ETIC
Engineering, Inc.

23 July 1999

Lawrence Seto
Alameda County Health Agency
Division of Environmental Protection
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

RE: Quarterly Monitoring Report for the Nestlé Oakland Facility at 1310 14th Street, Oakland, California

Dear Mr. Seto:

Attached is the First and Second Quarters 1999 Monitoring Report for the above-referenced site. Per our agreement regarding my conversation with you in September 1998, Nestlé will be submitting quarterly monitoring results twice per year.

If you have any questions I can be reached at (925) 977-7914.

Sincerely,

Douglas Oram/dh

Douglas Oram
Project Manager

DEO/dh Q2-499

Enclosure

cc: Binayak Acharya, Nestlé USA, Inc.

ENVIRONMENTAL PROTECTION
99 JUL 27 PM 3:34

ETIC
Engineering, Inc.

Groundwater Monitoring Report
First and Second Quarters 1999

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.
144 Mayhew Way
Walnut Creek, California 94596
(925) 977-7914

Douglas E. Oram, Ph.D.
Project Manager

22 July 99
Date

REGISTERED PROFESSIONAL ENGINEER
MATTHEW W. DERBY
No. C055475
Exp. 12-31-00
CIVIL
STATE OF CALIFORNIA

Matthew W. Derby, P.E. #C055475
Senior Engineer

23 July 99
Date

July 1999

CONTENTS

SITE CONTACTS

Site Address:	1310 14th Street Oakland, California
Nestle USA, Inc. Contact:	Binayak Acharya Nestlé USA, Inc. 800 North Brand Boulevard Glendale, California 91203 (818) 549-5948
Consultant to Nestle USA, Inc.:	ETIC Engineering, Inc. 144 Mayhew Way Walnut Creek, California 94596 (925) 977-7914
ETIC Project Manager:	Douglas E. Oram
Regulatory Oversight:	Lawrence Seto Alameda County Health Agency Division of Environmental Protection Department of Environmental Health 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 (510) 567-6700

1. INTRODUCTION

Nestlé USA, Inc. (Nestlé) has retained ETIC Engineering, Inc. (ETIC) to provide environmental services for the Nestlé facility at 1310 14th Street, Oakland, California (Figure 1).

This report presents the results for quarterly sampling for the first and second quarters of 1999, conducted on 5 February and 7 April 1999, and the results for well gauging and remediation system monitoring.

As discussed with Tom Peacock of the Alameda County Health Agency on 8 December 1998, the wells to be monitored would be changed in the upcoming quarters, in order to determine which wells can be destroyed. During the first quarter of 1999, 21 wells (MW-2, MW-3, MW-5, MW-6, MW-11 through MW-15, MW-25 through MW-30, MW-32, MW-?, V-46, 81, 94, and 210) were gauged for water levels, and 15 wells (MW-5, MW-11 through MW-13, MW-15, MW-25 through MW-29, MW-?, V-46, 81, 94, and 210) were sampled.

During the second quarter 1999 monitoring event, 9 wells (MW-25, MW-26, MW-28 through MW-30, MW-33, PR-76, V-24, and 241) were gauged and sampled.

Additional wells were gauged for NAPL as discussed in Section 2.1 below.

During the fourth quarter of 1997 and first quarter of 1998, a multiphase extraction (MPE) remediation system was installed. The MPE system began operation in August 1997, and was upgraded in June through September 1998. Operation of the MPE system is ongoing. The focus of the remedial effort is the recovery of non-aqueous phase liquid (NAPL). Remediation system monitoring results are summarized in Section 4.

2. FIELD PROCEDURES

2.1 NAPL GAUGING

A total of 65 wells were gauged from early January to early May 1999 to determine the presence and thickness of NAPL, using an interface probe. The set of wells used to monitor the location of NAPL in the subsurface will vary as remediation progresses, but in general 40 or more wells are gauged each quarter.

2.2 PURGING AND SAMPLING OF GROUNDWATER

After depths to groundwater were measured in wells on 5 February and 7 April 1999, each well to be sampled was purged, using a dedicated PVC pipe attached to a vacuum truck. Approximately 3 well casing volumes of water were removed from each well. The temperature, pH, and electrical conductance of the purged water were recorded at approximately each well casing volume as each well was purged. When the parameters were stable (less than 10 percent change from the previous reading for temperature and electrical conductance, and less than 0.1 pH unit change for pH), purging was stopped and groundwater samples were collected. The samples were collected from each well with factory-cleaned disposable polyethylene bailers and poured into 40-mL glass VOA vials and placed in an ice-filled cooler. A laboratory-prepared trip blank was stored and transported in the cooler with the samples. All samples were handled and transported under chain of custody.

