ETIC
Engineering, Inc.

Third Closure Review Meeting
12 June 2001

Support for the Site as a Low-Risk Soil and Groundwater Case

Nestlé USA, Inc. Facility
1310 14th Street
Oakland, California

Prepared for

Nestlé USA, Inc.
800 North Brand Boulevard
Glendale, California 91203

Prepared by

ETIC Engineering, Inc.
2285 Morello Avenue
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June 2001

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ETIC
Engineering, Inc.

11 June 2001

Mr. Barney Chan
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502

RE: Responses to Roger Brewer's comments dated 28 March 2001
Former Nestle USA facility, 1310 14th Street, Oakland, CA

Dear Mr. Chan:

ETIC has reviewed the comments from Roger Brewer's review of the Comprehensive Site Characterization Report and Risk Management Plan for the former Nestle facility. We have responded to all but the last comment, which is more of a discussion topic for the review meeting for this site. Each of Roger Brewer's comments are repeated below, followed by ETIC's response.

Comment 1:
Table 4, Monitoring Well Design - Provide information regarding the depth to groundwater; evaluate adequacy of wells. Based on my own quick review of monitoring well design versus groundwater depths (Table 4 and Figure 13), the top of the screened interval is less than one foot from the top of groundwater in wells MW6, MW25, CC1 and CC2. In addition, well V55 apparently only extends into the groundwater one foot or less. The top of the well screen is apparently situated one to two feet below the top of the groundwater in wells MW26, MW27, MW28 and MW29. The latter wells may not be adequate for monitoring the presence of floating free product at the site but should be adequate for evaluating dissolved-phase concentrations of chemicals in groundwater. A summary of well design versus groundwater depth should be completed and the adequacy of the wells being used for ongoing monitoring should be further evaluated.

Response:
A summary of the well construction data and the groundwater depth is shown in Tables 1 and 2 and Figure 2. The wells listed in the tables are those that are used for quarterly groundwater monitoring. Table 1 shows the relative difference between the top of the well screen and the high and low water levels measured between January 1997 and April 2001. At the highest water level recorded during this period, 9 of the 22 wells have submerged screens. At the lowest water level two wells had submerged screens. The wells having submerged screens are shaded in the table. Table 2 shows the relative difference between the bottom of the well screen and the high and low water levels during the same date range. In comparing the low water level with the well construction data we see that well V55 is dry and well V72 contains a water column that is slightly less than 1 foot (0.91 feet). The fact that well V55 cannot be sampled and well V72 has a short water column during one quarter should not adversely affect the representativeness of results for overall monitoring of the groundwater at the site.

ETIC agrees with Roger Brewer's comment that the construction of the existing wells is adequate for monitoring dissolved-phase concentrations of hydrocarbons and HVOCs in the groundwater even though the screen interval of some wells is submerged during a portion of the year. During the period of time the top of the screen is submerged, free-phase hydrocarbons cannot be detected in the wells. We believe that this is not an issue for the following reasons:

- The screen intervals in all but two wells (MW26 and MW29) are above the level of groundwater during at least half the year, during which time LPH can enter the well casings and be detected.
- Dissolved concentrations of hydrocarbons in the wells in question do not indicate the presence of LPH.
- Monitoring data prior to, during, and after LPH recovery using the high-vacuum dual phase system show that the LPH is not migrating as discussed on page 6 of the Comprehensive Site Characterization Report.

Comment 2:
Groundwater Characterization - Evaluate need to further define extent of groundwater impacts on east side of the plume; delineate extent of impacted groundwater to 5,000 ug/L on Figure 22. Refer to dashed isoconcentration contours Figures 21 and 22. As discussed in our earlier comments, the extent of groundwater impacts has not been defined on the east of the site. The concentration of total TPH reported for samples collected in the easternmost well near the source area (Well No. 239) was approximately 50 mg/L. The delineation of groundwater impacts to TPH-gasoline concentration of only 50,000 ug/L in Figure 22 does not adequately depict groundwater impacts at the site.

Response:
The groundwater isoconcentration contours in Figures 21 and 22 do not reflect all of the historical data collected east of the maintenance building. The attached Figure 29 summarizes all the historical analytical data in this area. The data shows a consistent picture of hydrocarbons not migrating significantly to the east of well 239. This data is also consistent with the conceptual model for the hydrocarbon release and site conditions. Specifically, the data is consistent with the release occurring in the location of the tank, line, and dispenser areas, and with the groundwater consistently flowing in the northwesterly direction.

The following data have been collected east of well 239:

3 soil samples – 2 in 1991 and 1 in 1999
2 groundwater samples – both in 1999
1 soil vapor sample – collected in 1999

The analytical results show:

- Soil samples SB-12 and SB-18 collected by HLA in August 1991 had no detectable concentrations of BTEX, TPH-g, or TPH-d. These borings were sampled at depths of 5, 10,

12.5, 15, and 20 feet below grade. Two other soil borings (SB-14 and SB-17), both downgradient of well 239, had soils sampled from them with concentrations of TPH-g and TPH-d at the 5, 10, 12.5, and 15 foot levels.

- Soil sample SB7 collected in August 1999 contained no detectable concentrations of BTEX, TPH-g, or TPH-d. This boring was sampled at the depths of 4 and 7 feet below grade.
- Water samples from wells MW-5 and 241 collected in 1999 contained no detectable concentrations of BTEX, TPH-g, or TPH-d.
- A soil gas sample collected from soil boring SB7 in August 1999 contained BTEX and TPH-g concentrations in the low part-per-billion level. The sample was collected at a depth of 3 feet below grade. These results appear consistent with concentrations expected from soils located outside the area of hydrocarbon impact.

All the analytical results are consistent with the conceptual model for the hydrocarbon release and indicate that hydrocarbons have migrated less than 40 feet east of well 239. Based on this data, it does not appear that additional groundwater samples are required to the east.

Comment 3:
Table 6 - Provide TPH soil gas data for all soil gas sampling points. Soil gas TPH data is provided for sample point SB-12 only (apparently the maximum reported TPH-gasoline concentration in soil gas samples). Table 8 of the November 2, 1999, report prepared for the site indicates that TPH was not analyzed for as part of the soil gas sampling program. The source of the TPH-gasoline data in Table 6 should be verified and data provided for the other soil gas sampling locations. Note also that Sample SB-12 is located outside of the area of most significant impact. This discrepancy (i.e., why concentrations of petroleum compounds in soil gas are highest outside of the primary area of impact) needs to be further discussed.

Response:
The table in question is actually Table 7 (not 6 or 8) of the Comprehensive Site Characterization Report. This table has been updated with TPH results for all soil gas samples. Figure 28 (showing soil gas results for all other constituents) and Appendix F (laboratory report) have also been updated to reflect the changes. The revised table and figure are attached. The revised table, figure, and appendix will be submitted under separate cover for replacement of these pages in the Comprehensive Site Characterization Report.

The fact that soil boring SB12 has the highest TPH soil gas concentration is likely due to the location of this boring being on the outer edge of the hydrocarbon impact area, away from the area affected by remediation. Even though the soil gas concentration in SB12 is higher than the rest of the TPH results for the site, elevated concentrations have not historically been seen in the dissolved phase as shown from groundwater samples from well 223 located downgradient of SB12. This indicates that no source of hydrocarbons exists in the area of SB12.

Comment 4:
Risk Management Plan, Summary of Health Risk - Include discussion of potential hazards due to buildup of potentially explosive vapors in soil gas. The concentration of TPH-gasoline in shallow groundwater over a large area of the site is at near solubility levels (approximately 150

mg/L), with a small amount of free product still present in several areas. The potential for explosive levels of gasoline and related vapors (e.g., methane) in soil gas to be encountered during construction and utility work should be discussed and requirements for vapor monitoring and appropriate mitigation measures provided.

Response:
The concentration of TPH found in the soil gas sample from soil boring SB12 (750 ppmv) represents a concentration which is approximately 5% of the LEL for gasoline (14,000 ppmv). To protect construction workers during development of the site we propose to amend the Risk Management Plan as follows:

Section 5, Risk Management Measures During Site Development, page 9 – In addition, the Health and Safety Plan should identify protocols to ensure that the health and safety with respect to explosive hazards associated with volatile hydrocarbons and other flammable gases (e.g., methane) be monitored during development of the site.

If you have any questions regarding this letter or any other aspect of the site and its environmental condition, please contact Binayak Acharya of Nestle at (818) 549-5948 or me at (925) 602-4710, extension 12.

Sincerely,

Douglas Oram
Technical Program Manager

DO/dah

Attachments

cc: Binayak Acharya, Nestle
Roger Brewer, Regional Water Quality Control Board
Chuck Headlee, Regional Water Quality Control Board

TABLE 1

NESTLE/OAKLAND
DEPTH TO GROUNDWATER RELATIVE TO TOP OF SCREENED INTERVAL
IN QUARTERLY MONITORING WELLS

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Min. depth to water* (ft.)	GW depth below top of screen (ft.)	Max. depth to water* (ft.)	GW depth below top of screen (ft.)
Groundwater Monitoring Well	MW3	4.0	25.0	7.0	25.0	6.15	-0.85	9.48	2.48
Groundwater Monitoring Well	MW6	4.0	17.0	7.0	17.0	5.91	-1.09	9.11	2.11
Groundwater Monitoring Well	MW25	4.0	22.5	7.5	22.5	5.02	-2.48	8.26	0.76
Groundwater Monitoring Well	MW26	4.0	25.0	10.0	25.0	4.90	-5.10	8.85	-1.15
Groundwater Monitoring Well	MW27	4.0	24.5	9.0	24.0	6.75	-2.25	9.92	0.92
Groundwater Monitoring Well	MW28	4.0	27.0	9.0	27.0	5.60	-3.40	9.40	0.40
Groundwater Monitoring Well	MW29	4.0	25.0	9.0	25.0	4.95	-4.05	8.01	-0.99
Groundwater Monitoring Well	MW30	2.0	15.6	5.8	15.6	6.91	1.16	9.87	4.12
Groundwater Monitoring Well	MW32	4.0	23.3	3.6	23.3	6.05	2.45	9.60	6.00
Groundwater Monitoring Well	MW33	4.0	25.0	2.8	25.0	6.82	4.02	9.62	6.82
Product Recovery Well	PR45	2.0	15.0	5.0	15.0	5.10	0.10	9.43	4.43
Product Recovery Well	PR52	2.0	15.0	5.0	15.0	7.15	2.15	9.43	4.43
Product Recovery Well	PR53	2.0	15.0	5.0	15.0	6.95	1.95	9.20	4.20
Product Recovery Well	PR54	2.0	15.0	5.0	15.0	7.03	2.03	9.46	4.46
Product Recovery Well	PR64	2.0	15.0	5.0	15.0	7.53	2.53	10.06	5.06
"Numbered" Well	CC1	2.0	11.4	7.5	11.4	4.81	-2.69	9.42	1.92
"Numbered" Well	CC2	2.0	12.1	7.3	12.1	3.91	-3.39	8.49	1.19
"Numbered" Well	223	2.0	15.0	5.5	15.0	6.39	0.89	8.86	3.36
"Numbered" Well	239	2.0	14.5	5.3	14.5	7.11	1.85	9.13	3.87
Vapor Well	V55	4.0	8.5	0.7	8.5	6.34	5.64	9.96	9.26
Vapor Well	V72	4.0	11.6	2.2	11.6	5.97	3.77	10.69	8.49
Vapor Well	V84	4.0	10.8	1.2	10.8	5.73	4.53	8.72	7.52

Minumum and maximum depth to groundwater measured between 01/97 and 04/01

= *Groundwater surface outside of screened interval*

F:\Projects\Nestle Oakland\PUBLIC\No Further Action\[Screen-DTW_bas.xls]Top of screen

TABLE 2

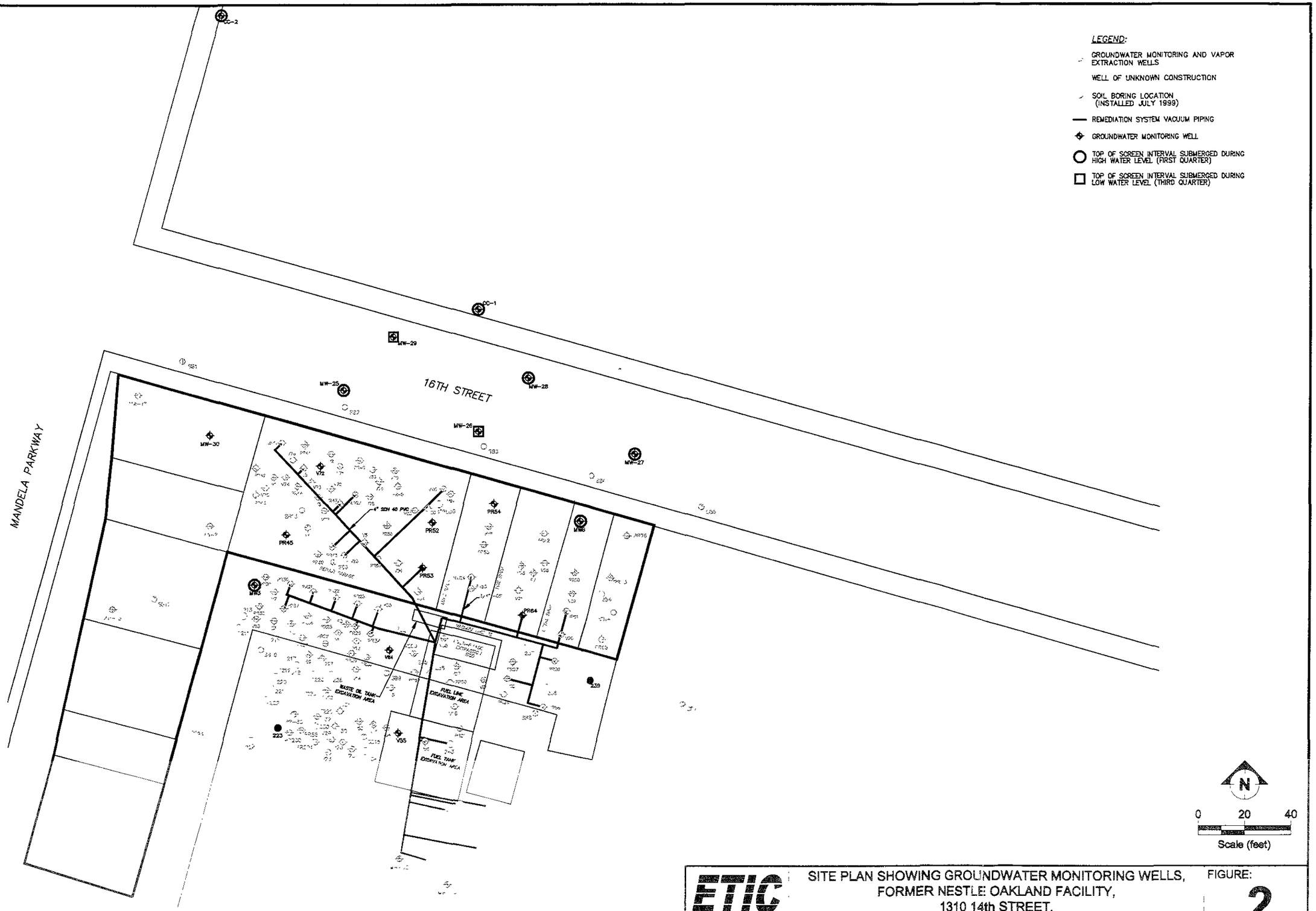
NESTLE/OAKLAND
DEPTH TO GROUNDWATER RELATIVE TO BOTTOM OF SCREENED INTERVAL
IN QUARTERLY MONITORING WELLS

