/>
Well Diameter: 2 inch	Sheen: <input checked="" type="checkbox"/>
Well Casing Volume: 1.2	Odor: SLIGHT HYDRO

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
1426 <sup>45</sup>	.25	65.0	6.79	3800	2.25	LOW
1500	.50	66.5	6.79	3580	1.49	1/
1501	1.0	65.6	6.75	3560	1.30	r
1502	1.5	64.9	6.68	3740	1.14	M,OD
1503	2.0	64.6	6.69	4230	.93	1/
1505	2.5	64.5	6.60	4530	1.20	r
1506	3.0	64.4	6.60	4820	1.12	
1508	3.5	64.3	6.58	5180	.75	
1510	4.0	64.3	6.53	5110		
1545	sample					

Field Notes:

## MONITORING WELL PURGE TABLE

Project Number: 4422-001	Site Name: Bank of America, San Leandro, CA
Well Number: MW4	Date(s) Purged: 7-28-99
OVA - Ambient: 10	Purge Method:
OVA - Vault: 8-6	Purge Rate:
OVA - Casing: 11	Date & Time Sampled: @
Water Level - Initial: 5.84 @ 1059	Purged & Sampled: Dale Anderson
Water Level - Final: 5.91 @ 1236	Sampling Method: Dedicated Disposable Bailer
Well Depth: 141.2	Free Product:
Well Diameter: 2 inch	Sheen:
Well Casing Volume: 1.4	Odor:

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
1225	.25	75.3	6.94	1144	1.63	LOW
1227	1.0	73.2	6.85	1103	1.54	"
1228	1.5	72.3	6.87	1090	1.71	MOD
1229	2.0	71.3	6.87	1053	1.85	"
1230	2.5	71.4	6.87	1084	1.57	"
1231	3.0	71.7	6.92	1090	1.82	"
1232	3.5	71.3	6.91	1077	1.74	"
1233	4.0	70.6	6.97	1058	1.31	"
1235	4.5	70.5	6.96	1054	1.29	"
1245	Sample					

Field Notes: TP4-G  
 TP4-D/mo  
 vxyS

## MONITORING WELL PURGE TABLE

Project Number: 4422-001	Site Name: Bank of America, San Leandro, CA
Well Number: MW 45	Date(s) Purged: 7-28-99
OVA - Ambient: 5.1 ppm	Purge Method:
OVA - Vault: 6 "	Purge Rate:
OVA - Casing: 5.6 "	Date & Time Sampled: 7-28 @ 1145
Water Level - Initial: 7.11 @ 1108	Purged & Sampled: Dale Anderson
Water Level - Final: 7.70 @ 1131	Sampling Method: Dedicated Disposable Bailor
Well Depth: 4.2 15.55	Free Product:
Well Diameter: 2 inch	Sheen:
Well Casing Volume: 1.4	Odor:

Time	Purge Water Removed (gal)	Temperature (degrees Fahrenheit)	pH	Electrical Conductivity (umhos/cm)	Dissolved Oxygen (mg/l)	Turbidity
1112	.25	71.1	7.18	1357	1.93	LOW
1118	1.0	69.6	7.07	1224	2.02	"
1119	1.5	68.8	7.10	1184	1.81	"
1121	2.0	68.2	7.07	1199	1.71	"
1122	2.5	67.4	7.06	1186	2.26	"
1124	3.0	66.8	7.00	1137	1.24	"
1125	<del>4</del> 3.5	67.1	6.88	1140	1.38	"
1127	4.0	67.1	6.88	1121	1.47	"
1128	4.5	67.5	7.01	1137	1.73	
1145	Sample					

Field Notes: TP1-G -3V  
 TP14 - R/MO 2L  
 OXY5 - 3V

**ATTACHMENT V**

Laboratory Analytical Reports and Chain-of-Custody Documentation

KEMRON Environmental Services  
109 Starlite Park  
Marietta, Ohio 45750  
Phone: (740) 373-4071

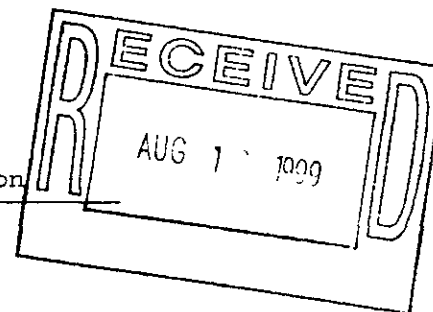
Versar, Inc.  
7844 Madison Avenue  
Suite 167  
Fair Oaks, CA 95628  
Attention: Dale Anderson

Login #: L9907543  
Report Date: 08/09/99  
Work ID: 4422-001/BANK OF AMERICA  
Date Received: 07/29/99

PO Number:  
Account Number: VERSAR-CA-503

SAMPLE IDENTIFICATION

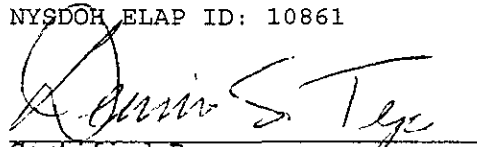
Sample Number	Sample Description	Sample Number	Sample Description
L9907543-01	MW5	L9907543-02	MW4
L9907543-03	MW2	L9907543-04	MW3
L9907543-05	MW1		



CA DOHS ID NO. 2277

All results on solids/sludges are reported on a dry weight basis, where applicable, unless otherwise specified. This report shall not be reproduced, except in full, without the written approval of KEMRON.

NYSDOH ELAP ID: 10861

  
Certified By  
Dennis S. Tepe

Order #99-07-543  
August 9, 1999 12:22

**KEMRON ENVIRONMENTAL SERVICES**  
**REPORT NARRATIVE**

One liter of MW-1 was received broken for DRO.

Order #: 99-07-543  
 August 9, 1999 12:28 pm

**KEMRON ENVIRONMENTAL SERVICES  
 WORK GROUPS**

Work Group	Run ID	Sample	Dil Type Matrix	Product	Method	Date Collected	Department
WG61794	R70941	L9907543-04	Water	Semivolatile Compounds	8270C\3510C	28-JUL-1999	Extraction
WG61794	R70941	L9907543-05	Water	Semivolatile Compounds	8270C\3510C	28-JUL-1999	Extraction
WG61795	R71308	L9907543-01	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Extraction
WG61795	R71308	L9907543-02	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Extraction
WG61795	R71308	L9907543-03	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Extraction
WG61795	R71308	L9907543-04	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Extraction
WG61795	R71308	L9907543-05	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Extraction
WG61818	R71308	L9907543-01	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Semivolatile - GC
WG61818	R71308	L9907543-02	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Semivolatile - GC
WG61818	R71308	L9907543-03	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Semivolatile - GC
WG61818	R71308	L9907543-04	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Semivolatile - GC
WG61818	R71308	L9907543-05	Water	Diesel Range Organics (GC)	8015\3510	28-JUL-1999	Semivolatile - GC
WG61888	R71039	L9907543-03	Water	Volatile Organics (BETX)	8021B	28-JUL-1999	Volatile - GC
WG61889	R71045	L9907543-01	Water	Gasoline Range Organics	8015	28-JUL-1999	Volatile - GC
WG61889	R71045	L9907543-02	Water	Gasoline Range Organics	8015	28-JUL-1999	Volatile - GC
WG61889	R71045	L9907543-03	Water	Gasoline Range Organics	8015	28-JUL-1999	Volatile - GC
WG61889	R71045	L9907543-04	Water	Gasoline Range Organics	8015	28-JUL-1999	Volatile - GC
WG61889	R71045	L9907543-05	Water	Gasoline Range Organics	8015	28-JUL-1999	Volatile - GC
WG61906	R70941	L9907543-04	Water	Semivolatile Compounds	8270C\3510C	28-JUL-1999	Semivolatile - GC/MS
WG61906	R70941	L9907543-05	Water	Semivolatile Compounds	8270C\3510C	28-JUL-1999	Semivolatile - GC/MS



Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: DRO - Diesel Range Organics (GC)

Lab Sample ID: L9907543-01  
Client Sample ID: MW5  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/03/99 Time: 13:05

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP2  
Analyst: HV  
Lab File ID: 8G012

Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015\3510  
Run ID: R71308  
Batch : WG61818