The samples were submitted to the Nestlé Quality Assurance Laboratory, where they were analyzed for Total Petroleum Hydrocarbons as gasoline (TPH-g) and as diesel (TPH-d) by the California DOHS method described in the October 1989 LUFT Field Manual, and for benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl t-butyl ether (MTBE) by EPA Method 8020. In addition, selected samples were analyzed for halogenated volatile organic compounds (HVOCs) by EPA Method 8010.

3. SUMMARY OF RESULTS

3.1 NAPL GAUGING AND MONITORING

NAPL monitoring data for a representative number of wells monitored since November 1993 are summarized in Table 1. Of the 65 wells monitored from 7 January to 7 May 1999, 49 contained no detectable NAPL, 15 contained between 0.01 and 1.0 feet of NAPL, and 1 contained >1.0 feet of NAPL. The spatial distribution of these wells containing the different thicknesses of NAPL is shown in Figure 2.

Gauging results indicate that the MPE system is effective and has decreased the amount of NAPL in the subsurface. The results for some of the wells that have historically contained NAPL are summarized below.

	Maximum NAPL Thickness (feet)					
Well	February 1998	April 1998	August 1998	November 1998	February 1999	May 1999
PR-21	4.28	0.03	<0.01	Dry	<0.01	<0.01
PR-22	4.54	<0.01	0.20	<0.01	<0.01	<0.01
PR-26	3.39	<0.01	0.04	<0.01	<0.01	<0.01
PR-34	3.18	<0.01	0.17	<0.01	<0.01	<0.01
PR-48	1.30	0.01	0.71	0.04	<0.01	<0.01
PR-58	4.25	4.25	--	0.03	0.02	0.15
PR-64	2.93	4.52	--	<0.01	0.28	0.06
MW-23	0.51	0.37	1.00	<0.01	0.01	0.63
MW-24	0.25	1.23	--	0.25	0.35	1.26

-- not monitored.

Well MW24 continues to recover thicknesses of NAPL. Remedial efforts are being concentrated in this area.

3.2 DEPTH TO GROUNDWATER IN MONITORING WELLS

The depth to groundwater in monitoring wells on 5 February 1999 ranged from 7.19 (MW-28) to 9.20 (MW-12) feet, and groundwater elevations ranged from 4.59 (MW-29) to 6.26 (MW-28) feet above mean sea level (Table 2). A groundwater elevation contour map for 5 February 1999 is shown in Figure 3. The direction of groundwater flow in February was toward the north-northwest, at a gradient of approximately 0.003 feet per foot. Field documentation is provided in Appendix A.

The depth to groundwater in monitoring wells on 7 April 1999 ranged from 5.66 (MW-29) to 7.63 (MW-30) feet, and groundwater elevations ranged from 6.91 (MW-30) to 7.04 (MW-28) feet above mean sea level (Table 2). A different set of wells was monitored during April. Because of the large number of wells at the site, many have not been surveyed. This was the case for the onsite wells monitored during April. Therefore, the groundwater flow direction could not be determined for this period. Groundwater elevations are shown in Figure 4. Field documentation is provided in Appendix A.

3.3 ANALYSIS OF SAMPLES

The analytical results for the groundwater samples collected on 5 February and 7 April 1999 are presented in Table 3, along with previous results. The distribution of BTEX, TPH-g, TPH-d, and HVOCs in the groundwater samples is shown in Figures 5 and 6. Laboratory analytical reports and chain-of-custody documentation are included in Appendix B.

4. REMEDIATION SYSTEM MONITORING

The monitoring results through 19 May 1999 for the MPE water and vapor treatment systems are summarized in Tables 4 and 5, respectively. An estimated 611 pounds of hydrocarbons has been removed from extracted water, and an estimated 538 pounds of NAPL has been removed by the oil/water separator (Table 4). The estimated amount of NAPL fluctuates due to accumulation of water in the product storage tank. An estimated 8,647 pounds of hydrocarbons has been removed from extracted soil vapor (Table 5). Figure 7 graphically depicts the number of pounds of hydrocarbons removed from groundwater, vapor effluent, and as free product. An estimated combined total of 9,796 pounds of hydrocarbons has been removed and treated since system installation.