Well Type	Well Name	Casing Diameter (in.)	Total Casing Depth (ft. bgs)	Top of Screen (ft. bgs)	Bottom of Screen (ft. bgs)	Min. depth to water* (ft.)	GW depth above bottom of screen (ft.)	Max. depth to water* (ft.)	GW depth above bottom of screen (ft.)
Groundwater Monitoring Well	MW3	4.0	25.0	7.0	25.0	6.15	18.85	9.48	15.52
Groundwater Monitoring Well	MW6	4.0	17.0	7.0	17.0	5.91	11.09	9.11	7.89
Groundwater Monitoring Well	MW25	4.0	22.5	7.5	22.5	5.02	17.48	8.26	14.24
Groundwater Monitoring Well	MW26	4.0	25.0	10.0	25.0	4.90	20.10	8.85	16.15
Groundwater Monitoring Well	MW27	4.0	24.5	9.0	24.0	6.75	17.25	9.92	14.08
Groundwater Monitoring Well	MW28	4.0	27.0	9.0	27.0	5.60	21.40	9.40	17.60
Groundwater Monitoring Well	MW29	4.0	25.0	9.0	25.0	4.95	20.05	8.01	16.99
Groundwater Monitoring Well	MW30	2.0	15.6	5.8	15.6	6.91	8.69	9.87	5.73
Groundwater Monitoring Well	MW32	4.0	23.3	3.6	23.3	6.05	17.20	9.60	13.65
Groundwater Monitoring Well	MW33	4.0	25.0	2.8	25.0	6.82	18.18	9.62	15.38
							0.00		
Product Recovery Well	PR45	2.0	15.0	5.0	15.0	5.10	9.90	9.43	5.57
Product Recovery Well	PR52	2.0	15.0	5.0	15.0	7.15	7.85	9.43	5.57
Product Recovery Well	PR53	2.0	15.0	5.0	15.0	6.95	8.05	9.20	5.80
Product Recovery Well	PR54	2.0	15.0	5.0	15.0	7.03	7.97	9.46	5.54
Product Recovery Well	PR64	2.0	15.0	5.0	15.0	7.53	7.47	10.06	4.94
"Numbered" Well	CC1	2.0	11.4	7.5	11.4	4.81	6.54	9.42	1.93
"Numbered" Well	CC2	2.0	12.1	7.3	12.1	3.91	8.22	8.49	3.64
"Numbered" Well	223	2.0	15.0	5.5	15.0	6.39	8.61	8.86	6.14
"Numbered" Well	239	2.0	14.5	5.3	14.5	7.11	7.40	9.13	5.38
Vapor Well	V55	4.0	8.5	0.7	8.5	6.34	2.11	9.96	-1.51
Vapor Well	V72	4.0	11.6	2.2	11.6	5.97	5.63	10.69	0.91
Vapor Well	V84	4.0	10.8	1.2	10.8	5.73	5.02	8.72	2.03

Minumum and maximum depth to groundwater measured between 01/97 and 04/01

= *Groundwater surface outside of screened interval*

F \Projects\Nestle Oakland\PUBLIC\No Further Action\[Screen-DTW_bas xls]Top of screen



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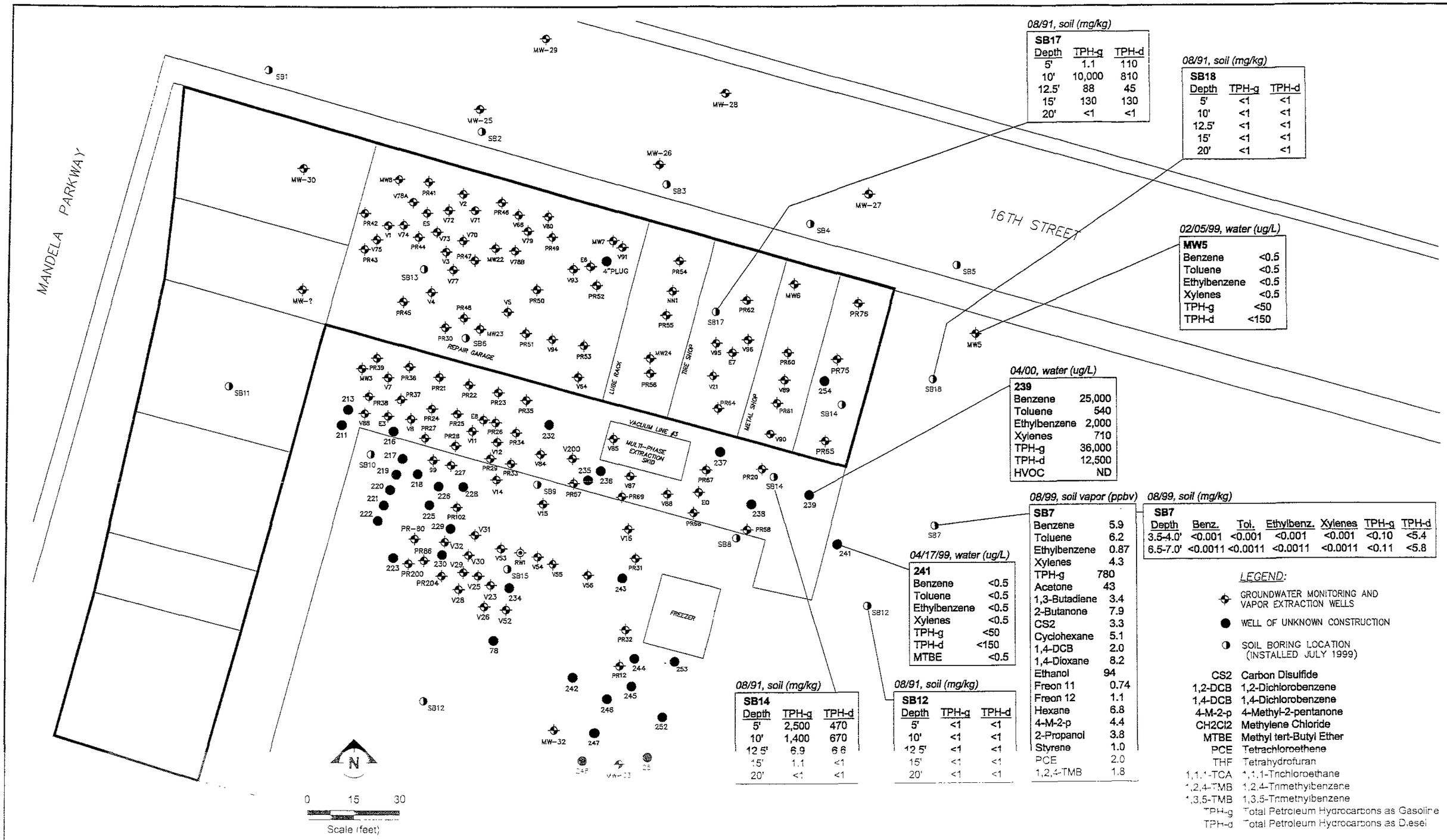
SITE PLAN SHOWING GROUNDWATER MONITORING WELLS,
FORMER NESTLE OAKLAND FACILITY,
1310 14th STREET,
OAKLAND, CALIFORNIA

FIGURE: 2



08/91, soil (mg/kg)

SB17

Depth	TPH-g	TPH-d
5'	1.1	110
10'	10,000	810
12.5'	88	45
15'	130	130
20'	<1	<1

08/91, soil (mg/kg)

SB18

Depth	TPH-g	TPH-d
5'	<1	<1
10'	<1	<1
12.5'	<1	<1
15'	<1	<1
20'	<1	<1

02/05/99, water (ug/L)

MW5

Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylenes	<0.5
TPH-g	<50
TPH-d	<150

04/00, water (ug/L)

239

Benzene	25,000
Toluene	540
Ethylbenzene	2,000
Xylenes	710
TPH-g	36,000
TPH-d	12,500
HVOC	ND

08/99, soil vapor (ppbv)

SB7

Benzene	5.9
Toluene	6.2
Ethylbenzene	0.87
Xylenes	4.3
TPH-g	780
Acetone	43
1,3-Butadiene	3.4
2-Butanone	7.9
CS2	3.3
Cyclohexane	5.1
1,4-DCB	2.0
1,4-Dioxane	8.2
Ethanol	94
Freon 11	0.74
Freon 12	1.1
Hexane	6.8
4-M-2-p	4.4
2-Propanol	3.8
Styrene	1.0
PCE	2.0
1,2,4-TMB	1.8

08/99, soil (mg/kg)

SB7

Depth	Benz.	Tol.	Ethylbenz.	Xylenes	TPH-g	TPH-d
3.5-4.0'	<0.001	<0.001	<0.001	<0.001	<0.10	<5.4
6.5-7.0'	<0.0011	<0.0011	<0.0011	<0.0011	<0.11	<5.8

04/17/99, water (ug/L)

241

Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylenes	<0.5
TPH-g	<50
TPH-d	<150
MTBE	<0.5

08/91, soil (mg/kg)

SB14

Depth	TPH-g	TPH-d
5'	2,500	470
10'	1,400	670
12.5'	6.9	6.6
15'	1.1	<1
20'	<1	<1

08/91, soil (mg/kg)

SB12

Depth	TPH-g	TPH-d
5'	<1	<1
10'	<1	<1
12.5'	<1	<1
15'	<1	<1
20'	<1	<1

LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION
- SOIL BORING LOCATION (INSTALLED JULY 1999)

CS2	Carbon Disulfide
1,2-DCB	1,2-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
4-M-2-p	4-Methyl-2-pentanone
CH2Cl2	Methylene Chloride
MTBE	Methyl tert-Butyl Ether
PCE	Tetrachloroethene
THF	Tetrahydrofuran
1,1,1-TCA	1,1,1-Trichloroethane
1,2,4-TMB	1,2,4-Trimethylbenzene
1,3,5-TMB	1,3,5-Trimethylbenzene
TPH-g	Total Petroleum Hydrocarbons as Gasoline
TPH-d	Total Petroleum Hydrocarbons as Diesel

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SUMMARY OF ANALYTICAL DATA COLLECTED ON THE EAST SIDE OF THE HYDROCARBON IMPACT AREA
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE
29

TABLE 7 CONCENTRATIONS OF VOLATILE ORGANIC COMPOUNDS IN SOIL VAPOR SAMPLES, NESTLE FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA, 12-13 AUGUST 1999

Sample ID	Concentration (ppbv)																																						
	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH-g	TPH-d	Acetone	1,3-Bu-tadiene	2-Bu-tanone	Carbon Disulfide	Chloro-benzene	Chloro-form	Chloro-methane	Cyclo-hexane	1,2-Di-chloro-benzene	1,3-Di-chloro-benzene	1,4-Di-chloro-benzene	1,1-Di-chloro-ethane	1,2-Di-chloro-ethane	1,1-Di-chloro-ethene	cis-1,2-Dichloro-ethene	1,4-Di-oxane	Ethanol	4-Ethyl-toluene	Freon 11	Freon 12	Freon 113	Hep-tane	Hex-ane	4-Methyl-2-penta-none	Methylene Chloride	Methyl t-butyl ether	2-Pro-panol	Sty-rene	Tetra-chloro-ethene	Tetra-hydro-furan	1,1,1-Tri-chloro-ethane	Tri-chloro-ethene	1,2,4-Tri-methyl-benzene	1,3,5-Tri-methyl-benzene
SB1, 3'	4.3	3.1	<0.65	2.74	800	NA	77 a	2.8	13	6.2	<0.65	<0.65	<0.65	<2.6	<0.65	<0.65	0.77	<0.65	<0.65	<0.65	<0.65	<2.6	63	<2.6	0.74	0.93	27	<2.6	4.4	3.8	3.7	<2.6	5.6	<0.65	1.2	<2.6	<0.65	<0.65	1.1	<0.65
SB2, 3'	7.5	12	3.6	17.6	1,100	NA	260 a	<2.7	24	9.0	<0.67	3.9	<0.67	12	<0.67	<0.67	1.8	<0.67	<0.67	<0.67	<0.67	<2.7	110	<2.7	1.2	200	<0.67	3.3	5.3	8.1	2.2	<2.7	<2.7	3.0	<0.67	<2.7	<0.67	<0.67	2.0	0.77
SB3, 3'	9,900	230	68	67	36,000	NA	<190	<190	<190	<190	<48	<48	<48	<190	<48	<48	<48	<48	<48	<48	<48	<190	<190	<190	<48	180	<48	<190	590	<190	<48	<190	<190	<48	<48	<190	<48	<48	<48	<48
SB3, 3' dup	9,500	240	<140	<140	40,000	NA	<580	<580	<580	<580	<140	<140	<140	<580	<140	<140	<140	<140	<140	<140	<140	<580	<580	<580	<140	160	<140	<580	580	<580	<140	<580	<580	<140	<140	<580	<140	<140	<140	<140
SB4, 3'	1,200	76	8.1	18.7	4,600	NA	200 a	19	<14	<14	<3.5	<3.5	<3.5	32	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<3.5	<14	1,400	<14	<3.5	100	<3.5	<14	19	15	340	<14	22	<3.5	160	<14	21	<3.5	<3.5	<3.5
SB5, 3'	7.6	5.6	0.80	1.9	1,900	NA	45 a	61	12	18	<0.71	<0.71	0.77	8.2	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	<0.71	3.3	55	<2.8	4.4	1.2	3.4	<2.8	<2.8	<2.8	<0.71	<2.8	<2.8	<0.71	<0.71	<2.8	<0.71	<0.71	<0.71	<0.71
SB6, 3'	3.0	4.2	<0.68	2.52	560	NA	11 a	<2.7	4.0	<2.7	<0.68	<0.68	<0.68	<2.7	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<2.7	35	<2.7	<0.68	<0.68	<0.68	<2.7	<2.7	<2.7	<0.68	<2.7	<2.7	<0.68	<0.68	<2.7	<0.68	<0.68	1.1	<0.68
SB7, 3'	5.9	6.2	0.87	4.3	780	NA	43 a	3.4	7.9	3.3	<0.73	<0.73	<0.73	5.1	<0.73	<0.73	2.0	<0.73	<0.73	<0.73	<0.73	8.2	94	<2.9	0.74	1.1	<0.73	<2.9	6.8	4.4	<0.73	<2.9	3.8	1.0	2.0	<2.9	<0.73	<0.73	1.8	<0.73
SB8, 3'	10	12	3.8	15.7	1,300	NA	42 a	<11	<11	<11	<2.8	<2.8	<2.8	<11	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<2.8	<11	62	<11	6.5	630	<2.8	<11	<11	<11	<2.8	<11	<11	<2.8	<2.8	<11	<2.8	<2.8	5.3	<2.8
SB9, 3'	12	18	1.7	9.9	690	NA	19 a	<2.7	6.0	<2.7	<0.68	1.1	<0.68	4.9	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<0.68	<2.7	47	<2.7	1.5	20	<0.68	<2.7	4.3	<2.7	<0.68	<2.7	<2.7	<0.68	<0.68	<2.7	<0.68	<0.68	2.3	0.77
SB10, 3'	3.5	2.8	<0.80	1.7	610	NA	39 a	<3.2	9.7	<3.2	<0.80	1.6	<0.80	<3.2	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<0.80	<3.2	40	<3.2	<0.80	1.4	<0.80	<3.2	3.9	<3.2	<0.80	<3.2	<3.2	<0.80	<0.80	<3.2	<0.80	<0.80	1.2	<0.80
SB11, 3'	2.7	1.9	<0.82	0.91	520	NA	38 a	<3.3	9.9	<3.3	<0.82	<0.82	3.7	<3.3	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	<0.82	22	23	<3.3	4.6	<0.82	<0.82	<3.3	<3.3	<3.3	1.2	<3.3	<3.3	<0.82	<0.82	<3.3	<0.82	<0.82	0.85	<0.82
SB12, 3'	250	<70	<70	610	750,000	NA	<280	<280	<280	<280	<70	<70	<70	<280	480	<70	76	<70	<70	<70	<70	<280	<280	760	<70	<70	<70	<280	18,000	<280	<70	<280	<280	<70	<70	<280	<70	<70	580	740
SB13, 3'	0.91	8.5	<0.67	1.3	550	NA	49 a	<2.7	5.5	6.4	<0.67	<0.67	<0.67	<2.7	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	<0.67	4.3	410 b	<2.7	<0.67	<0.67	<0.67	3.4	<2.7	<2.7	5.6	<2.7	26	<0.67	<0.67	58	<0.67	<0.67	1.1	<0.67
SB14, 3'	2.7	5.3	0.87	4.7	620	NA	10 a	<2.8	3.5	<2.8	<0.70	<0.70	<0.70	<2.8	<0.70	<0.70	1.6	<0.70	<0.70	<0.70	<0.70	<2.8	67	<2.8	<0.70	<0.70	<0.70	<2.8	<2.8	2.8	1.3	2.9	<2.8	0.82	<0.70	<2.8	<0.70	<0.70	2.0	0.81
SB15, 3'	42	12	1.6	6.7	2,100	NA	51 a	13	13	<5.8	<1.4	<1.4	<1.4	<5.8	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<1.4	<5.8	190	<5.8	<1.4	46	<1.4	<5.8	50	<5.8	4.8	<5.8	<5.8	<1.4	2.1	<5.8	<1.4	<1.4	1.8	<1.4

Notes:

ppbv Parts per billion volumetric.