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
68334-30-5	Diesel Range Organics.....	ug/L		ND	100	1
SURROGATES- In Percent Recovery:						
	o-Terphenyl.....	98.5	( 49 - 174%)			
	Octacosane.....	97.5	( 26 - 152%)			

Product: GRO - Gasoline Range Organics

Lab Sample ID: L9907543-01  
Client Sample ID: MW5  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 14:30

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP3  
Analyst: VMN  
Lab File ID: 3G530

Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015  
Run ID: R71045  
Batch : WG61889

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
8006-61-9	Gasoline Range Organics.....	ug/L	570		100	1
SURROGATES- In Percent Recovery:						
	Chlorobenzene.....	92.3	( 64 - 148%)			

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: DRO - Diesel Range Organics (GC)

Lab Sample ID: L9907543-02  
Client Sample ID: MW4  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99

Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A

TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/03/99 Time: 13:33

Instrument: HP2  
Analyst: HV  
Lab File ID: 8G015  
Method: 8015\3510  
Run ID: R71308  
Batch : WG61818

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
68334-30-5	Diesel Range Organics.....	ug/L		ND	100	1
SURROGATES- In Percent Recovery:						
	o-Terphenyl.....	96.0	( 49 - 174%)			
	Octacosane.....	32.9	( 26 - 152%)			

Product: GRO - Gasoline Range Organics

Lab Sample ID: L9907543-02  
Client Sample ID: MW4  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99

Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A

TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 15:11

Instrument: HP3  
Analyst: VMN  
Lab File ID: 3G531  
Method: 8015  
Run ID: R71045  
Batch : WG61889

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
8006-61-9	Gasoline Range Organics.....	ug/L	120		100	1
SURROGATES- In Percent Recovery:						
	Chlorobenzene.....	89.4	( 64 - 148%)			

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: DRO - Diesel Range Organics (GC)

Lab Sample ID: L9907543-03  
Client Sample ID: MW2  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99

Sample Weight: N/A  
Extract Volume: N/A

% Solid: N/A

TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/03/99 Time: 13:42

Instrument: HP2  
Analyst: HV  
Lab File ID: 8G016

Method: 8015\3510  
Run ID: R71308  
Batch: WG61818

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
68334-30-5	Diesel Range Organics.....	ug/L		ND	100	1
SURROGATES- In Percent Recovery:						
	o-Terphenyl.....	117	( 49 - 174%)	✓		
	Octacosane.....	67.3	( 26 - 152%)			

Product: 802-BETX1 - Volatile Organics (BETX)

Lab Sample ID: L9907543-03  
Client Sample ID: MW2  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99

Sample Weight: N/A  
Extract Volume: N/A

% Solid: N/A

TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 14:24

Instrument: HP12  
Analyst: MFB  
Lab File ID: 12G862

Method: 8021B  
Run ID: R71039  
Batch: WG61888

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
71-43-2	Benzene.....	ug/L		ND	1.0	1
100-41-4	Ethylbenzene.....	ug/L		ND	1.0	1
108-88-3	Toluene.....	ug/L		ND	1.0	1
1330-20-7	Xylenes, Total.....	ug/L		ND	1.0	1
SURROGATES- In Percent Recovery:						
	a,a,a-Trifluorotoluene.....	85.3	( 82 - 123%)	✓		

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: GRO - Gasoline Range Organics

Lab Sample ID: L9907543-03  
Client Sample ID: MW2  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 15:53

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP3  
Analyst: VMN  
Lab File ID: 3G532  
Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015  
Run ID: R71045  
Batch: WG61889

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
8006-61-9	Gasoline Range Organics.....	ug/L		ND	100	1
SURROGATES- In Percent Recovery:						
	Chlorobenzene.....	95.7		( 64 - 148%)		

Product: DRO - Diesel Range Organics (GC)

Lab Sample ID: L9907543-04  
Client Sample ID: MW3  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/03/99 Time: 13:51

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP2  
Analyst: HV  
Lab File ID: 8G017  
Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015\3510  
Run ID: R71308  
Batch: WG61818

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
68334-30-5	Diesel Range Organics.....	ug/L		ND	100	1
SURROGATES- In Percent Recovery:						
	o-Terphenyl.....	73.9		( 49 - 174%)		
	Octacosane.....	56.5		( 26 - 152%)		

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 8270 - Semivolatile Compounds

Lab Sample ID: L9907543-04  
Client Sample ID: MW3  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99

Sample Weight: N/A  
Extract Volume: N/A

% Solid: N/A

TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/02/99 Time: 22:05

Instrument: HPMS5  
Analyst: MDC  
Lab File ID: 5M12084

Method: 8270C\3510C  
Run ID: R70941  
Batch: WG61906

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
108-95-2	Phenol	ug/L	ND		5.0	1
111-44-4	Bis(2-Chloroethyl) ether	ug/L	ND		5.0	1
95-57-8	2-Chlorophenol	ug/L	ND		5.0	1
541-73-1	1,3-Dichlorobenzene	ug/L	ND		5.0	1
106-46-7	1,4-Dichlorobenzene	ug/L	ND		5.0	1
100-51-6	Benzyl alcohol	ug/L	ND		5.0	1
95-50-1	1,2-Dichlorobenzene	ug/L	ND		5.0	1
95-48-7	2-Methylphenol	ug/L	ND		5.0	1
108-39-4	3-Methylphenol	ug/L	ND		5.0	1
108-60-1	bis(2-Chloroisopropyl) ether	ug/L	ND		5.0	1
106-44-5	4-Methylphenol	ug/L	ND		5.0	1
621-64-7	N-Nitroso-di-n-propylamine	ug/L	ND		5.0	1
67-72-1	Hexachloroethane	ug/L	ND		5.0	1
98-95-3	Nitrobenzene	ug/L	ND		5.0	1
78-59-1	Isophorone	ug/L	ND		5.0	1
88-75-5	2-Nitrophenol	ug/L	ND		5.0	1
105-67-9	2,4-Dimethylphenol	ug/L	ND		5.0	1
65-85-0	Benzoic acid	ug/L	ND		25	1
111-91-1	Bis(2-Chloroethoxy) Methane	ug/L	ND		5.0	1
120-83-2	2,4-Dichlorophenol	ug/L	ND		5.0	1
120-82-1	1,2,4-Trichlorobenzene	ug/L	ND		5.0	1
91-20-3	Naphthalene	ug/L	ND		5.0	1
106-47-8	4-Chloroaniline	ug/L	ND		5.0	1
87-68-3	Hexachlorobutadiene	ug/L	ND		5.0	1
59-50-7	4-Chloro-3-methylphenol	ug/L	ND		5.0	1
91-57-6	2-Methylnaphthalene	ug/L	ND		5.0	1
77-47-4	Hexachlorocyclopentadiene	ug/L	ND		5.0	1
88-06-2	2,4,6-Trichlorophenol	ug/L	ND		5.0	1
95-95-4	2,4,5-Trichlorophenol	ug/L	ND		25	1
91-58-7	2-Chloronaphthalene	ug/L	ND		5.0	1
88-74-4	2-Nitroaniline	ug/L	ND		25	1
131-11-3	Dimethylphthalate	ug/L	ND		5.0	1
208-96-8	Acenaphthylene	ug/L	ND		5.0	1
606-20-2	2,6-Dinitrotoluene	ug/L	ND		5.0	1
99-09-2	3-Nitroaniline	ug/L	ND		25	1
83-32-9	Acenaphthene	ug/L	ND		5.0	1
51-28-5	2,4-Dinitrophenol	ug/L	ND		25	1
100-02-7	4-Nitrophenol	ug/L	ND		25	1
132-64-9	Dibenzofuran	ug/L	ND		5.0	1

RL = Reporting Limit

Login #L9907543  
 August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 8270 - Semivolatile Compounds

Lab Sample ID: L9907543-04  
 Client Sample ID: MW3  
 Site/Work ID: 4422-001/BANK OF AMERICA  
 Matrix: Water

Dil. Type: N/A  
 COC Info: N/A  
 Date Collected: 07/28/99

Sample Weight: N/A  
 Extract Volume: N/A  
 % Solid: N/A

TCLP Extract Date: N/A  
 Extract Date: 07/29/99  
 Analysis Date: 08/02/99 Time: 22:05