The groundwater portion of the MPE system consists of two 200-pound liquid phase carbon vessels in parallel, followed by two 200-pound liquid phase carbon vessels in parallel, followed by two 1,000-pound liquid phase carbon vessels in series. The vapor portion of the MPE system consists of air/water separators and a thermal oxidizer which burns extracted soil vapors and vapor-phase hydrocarbons stripped from groundwater and recovered product.

The MPE system operated intermittently during the reporting period. The MPE system was operated in a continuous mode and in a cycled mode as site conditions indicated. The MPE system is periodically operated in a cycled mode to allow subsurface conditions to equilibrate after vapor concentrations and free product recovery decline. The MPE system was shut down from 15 February until 4 March 1999 while Nestlé changed consultants to ETIC. During operation, the MPE system is adjusted to extract from different wells, focusing on those which have measurable NAPL.

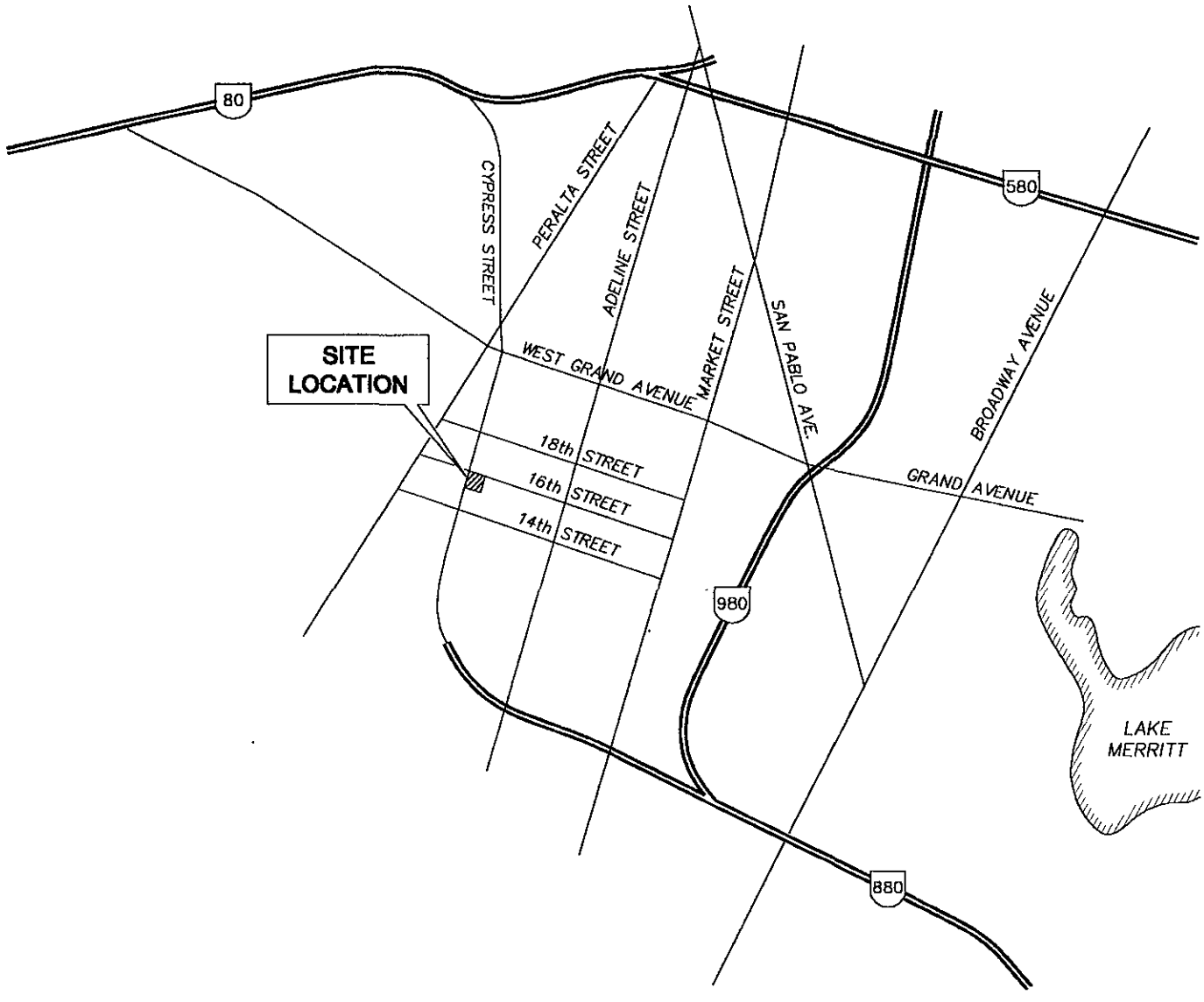
Wells at the site will continue to be gauged for NAPL, and the MPE system will be adjusted to maximize NAPL removal from the subsurface.