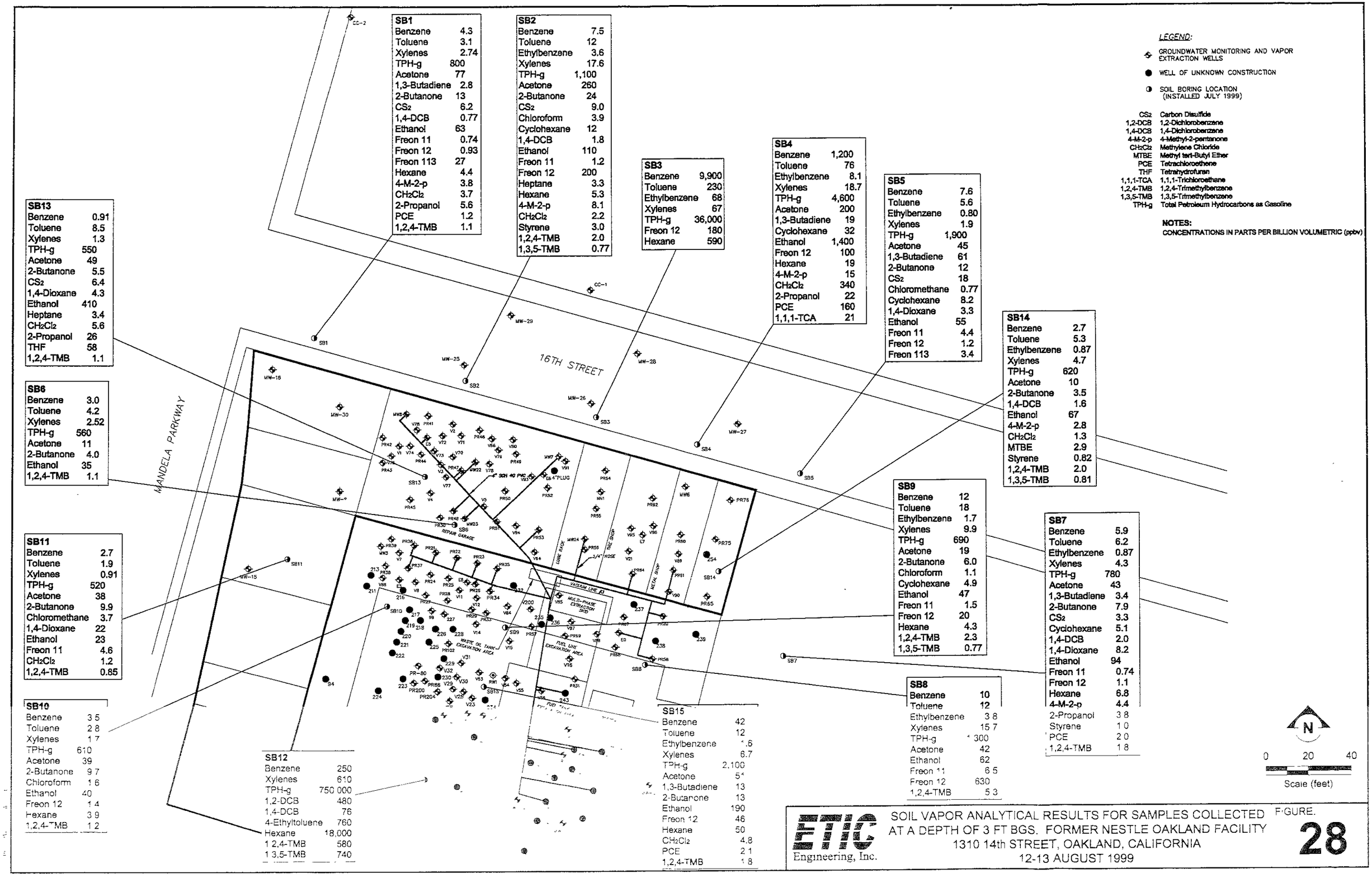
a Compound present in laboratory blank greater than reporting limit (background subtraction not performed)

b Exceeds instrument calibration range

NA Not analyzed

TPH-g Total Petroleum Hydrocarbons as gasoline

TPH-d Total Petroleum Hydrocarbons as diesel


SB1
Benzene 4.3
Toluene 3.1
Xylenes 2.74
TPH-g 800
Acetone 77
1,3-Butadiene 2.8
2-Butanone 13
CS2 6.2
1,4-DCB 0.77
Ethanol 63
Freon 11 0.74
Freon 12 0.93
Freon 113 27
Hexane 4.4
4-M-2-p 3.8
CH2Cl2 3.7
2-Propanol 5.6
PCE 1.2
1,2,4-TMB 1.1
SB2
Benzene 7.5
Toluene 12
Ethylbenzene 3.6
Xylenes 17.6
TPH-g 1,100
Acetone 260
2-Butanone 24
CS2 9.0
Chloroform 3.9
Cyclohexane 12
1,4-DCB 1.8
Ethanol 110
Freon 11 1.2
Freon 12 200
Heptane 3.3
Hexane 5.3
4-M-2-p 8.1
CH2Cl2 2.2
Styrene 3.0
1,2,4-TMB 2.0
1,3,5-TMB 0.77
SB3
Benzene 9,900
Toluene 230
Ethylbenzene 68
Xylenes 67
TPH-g 36,000
Freon 12 180
Hexane 590
SB4
Benzene 1,200
Toluene 76
Ethylbenzene 8.1
Xylenes 18.7
TPH-g 4,600
Acetone 200
1,3-Butadiene 19
Cyclohexane 32
Ethanol 1,400
Freon 12 100
Hexane 19
4-M-2-p 15
CH2Cl2 340
2-Propanol 22
PCE 160
1,1,1-TCA 21
SB5
Benzene 7.6
Toluene 5.6
Ethylbenzene 0.80
Xylenes 1.9
TPH-g 1,900
Acetone 45
1,3-Butadiene 61
2-Butanone 12
CS2 18
Chloromethane 0.77
Cyclohexane 8.2
1,4-Dioxane 3.3
Ethanol 55
Freon 11 4.4
Freon 12 1.2
Freon 113 3.4
SB13
Benzene 0.91
Toluene 8.5
Xylenes 1.3
TPH-g 550
Acetone 49
2-Butanone 5.5
CS2 6.4
1,4-Dioxane 4.3
Ethanol 410
Heptane 3.4
CH2Cl2 5.6
2-Propanol 26
THF 58
1,2,4-TMB 1.1
SB6
Benzene 3.0
Toluene 4.2
Xylenes 2.52
TPH-g 560
Acetone 11
2-Butanone 4.0
Ethanol 35
1,2,4-TMB 1.1
SB11
Benzene 2.7
Toluene 1.9
Xylenes 0.91
TPH-g 520
Acetone 38
2-Butanone 9.9
Chloromethane 3.7
1,4-Dioxane 22
Ethanol 23
Freon 11 4.6
CH2Cl2 1.2
1,2,4-TMB 0.85
SB10
Benzene 3 5
Toluene 2 8
Xylenes 1 7
TPH-g 610
Acetone 39
2-Butanone 9 7
Chloroform 1 6
Ethanol 40
Freon 12 1 4
Hexane 3 9
1,2,4-TMB 1 2
SB12
Benzene 250
Xylenes 610
TPH-g 750 000
1,2-DCB 480
1,4-DCB 76
4-Ethyltoluene 760
Hexane 18,000
1 2,4-TMB 580
1 3,5-TMB 740
SB15
Benzene 42
Toluene 12
Ethylbenzene 1.6
Xylenes 6.7
TPH-g 2,100
Acetone 5
1,3-Butadiene 13
2-Butanone 13
Ethanol 190
Freon 12 46
Hexane 50
CH2Cl2 4.8
PCE 2 1
1,2,4-TMB 1 8
SB8
Benzene 10
Toluene 12
Ethylbenzene 3 8
Xylenes 15 7
TPH-g 1 300
Acetone 42
Ethanol 62
Freon 11 6 5
Freon 12 630
1,2,4-TMB 5 3
SB9
Benzene 12
Toluene 18
Ethylbenzene 1.7
Xylenes 9.9
TPH-g 690
Acetone 19
2-Butanone 6.0
Chloroform 1.1
Cyclohexane 4.9
Ethanol 47
Freon 11 1.5
Freon 12 20
Hexane 4.3
1,2,4-TMB 2.3
1,3,5-TMB 0.77
SB14
Benzene 2.7
Toluene 5.3
Ethylbenzene 0.87
Xylenes 4.7
TPH-g 620
Acetone 10
2-Butanone 3.5
1,4-DCB 1.6
Ethanol 67
4-M-2-p 2.8
CH2Cl2 1.3
MTBE 2.9
Styrene 0.82
1,2,4-TMB 2.0
1,3,5-TMB 0.81
SB7
Benzene 5.9
Toluene 6.2
Ethylbenzene 0.87
Xylenes 4.3
TPH-g 780
Acetone 43
1,3-Butadiene 3.4
2-Butanone 7.9
CS2 3.3
Cyclohexane 5.1
1,4-DCB 2.0
1,4-Dioxane 8.2
Ethanol 94
Freon 11 0.74
Freon 12 1.1
Hexane 6.8
4-M-2-p 4.4
2-Propanol 3 8
Styrene 1 0
PCE 2 0
1,2,4-TMB 1 8
LEGEND:
GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
WELL OF UNKNOWN CONSTRUCTION
SOIL BORING LOCATION (INSTALLED JULY 1999)
CS2 Carbon Disulfide
1,2-DCB 1,2-Dichlorobenzene
1,4-DCB 1,4-Dichlorobenzene
4-M-2-p 4-Methyl-2-pentanone
CH2Cl2 Methylene Chloride
MTBE Methyl tert-Butyl Ether
PCE Tetrachloroethene
THF Tetrahydrofuran
1,1,1-TCA 1,1,1-Trichloroethane
1,2,4-TMB 1,2,4-Trimethylbenzene
1,3,5-TMB 1,3,5-Trimethylbenzene
TPH-g Total Petroleum Hydrocarbons as Gasoline
NOTES:
CONCENTRATIONS IN PARTS PER BILLION VOLUMETRIC (ppbv)
16TH STREET
MANDELA PARKWAY
MW-29
MW-25
MW-28
MW-26
MW-27
MW-30
MW-16
MW-15
SB1
SB2
SB3
SB4
SB5
SB6
SB7
SB8
SB9
SB10
SB11
SB12
SB13
SB14
SB15
CC-1
CC-2
REPAIR GARAGE
VACUUM LINE #3
MULTI-PHASE EXTRACTION SYSTEM
WASTE OIL TANK EXCAVATION AREA
FUEL LINE EXCAVATION AREA
METAL SHOP
TILE SHOP
LUBE SHOP
N
0 20 40
Scale (feet)
ETIC Engineering, Inc.
SOIL VAPOR ANALYTICAL RESULTS FOR SAMPLES COLLECTED AT A DEPTH OF 3 FT BGS. FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
12-13 AUGUST 1999
FIGURE
28

Nestle/Oakland
Survey of hydrocarbon vapor levels, %LEL, and $\%O_2$ in selected wells
07-Jun-01

Well ID	Purge/No Purge	Sample Location	Screened Interval (ft. bgs)	*GasTech Data* PPM	% LEL	% O_2
MW32	No Purge	At capped well head	3.6 to 23.3	120	0.0	18.6
	No Purge	7 ft bgs - well uncapped		0	0.0	9.2
	Purge	At capped well head		240	0.0	11.9
No. 223	No Purge	At capped well head	5.5 to 15.0	80	0.0	18.1
	No Purge	7 ft bgs - well uncapped		0	0.0	0.7
	Purge	At capped well head		20	0.0	19.5
PR48	Purge	At capped well head	5.0 to 15.0	5840	11.0	1.9
PR53	Purge	At capped well head	5.0 to 15.0	>10,000	62.0	4.5
V8	No Purge	7 ft bgs - well uncapped	4.8 to 5.2	280	0.0	10.8
V21	No Purge	7 ft bgs - well uncapped	0.4 to 5.0	120	0.0	9.4
PR64	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	>10,000	55.0	9.4
PR61	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	>10,000	65.0	5.8
PR60	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	80	0.0	19.8
MW6	No Purge	7 ft bgs - well uncapped		220	0.0	18.7
	Purge	At capped well head	7.0 to 17.0	40	0.0	20.9
PR65	No Purge	7 ft bgs - well uncapped	5.0 to 15.0	200	0.0	4.2
No. 239	No Purge	7 ft bgs - well uncapped	5.3 to 14.5	240	0.0	8.5
	Purge	At capped well head		0	0.0	20.9
1" hole drilled through asphalt cap (adj to SB12)	No Purge	~8" bgs	NA	440	1.0	20.1

Above data collected during in-field sampling using GasTech GT201 Fuel Vapor Monitor
bgs = below ground surface
F:\Projects\Nestle Oakland\PUBLIC\CSCR900\[Vapor_survey_0601.xls]Sheet1

Table 4: Survey of hydrocarbon vapor levels, %LEL, and $\%O_2$ in selected wells

SB1	
Benzene	4.3
Toluene	3.1
Xylenes	2.74
TPH-g	800
Acetone	77
1,3-Butadiene	2.8
2-Butanone	13
CS_2	6.2
1,4-DCB	0.77
Ethanol	63
Freon 11	0.74
Freon 12	0.93
Freon 113	27
Hexane	4.4
4-M-2-p	3.8
CH_2Cl_2	3.7
2-Propanol	5.6
PCE	1.2
1,2,4-TMB	1.1

SB2	
Benzene	7.5
Toluene	12
Ethylbenzene	3.6
Xylenes	17.6
TPH-g	1,100
Acetone	260
2-Butanone	24
CS_2	9.0
Chloroform	3.9
Cyclohexane	12
1,4-DCB	1.8
Ethanol	110
Freon 11	1.2
Freon 12	200
Heptane	3.3
Hexane	5.3
4-M-2-p	8.1
CH_2Cl_2	2.2
Styrene	3.0
1,2,4-TMB	2.0
1,3,5-TMB	0.77

SB3	
Benzene	9,900
Toluene	230
Ethylbenzene	68
Xylenes	67
TPH-g	36,000
Freon 12	180
Hexane	590

SB4	
Benzene	1,200
Toluene	76
Ethylbenzene	8.1
Xylenes	18.7
TPH-g	4,600
Acetone	200
1,3-Butadiene	19
Cyclohexane	32
Ethanol	1,400
Freon 12	100
Hexane	19
4-M-2-p	15
CH_2Cl_2	340
2-Propanol	22
PCE	160
1,1,1-TCA	21

SB5	
Benzene	7.6
Toluene	5.6
Ethylbenzene	0.80
Xylenes	1.9
TPH-g	1,900
Acetone	45
1,3-Butadiene	61
2-Butanone	12
CS_2	18
Chloromethane	0.77
Cyclohexane	8.2
1,4-Dioxane	3.3
Ethanol	55
Freon 11	4.4
Freon 12	1.2
Freon 113	3.4

SB13	
Benzene	0.91
Toluene	8.5
Xylenes	1.3
TPH-g	550
Acetone	49
2-Butanone	5.5
CS_2	6.4
1,4-Dioxane	4.3
Ethanol	410
Heptane	3.4
CH_2Cl_2	5.6
2-Propanol	26
THF	58
1,2,4-TMB	1.1

SB6	
Benzene	3.0
Toluene	4.2
Xylenes	2.52
TPH-g	560
Acetone	11
2-Butanone	4.0
Ethanol	35
1,2,4-TMB	1.1

SB11	
Benzene	2.7
Toluene	1.9
Xylenes	0.91
TPH-g	520
Acetone	38
2-Butanone	9.9
Chloromethane	3.7
1,4-Dioxane	22
Ethanol	23
Freon 11	4.6
CH_2Cl_2	1.2
1,2,4-TMB	0.85

SB10	
Benzene	35
Toluene	28
Xylenes	17
TPH-g	610
Acetone	39
2-Butanone	97
Chloroform	16
Ethanol	40
Freon 12	14
Hexane	39
1,2,4-TMB	12

SB12	
Benzene	250
Xylenes	610
TPH-g	750,000
1,2-DCB	480
1,4-DCB	76
4-Ethyltoluene	760
Hexane	18,000
1,2,4-TMB	580
1,3,5-TMB	740

SB15	
Benzene	42
Toluene	12
Ethylbenzene	1.6
Xylenes	67
TPH-g	2,100
Acetone	51
1,3-Butadiene	13
2-Butanone	13
Ethanol	190
Freon 12	46
Hexane	50
CH_2Cl_2	4.8
PCE	2.1
1,2,4-TMB	1.8

SB8	
Benzene	10
Toluene	12
Ethylbenzene	3.8
Xylenes	15.7
TPH-g	1,300
Acetone	42
Ethanol	62
Freon 11	6.5
Freon 12	630
1,2,4-TMB	5.3