Instrument: HPMS5  
 Analyst: MDC  
 Lab File ID: 5M12084  
 Method: 8270C\3510C  
 Run ID: R70941  
 Batch: WG61906

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
121-14-2	2,4-Dinitrotoluene.....	ug/L		ND	5.0	1
84-66-2	Diethylphthalate.....	ug/L		ND	5.0	1
7005-72-3	4-Chlorophenyl-phenyl ether.....	ug/L		ND	5.0	1
86-73-7	Fluorene.....	ug/L		ND	5.0	1
100-01-6	4-Nitroaniline.....	ug/L		ND	25	1
534-52-1	4,6-Dinitro-2-methylphenol.....	ug/L		ND	25	1
86-30-6	N-Nitrosodiphenylamine.....	ug/L		ND	5.0	1
101-55-3	4-Bromophenyl-phenylether.....	ug/L		ND	5.0	1
118-74-1	Hexachlorobenzene.....	ug/L		ND	5.0	1
87-86-5	Pentachlorophenol.....	ug/L		ND	25	1
85-01-8	Phenanthrene.....	ug/L		ND	5.0	1
120-12-7	Anthracene.....	ug/L		ND	5.0	1
84-74-2	Di-N-Butylphthalate.....	ug/L		ND	5.0	1
206-44-0	Fluoranthene.....	ug/L		ND	5.0	1
129-00-0	Pyrene.....	ug/L		ND	5.0	1
85-68-7	Butylbenzylphthalate.....	ug/L		ND	5.0	1
91-94-1	3,3'-Dichlorobenzidine.....	ug/L		ND	10	1
56-55-3	Benzo(a)anthracene.....	ug/L		ND	5.0	1
218-01-9	Chrysene.....	ug/L		ND	5.0	1
117-81-7	bis(2-Ethylhexyl)phthalate.....	ug/L		ND	5.0	1
117-84-0	Di-n-octylphthalate.....	ug/L		ND	5.0	1
205-99-2	Benzo(b)fluoranthene.....	ug/L		ND	5.0	1
207-08-9	Benzo(k)fluoranthene.....	ug/L		ND	5.0	1
50-32-8	Benzo(a)pyrene.....	ug/L		ND	5.0	1
193-39-5	Indeno(1,2,3-cd)pyrene.....	ug/L		ND	5.0	1
53-70-3	Dibenzo(a,h)Anthracene.....	ug/L		ND	5.0	1
191-24-2	Benzo(g,h,i)Perylene.....	ug/L		ND	5.0	1

SURROGATES- In Percent Recovery:

2-Fluorophenol.....	38.6	( 21 - 100%)
Phenol-d5.....	26.9	( 10 - 94%)
Nitrobenzene-d5.....	54.3	( 35 - 114%)
2-Fluorobiphenyl.....	60.6	( 43 - 116%)
2,4,6-Tribromophenol.....	80.6	( 10 - 123%)
p-Terphenyl-d14.....	59.6	( 33 - 141%)

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: GRO - Gasoline Range Organics

Lab Sample ID: L9907543-04  
Client Sample ID: MW3  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 16:53

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP3  
Analyst: VMN  
Lab File ID: 3G533  
Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015  
Run ID: R71045  
Batch: WG61889

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
8006-61-9	Gasoline Range Organics.....	ug/L	300		100	1
	<b>SURROGATES- In Percent Recovery:</b>					
	Chlorobenzene.....	97.8	( 64 - 148%)	✓		

Product: DRO - Diesel Range Organics (GC)

Lab Sample ID: L9907543-05  
Client Sample ID: MW1  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: 07/29/99  
Analysis Date: 08/03/99 Time: 14:00

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP2  
Analyst: HV  
Lab File ID: 8G018  
Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015\3510  
Run ID: R71308  
Batch: WG61818

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
68334-30-5	Diesel Range Organics.....	ug/L	1700		100	1
	<b>SURROGATES- In Percent Recovery:</b>					
	o-Terphenyl.....	100	( 49 - 174%)	✓		
	Octacosane.....	195 *	( 26 - 152%)			

RL = Reporting Limit

Login #L9907543  
 August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 8270 - Semivolatile Compounds

Lab Sample ID: L9907543-05  
 Client Sample ID: MW1  
 Site/Work ID: 4422-001/BANK OF AMERICA  
 Matrix: Water

Dil. Type: N/A  
 COC Info: N/A  
 Date Collected: 07/28/99

Sample Weight: N/A  
 Extract Volume: N/A  
 % Solid: N/A

TCLP Extract Date: N/A  
 Extract Date: 07/29/99  
 Analysis Date: 08/02/99 Time: 22:43

Instrument: HPMS5  
 Analyst: MDC  
 Lab File ID: 5M12085

Method: 8270C\3510C  
 Run ID: R70941  
 Batch: WG61906

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
108-95-2	Phenol	ug/L		ND	5.0	1
111-44-4	Bis(2-Chloroethyl) ether	ug/L		ND	5.0	1
95-57-8	2-Chlorophenol	ug/L		ND	5.0	1
541-73-1	1,3-Dichlorobenzene	ug/L		ND	5.0	1
106-46-7	1,4-Dichlorobenzene	ug/L		ND	5.0	1
100-51-6	Benzyl alcohol	ug/L		ND	5.0	1
95-50-1	1,2-Dichlorobenzene	ug/L		ND	5.0	1
95-48-7	2-Methylphenol	ug/L		ND	5.0	1
108-39-4	3-Methylphenol	ug/L		ND	5.0	1
108-60-1	bis(2-Chloroisopropyl) ether	ug/L		ND	5.0	1
106-44-5	4-Methylphenol	ug/L		ND	5.0	1
621-64-7	N-Nitroso-di-n-propylamine	ug/L		ND	5.0	1
67-72-1	Hexachloroethane	ug/L		ND	5.0	1
98-95-3	Nitrobenzene	ug/L		ND	5.0	1
78-59-1	Isophorone	ug/L		ND	5.0	1
88-75-5	2-Nitrophenol	ug/L		ND	5.0	1
105-67-9	2,4-Dimethylphenol	ug/L		ND	5.0	1
65-85-0	Benzoic acid	ug/L		ND	25	1
111-91-1	Bis(2-Chloroethoxy) Methane	ug/L		ND	5.0	1
120-83-2	2,4-Dichlorophenol	ug/L		ND	5.0	1
120-82-1	1,2,4-Trichlorobenzene	ug/L		ND	5.0	1
91-20-3	Naphthalene	ug/L	10	ND	5.0	1
106-47-8	4-Chloroaniline	ug/L		ND	5.0	1
87-68-3	Hexachlorobutadiene	ug/L		ND	5.0	1
59-50-7	4-Chloro-3-methylphenol	ug/L		ND	5.0	1
91-57-6	2-Methylnaphthalene	ug/L	6.5	ND	5.0	1
77-47-4	Hexachlorocyclopentadiene	ug/L		ND	5.0	1
88-06-2	2,4,6-Trichlorophenol	ug/L		ND	5.0	1
95-95-4	2,4,5-Trichlorophenol	ug/L		ND	25	1
91-58-7	2-Chloronaphthalene	ug/L		ND	5.0	1
88-74-4	2-Nitroaniline	ug/L		ND	25	1
131-11-3	Dimethylphthalate	ug/L		ND	5.0	1
208-96-8	Acenaphthylene	ug/L		ND	5.0	1
606-20-2	2,6-Dinitrotoluene	ug/L		ND	5.0	1
99-09-2	3-Nitroaniline	ug/L		ND	25	1
83-32-9	Acenaphthene	ug/L		ND	5.0	1
51-28-5	2,4-Dinitrophenol	ug/L		ND	25	1
100-02-7	4-Nitrophenol	ug/L		ND	25	1
132-64-9	Dibenzofuran	ug/L		ND	5.0	1

RL = Reporting Limit



Login #L9907543  
 August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: 8270 - Semivolatile Compounds

Lab Sample ID: L9907543-05  
 Client Sample ID: MW1  
 Site/Work ID: 4422-001/BANK OF AMERICA  
 Matrix: Water