5. WORK PROPOSED FOR THE NEXT TWO QUARTERS

During the third and fourth quarters of 1999, groundwater in selected wells will be sampled and analyzed for BTEX and TPH-g. Selected samples will also be analyzed for TPH-d and HVOCs. As discussed with Tom Peacock of the Alameda County Health Agency on 8 December 1998, the wells to be monitored will be changed each quarter to determine which wells can be destroyed.

The MPE system will be monitored and adjusted to concentrate on extraction from wells containing NAPL. The MPE system will be turned off periodically to allow the subsurface conditions to equilibrate so that NAPL recharge can be evaluated and the wells gauged for NAPL.

Figures



N

Not To Scale

FILENAME LOCATION.DWG 05/30/99

ETIC Engineering, Inc.

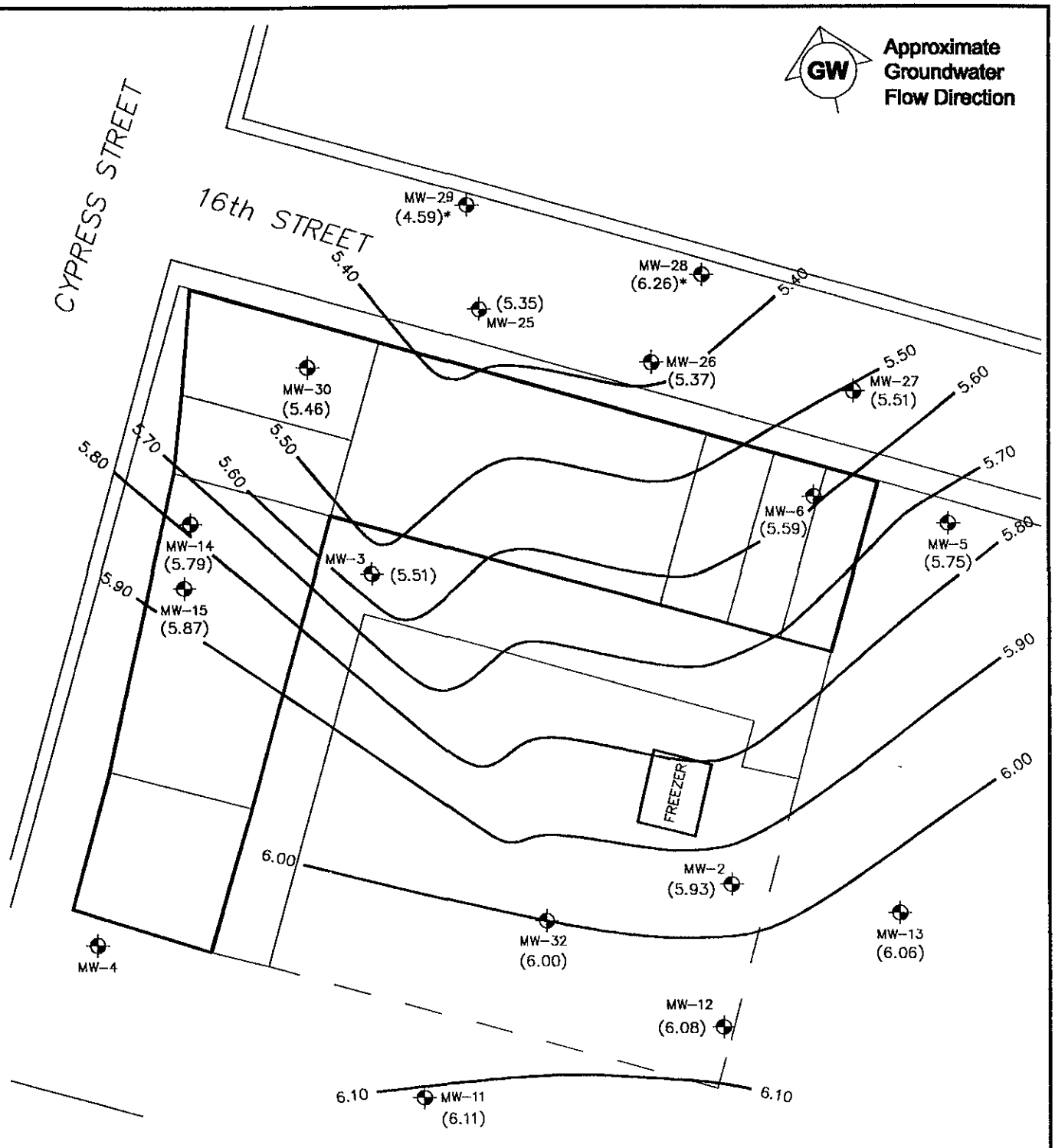
SITE LOCATION MAP
NESTLE OAKLAND FACILTY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE: **1**