SB9	
Benzene	12
Toluene	18
Ethylbenzene	1.7
Xylenes	9.9
TPH-g	690
Acetone	19
2-Butanone	6.0
Chloroform	1.1
Cyclohexane	4.9
Ethanol	47
Freon 11	1.5
Freon 12	20
Hexane	4.3
1,2,4-TMB	2.3
1,3,5-TMB	0.77

SB14	
Benzene	2.7
Toluene	5.3
Ethylbenzene	0.87
Xylenes	4.7
TPH-g	620
Acetone	10
2-Butanone	3.5
1,4-DCB	1.6
Ethanol	67
4-M-2-p	2.8
CH_2Cl_2	1.3
MTBE	2.9
Styrene	0.82
1,2,4-TMB	2.0
1,3,5-TMB	0.81

SB7	
Benzene	5.9
Toluene	6.2
Ethylbenzene	0.87
Xylenes	4.3
TPH-g	780
Acetone	43
1,3-Butadiene	3.4
2-Butanone	7.9
CS_2	3.3
Cyclohexane	5.1
1,4-DCB	2.0
1,4-Dioxane	8.2
Ethanol	94
Freon 11	0.74
Freon 12	1.1
Hexane	6.8
4-M-2-p	4.4
2-Propanol	3.8
Styrene	1.0
PCE	2.0
1,2,4-TMB	1.8

LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION
- SOIL BORING LOCATION (INSTALLED JULY 1999)

CS_2	Carbon Disulfide
1,2-DCB	1,2-Dichlorobenzene
1,4-DCB	1,4-Dichlorobenzene
4-M-2-p	4-Methyl-2-pentanone
CH_2Cl_2	Methylene Chloride
MTBE	Methyl tert-Butyl Ether
PCE	Tetrachloroethene
THF	Tetrahydrofuran
1,1,1-TCA	1,1,1-Trichloroethane
1,2,4-TMB	1,2,4-Trimethylbenzene
1,3,5-TMB	1,3,5-Trimethylbenzene
TPH-g	Total Petroleum Hydrocarbons as Gasoline

NOTES:
CONCENTRATIONS IN PARTS PER BILLION VOLUMETRIC (ppbv)

16TH STREET

MANDELA PARKWAY

PR48 5.0 - water PPM = 5,840 LEL = 11% O_2 = 1.9%

PR53 5.0 - water PPM = >10,000 LEL = 62% O_2 = 4.5%

V21 0.4-5.0 PPM = 120 LEL = 0 O_2 = 9.4%

PR64 5.0 - water PPM = 710,000 LEL = 55% O_2 = 9.4%

V8 4.8-5.2 PPM = 220 LEL = 0 O_2 = 10.8%

PR60 5 - water PPM = 80 LEL = 0 O_2 = 19.8

PR61 5.0 - water PPM = >10,000 LEL = 65% O_2 = 5.8%

PR65 5.0 - Water PPM = 200 LEL = 0 O_2 = 4.2%

239 5.3 - water PPM = 240 LEL = 0 O_2 = 20.6

5.5' - water PPM = 20 LEL = 0 O_2 = 0.7%

3.6 - water PPM = 240 LEL = 0% O_2 = 9.2%

Below Pavement 440 = PPM 1% = LEL 20.1 = O_2

PR10 (MW 500) BTEX < 0.5 ug/L HVOC < 0.5 " TPH-g < 200 " TPH-d

0 20 40 Scale (feet)

ETIC Engineering, Inc.

SOIL VAPOR ANALYTICAL RESULTS FOR SAMPLES COLLECTED AT A DEPTH OF 3 FT BGS, FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA
12-13 AUGUST 1999

FIGURE: 28

Nestlé USA

P O BOX 1516
6625 EITERMAN ROAD
DUBLIN OH 43017-6516

TEL (614) 526-5000
FAX (614) 526-5353

Nestlé

QUALITY ASSURANCE LABORATORY

Partial Laboratory Report

Binavak Acharya
Nestlé USA - Environmental Group
800 North Brand Boulevard
Glendale, CA 91203
cc: Doug Oram-ETIC Engineering

Sample Description: Water-Oakland
Sample ID: MW-500
6/7/01 14:00
PO/Ref/Disp#: Nestle Oakland CA

Date Sampled 06/07/2001
Date Received: 06/08/2001
Date Reported: 06/11/2001
Report Number: 520783
Lab#: 1JUN7106-001

Test	Result	Units	DetLim	Method	Analysis Date
Benzene	ND	µg/L	0.50	EPA 8020	06/08/2001
Toluene	ND	µg/L	0.50	EPA 8020	06/08/2001
Ethylbenzene	ND	µg/L	0.50	EPA 8020	06/08/2001
m&p Xylenes	ND	µg/L	0.50	EPA 8020	06/08/2001
o-Xylene	ND	µg/L	0.50	EPA 8020	06/08/2001
Total Xylenes	ND	µg/L	0.50	EPA 8020	06/08/2001
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	06/08/2001
Diesel Range Organics		mg/L		CA-Luft	
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Chloromethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Vinyl Chloride	ND	µg/L	0.5	EPA 8021	06/08/2001
Bromomethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Chloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8021	06/08/2001
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8021	06/08/2001
Methylene Chloride	ND	µg/L	0.5	EPA 8021	06/08/2001
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8021	06/08/2001
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8021	06/08/2001
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Chloroform	ND	µg/L	0.5	EPA 8021	06/08/2001
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8021	06/08/2001
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Trichloroethene	ND	µg/L	0.5	EPA 8021	06/08/2001
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8021	06/08/2001
Bromodichloromethane	ND	µg/L	0.5	EPA 8021	06/08/2001
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8021	06/08/2001
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8021	06/08/2001
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Tetrachloroethene	ND	µg/L	0.5	EPA 8021	06/08/2001

Nestlé USA

P O BOX 1516
6625 EITERMAN ROAD
DUBLIN OH 43017-6516

TEL (614) 526-5000
FAX (614) 526-5353

Nestlé

QUALITY ASSURANCE LABORATORY

Partial Laboratory Report

Binavak Acharya
Nestlé USA - Environmental Group
800 North Brand Boulevard
Glendale, CA 91203
cc: Doug Oram-ETIC Engineering

Sample Description: Water-Oakland
Sample ID: MW-500
6/7/01 14.00
PO/Ref/Disp#: Nestle Oakland CA

Date Sampled: 06/07/2001
Date Received: 06/08/2001
Date Reported: 06/11/2001
Report Number: 520783
Lab#: 1JUN7106-001

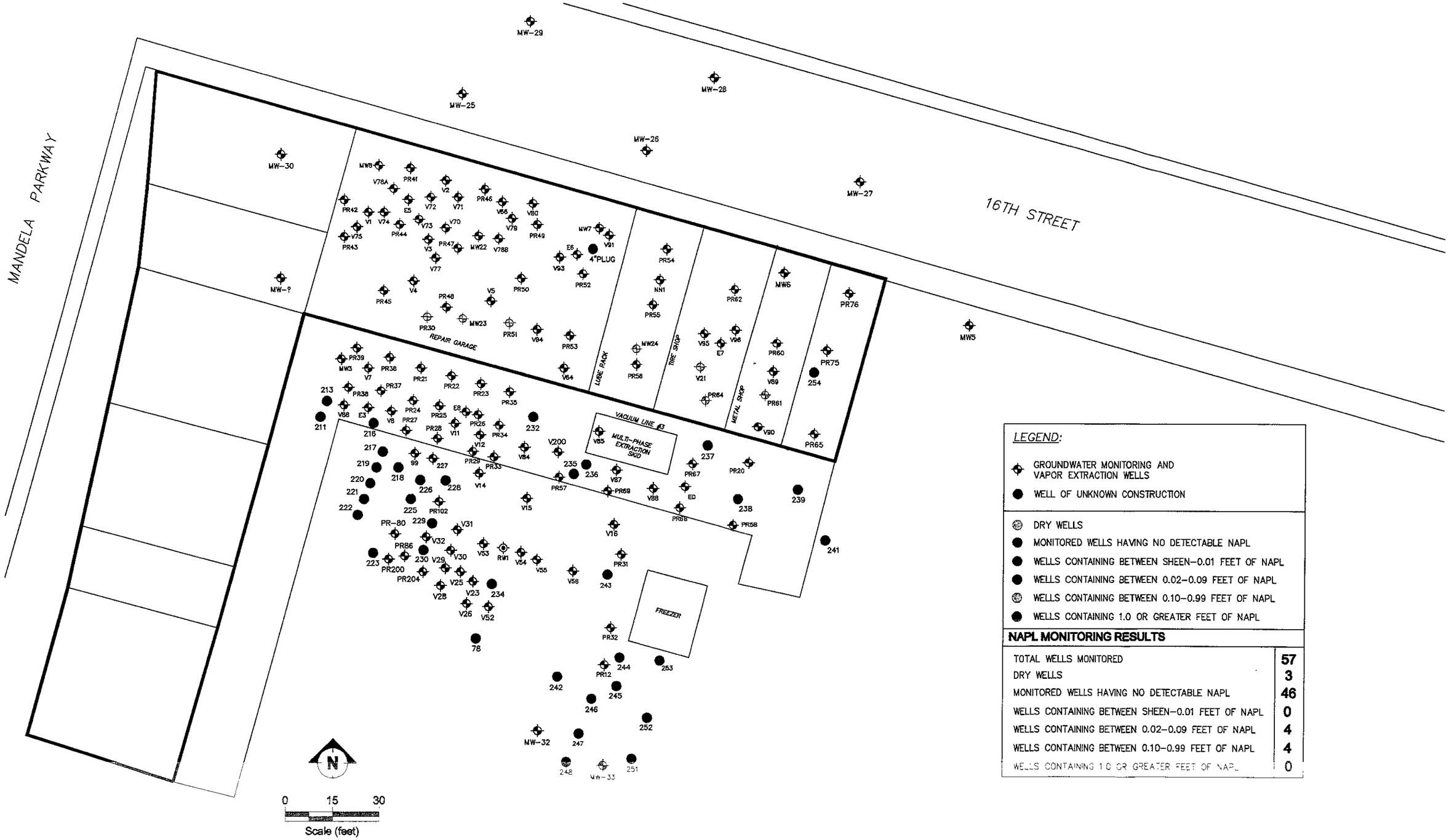
Test	Result	Units	DetLim	Method	Analysis Date
Dibromochloromethane	ND	µg/L	0.5	EPA 8021	06/08/2001
Bromoform	ND	µg/L	0.5	EPA 8021	06/08/2001
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8021	06/08/2001
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8021	06/08/2001
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8021	06/08/2001
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8021	06/08/2001
Chlorobenzene	ND	µg/L	0.5	EPA 8021	06/08/2001
Gasoline Range Organics	ND	mg/L	0.20	CA-Luft	06/08/2001

ND : Not Detected.

Unless you request otherwise, this sample will be discarded 90 days from from the date of this report.
Sample condition upon receipt: Good

Results relate only to the items tested.

John Heuser
Chemist



LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION

- DRY WELLS
- MONITORED WELLS HAVING NO DETECTABLE NAPL
- WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL
- WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL
- WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL

NAPL MONITORING RESULTS

TOTAL WELLS MONITORED	57
DRY WELLS	3
MONITORED WELLS HAVING NO DETECTABLE NAPL	46
WELLS CONTAINING BETWEEN SHEEN–0.01 FEET OF NAPL	0
WELLS CONTAINING BETWEEN 0.02–0.09 FEET OF NAPL	4
WELLS CONTAINING BETWEEN 0.10–0.99 FEET OF NAPL	4
WELLS CONTAINING 1.0 OR GREATER FEET OF NAPL	0

FILENAME: NAPL0501.DWG 06/05/01

ETIC Engineering, Inc.

SITE PLAN SHOWING DISTRIBUTION OF NAPL, JANUARY-MAY 2001
FORMER NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE: 8