Dil. Type: N/A  
 COC Info: N/A  
 Date Collected: 07/28/99

Sample Weight: N/A  
 Extract Volume: N/A  
 % Solid: N/A

TCLP Extract Date: N/A  
 Extract Date: 07/29/99  
 Analysis Date: 08/02/99 Time: 22:43

Instrument: HPMS5  
 Analyst: MDC  
 Lab File ID: 5M12085

Method: 8270C\3510C  
 Run ID: R70941  
 Batch: WG61906

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
121-14-2	2,4-Dinitrotoluene	ug/L	ND		5.0	1
84-66-2	Diethylphthalate	ug/L	ND		5.0	1
7005-72-3	4-Chlorophenyl-phenyl ether	ug/L	ND		5.0	1
86-73-7	Fluorene	ug/L	ND		5.0	1
100-01-6	4-Nitroaniline	ug/L	ND		25	1
534-52-1	4,6-Dinitro-2-methylphenol	ug/L	ND		25	1
86-30-6	N-Nitrosodiphenylamine	ug/L	ND		5.0	1
101-55-3	4-Bromophenyl-phenylether	ug/L	ND		5.0	1
118-74-1	Hexachlorobenzene	ug/L	ND		5.0	1
87-86-5	Pentachlorophenol	ug/L	ND		25	1
85-01-8	Phenanthrene	ug/L	ND		5.0	1
120-12-7	Anthracene	ug/L	ND		5.0	1
84-74-2	Di-N-Butylphthalate	ug/L	ND		5.0	1
206-44-0	Fluoranthene	ug/L	ND		5.0	1
129-00-0	Pyrene	ug/L	ND		5.0	1
85-68-7	Butylbenzylphthalate	ug/L	ND		5.0	1
91-94-1	3,3'-Dichlorobenzidine	ug/L	ND		10	1
56-55-3	Benzo(a)anthracene	ug/L	ND		5.0	1
218-01-9	Chrysene	ug/L	ND		5.0	1
117-81-7	bis(2-Ethylhexyl)phthalate	ug/L	ND		5.0	1
117-84-0	Di-n-octylphthalate	ug/L	ND		5.0	1
205-99-2	Benzo(b)fluoranthene	ug/L	ND		5.0	1
207-08-9	Benzo(k)fluoranthene	ug/L	ND		5.0	1
50-32-8	Benzo(a)pyrene	ug/L	ND		5.0	1
193-39-5	Indeno(1,2,3-cd)pyrene	ug/L	ND		5.0	1
53-70-3	Dibenzo(a,h)Anthracene	ug/L	ND		5.0	1
191-24-2	Benzo(g,h,i)Perylene	ug/L	ND		5.0	1

SURROGATES- In Percent Recovery:

2-Fluorophenol	33.3	( 21 - 100%)
Phenol-d5	22.3	( 10 - 94%)
Nitrobenzene-d5	53.2	( 35 - 114%)
2-Fluorobiphenyl	54.1	( 43 - 116%)
2,4,6-Tribromophenol	87.1	( 10 - 123%)
p-Terphenyl-d14	67.7	( 33 - 141%)

RL = Reporting Limit

Login #L9907543  
August 9, 1999 12:28 pm

KEMRON ENVIRONMENTAL SERVICES

Product: GRO - Gasoline Range Organics

Lab Sample ID: L9907543-05  
Client Sample ID: MW1  
Site/Work ID: 4422-001/BANK OF AMERICA  
Matrix: Water  
TCLP Extract Date: N/A  
Extract Date: N/A  
Analysis Date: 07/30/99 Time: 17:34

Dil. Type: N/A  
COC Info: N/A  
Date Collected: 07/28/99  
Instrument: HP3  
Analyst: VMN  
Lab File ID: 3G534

Sample Weight: N/A  
Extract Volume: N/A  
% Solid: N/A  
Method: 8015  
Run ID: R71045  
Batch : WG61889

CAS #	Compound	Units	Result	Qualifiers	RL	Dilution
8006-61-9	Gasoline Range Organics.....	ug/L	3500		100	1
	<b>SURROGATES- In Percent Recovery:</b>					
	Chlorobenzene.....	104	( 64 - 148%)	✓		

KEMRON ANALYST LIST

Ohio Valley Laboratory

07/29/99

---

ALC - - Ann L. Clark  
BAD - - Becky A. Diehl  
CAR - - Caleb A. Robinson  
CBN - - C. Brian Noll  
CEB - - Chad E. Barnes  
CDB - - Christy D. Burton  
CG - - Cheryl Graham  
CK - - Carl King  
CMS - - Crystal M. Stevens  
CRC - - Carla R. Cochran  
DIH - - Deanna I. Hesson  
DLN - - Deanna L. Norton  
DLP - - Dorothy L. Payne  
DMD - - David M. Dye  
ECL - - Eric C. Lawson  
FEH - - Fay E. Harmon  
GWH - - George W. Hutchinson  
HLC - - Holly L. Currey  
HV - - Hema Vilasagar  
JCR - - Jennifer C. Randall  
JDN - - Jamie D. Newell  
JG - - Jonathan Graziani  
JLH - - Janice L. Holland  
JWR - - John W. Richards  
JYH - - Ji Y. Hu

KAS - - Kevin A Stutler  
KHA - - Kim H. Archer  
KJS - - Kara J. Stump  
KRA - - Kathy R. Albertson  
LKM - - Laura K. Morris  
MDA - - Mike D. Albertson  
MDC - - Michael D. Cochran  
MES - - Mary E. Schiling  
MLS - - Michael L. Schimmel  
MMB - - Maren M. Beery  
RDC - - Rebecca D. Cutlip  
RDS - - Rebecca D. Sutton  
REF - - Ron E. Fertile  
REK - - Robert E. Kyer  
RSS - - Regina S. Simmons  
RWC - - Rodney W. Campbell  
SJK - - Sindy J. Kinney  
SJM - - Shawn J. Marshall  
SLP - - Sheri L. Pfalzgraf  
SLT - - Stephanie L. Tepe  
SMW - - Shauna M. Welch  
SPL - - Steve P. Learn  
SPS - - Steve P. Swatzel  
TRS - - Todd R. Stack  
VC - - Vicki Collier  
VMN - - Vincent M. Nedeff

KEMRON Environmental Services, Inc.  
 LIST OF VALID QUALIFIERS (qual)  
 December 10, 1998

Qualifier	Description	Qualifier	Description
A	See the report narrative	N	Tentatively Identified Compound (TIC)
NA	Not applicable	ND	Not detected at or above the reporting limit (RL)
+	Correlation coefficient for the MSA is less than 0.995	NF	Not found
<	Less than	NFL	No free liquid
>	Greater than	NI	Non-ignitable
B	Present in the method blank	NR	Analyte is not required to be analyzed
C	Confirmed by GC/MS	NS	Not spiked
*	Surrogate or spike compound out of range	P	Concentration > 25% difference between the two GC columns
CG	Confluent growth	QNS	Quantity not sufficient to perform analysis
D	The analyte was quantified at a secondary dilution factor	R	Analyte exceeds regulatory limit
DL	Surrogate or spike was diluted out	RA	Reanalysis confirms reported results
E	Estimated concentration due to sample matrix interference	RE	Reanalysis confirms sample matrix interference
F	Present below nominal reporting limit (AFCEE only)	S	Analyzed by method of standard addition
FL	Free liquid	SMI	Sample matrix interference on surrogate
I	Semiquantitative result, out of instrument calibration range	SP	Reported results are for spike compounds only
J	Present below nominal reporting limit	TNTC	Too numerous to count
L	Sample reporting limits elevated due to matrix interference	U	Analyzed for but not detected
M	Duplicate injection precision not met	W	Post-digestion spike for furnace AA out of control limits
		Z	Can not be resolved from isomer. See below.

**Special Notes for Organic Analytes**

1. Acrolein and acrylonitrile by method 624 are semiquantitative screens only.
2. 1,2-Diphenylhydrazine is unstable and is reported as azobenzene.
3. N-nitrosodiphenylamine cannot be separated from diphenylamine.
4. 3-Methyphenol and 4-Methyphenol are unresolvable compounds.
5. m-Xylene and p-Xylene are unresolvable compounds.
6. The reporting limits for Appendix II/IX compounds by method 8270 are based on EPA estimated PQLs referenced in 40 CFR Part 264, Appendix IX. They are not always achievable for every compound and are matrix dependent.