ETIC Engineering, Inc.

SITE PLAN SHOWING DISTRIBUTION OF NAPL, JANUARY-MAY 1999
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE: 2



LEGEND:

- MONITORING WELL LOCATION
- (6.11) GROUNDWATER ELEVATION
- GROUNDWATER ELEVATION CONTOUR (dashed where inferred)
- * NOT USED TO DETERMINE GROUNDWATER GRADIENT

N

0 25 50

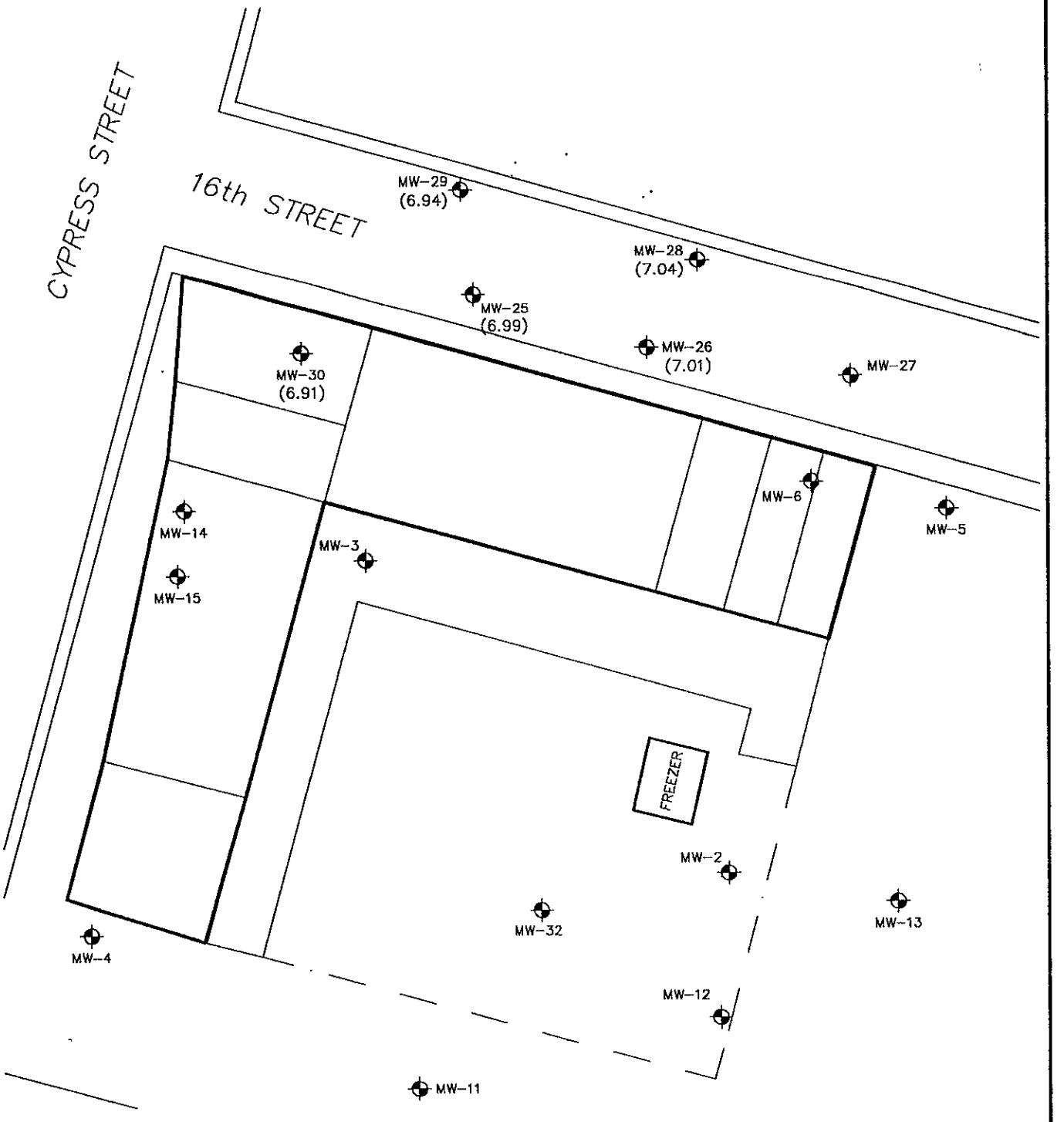
Scale (feet)