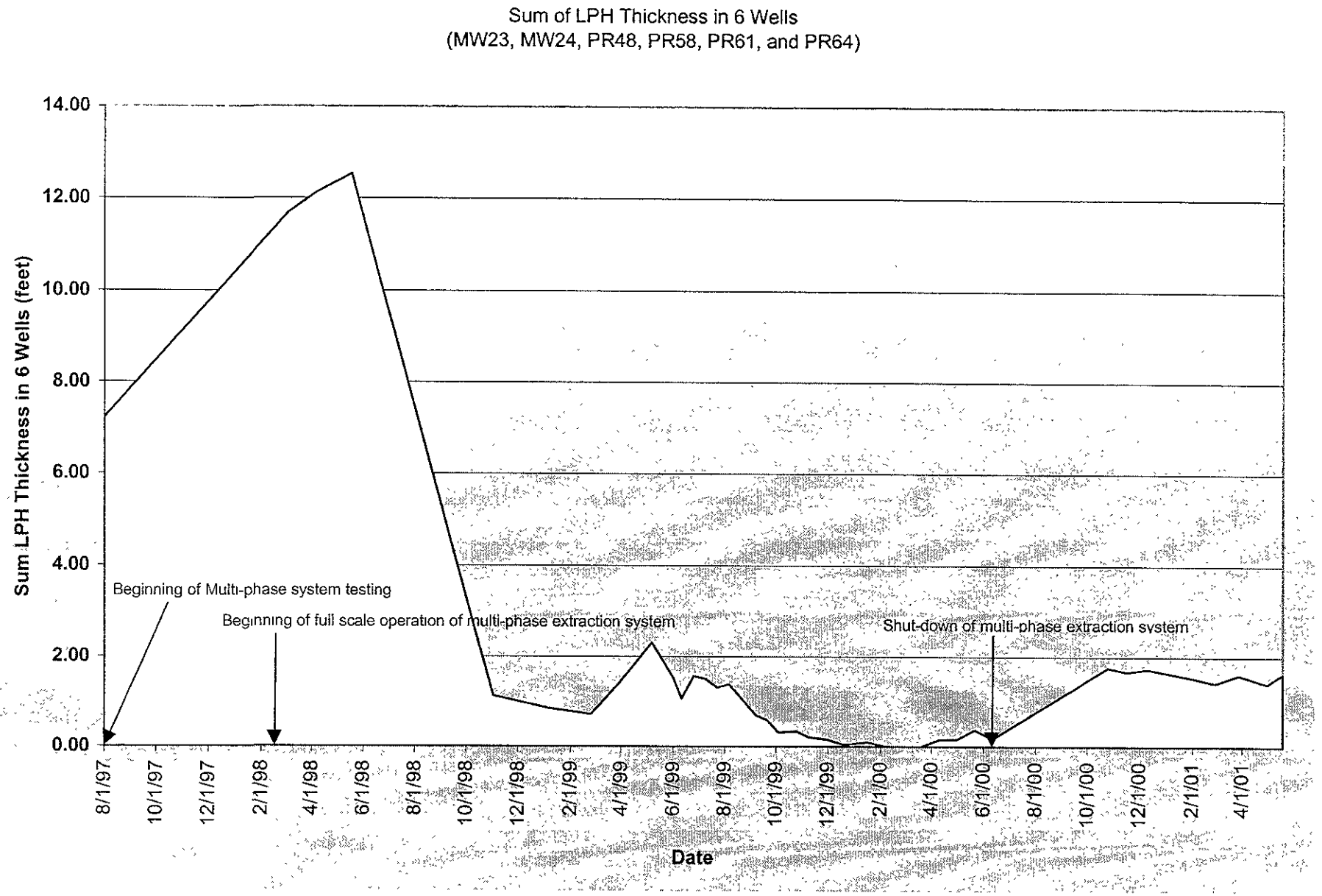


Figure 7: Sum of LPH Thickness in 6 Wells

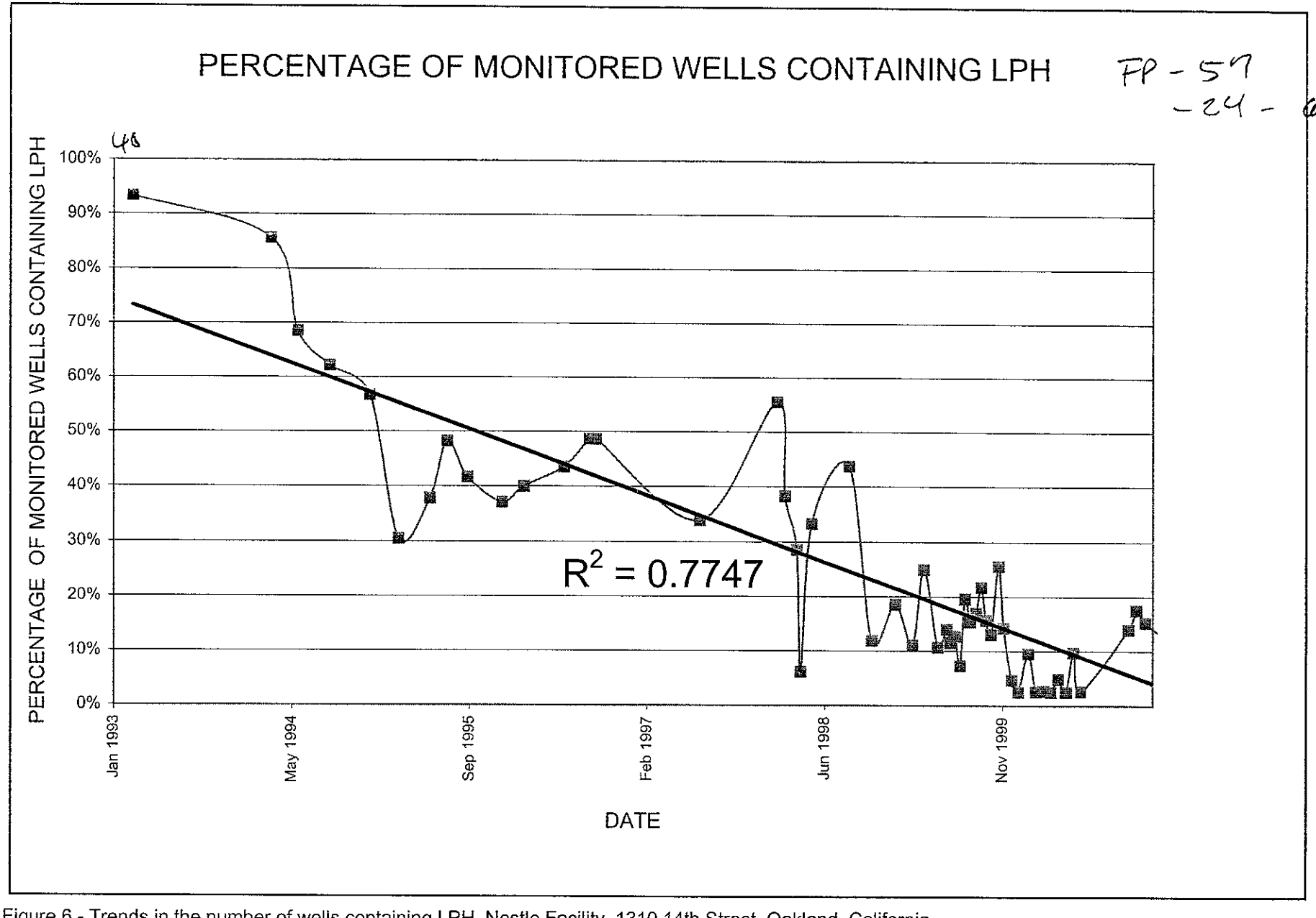


Figure 6 - Trends in the number of wells containing LPH, Nestle Facility, 1310 14th Street, Oakland, California

F:\Projects\Nestle oakland\Public\CSCR900\Gaugingcount.xls\Graph

Liquid Phase Hydrocarbon Monitoring Results	1/4/93	2/24/93	3/18/94	6/2/94	8/31/94	12/22/94	3/13/95	6/9/95	7/27/95	9/22/95	12/28/95	2/27/96	2/29/96	6/20/96	8/30/96	9/18/96	10/4/96	10/11/96	10/18/96	10/22/96	11/22/96	12/6/96	12/17/96	12/21/96	1/3/97	1/14/97	2/10/97	2/17/97	2/28/97	3/7/97	3/14/97	3/28/97	4/11/97	4/17/97	4/25/97	5/2/97	5/9/97	5/16/97	6/6/97	7/8/97	2/10/98	3/4/98
Total number of wells monitored for LPH	28	30	21	35	37	37	36	37	29	36	35	40	16	39	39	37	4	5	4	4	4	4	4	4	4	3	4	4	4	4	3	4	4	4	4	4	4	4	4	56	27	47
Total number of dry wells	0	0	0	0	0	0	0	1	2	7	3	5	0	7	8	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	0	0
Wells containing no detectable LPH	0	2	2	11	13	12	25	22	5	14	19	19	1	12	11	12	1	1	1	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	21	12	25
Wells containing between a sheen and 0.01 ft. of LPH	0	0	1	0	1	4	0	0	8	0	0	0	0	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	4
Wells containing between 0.02 and 0.09 ft. of LPH	2	3	2	2	3	6	2	3	2	1	2	0	5	3	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4	1	8
Wells containing between 0.10 and 0.99 ft. of LPH	16	11	5	13	18	4	5	6	7	8	11	7	7	3	9	10	3	4	2	1	1	1	1	2	2	0	2	2	2	1	1	1	1	2	1	2	2	2	2	10	6	5
Wells containing 1.0 ft. or greater of LPH	10	14	11	9	2	11	4	5	5	6	0	9	3	11	5	2	0	0	0	0	0	1	1	0	0	1	1	1	1	2	1	1	2	1	2	1	1	1	1	5	8	5

Figure 5. LPH Thickness in Monitoring Wells. Nestle Oakland Facility, 1310 14th Street. Oakland, California
Page 1

Liquid Phase Hydrocarbon Monitoring Results	3/18/98	4/6/98	4/17/98	5/18/98	8/31/98	11/2/98	1/7/99	2/25/99	3/29/99	5/7/99	6/1/99	6/11/99	6/25/99	7/9/99	7/23/99	8/6/99	8/23/99	9/7/99	9/20/99	10/4/99	10/25/99	11/8/99	12/1/99	12/20/99	1/17/00	2/7/00	2/28/00	3/20/00	4/10/00	5/1/00	5/22/00	6/12/00	10/25/00	11/16/00	12/11/00	1/31/01	2/28/01	3/28/01	4/30/01	5/18/01
Total number of wells monitored for LPH	15	49	49	48	32	42	27	63	36	56	50	52	55	55	51	52	53	46	51	46	39	42	43	41	42	40	38	42	41	41	41	39	57	57	59	57	57	57	57	57
Total number of dry wells	0	0	4	0	3	9	2	2	2	5	4	4	5	5	3	2	6	3	5	2	4	5	3	2	2	0	0	0	0	0	0	0	5	5	7	6	4	4	4	3
Wells containing no detectable LPH	14	32	41	31	13	27	20	50	22	45	39	42	42	40	37	40	35	31	36	34	22	24	31	35	30	36	36	39	36	38	35	38	42	41	41	44	49	48	48	47
Wells containing between a sheen and 0.01 ft. of LPH	0	3	1	1	2	1	0	4	3	0	0	0	1	6	1	2	3	2	2	4	3	7	7	3	6	3	1	2	3	2	2	0	2	1	2	0	0	0	0	0
Wells containing between 0.02 and 0.09 ft. of LPH	0	5	1	5	6	3	1	4	5	1	1	2	3	0	6	4	4	7	5	5	9	4	1	1	4	1	1	1	1	0	2	0	2	4	3	3	0	1	1	3
Wells containing between 0.10 and 0.99 ft. of LPH	1	3	2	6	6	2	4	3	4	4	6	4	4	4	4	4	5	3	3	1	1	2	1	0	0	0	0	0	1	1	2	1	6	6	6	4	4	4	4	4
Wells containing 1.0 ft. or greater of LPH	0	6	0	5	2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Figure 5. LPH Thickness in Monitoring Wells, Nestle Oakland Facility, 1310 14th Street, Oakland, California