# ***ORGANIC QA/QC***

## Kemron Environmental Services

Volatile Quality Control Summary  
Method 8015B

Workgroup	WG61889
RunDate	30-Jul-99
Matrix	WATER
Instrument	HP3
Analyst	VMN

BLK FLNM:	3G528
LCS FLNM:	3G529
SMPL Num:	07-543-03
SMPL FLNM:	3G532
MS FLNM:	3G535
MSD FLNM:	3G536

LCS DF:	1
SMPL DF:	1
MS DF:	1
MSD DF:	1

Daily QA Information	MDL	Concentration, PPB							Percent Recovery					% RPD		Outliers				
		BLK	LCS	LCS Spike Level	SMPL	MS	MSD	MS Spike Level	LCS	LCS Limit	MS	MSD	MS Limit	MS	RPD	UCL	LCS	MS	MSD	%RPD
Target Analytes	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	%	%	%	%	%	%	%					
GRO	13.35	ND	994.1	900.0	ND	1115.3	1089.1	900.0	110.5	84 - 115	123.9	121.0	84 - 115	2.4	15.0			H	H	
Surrogate Standard		BLK	LCS		SMPL	MS	MSD	SS Spike Level	BLK	LCS		SMPL	MS	MSD	Surrogate Limit	BLK	LCS	SMPL	MS	MSD
chlorobenzene		28.9	31.0		28.7	32.3	31.4	30.0	89.5	103.2		95.7	107.8	104.8	74 - 138					

**Notes and Definitions**

MDL = Method Detection Limit

BLK = Method Blank

LCS = Laboratory Control Sample

SMPL = Sample Results

MS/MSD = Matrix Spike / Matrix Spike Duplicate

UPL = Upper Control Limit

RPD = Relative Percent Difference

ND = Not Detected

NA = Not Applicable

DF = Dilution Factor

DL = Diluted Out

SS = Surrogate Standard

L = Low

H = High

KEMRON ENVIRONMENTAL SERVICES, OVL  
SEMI-VOLATILES QUALITY CONTROL SUMMARY

ANAL WORK GRP : WG61906  
METHOD : 8270  
MATRIX : WATER  
CONCENTRATION UNITS : UGL  
PREP WORK GRP : WG61794

EXT DATE : 7/29/99  
BENCH SHEET : V120P147  
BLK FLNM : 5M12045  
LCS FLNM : 5M12046

RUN DATE : 7/30/99  
SMPL ID : L9907536-17  
SMPL FLNM : 5M12048  
MS FLNM : 5M12049  
MSD FLNM : 5M12050

INSTRUMENT : HPMSS  
ANALYST : mdc

ANALYTE	CONCENTRATION , ug/L								PERCENT RECOVERY , %								PERCENT			BEYOND LIMITS						
	RDL	BLANK	LCS SPIKE		MS SPIKE		MSD	BLANK	LCS	LCS LCL	LCS UCL	SAMPLE	MS	MSD	MS LCL	MS UCL	MSD RPD	RPD UCL	RPD > LIMIT	SAMPLE	BLANK	LCS	MS	MSD		
			ADDED	LCS	SAMPLE	ADDED																			MS	
PYRIDINE	5.0	ND	50	11.4	ND	100	9.0	31.2	NA	22.7	5	150	NA	9.0	31.2	5	150	110	40							
N-NITROSODIMETHYLAMINE	5.0	ND	50	28.9	ND	100	47.9	43.1	NA	57.9	5	150	NA	47.9	43.1	5	150	11	40							
ANILINE	10.0	ND	50	39.5	ND	100	45.0	53.1	NA	78.9	5	150	NA	45.0	53.1	5	150	17	40							
PHENOL	5.0	ND	50	19.3	ND	100	29.8	28.3	NA	38.6	5	112	NA	29.8	28.3	5	112	12	40							
BIS(2-CHLOROETHYL)ETHER	5.0	ND	50	40.7	ND	100	64.9	62.6	NA	81.3	12	158	NA	64.9	62.6	12	158	4	40							
2-CHLOROPHENOL	5.0	ND	50	39.7	ND	100	62.4	58.4	NA	79.4	23	134	NA	62.4	58.4	23	134	7	40							
1,3-DICHLOROBENZENE	5.0	ND	50	33.5	ND	100	57.1	52.6	NA	67.0	5	172	NA	57.1	52.6	5	172	8	40							
1,4-DICHLOROBENZENE	10.0	ND	50	32.8	ND	100	55.7	51.9	NA	65.3	20	124	NA	55.7	51.9	20	124	7	40							
BENZYL ALCOHOL	5.0	ND	50	42.3	ND	100	65.1	60.8	NA	84.6	5	150	NA	65.1	60.8	5	150	7	40							
1,2-DICHLOROBENZENE	5.0	ND	50	34.4	ND	100	66.1	62.8	NA	68.8	32	129	NA	66.1	62.8	32	129	5	40							
2-METHYLPHENOL	5.0	ND	50	38.6	ND	100	60.2	56.6	NA	77.2	5	150	NA	60.2	56.6	5	150	6	40							
BIS(2-CHLOROISOPROPYL)ETH	5.0	ND	50	40.0	ND	100	63.7	63.2	NA	80.1	38	168	NA	63.7	63.2	38	168	1	40							
3- & 4-METHYLPHENOL	5.0	ND	50	37.2	ND	100	56.2	53.6	NA	74.4	5	150	NA	56.2	53.6	5	150	5	40							
N-NITROSO-DI-N-PROPYLAMIN	5.0	ND	50	43.0	ND	100	72.2	71.0	NA	86.0	5	230	NA	72.2	71.0	5	230	2	40							
HEXACHLOROETHANE	5.0	ND	50	33.9	ND	100	162.7	167.0	NA	67.9	40	113	NA	162.7	167.0	40	113	3	40					H	H	
NITROBENZENE	5.0	ND	50	40.6	ND	100	75.4	72.8	NA	81.3	35	180	NA	75.4	72.8	35	180	4	40							
ISOPHORONE	5.0	ND	50	51.3	ND	100	78.1	75.4	NA	102.5	21	196	NA	78.1	75.4	21	196	4	40							
2-NITROPHENOL	5.0	ND	50	42.1	ND	100	66.3	63.8	NA	84.2	29	182	NA	66.3	63.8	29	182	4	40							
2,4-DIMETHYLPHENOL	5.0	ND	50	47.0	13.8	100	87.3	87.6	NA	94.0	32	119	NA	73.4	73.8	32	119	0	40							
BIS(2-CHLOROETHOXY)METHA	25.0	ND	50	45.8	ND	100	71.8	69.2	NA	91.8	33	184	NA	71.8	69.2	33	184	3	40							
BENZOIC ACID	5.0	ND	50	15.0	ND	100	46.0	46.5	NA	29.9	5	150	NA	46.0	46.5	5	150	1	40							
2,4-DICHLOROPHENOL	5.0	ND	50	44.5	ND	100	69.9	68.0	NA	89.1	39	135	NA	69.9	68.0	39	135	3	40							
1,2,4-TRICHLOROBENZENE	5.0	ND	50	36.2	ND	100	61.0	54.9	NA	72.4	44	142	NA	61.0	54.9	44	142	10	40							
NAPHTHALENE	5.0	ND	50	38.3	58.2	100	119.7	122.1	NA	78.5	21	133	NA	81.5	84.0	21	133	2	40							
4-CHLOROANILINE	5.0	ND	50	47.1	ND	100	70.8	70.3	NA	94.1	5	150	NA	70.8	70.3	5	150	1	40							
HEXACHLOROBUTADIENE	10.0	ND	50	38.5	ND	100	64.4	58.4	NA	78.9	24	116	NA	64.4	58.4	24	116	10	40							
4-CHLORO-3-METHYLPHENOL	5.0	ND	50	45.9	ND	100	86.6	91.0	NA	91.8	22	147	NA	86.6	91.0	22	147	5	40							
2-METHYLNAPHTHALENE	5.0	ND	50	40.8	5.3	100	71.8	69.0	NA	81.8	5	150	NA	66.5	63.7	5	150	4	40							
HEXACHLOROCYCLOPENTADI	5.0	ND	50	39.7	ND	100	54.9	45.1	NA	79.4	5	150	NA	54.9	45.1	5	150	20	40							
2,4,6-TRICHLOROPHENOL	25.0	ND	50	47.3	ND	100	80.7	83.0	NA	94.6	37	144	NA	80.7	83.0	37	144	3	40							
2,4,5-TRICHLOROPHENOL	5.0	ND	50	47.1	ND	100	89.4	91.6	NA	94.2	5	150	NA	89.4	91.6	5	150	2	40							
2-CHLORONAPHTHALENE	25.0	ND	50	41.5	ND	100	67.5	62.8	NA	82.9	60	118	NA	67.5	62.8	60	118	7	40							
2-NITROANILINE	5.0	ND	50	47.1	ND	100	93.4	95.7	NA	94.2	5	150	NA	93.4	95.7	5	150	2	40							
DIMETHYLPHTHALATE	5.0	ND	50	47.5	ND	100	87.5	90.0	NA	95.0	5	112	NA	87.5	90.0	5	112	3	40							
ACENAPHTHYLENE	5.0	ND	50	47.5	ND	100	77.7	75.1	NA	94.9	33	145	NA	77.7	75.1	33	145	3	40							
2,6-DINITROTOLUENE	5.0	ND	50	48.7	ND	100	93.8	97.0	NA	97.3	50	158	NA	93.8	97.0	50	158	3	40							
3-NITROANILINE	25.0	ND	50	49.4	ND	100	93.6	95.7	NA	98.8	5	150	NA	93.6	95.7	5	150	2	40							
ACENAPHTHENE	5.0	ND	50	44.1	ND	100	75.7	73.9	NA	88.1	47	145	NA	75.7	73.9	47	145	2	40							
2,4-DINITROPHENOL	25.0	ND	50	31.8	ND	100	70.3	70.2	NA	63.6	5	191	NA	70.3	70.2	5	191	0	40							
4-NITROPHENOL	25.0	ND	50	22.4	ND	100	49.5	47.6	NA	44.9	5	132	NA	49.5	47.6	5	132	4	40							
DIBENZOFURAN	5.0	ND	50	45.3	ND	100	79.0	79.5	NA	90.6	5	150	NA	79.0	79.5	5	150	1	40							
2,4-DINITROTOLUENE	5.0	ND	50	52.7	ND	100	105.8	107.2	NA	105.3	39	139	NA	105.8	107.2	39	139	1	40							