ETIC Engineering, Inc.

GROUNDWATER ELEVATIONS IN WELLS SAMPLED FOR DISSOLVED HYDROCARBONS NESTLE OAKLAND FACILITY, 1310 14th STREET, OAKLAND, CALIFORNIA 5 FEBRUARY 1999

FIGURE: **3**

FILENAME: CONTOURS.DWG 2/23/99



LEGEND:

MONITORING WELL LOCATION

(6.91) GROUNDWATER ELEVATION

N

0 25 50

Scale (feet)

ETIC Engineering, Inc.

GROUNDWATER ELEVATIONS IN WELLS SAMPLED FOR DISSOLVED HYDROCARBONS NESTLE OAKLAND FACILITY, 1310 14th STREET, OAKLAND, CALIFORNIA 7 APRIL 1999

FIGURE: 4

FILENAME: CONTOURS.DWG 05/30/99

ETIC Engineering, Inc.

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS, 5 FEBRUARY 1999
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE: **5**

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	4.5
1,1-DCA	ND
1,2-DCA	62
1,1-DCE	ND

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	80
TPH-d	ND
MTBE	25
1,1-DCA	15
1,2-DCA	54
1,1-DCE	ND

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	4.9
1,1-DCA	30
1,2-DCA	38
1,1-DCE	1.4

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	27
1,1-DCA	27
1,2-DCA	72
1,1-DCE	1.6

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

Benzene	ND
Toluene	ND
Ethylbenzene	ND
Xylenes	ND
TPH-g	ND
TPH-d	ND
MTBE	ND

LEGEND:

- GROUNDWATER MONITORING AND VAPOR EXTRACTION WELLS
- WELL OF UNKNOWN CONSTRUCTION
- REMEDIATION SYSTEM VACUUM PIPING

TPH-g	Total Petroleum Hydrocarbons as gasoline
TPH-d	Total Petroleum Hydrocarbons as diesel
MTBE	Methyl t-butyl ether
1,1-DCA	1,1-Dichloroethane
1,2-DCA	1,2-Dichloroethane
1,1-DCE	1,1-Dichloroethene
HVOCs	Halogenated Volatile Organic Compounds
ND	Not Detected

NOTES:

1. CONCENTRATIONS IN MICROGRAMS PER LITER (ug/L)

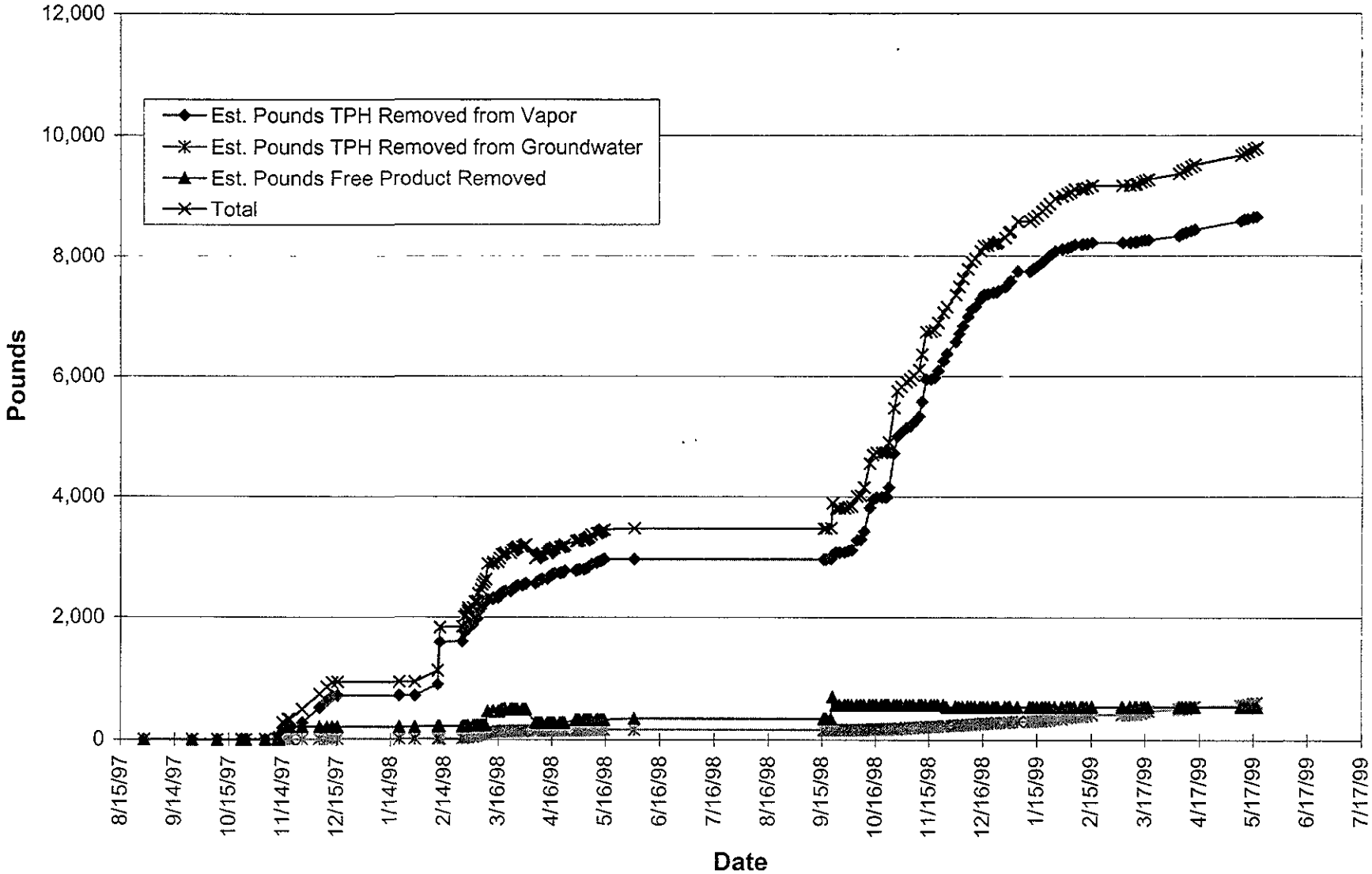
Scale (feet): 0, 15, 30

ETIC Engineering, Inc.

SITE PLAN SHOWING GROUNDWATER ANALYTICAL RESULTS, 7 APRIL 1999
NESTLE OAKLAND FACILITY
1310 14th STREET, OAKLAND, CALIFORNIA

FIGURE 6

Figure 7: Total Pounds of Hydrocarbons Removed from Groundwater and Vapor Effluents and as Free Product Nestle' Facility, 1310 14th Street, Oakland, California