1 Prior Nestle-Oakland Public GSCR900 gaugingcount LPH count

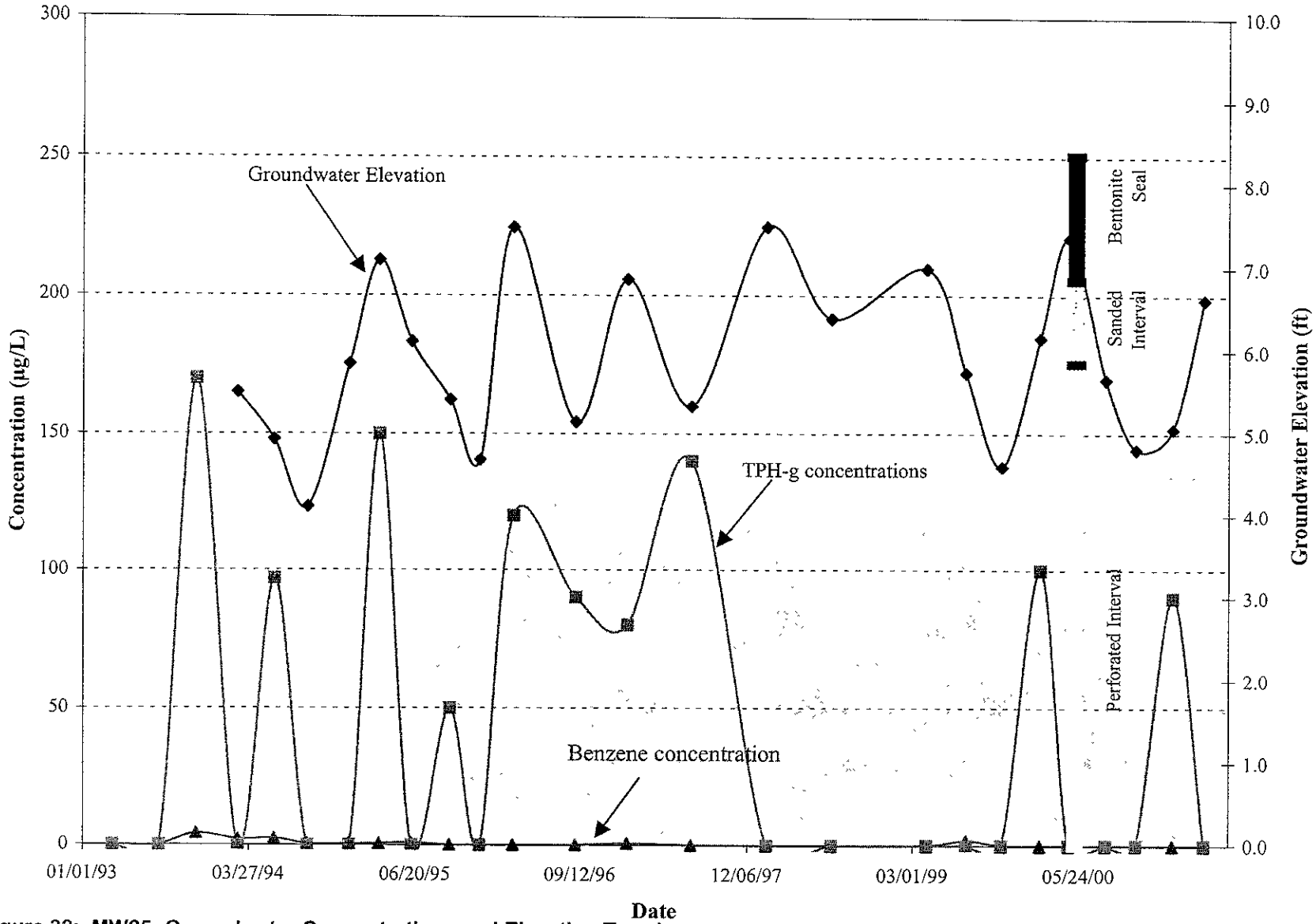


Figure 32: MW25: Groundwater Concentrations and Elevation Trends

F:\Proj\NestleOakland\Public\CSCR900\conctrends400\32-MW25CvT

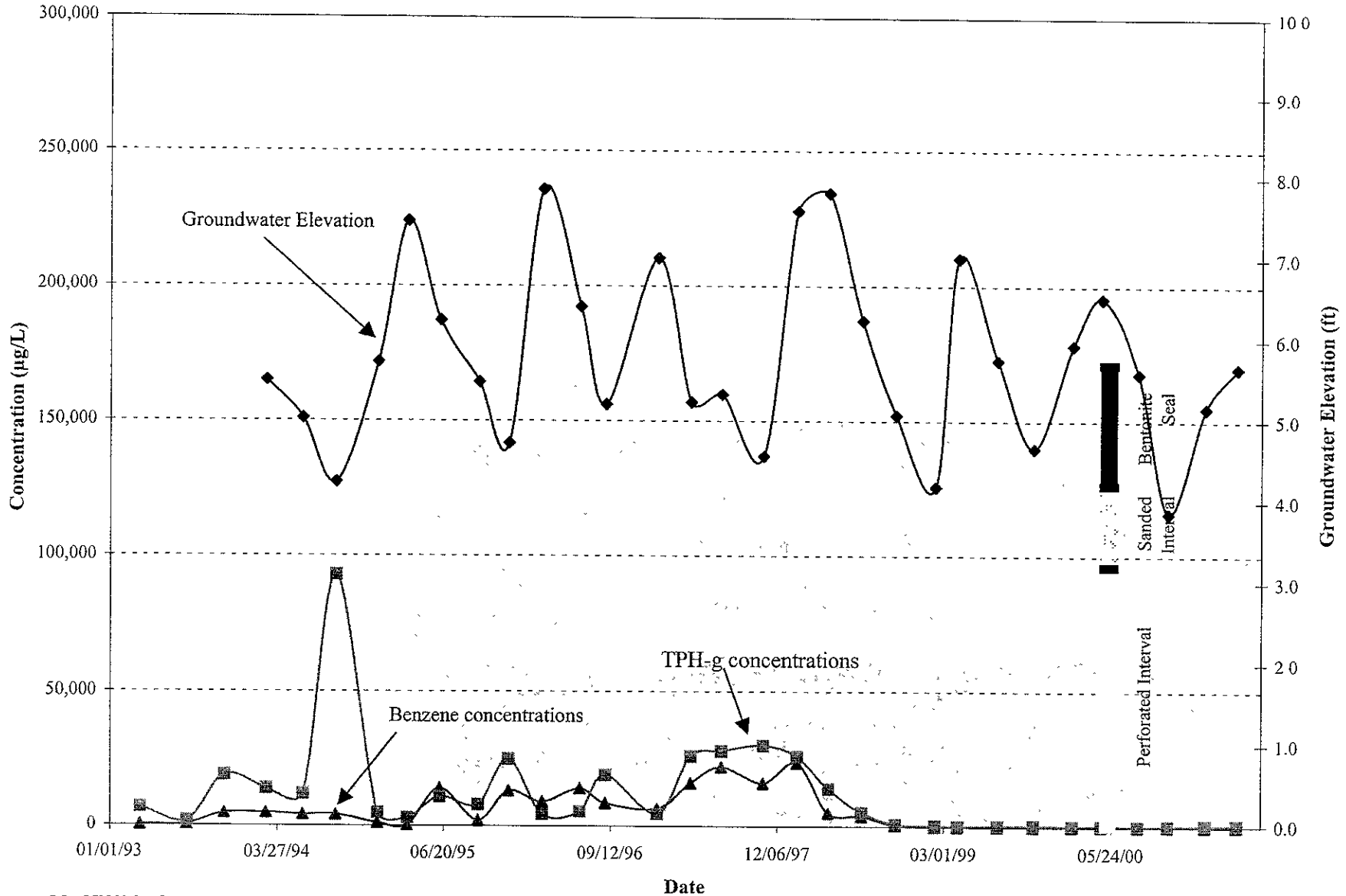


Figure 33: MW26: Groundwater Concentrations and Elevation Trends

F \Proj\NestleOakland\Public\CSCR900\Conctrends400\33-MW26CvT

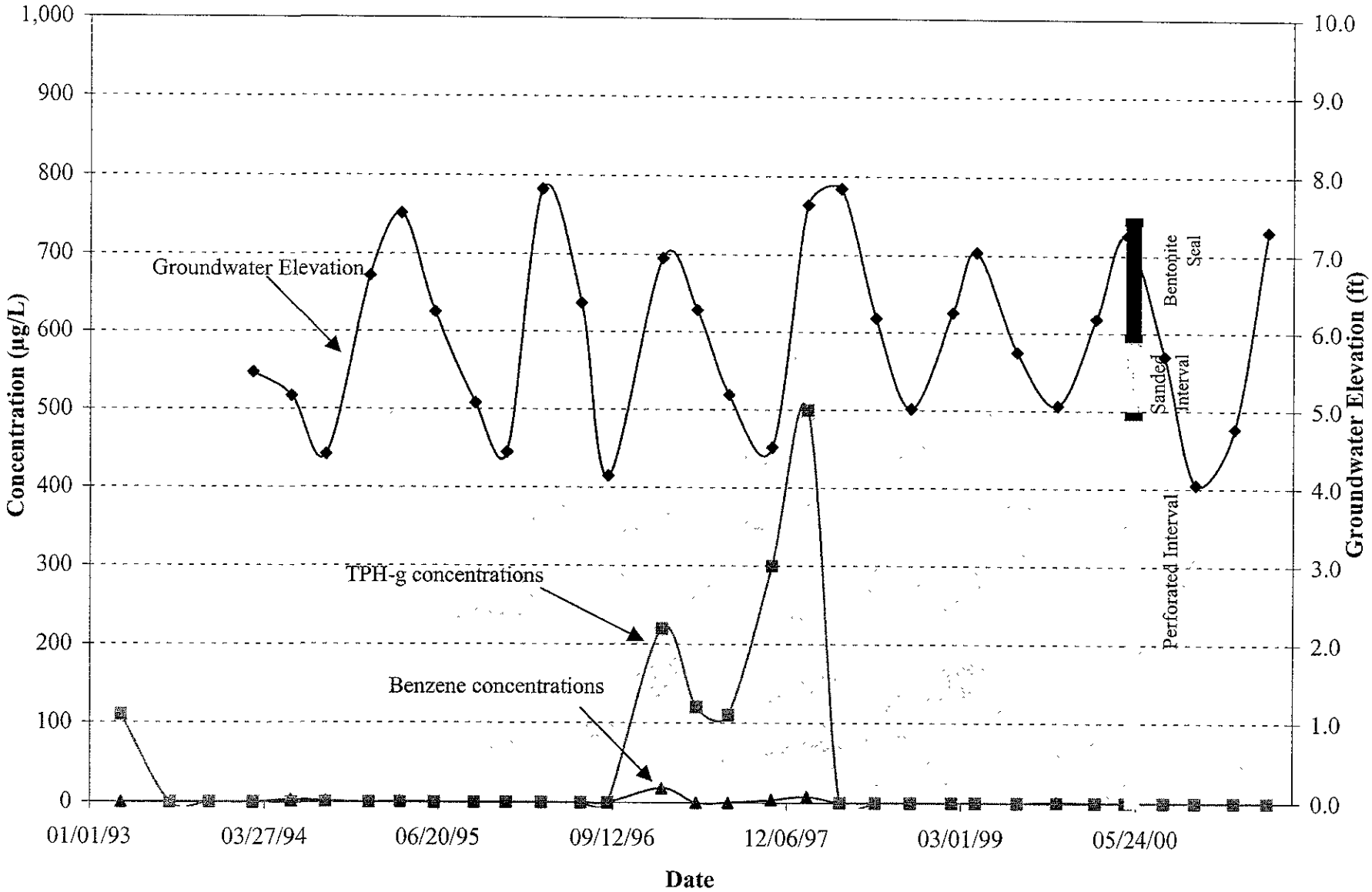


Figure 34: MW28: Groundwater Concentrations and Elevation Trends

F:\Proj\NestleOakland\Public\CSCR900\Conctrends400\34-MW28CvT

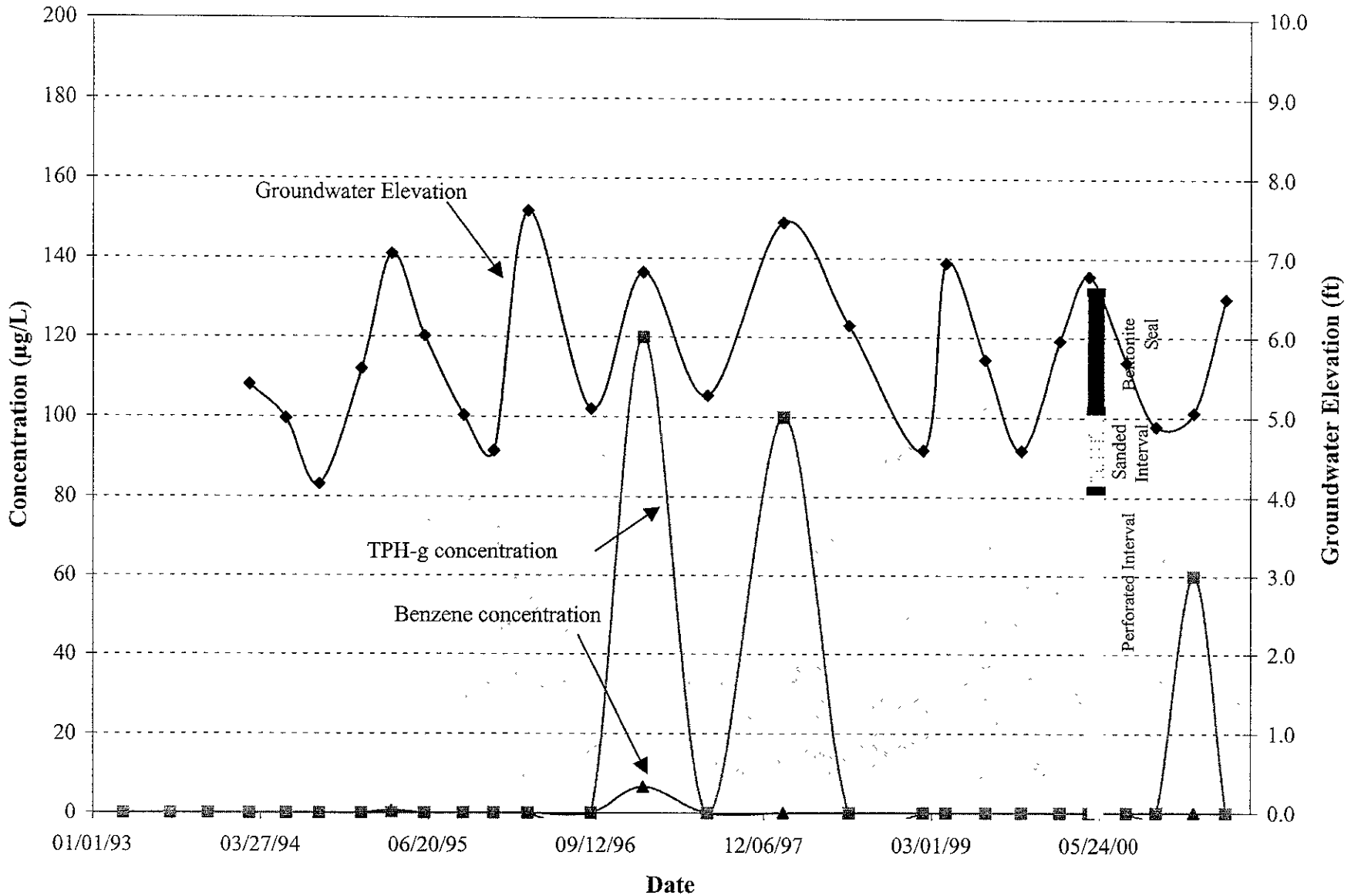


Figure 35: MW29: Concentration and Groundwater Elevation Trends

F:\Proj\NestleOakland\Public\CSCR900\conctrends400\35-MW29CvT

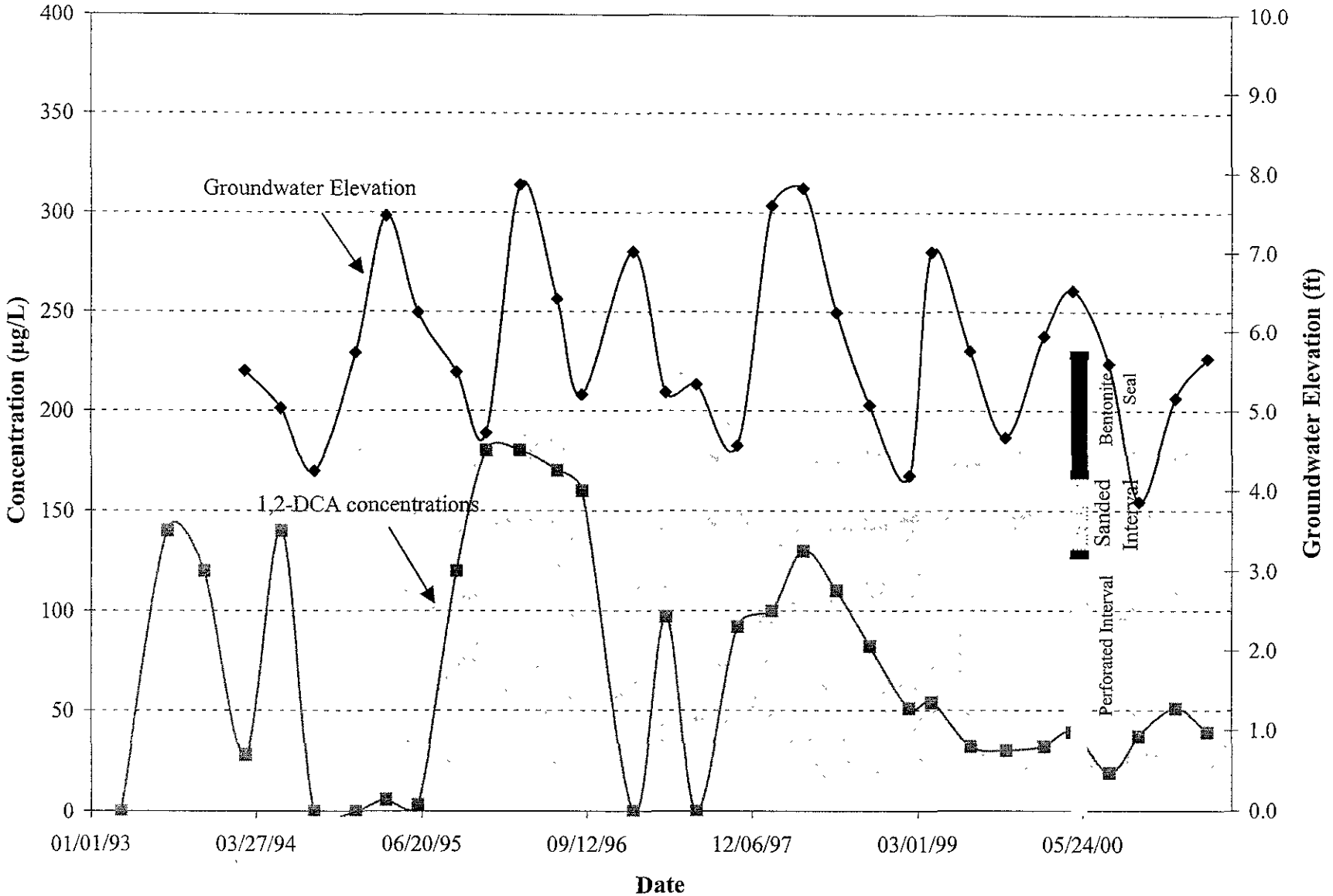


Figure 37: MW26: Groundwater Concentrations and Elevation Trends

F \Proj\NestleOakland\Public\CSCR900\conctrends400\37-MW26CvT

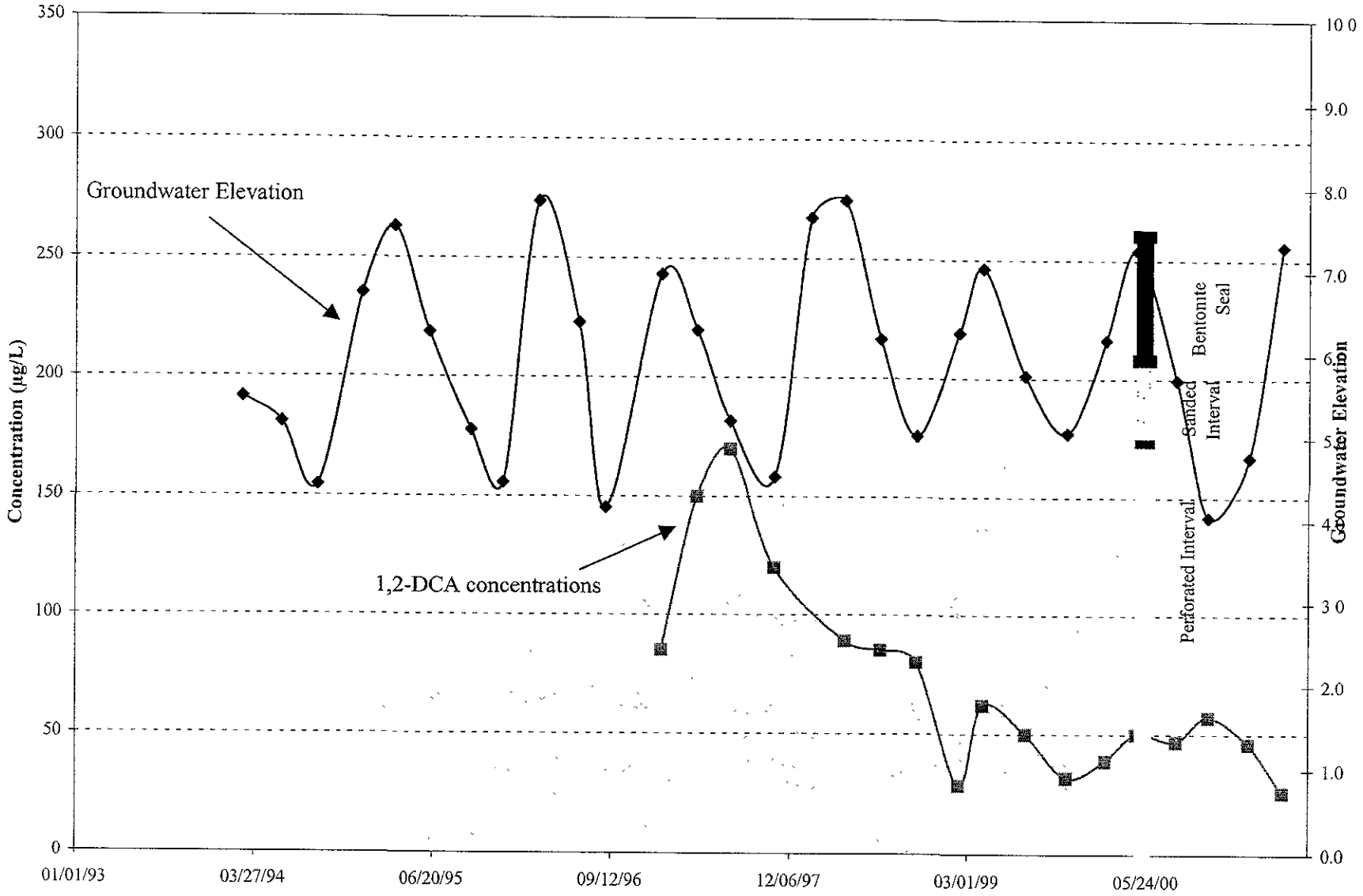


Figure 38: MW28: Groundwater Concentrations and Elevation Trends

F:\Proj\NestleOakland\Public\CSCR900\Conctrends400\38-MW28CvT

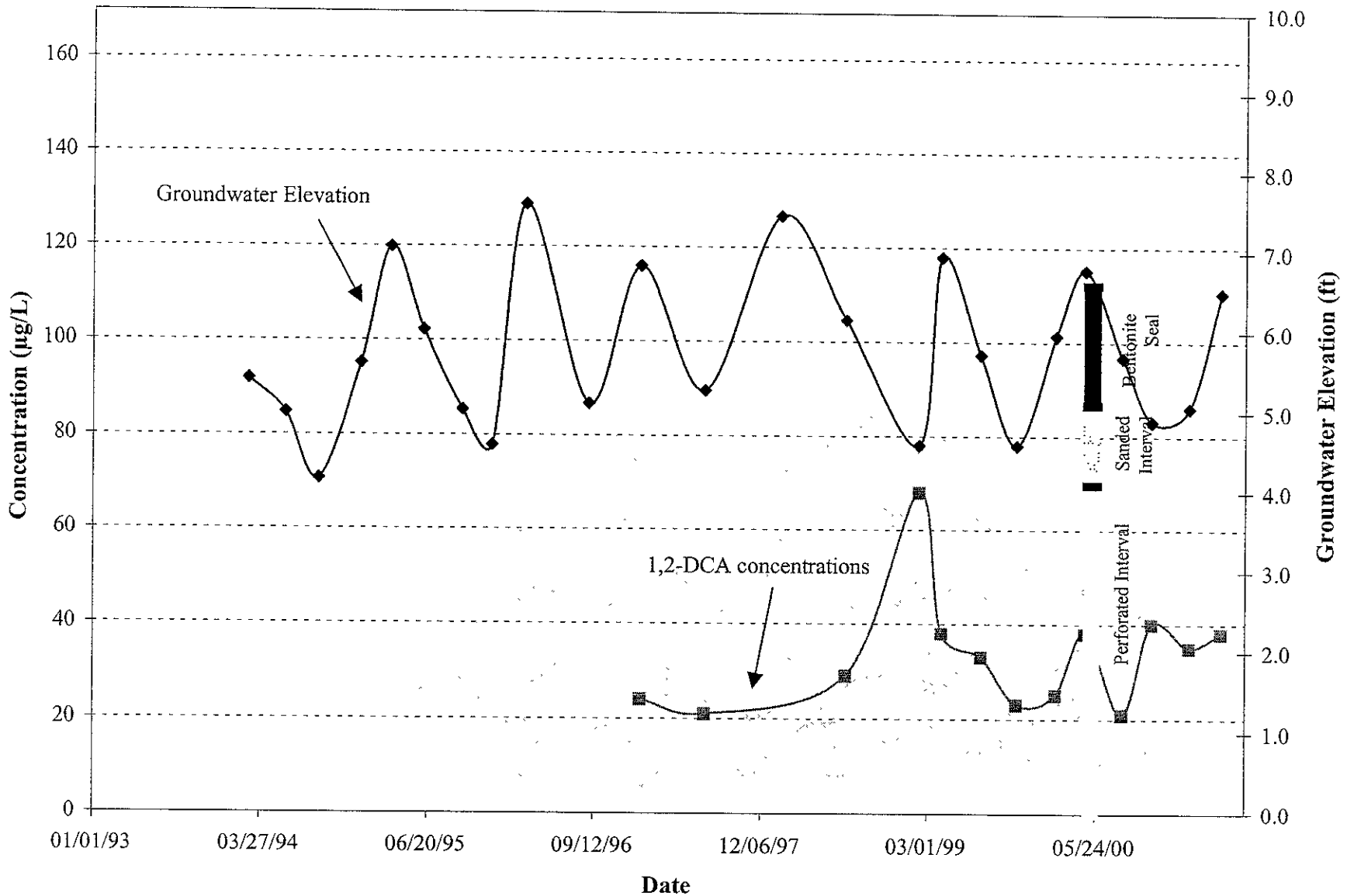


Figure 39: MW29: Groundwater Concentrations and Elevation Trend

F:\Proj\NestleOakland\Public\CSCR900\Conctrends400\39-MW29CvT

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-2	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	--	--	--	--	--	--	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.8	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	0.7	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	<0.5	<50	<150	0.7	<0.5	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-3	03/23/93	35	2.9	2	3.2	300	ND	--	--	--	--	--	
	07/27/93	97	1	4	1.1	220	ND	--	--	--	--	--	
	11/05/93	4.9	ND	ND	1.2	170	ND	--	--	--	--	--	
	02/25/94	42	<1	<1	<1	100	<1,000	--	--	--	--	--	
	06/03/94	120	8.2	8.4	4.5	320	<20,000	--	--	--	--	--	
	08/31/94	83	1.1	5.3	2.9	<500	<500	--	--	--	--	--	
	12/22/94	1,460	18	100	50	3,800	270	--	--	--	--	--	
	03/13/95	3,600	260	270	280	14,000	1,700	--	--	--	--	--	
	06/09/95	4,700	58	140	71	3,700	120	--	--	--	--	--	
	09/21/95	9,800	58	600	95	14,000	300	--	--	--	--	--	
	12/12/95	330	2.1	47	5.3	700	<50	--	--	--	--	--	
	03/12/96	350	4.6	23	8.7	600	<50	--	--	--	--	--	
	06/21/96	940	76	98	57	1,900	<50	--	--	--	--	--	
	08/29/96	420	29	44	28	900	<150	--	--	--	--	--	
	01/16/97	1,600	270	120	194	3,600	700	<0.5	9.2	<0.5	<0.5	--	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-3	04/15/97	1,300	300	180	160	4,300	800	<0.5	16	<0.5	1.1	6.9	
	07/07/97	100	84	100	67	1,900	350	--	--	--	--	3.8	
	10/27/97	1,030	60	54	40	2,200	--	<0.5	2.4	<0.5	<0.5	3.1	
	01/27/98	1,070	98	73	69	3,200	--	--	--	--	--	3.9	
	04/22/98	610	56	49	54	1,800	--	<0.5	3.0	<0.5	<0.5	1.1	
	07/22/98	1,800	230	160	180	3,600	370	--	--	--	--	5.0	
	10/21/98	78	1.0	3.8	0.6	110	<250	<0.5	0.6	<0.5	<0.5	<0.5	
	07/23/99	1,500	140	76.0	260	4,000	790	<0.5	1.0	<0.5	<0.5	5.60	
	10/28/99	1,100	43	58	102	3,000	600	<0.5	0.9	--	<0.5	--	
	02/10/00	690	22	36	49	1,400	520	<0.5	<0.5	<0.5	<0.5	2.20	
	04/27/00	1,100	140	73	163	2,400	250	<0.5	0.6	<0.5	<0.5	<0.5	
	08/03/00	520	7.7	21	27	1,100	750	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	2,000	16	22	46	3,800	760	<0.5	0.7	<0.5	<0.5	<0.5	
	01/31/01	**360**	**8.6**	**14**	**28**	**860**	**300**	**<0.5**	**0.6**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**808**	**60.6**	**46.8**	**115**	**1,540**	**280**	**<0.5**	**0.8**	**<0.5**	**<0.5**	**<0.5**	
MW-5	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-6	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	3.5	<100	<1,000	--	--	--	--	--	
	06/03/94	2.7	<0.5	<0.5	<0.5	69	<20,000	--	--	--	--	--	
	08/31/94	<0.3	8.7	1.6	3.5	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	1.2	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	0.6	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	5.5	16	2.9	16	140	220	<0.5	6.3	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-6	10/24/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	7.7	<0.5	<0.5	<0.5	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**6.9**	**<0.5**	**<0.5**	**<0.5**	
	04/27/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**6.6**	**<0.5**	**<0.5**	**<0.5**	
MW-11	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-12	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-13	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
MW-15	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
MW-25	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	4.2	4.4	2.5	20	170	ND	--	--	--	--	--	
	02/25/94	2.1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	2.4	14	<0.5	3.4	97	<20,000	--	--	--	--	--	
	08/31/94	0.5	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.58	<0.5	<0.5	<0.5	150	950	--	--	--	--	--	
	06/09/95	0.8	<0.5	<0.5	<0.5	<100	60	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	120	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	90	<150	--	--	--	--	--	
	01/16/97	0.6	<0.5	<0.5	<0.5	80	<150	25	41	<0.5	<0.5	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	140	<150	--	--	--	--	11	
	01/27/98	<0.5	<0.5	<0.5	<0.5	<100	--	--	--	--	--	10	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	24	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	340	28	59	<0.5	<0.5	28	h
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	27	72	<0.5	<0.5	27	i
	07/23/99	1.80	<0.5	<0.5	<0.5	<50	<200	30	58	<0.5	<0.5	23.0	
	10/27/99	<0.5	1.4	<0.5	1.0	<100	<200	35	47	--	<0.5	--	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-25	02/08/00	<0.5	<0.5	<0.5	<0.5	100	<250	39	41	<0.5	<0.5	29.0	q
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	51	38	<0.5	<0.5	18	t
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	40	57	<0.5	<0.5	27	w
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	54	68	<0.5	<0.5	38	B
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**90**	**<250**	**52**	**46**	**<0.5**	**<0.5**	**22**	**D**
	04/26/01	**<0.5**	**0.62**	**<0.5**	**<0.5**	**<200**	**<250**	**49**	**37**	**<0.5**	**<0.5**	**15.8**	**L**
MW-26	03/23/93	180	190	55	330	7,000	1,300	ND	ND	ND	ND	--	
	07/27/93	470	96	30	80	1,800	ND	ND	140	ND	ND	--	
	11/05/93	4,700	1,300	9	1,400	19,000	ND	ND	120	ND	ND	--	
	02/25/94	4,800	570	200	860	14,000	<1,000	<1	28	<1	<1	--	
	06/03/94	4,100	300	120	230	12,000	<20,000	1.7	140	<0.5	<0.5	--	c
	08/31/94	4,100	360	170	450	93,000	1,400	<4.0	<4.0	<4.0	<4.0	--	
	12/22/94	1,030	170	85	290	5,000	560	<2.0	<2.0	<2.0	<2.0	--	d
	03/13/95	320	19	23	66	3,000	810	53	5.8	<0.5	<0.5	--	
	06/09/95	14,000	64	31	230	10,800	310	240	3.1	1	<0.5	--	
	09/21/95	1,900	160	160	330	8,000	200	1.3	120	<0.5	<0.5	--	
	12/12/95	13,000	38	36	120	25,000	0.6	1.4	180	<0.5	<0.5	--	b
	03/12/96	9,000	33	30	65	4,400	<50	<0.5	180	<0.5	<0.5	--	
	06/21/96	14,000	27	16	66	5,400	<50	3.2	170	<0.5	<0.5	--	
	08/29/96	8,500	26	28	74	19,000	<150	<0.5	160	<0.5	<0.5	--	
	01/16/97	6,500	21	31	47	4,600	--	4.3	>50	<0.5	<0.5	26	
	04/15/97	16,000	33	40	160	26,000	2,200	3.5	97	<0.5	2.4	40	e
	07/07/97	22,000	44	170	200	28,000	1,100	<5.0	<5.0	<5.0	<5.0	95	
	10/27/97	16,000	26	100	37	30,000	--	3.6	92	<0.5	<0.5	38	
	01/27/98	23,600	<5.0	<5.0	<5.0	26,000	420	8.3	100	<0.5	<0.5	100	
	04/22/98	5,000	4.3	9.2	16	14,000	--	13	130	<0.5	<0.5	27	
	07/22/98	3,800	5.7	6.9	11	5,200	750	10	110	--	<1.0	33	
	10/21/98	420	<0.5	2.1	2.7	820	<250	24	82	<0.5	<0.5	31	
	02/05/99	20	<0.5	0.60	0.80	230	230	10	51	<0.5	<0.5	29	
	04/07/99	<0.5	<0.5	<0.5	<0.5	80	<250	15	54	<0.5	<0.5	25	
	07/23/99	7.10	<0.5	<0.5	0.80	180	<200	12	32	<0.5	<0.5	12.0	
	10/27/99	14	1.4	2.9	7.8	400	<200	13	30	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	80	<250	13	32	<0.5	<0.5	28.0	
	04/26/00	0.7	<0.5	0.6	<0.5	200	340	7.5	39	<0.5	<0.5	22	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-26	08/03/00	6.8	<0.5	0.6	1.4	<50	<250	7.4	19	<0.5	<0.5	19	
	10/23/00	10	0.8	1.7	1.7	80	<250	5.1	37	<0.5	<0.5	26	
	01/31/01	**26**	**0.70**	**2.4**	**2.2**	**390**	**320**	**5.7**	**51**	**<0.5**	**<0.5**	**33**	
	04/26/01	**10.6**	**<0.5**	**0.70**	**1.04**	**400**	**350**	**16**	**39**	**<0.5**	**<0.5**	**28.5**	
MW-27	06/21/96	<0.5	<0.5	<0.5	<0.5	<50	<50	<0.5	6.8	<0.5	<0.5	--	
	08/29/96	--	--	--	--	--	--	--	--	--	--	--	
	01/16/97	12	5.0	<0.5	2.6	70	<150	<0.5	5.7	<0.5	<0.5	--	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	<1.0	1.4	--	<1.0	<0.5	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	0.7	<0.5	<0.5	<0.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	0.7	<0.5	<0.5	<0.5	
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
MW-28	03/23/93	ND	ND	ND	ND	110	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.1	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1	--	--	--	--	--	
	06/03/94	3.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	1.4	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.91	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	18	20	2.2	13	220	<150	5.1	85	<0.5	<0.5	8.2	
	04/15/97	<0.5	<0.5	<0.5	<0.5	120	<150	1.1	150	<0.5	<0.5	7.1	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-28	07/07/97	<0.5	<0.5	<0.5	<0.5	110	<150	<5.0	170	<5.0	<5.0	7.2	
	10/27/97	3.6	<0.5	<0.5	<0.5	300	--	6.2	120	<0.5	<0.5	36	
	01/27/98	7.6	<0.5	<0.5	<0.5	500	<150	--	--	--	--	56	
	04/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	1.0	89	<0.5	<0.5	8.6	
	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	--	<1.0	85	--	<1.0	18	
	10/21/98	<0.5	<0.5	<0.5	<0.5	<50	<250	0.5	80	<0.5	<0.5	12	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	32	29	<0.5	<0.5	5.0	h
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	62	<0.5	<0.5	4.5	
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	50	<0.5	<0.5	1.80	
	10/27/99	--	--	--	--	--	<200	--	--	--	--	--	
	11/02/99	0.7	<0.5	<0.5	<0.5	<100	--	<0.5	32	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	39	<0.5	<0.5	4.30	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	50	<0.5	<0.5	1.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	47	<0.5	<0.5	3.7	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	57	<0.5	<0.5	4.7	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**46**	**<0.5**	**<0.5**	**4.4**	
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**26**	**<0.5**	**<0.5**	**1.98**	
MW-29	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	2.1	11	ND	ND	--	--	--	--	--	
	02/25/94	<1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	<0.5	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	<0.3	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.59	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	6.6	8.9	0.6	9.3	120	<150	47	24	<0.5	<0.5	1.8	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	52	21	<5.0	<5.0	1.2	
	01/27/98	<0.5	<0.5	<0.5	<0.5	100	<150	--	--	--	--	8.0	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-29	07/22/98	<0.5	<0.5	<0.5	<0.5	<50	<250	12	29	--	<1.0	7.8	
	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	68	<0.5	<0.5	8.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	30	38	<0.5	<0.5	4.9	j
	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	44	33	<0.5	1.9	4.70	k, l
	10/27/99	<0.5	<0.5	<0.5	<0.5	<100	<200	36	23	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	87	25	<0.5	<0.5	18.0	s
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	61	38	<0.5	<0.5	12	u
	08/16/00	<0.5	<0.5	<0.5	<0.5	<50	--	49	21	<0.5	<0.5	17	v
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	94	40	<0.5	<0.5	34	C
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**60**	**<250**	**100**	**35**	**<0.5**	**<0.5**	**26**	**E**