NOTES & DEFINITIONS :  
NA = NOT APPLICABLE  
ND = NOT DETECTED  
RDL=REPORTING DETECTION LIMIT

NS = NOT SPIKED  
L= below QC limit  
H=above QC limit

KEMRON ENVIRONMENTAL SERVICES , OVL  
SEMI-VOLATILES QUALITY CONTROL SUMMARY

ANAL WORK GRP : WG61906  
METHOD : 8270  
MATRIX : WATER  
CONCENTRATION UNITS : UG/L  
PREP WORK GRP : WG61794

EXT DATE : 7/29/99  
BENCH SHEET : V120P147  
BLK FLNM : 5M12045  
LCS FLNM : 5M12046

RUN DATE : 7/30/99  
SMPL ID : L9907536-17  
SMPL FLNM : 5M12048  
MS FLNM : 5M12049  
MSD FLNM : 5M12050

INSTRUMENT : HPMS5  
ANALYST : mdc

ANALYTE	CONCENTRATION , ug / L								PERCENT RECOVERY , %								PERCENT			BEYOND LIMITS					
	RDL	LCS SPIKE			MS SPIKE			MSD	BLANK	LCS	LCS LCL	LCS UCL	SAMPLE	MS	MSD	MS LCL	MS UCL	MSD RPD	RPD UCL	BEYOND RPD LIMIT	SAMPLE BLANK	LCS	MS	MSD	
		BLANK	ADDED	LCS	SAMPLE	ADDED	MS																		
DIETHYLPHTHALATE	5.0	ND	50	50.1	ND	100	100.4	102.6	NA	100.3	5	114	NA	100.4	102.6	5	114	2	40						
FLUORENE	5.0	ND	50	46.1	ND	100	85.4	86.5	NA	92.2	25	158	NA	85.4	86.5	25	158	1	40						
4-CHLOROPHENYL-PHENYL ET	5.0	ND	50	45.6	ND	100	80.7	82.6	NA	91.1	59	121	NA	80.7	82.6	59	121	2	40						
4-NITROANILINE	25.0	ND	50	50.5	ND	100	97.9	101.4	NA	101.0	5	150	NA	97.9	101.4	5	150	4	40						
1,2-DIPHENYLHYDRAZINE *	5.0	ND	50	47.0	ND	100	86.4	88.6	NA	93.9	5	150	NA	86.4	88.6	5	150	3	40						
4,6-DINITRO-2-METHYLPHENO	25.0	ND	50	48.1	ND	100	95.4	93.1	NA	96.1	5	181	NA	95.4	93.1	5	181	2	40						
N-NITROSODIPHENYLAMINE **	5.0	ND	50	49.2	ND	100	99.5	101.2	NA	98.4	5	150	NA	99.5	101.2	5	150	2	40						
4-BROMOPHENYL-PHENYL ET	5.0	ND	50	42.4	ND	100	82.5	83.8	NA	84.8	53	127	NA	82.5	83.8	53	127	2	40						
HEXACHLOROBENZENE	5.0	ND	50	48.7	ND	100	95.8	95.8	NA	97.3	5	152	NA	95.8	95.8	5	152	0	40						
PENTACHLOROPHENOL	25.0	ND	50	47.7	ND	100	112.6	115.9	NA	95.4	14	176	NA	112.6	115.9	14	176	3	40						
PHENANTHRENE	5.0	ND	50	46.6	5.3	100	100.5	102.0	NA	93.1	54	120	NA	95.2	96.7	54	120	1	40						
ANTHRACENE	5.0	ND	50	49.5	ND	100	102.8	103.3	NA	98.9	27	133	NA	102.8	103.3	27	133	1	40						
CARBAZOLE	5.0	ND	50	53.2	ND	100	129.1	133.2	NA	106.4	5	150	NA	129.1	133.2	5	150	3	40						
DI-N-BUTYLPHTHALATE	5.0	ND	50	61.9	ND	100	107.4	110.5	NA	103.8	1	118	NA	107.4	110.5	1	118	3	40						
FLUORANTHENE	5.0	ND	50	50.3	ND	100	103.8	106.9	NA	100.6	26	137	NA	103.8	106.9	26	137	3	40						
PYRENE	5.0	ND	50	50.8	ND	100	103.0	103.4	NA	101.2	52	115	NA	103.0	103.4	52	115	0	40						
BUTYLBENZYLPHTHALATE	5.0	ND	50	56.6	ND	100	115.2	117.3	NA	113.3	5	152	NA	115.2	117.3	5	152	2	40						
BENZO(A)ANTHRACENE	10.0	ND	50	52.1	ND	100	105.7	106.7	NA	104.2	5	262	NA	105.7	106.7	5	262	1	40						
3,3'-DICHLOROBENZIDINE	5.0	ND	50	57.6	ND	100	31.0	29.7	NA	115.2	33	143	NA	31.0	29.7	33	143	4	40						
CHRYSENE	5.0	ND	50	51.7	ND	100	104.0	105.3	NA	103.3	17	168	NA	104.0	105.3	17	168	1	40						
BIS(2-ETHYLHEXYL)PHTHALAT	5.0	ND	50	55.5	ND	100	113.5	116.1	NA	111.0	8	158	NA	113.5	116.1	8	158	2	40						
DI-N-OCTYLPHTHALATE	5.0	ND	50	58.0	ND	100	119.3	129.2	NA	115.9	4	146	NA	119.3	129.2	4	146	8	40						
BENZO(B)FLUORANTHENE	5.0	ND	50	51.1	ND	100	108.6	105.0	NA	102.2	24	159	NA	108.6	105.0	24	159	3	40						
BENZO(K)FLUORANTHENE	5.0	ND	50	52.4	ND	100	98.2	109.0	NA	104.7	11	162	NA	98.2	109.0	11	162	10	40						
BENZO(A)PYRENE	5.0	ND	50	54.0	ND	100	108.7	111.3	NA	108.1	17	163	NA	108.7	111.3	17	163	2	40						
INDENO(1,2,3-CD)PYRENE	5.0	ND	80	52.8	ND	100	103.8	99.5	NA	105.6	5	171	NA	103.8	99.5	5	171	4	40						
DIBENZ(A,H)ANTHRACENE	5.0	ND	50	54.3	ND	100	107.7	103.8	NA	108.6	5	227	NA	107.7	103.8	5	227	4	40						
BENZO(G,H,I)PERYLENE	5.0	ND	50	51.9	ND	100	102.0	95.2	NA	103.8	5	219	NA	102.0	95.2	5	219	7	40						
SURROGATES																									
2-FLUOROPHENOL		51.6	100	59.8	44.4	100	46.5	40.7	51.6	59.8	21	100	44.4	46.5	40.7	21	100								
PHENOL - D5		33.7	100	41.1	28.8	100	30.4	26.4	33.7	41.1	10	94	28.8	30.4	26.4	10	94								
NITROBENZENE - D5		38.7	50	45.2	34.0	50	34.7	33.4	77.4	90.4	35	114	68.0	69.4	66.8	35	114								
2-FLUOROBIPHENYL		39.6	50	49.9	38.1	50	38.3	36.0	79.1	99.8	43	116	72.2	76.6	71.9	43	116								
2,4,6-TRIBROMOPHENOL		92.3	100	105.1	107.8	100	106.1	109.5	92.3	105.1	10	123	107.8	106.1	109.5	10	123								
p-TERPHENYL - D14		55.9	50	59.1	41.5	50	55.4	55.0	111.8	118.2	33	141	83.0	110.7	110.0	33	141								