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**270**	**87**	**38**	**<0.5**	**<0.5**	**39.1**	**M**
MW-30	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.8	ND	ND	--	--	--	--	--	
	02/25/94	1.3	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	1.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	0.8	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.6	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.98	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	--	
	01/16/97	<0.5	<0.5	<0.5	0.6	80	<150	<0.5	<0.5	<0.5	0.9	--	
	07/07/97	<0.5	<0.5	<0.5	<0.5	<50	<150	--	--	--	--	<0.5	
	01/27/98	5.4	<0.5	<0.5	<0.5	100	--	--	--	--	--	<0.5	
	07/22/98	<0.5	<0 5	<0.5	<0.5	<50	--	--	--	--	--	<0.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-30	08/04/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/24/00	5.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/27/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
MW-32	03/23/93	391	6.2	3.1	9	440	ND	ND	60	ND	ND	--	
	07/27/93	ND	ND	ND	ND	ND	ND	ND	14	ND	ND	--	
	11/05/93	20	ND	1.8	2.1	170	ND	ND	7.9	ND	ND	--	
	02/25/94	5.6	<1	<1	<1	<100	<1,000	<1	<1	<1	<1	--	
	06/03/94	120	1.3	<0.5	1.4	350	<20,000	<0.5	11	<0.5	<0.5	--	
	08/31/94	39	0.5	2.2	1.2	<500	<500	<4.0	10	<4.0	<4.0	--	
	12/22/94	4.8	<0.5	<0.5	<0.5	<50	<50	<2.0	4.6	<2.0	<2.0	--	a
	03/13/95	220	3.6	6.5	5.8	1,100	<400	<0.5	16	<0.5	<0.5	--	
	06/09/95	1,500	7.9	43	14	2,200	180	0.7	<0.5	0.5	<0.5	--	
	09/21/95	1,200	2.4	72	4.5	2,300	60	<0.5	6.7	<0.5	1.4	--	
	12/12/95	230	<0.5	8.9	<1.0	500	<50	<0.5	28	<0.5	<0.5	--	
	03/12/96	40	<0.5	1.7	<0.5	110	<50	<0.5	6.8	<0.5	<0.5	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	150	<0.5	49	<0.5	700	<150	<0.5	27	<0.5	<0.5	--	
	01/16/97	14	<0.5	1.9	<0.5	150	<150	<0.5	10	<0.5	0.7	--	f
	07/07/97	370	11	110	21	1,600	190	--	--	--	--	11	g
	01/27/98	13	<0.5	1.0	<0.5	300	--	<0.5	7.5	<0.5	<0.5	2.5	
	07/22/98	700	55	88	66	2,300	--	--	--	--	--	14	
	07/22/99	59.0	0.80	1.80	<0.5	900	220	<0.5	5.9	<0.5	<0.5	8.70	
	10/28/99	95	2.5	2.1	1.6	500	<200	<0.5	12	--	<0.5	--	
	02/10/00	7.0	<0.5	<0.5	<0.5	120	<250	<0.5	4.3	<0.5	<0.5	1.10	
	04/27/00	240	7.0	12	18.8	800	250	<0.5	9.8	<0.5	<0.5	<0.5	
	08/03/00	620	3.0	14	4.1	1,300	<250	<0.5	3.0	<0.5	<0.5	<0.5	
	10/23/00	430	4.30	5.50	8.80	1,200	260	<0.5	7.8	<0.5	<0.5	<0.5	
	01/31/01	**42**	**1.5**	**0.90**	**2.8**	**280**	**<250**	**<0.5**	**5.7**	**<0.5**	**<0.5**	**3.6**	
	04/26/01	**268**	**13.0**	**22.1**	**22.0**	**780**	**<250**	**<0.5**	**6.3**	**<0.5**	**<0.5**	**<0.5**	
MW-33	04/07/99	0.60	<0.5	0.90	<0.5	<50	<250	--	--	--	--	<0.5	
	07/22/99	8.90	<0.5	1.00	<0.5	<50	<200	0.6	0.7	<0.5	<0.5	<0.5	
	10/28/99	40	0.9	21	3.8	200	<200	0.8	1.3	--	<0.5	--	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-33	02/10/00	20	0.7	12	10 0	380	<250	0.9	0.6	<0.5	<0.5	1.30	
	04/27/00	6.9	<0.5	6.4	<0.5	<100	250	4.3	0.9	<0.5	<0.5	<0.5	
	08/03/00	31	0.5	20	1.0	150	550	<0.5	0.6	<0.5	<0.5	<0.5	
	10/23/00	89	1.5	36	3.9	350	<250	<0.5	2.1	<0.5	<0.5	<0.5	
	01/31/01	**6.8**	**<0.5**	**2.0**	**<0.5**	**<50**	**<250**	**1.9**	**0.6**	**<0.5**	**<0.5**	**0.7**	
	04/26/01	**6.61**	**0.56**	**1.63**	**0.61**	**<200**	**<250**	**2.6**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
MW-?	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	430	--	--	--	--	<0.5	
PR-26	07/26/99	20,000	15,000	1,100	7,250	82,500	11,000	--	--	--	--	33.0	
	10/26/99	28,000	25,000	2,300	8,400	110,000	60,000	<0.5	24	--	<0.5	--	
PR-45	07/26/99	13,200	8,200	2,600	15,600	82,500	39,000	--	--	--	--	35.0	
	10/28/99	12,000	8,200	1,700	8,500	45,000	25,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	24,000	25,000	10,000	53,000	360,000	82,000	<0.5	4.0	<0.5	<0.5	1,000	
	04/27/00	17,000	9,500	16,000	92,000	1,300,000	20,300	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/04/00	20,000	8,800	2,600	16,000	73,000	54,500	<0.5	1.0	<0.5	<0.5	<0.5	
	10/23/00	26,000	12,000	4,000	20,000	96,000	36,000	<0.5	1.2	<0.5	<0.5	<5.0	x
	04/27/01	**16,200**	**8,600**	**3,220**	**19,000**	**178,000**	**22,700**	**<0.5**	**14**	**<0.5**	**<0.5**	**<25**	**O**
PR-52	07/26/99	12,000	1,720	750	12,400	172,000	40,000	<0.5	1.8	<0.5	<0.5	217	m
	10/28/99	19,000	530	1,800	5,800	40,000	450,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	22,000	1,600	4,100	15,800	200,000	140,000	<0.5	1.3	<0.5	<0.5	430	
	04/28/00	20,000	2,200	4,700	18,600	270,000	88,000	<1.0	<1.0	<1.0	<1.0	<5.0	
	08/04/00	26,000	1,600	2,900	15,000	150,000	110,000	<0.5	2.3	<0.5	<0.5	<0.5	
	10/24/00	52,000	13,000	41,000	180,000	650,000	280,000	<5.0	<5.0	<5.0	<5.0	<5.0	
	01/31/01	**81,000**	**840**	**57,000**	**210,000**	**5,300,000**	**276,000**	**<0.5**	**1.0**	**<0.5**	**<0.5**	**500**	**J, K**
	04/27/01	**25,000**	**16,300**	**14,700**	**55,000**	**886,000**	**134,000**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**1,040**	**R**
PR-53	07/26/99	31,000	12,000	1,900	8,800	110,000	98,000	<0.5	43	<0.5	<0.5	43.0	n
	10/27/99	17,000	3,900	890	3,320	54,000	16,000	<0.5	18	--	<0.5	--	
	02/09/00	21,000	5,000	1,200	5,300	65,000	9,400	0.6	20	<0.5	<0.5	67.0	r
	04/28/00	34,000	30,000	9,300	51,000	730,000	104,000	<1.0	<1.0	<1.0	<1.0	340	
	08/04/00	35,000	17,000	3,800	24,000	180,000	69,500	<0.5	1.7	<0.5	<0.5	110	
	10/24/00	99,000	110,000	80,000	640,000	580,000	380,000	<5.0	5.0	<5.0	<5.0	380	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
PR-53	**01/31/01**	**66,000**	**15,000**	**28,000**	**140,000**	**2,400,000**	**960,000**	**<0.5**	**1.5**	**<0.5**	**<0.5**	**660**	**H, I**
	04/27/01	**55,500**	**10,000**	**23,700**	**137,000**	**4,240,000**	**806,000**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5,000**	**Q**
PR-54	07/26/99	32,000	22,000	1,500	21,800	170,000	28,000	<0.5	3.0	<0.5	<0.5	56.0	o
	10/26/99	27,000	10,000	3,700	19,500	190,000	350,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	27,000	23,000	9,900	50,000	960,000	110,000	<0.5	3.9	<0.5	<0.5	1,000	
	04/28/00	24,000	14,000	1,200	9,000	76,000	80,000	<1.0	1.6	<1.0	<1.0	300	
	08/04/00	27,000	7,600	1,400	11,000	120,000	54,500	<0.5	2.0	<0.5	<0.5	200	
	10/24/00	23,000	4,400	2,000	13,000	140,000	96,000	<0.5	2.3	<0.5	<0.5	<100	y, z
	01/31/01	**30,000**	**8,300**	**3,300**	**21,000**	**220,000**	**236,000**	**<0.5**	**2.6**	**<0.5**	**<0.5**	**480**	**F, G**
	04/27/01	**26,100**	**8,650**	**2,120**	**15,900**	**51,300**	**108,000**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<500**	**P**
PR-64	07/26/99	22,000	18,000	1,700	10,300	110,000	--	<0.5	130	<0.5	<0.5	35.0	p
	10/27/99	11,000	7,400	1,200	3,900	66,000	50,000	<0.5	110	--	<0.5	--	
	02/09/00	22,000	20,000	6,000	17,000	120,000	40,000	<0.5	>50	<0.5	<0.5	110	
	04/28/00	19,000	16,000	1,800	13,900	130,000	78,000	<1.0	67	<1.0	<1.0	300	
PR-65	07/26/99	12,000	1,400	1,300	13,000	68,000	16,500	<0.5	2.6	<0.5	<0.5	20.0	
	10/26/99	14,000	2,300	1,800	11,000	65,000	50,000	<0.5	<0.5	--	<0.5	--	
PR-68	07/26/99	1,900	24.0	27.0	62.0	4,900	11,000	<0.5	1.2	<0.5	<0.5	4.40	
	10/26/99	2,800	36	86	62	8,000	2,800	<0.5	<0.5	--	<0.5	--	
PR-76	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	
V-24	04/07/99	<0.5	<0.5	<0.5	<0.5	120	<250	--	--	--	--	0.5	
V-31	07/26/99	7,000	600	550	1,370	17,500	5,350	--	--	--	--	19.0	
	10/26/99	7,000	120	850	950	18,000	3,000	<0.5	<0.5	--	<0.5	--	
V-46	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	270	<0.5	<0.5	<0.5	<0.5	<0.5	
V-55	07/22/99	8,000	480	740	2,880	30,000	2,100	<0.5	<0.5	<0.5	<0.5	13.0	
	10/28/99	11,000	59	1,200	317	28,000	38,000	<0.5	<0.5	--	<0.5	--	
	02/09/00	2,200	59	760	350	7,900	10,000	<0.5	<0.5	<0.5	<0.5	9.70	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
V-55	04/28/00	2,900	510	440	2,340	14,000	26,500	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/03/00	9,400	380	720	2,200	28,000	70,000	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	11,000	140	900	1,300	30,000	51,000	<0.5	<0.5	<0.5	<0.5	<12	
	01/31/01	**4,600**	**57**	**550**	**1,200**	**34,000**	**88,500**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**44**	
	04/26/01	**6,400**	**61.5**	**250**	**336**	**34,200**	**131,000**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<25**	
V-72	07/26/99	13,500	6.80	1.10	3.90	3,900	12,900	<0.5	11	<0.5	<0.5	<0.5	
	10/28/99	2,900	58	21	47.7	6,000	48,000	<0.5	3.4	--	<0.5	--	
	02/09/00	670	8.2	<0.5	17.8	890	6,100	<0.5	3.0	<0.5	<0.5	<0.5	
	04/28/00	130	<0.5	<0.5	<0.5	200	5,950	<0.5	0.7	<0.5	<0.5	<0.5	
	08/04/00	460	0.8	<0.5	0.6	440	4,120	<0.5	2.8	<0.5	<0.5	<0.5	
	10/24/00	2,700	3.2	0.5	2.3	3,500	17,000	<0.5	4.0	<0.5	<0.5	<0.5	
	04/27/01	**1,240**	**2.05**	**<0.5**	**2.78**	**1,310**	**6,300**	**<0.5**	**5.1**	**<0.5**	**<0.5**	**<0.5**	**S**
V-84	07/26/99	2,400	440	80.0	340	8,700	2,350	<0.5	2.4	<0.5	<0.5	6.40	
	10/26/99	1,100	130	46	108	4,000	700	<0.5	<0.5	--	<0.5	--	
	02/09/00	300	30	8.9	53	2,300	1,100	<0.5	1.2	<0.5	<0.5	<0.5	
	04/28/00	30	1.9	<0.5	<0.5	100	550	<5.0	<5.0	<5.0	<5.0	<0.5	
	08/04/00	900	110	34	120	2,700	1,380	<0.5	1.0	<0.5	<0.5	<0.5	
	10/24/00	2,000	480	24	110	48,000	1,900	<0.5	1.0	<0.5	<0.5	<0.5	
	01/31/01	**68**	**1.3**	**5.3**	**8.2**	**970**	**1,820**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**925**	**97.0**	**45.4**	**59.7**	**2,360**	**1,180**	**<0.5**	**0.8**	**<0.5**	**<0.5**	**<0.5**	
29 (CC-1)	07/23/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	1.4	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
30 (CC-2)	07/22/99	0.90	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/28/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/08/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
30 (CC-2)	04/26/00	<0.5	<0.5	<0.5	<0.5	<100	<250	<0.5	0.7	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	<0.5	<0.5	<0.5	<0.5	<50	340	<0.5	0.9	<0.5	<0.5	<2.5	
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
81	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	<150	<0.5	<0.5	<0.5	<0.5	<0.5	
	07/22/99	0.70	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
94	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	170	--	--	--	--	<0.5	
	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	
210	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	960	--	--	--	--	<0.5	
223	10/26/99	<0.5	<0.5	<0.5	<0.5	<100	<200	<0.5	<0.5	--	<0.5	--	
	02/10/00	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/27/00	<0.5	<0.5	<0.5	<0.5	<100	250	<0.5	<0.5	<0.5	<0.5	<0.5	
	08/03/00	<0.5	<0.5	<0.5	<0.5	<50	680	<0.5	<0.5	<0.5	<0.5	<0.5	
	10/23/00	1.30	<0.5	<0.5	<0.5	<50	<250	<0.5	<0.5	<0.5	<0.5	<0.5	A
	01/31/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<250**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<200**	**390**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**N**
224	07/26/99	<0.5	<0.5	<0.5	<0.5	<50	640	<0.5	<0.5	<0.5	<0.5	<0.5	
239	07/26/99	55,000	85.0	1,500	190	30,000	--	<0.5	<0.5	<0.5	<0.5	5.30	
	10/26/99	23,000	53	1,500	103.2	28,000	10,000	<0.5	<0.5	--	<0.5	--	
	02/10/00	40,000	48	1,900	52	44,000	21,000	<0.5	1.0	<0.5	<0.5	14.0	
	04/28/00	25,000	540	2,000	710	36,000	12,500	<5.0	<5.0	<5.0	<5.0	<5.0	
	08/04/00	25,000	220	1,900	920	45,000	32,500	<0.5	0.6	<0.5	<0.5	<0.5	
	10/24/00	24,000	100	1,500	390	50,000	50,000	<0.5	<0.5	<0.5	<0.5	<5.0	
	01/31/01	**23,000**	**84**	**1,900**	**200**	**52,000**	**112,000**	**<0.5**	**0.9**	**<0.5**	**<0.5**	**<0.5**	
	04/26/01	**23,900**	**113**	**1,990**	**590**	**298,000**	**143,000**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<25**	
241	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250	--	--	--	--	<0.5	