NOTES & DEFINITIONS :

NS = NOT SPIKED



KEMRON ENVIRONMENTAL SERVICES, OVL  
SEMI-VOLATILES QUALITY CONTROL SUMMARY

ANAL WORK GRP : WG81818  
 METHOD : 8015  
 MATRIX : WATER  
 CONCENTRATION UNITS : ug / l  
 PREP WORK GRP : WG81795

EXT DATE : 07-29-99  
 EXT BENCH SHEET : V120-P145  
 BLK FILENAME : 8G010  
 LCS FILENAME : 8G011  
 INSTRUMENT : HP 2

RUN DATE : 08-03-99  
 SMPL ID : 07-543-01  
 SMPL FLNM : 8G012  
 MS FLNM : 8G013  
 MSD FLNM : 8G014

ANALYTE	CONCENTRATION , ug / l									PERCENT RECOVERY , %									PERCENT			
	RDL	BLANK	LCS SPIKE ADDED	LCS	LCS DUP	SAMPLE	MS SPIKE ADDED	MS	MSD	BLANK	LCS	LCS DUP	LCS LCL	LCS UCL	SAMPLE	MS	MSD	MS LCL	MS UCL	DUP RPD	MSD RPD	RPD UCL
DIESEL	500	ND	1000	1008	NA	ND	2000	2260	1940	NA	101	NA	51	154	NA	113	97.0	18	165	NA	15	20
UNROGATE																						
O-TERPHENYL	16.2		20	22.0	NA	19.7	40	52.2	49.9	80.8	110	NA	49	174	98.4	131	125	18	165	NA	5	20
OCTACOSANE	20.6		20	23.1	NA	19.5	40	54.3	38.8	102	115	NA	28	152	97.4	136	81.4	28	152	NA	39	20

## NOTES &amp; DEFINITIONS :

NA = NOT APPLICABLE

ND = NOT DETECTED

RDL=REPORTING DETECTION LIMIT

# EXCELCHEM ENVIRONMENTAL LABS



500 Giuseppe Court, Suite 9  
Roseville, CA 95678

Phone#: (916) 773-3664 Fax#: (916) 773-4784

## ANALYSIS REPORT

Attention: Dale Anderson  
Versar  
7844 Madison Avenue, Suite 167  
Fair Oaks, CA 95628  
Project: Bank of America San Leandro/4422-001  
Method: EPA 8260

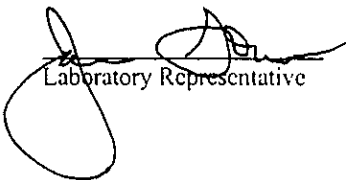
Date Sampled: 07/28/99  
Date Received: 07/29/99  
Date Analyzed: 08/03/99  
Matrix: Water  
Units: ug/L

Client Sample I.D.	MW 5		MW 4		MW 3		MW 1	
LAB. NO.	W0799350		W0799351		W0799352		W0799353	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results
Tert-Butanol	25	ND	25	ND	25	ND	250	ND
MTBE	0.5	7.3	0.5	10.0	0.5	ND	5	11
Di-isopropyl Ether	0.5	ND	0.5	ND	0.5	ND	5	ND
Ethyl tert-Butyl Ether	0.5	ND	0.5	ND	0.5	ND	5	ND
Tert-Amyl methyl Ether	0.5	ND	0.5	ND	0.5	ND	5	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	5	252
1,2-dichloroethane	0.5	ND	0.5	ND	0.5	ND	5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	5	23
1,2-dibromoethane	0.5	ND	0.5	ND	0.5	ND	5	ND
Ethyl Benzene	0.5	ND	0.5	ND	0.5	ND	5	43
Xylenes	0.5	ND	0.5	ND	0.5	ND	5	179

SURROGATE % RECOVERY				
Dibromofluoromethane	111	108	108	105
Toluene-d8	99	95	97	100
4-bromofluorobenzene	95	95	96	97

QA/QC % RECOVERY			
	LCS	LCSD	Date Analyzed
1,1-dichloroethene	102	103	08/03/99
Benzene	101	109	08/03/99
Trichloroethene	95	94	08/03/99
Toluene	95	100	08/03/99
Chlorobenzene	98	98	08/03/99

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.  
R/L = Reporting Limit

  
Laboratory Representative

08/09/99  
Date Reported

CHAIN OF CUSTODY RECORD

7991058

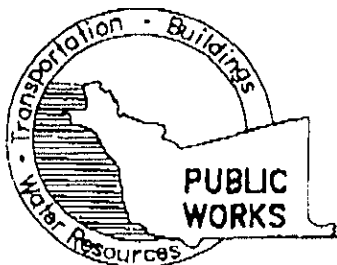
PROJECT NO. 4422-001		PROJECT NAME BANK OF AMERICA SAN LEANDRO													
SAMPLERS: (Signature) Dale Anderson					(Printed) DALE ANDERSON					NO. OF CONTAINERS F.O. T. BOTT 8260		RECEIVE JUL 16 1999		SCENE SAMPLE	N
FIELD SAMPLE NUMBER	DATE 1999	TIME	COMP.	GRAB	STATION LOCATION									REMARKS	
mw5	7/28	1145		X	3	X	W	0	7	9	9	3	5	0	
mw4		1245			1	X						3	5	1	
<del>mw2</del>		<del>1330</del>													<del>001</del>
mw3		1345				X						3	5	2	
mw1	7/29	1600			3	X						3	5	3	
Relinquished by: (Signature) Dale Anderson		Date / Time 7/29/99 9:20		Received by: (Signature) Charles Henderson			Relinquished by: (Signature)		Date / Time		Received by: (Signature)				
(Printed) DALE ANDERSON				(Printed) Charles Henderson			(Printed)				(Printed)				
Relinquished by: (Signature)		Date / Time		Received for Laboratory by: (Signature)			Date / Time		Remarks						
(Printed)				(Printed)					MTBE, TAME, DIPE, ETBE, TBA, EDB, EDC STD VIT						

PROJECT NO.		PROJECT NAME				PARAMETERS							INDUSTRIAL HYGIENE SAMPLE	Y
4422-001		BANK OF AMERICA SAN LEANDRO				NO. OF CONTAINERS TAT 5 827M TPI 10/NO 8015 M BTEX 8020 SIOC 8270								N
SAMPLERS: (Signature) Dale Anderson					(Printed) DALE ANDERSON									
FIELD SAMPLE NUMBER	DATE 1999	TIME	COMP.	GRAB	STATION LOCATION									
MW 5	7/28	1145		X		5	X	X						WATER
MW 4		1245				5	X	X						
MW 2		1330				6	X	X	X					
MW 3		1545				7	X	X		X				
MW 1	∇	1600		∇		7	X	X		X				(1) DRO rec'd broken (619) 7-29-99
<i>sd</i>														
Relinquished by: (Signature) Dale Anderson			Date / Time 7/28 1730		Received by: (Signature)			Relinquished by: (Signature)			Date / Time		Received by: (Signature)	
(Printed) DALE ANDERSON			TO FLD LR		(Printed)			(Printed)					(Printed)	
Relinquished by: (Signature)			Date / Time		Received for Laboratory by: (Signature)			Date / Time		Remarks				
(Printed)					Drenda Gregory			7/29/99 0959		LOW DETECTION LIMITS STD TAT <sup>0</sup> of c. dated SP 10/9 7-29-99 4.0 water Temp 5.0 (619)				



**ATTACHMENT VI**

Alameda County Public Works Agency Well Search Results



COUNTY OF ALAMEDA  
 PUBLIC WORKS AGENCY  
 951 Turner Court, Room 300  
 Hayward, CA 94545-2651

**FAX TRANSMITTAL**

TO: TIM BERGER-

DATE: 9/12/99

FAX NO.: 916-962-2678

TRANSMITTING THE FOLLOWING:

TITLE/DESCRIPTION

WELL SURVEY INFO-

4 TOTAL PAGES INCLUDING THIS SHEET.

FROM WATER RESOURCES

NAME: Marlon Magallanes/Cindy Hutchinson TEL: (510) 670-5248 FAX: (510) 670-5262

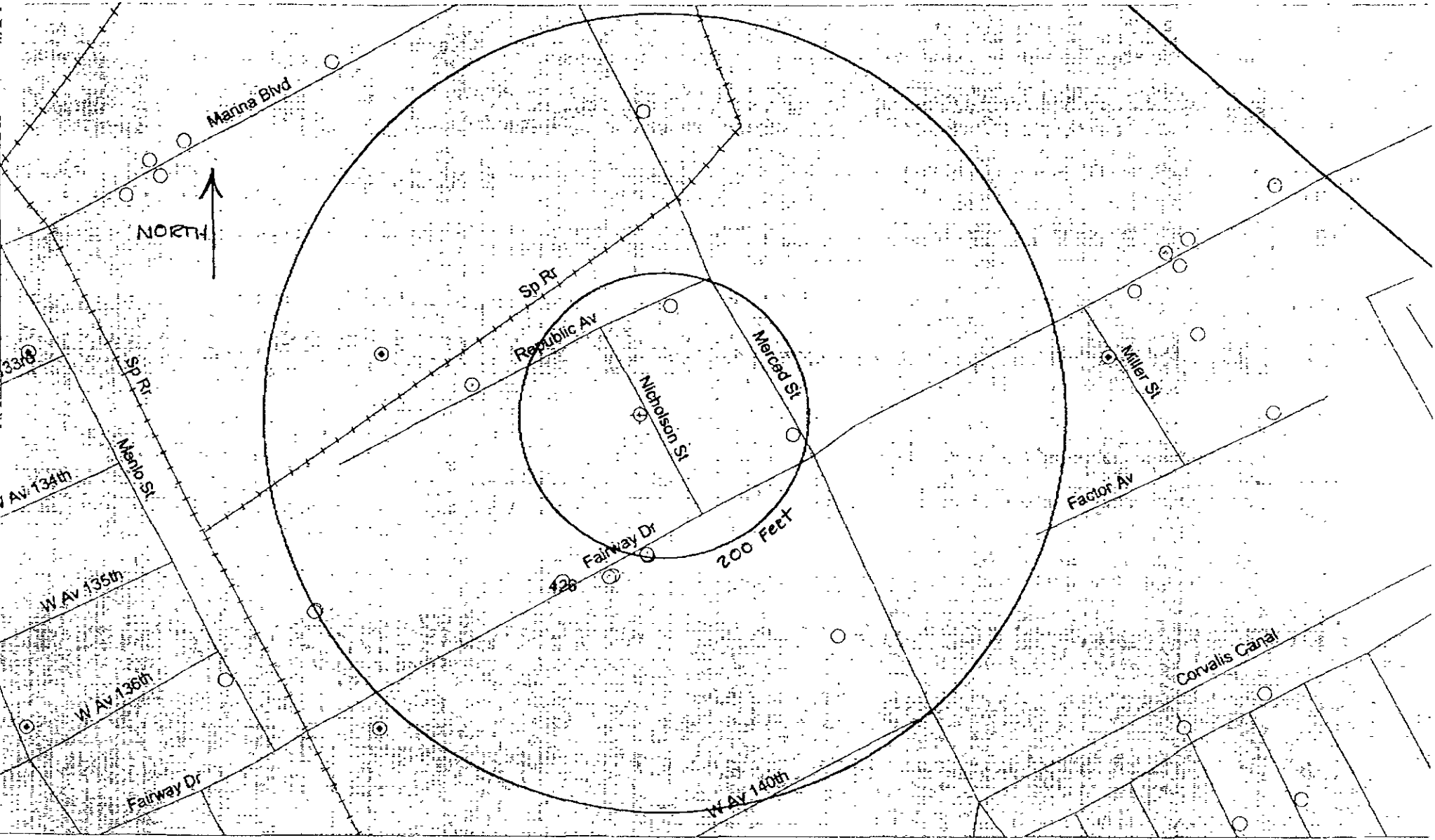
E-MAIL: Wrebcc@acwpa.mail.co.alameda.ca.us-Cindyh@acwpa.mail.co.alameda.ca.us

IF YOU EXPERIENCE PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL US.

REMARKS:

MON - MONITORING WELL

BOR - BORING WELL





Permit	Tr	Section	Address	Longcity	Owner	Update	Xcoord	Ycoord	Matchlevel	Tsrqq	Rec code
	3S/3W	2D 5	2699 Merced St	San Leandro	Valley Automated Fuels	03/13/1991	122,166,376	37,703,512	0	3S/3W 2D	1,218
	3S/3W	2D 6	2699 Merced St.	San Leandro	Valley Automated Fuels	03/13/1991	122,166,376	37,703,512	0	3S/3W 2D	1,219
	3S/3W	2D 7	2699 Merced St.	San Leandro	Valley Automated Fuels	03/13/1991	122,166,376	37,703,512	0	3S/3W 2D	1,220
	3S/3W	2D	2699 Merced St	San Leandro	Valley Automated Fuels	03/13/1991	122,166,376	37,703,512	0	3S/3W 2D	1,221
	3S/3W	2D 1	1906 REPUBLIC AVE	San Leandro	PACIFIC ELECTRIC SUP	11/04/1986	122,167,899	37,704,816	0	3S/3W 2D	5,936
	3S/3W	2E 1	1930 FAIRWAY DRIVE	San Leandro	TRIANGLE COATINGS	11/12/1988	122,168,210	37,702,279	0	3S/3W 2E	5,940
	3S/3W	2D 8	2585 Nicholson St.	San Leandro	Rodding - Cleaning Serv	06/22/1993	122,168,309	37,703,714	1	3S/3W 2D	0
	3S/3W	2D 9	1930 Fairway Dr.	San Leandro	Triangle Coatings, SLE N	06/23/1993	122,168,220	37,702,294	1	3S/3W 2D	0

Phone	City	Drilldate	Elevation	Totaldepth	Waterdepth	Diameter	Use	Log	W	W	Yield	Dtwcalc	Old dbase
0	SLE	10/90	0	31	0	7	BOR	D	0	0	0	0	D
0	SLE	10/90	16	20	10	2	MON	G	0	0	0	6	D
0	SLE	10/90	17	20	9	2	MON	G	0	0	0	8	D
0	SLE	10/90	16	20	9	2	MON	G	0	0	0	7	D
0	SLE	09/86	0	15	6	2	MON	G	0	0	0	0	L
0	SLE	10/86	0	25	8	2	MON	D	0	0	0	0	L
0	SLE	6/92	0	19	7	6	MON	G	0	0	0	0	D
0	SLE	4/92	0	15	7	2	MON	G	0	0	0	0	D

SEP 21 1993 11:32 AM

TC 919169622678

P. 24/24