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes
249	07/22/99	<0.5	<0.5	<0.5	<0.5	<50	<200	<0.5	<0.5	<0.5	<0.5	<0.5	

Notes:

a. Non-diesel peak reported.
b. No diesel pattern detected; result due to high gasoline concentration.
c. Bromodichloromethane detected, 0.84 µg/L.
d. 8 other volatiles detected by 8260.
e. cis-1,2-DCE detected, 0.7 µg/L.
f. cis-1,2-DCE detected, 0.8 µg/L.
g. Values for benzene and ethylbenzene are estimated.
h. 1,1-DCE detected, 0.9 µg/L.
i. 1,1-DCE detected, 1.6 µg/L.
j. 1,1-DCE detected, 1.4 µg/L.
k. 1,1-Dichloroethene detected at 2.3 µg/L.
l. cis-1,2-Dichloroethene detected at 2.3 µg/L.
m. Methylene chloride detected at 7.9 µg/L.
n. Methylene chloride detected at 6.2 µg/L.
o. Methylene chloride detected at 2.5 µg/L.
p. Methylene chloride detected at 1.4 µg/L.
q. 1,1-Dichloroethene detected at 3.1 µg/L.
r. Methylene chloride detected at 0.8 µg/L.
s. 1,1-Dichloroethene detected at 9.6 µg/L.
t. 1,1-Dichloroethene detected at 4.2 µg/L.
u. 1,1-Dichloroethene detected at 5.2 µg/L.
v. 1,1-Dichloroethene detected at 6.0 µg/L.
w. 1,1-Dichloroethene detected at 2.6 µg/L.
x. Chloroethane detected at 6.0 µg/L.
y. Chloroethane detected at 5.3 µg/L.
z. Methylene chloride detected at 2.3 µg/L.
A. Chlorobenzene detected at 0.9 µg/L.
B. 1,1-Dichloroethene detected at 3.5 µg/L.
C. 1,1-Dichloroethene detected at 14 µg/L.
D. 1,1-Dichloroethene detected at 6.5 µg/L.
E. 1,1-Dichloroethene detected at 13 µg/L.
F. Chloroethane detected at 2.8 µg/L.

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–2001

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH-g	TPH-d	1,1-DCA	1,2-DCA	1,1,1-TCA	TCE	MTBE	Notes

G. Methylene chloride detected at 1.7 µg/L.
H. Chloroethane detected at 1.7 µg/L.
I. Methylene chloride detected at 0.9 µg/L.
J. Chloroethane detected at 2.4 µg/L.
K. Methylene chloride detected at 0.6 µg/L.
L. 1,1-Dichloroethene detected at 6.0 µg/L.
M. 1,1-Dichloroethene detected at 12 µg/L.
N. 1,2-Dichlorobenzene detected at 0.5 µg/L.
O. Chloroethane detected at 4.6 µg/L.
P. Chloroethane detected at 3.0 µg/L.
Q. Chloroethane detected at 1.7 µg/L; methylene chloride detected at 1.1 µg/L.
R. Chloroethane detected at 1.5 µg/L.
S. Dichlorodifluoromethane detected at 0.8 µg/L.

ND	Not detected
--	Not analyzed or not sampled.
µg/L	Micrograms per liter.
TPH-g	Total Petroleum Hydrocarbons as gasoline.
TPH-d	Total Petroleum Hydrocarbons as diesel.
1,1-DCA	1,1-Dichloroethane.
1,2-DCA	1,2-Dichloroethane.
1,1-DCE	1,1-Dichloroethene.
1,1,1-TCA	1,1,1-Trichloroethane.
c 1,2-DCE	cis 1,2-Dichloroethylene.
TCE	Trichloroethene.
MTBE	Methyl t-butyl ether.