Tables

TABLE 1 PRODUCT THICKNESS (ft), FORMER CARNATION DAIRY FACILITY, OAKLAND, CALIFORNIA, NOVEMBER 1993 - MAY 1999

Well	11/4/93	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	12/6-28/95	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
MW-7	0.79	1.14	2.82	0.26	0.01	0.04	<0.01	<0.01	--	0.21	--	<0.01	--	0 02	0.20	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-8	0.47	0.44	0.30	0.31	0.31	0.26	0.08	0.09	0.23	0.24	0 24	<0.01	--	0.03	0.04	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-22	1.83	1.54	>3.0	1 14	0.19	0.03	<0.01	<0.01	<0.01	0.32	0.30	<0.01	--	0.01	0.04	0.22	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-23	1.21	0.07	1.40	1.79	0.68	0.41	<0.01	0.31	0.44	0.71	0.30	0.19	0.15	1.00	0.24	0.63	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-24	1.77	12.10	>3.0	0 97	0.39	<0.01	<0.01	<0.01	--	1.41	<0.01	<0.01	--	2.46	1.45	1.15	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-0	--	--	--	--	--	--	--	--	2.72	--	<0.01	3.92	0.07	0.18	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.38	1.55	1 45	0.3	0.39	--	<0 01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0 01	<0.01	<0.01	<0.01	<0.01	<0.01
E-5	--	--	--	--	--	--	--	--	--	--	1.50	0.27	0.03	0.10	0.01	0.04	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
E-8	--	--	--	--	--	--	--	--	0.10	--	0.42	0.19	0.02	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-12	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-20	0.91	1.15	3.41	1.45	0.88	1.04	0.14	0.16	2 54	1.12	<0.01	3.5	2.65	3.50	0.69	0.47	0.36	0.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-21	0.63	--	2 76	1.39	0.42	2.01	4.11	2.42	1 93	0.70	0.60	2.99	0.77	1.50	0.86	0.54	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-22	0.98	1.43	>3.0	0.90	0.47	0.04	0.60	0.71	0.68	0.71	0.23	1.57	0.94	1.20	0.47	0.42	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-23	0.67	0.36	1.06	0.38	0.17	0.06	0.34	0.06	0.08	0.12	0.11	<0.01	--	<0.01	0.09	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-24	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0 01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-26	0.6	0.54	2.05	0.39	0.17	<0.01	<0.01	<0 01	--	0.13	0.12	0.27	<0.01	0.01	0.07	0.03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-27	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-29	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-30	--	--	--	2.81	1.21	1 97	<0.01	<0 01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-32	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-34	0 66	1.17	2.81	1.07	0.37	2.45	4.06	3.54	2.30	1 03	0.58	5.10	1.22	1.95	1.14	0.48	0.33	0.23	0.01	<0.01	<0 01	0.26	0.59	0.25	<0.01	<0.01	0.75	0.67	0.98	1.15	1.23	0.65	1.31	0.8	1.06	0.7	0.66	0.64	0.75
PR-35	0.62	1.26	>3.0	1.7	0.12	0.13	0.85	0 91	0.84	0.73	0.4	0.20	0.11	0.22	0 33	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-36	-	1.13	1.43	1.13	0.37	0.19	0.15	0 23	0.22	Dry	Dry	0.20	0.05	0.01	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-37	0.41	1.29	2.35	0 96	0.14	0.22	0.83	0 82	0.58	0.58	0.18	1.14	0.32	0.20	0.19	0.11	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-41	0.59	0.53	0.42	0.13	0.43	0.03	<0.01	<0.01	--	Dry	Dry	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-44	0.24	0.22	0.19	<0.01	<0.01	<0.01	<0 01	<0.01	--	Dry	-	<0.01	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-45	0.17	5.27	0 10	<0.01	<0.01	<0 01	<0 01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-47	0.75	0.41	sheen	<0.01	<0.01	0.01	<0 01	<0.01	--	0.08	0 08	<0.01	--	<0.01	0.08	0.02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-48	1.12	0.20	>3.0	0.83	0 07	1.43	0.64	0.65	0.94	0.50	0 54	0.11	0.06	2.06	1.36	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-49	--	3.24	<0.01	<0.01	<0.01	<0.01	<0.01	<0 01	--	<0.01	<0.01	<0.01	--	Dry	Dry	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-50	1 08	1.58	0.89	<0.01	<0.01	<0 01	<0.01	<0 01	<0 01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-51	--	6.57	>3.0	<0.01	0.72	2.02	<0.01	<0 01	<0.01	<0.01	<0.01	Dry	--	Dry	Dry	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-52	1.01	5 09	1.16	0.45	0.05	0.03	<0.01	<0 01	<0.01	<0.01	-	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-53	1.15	3 01	>3 0	0.61	0.49	1 52	<0.01	1 55	1.47	1.08	0.17	0.90	0 27	1.01	0.81	0.38	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-54	0.97	0.99	1.20	<0.01	0.08	0 01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	<0.01	<0 01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-55	1.48	0.07	1.31	0 87	<0.01	0.01	<0.01	Dry	Dry	Dry	-	Dry	--	Dry	Dry	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-56	0.90	1.30	--	0 89	0.15	1.48	<0.01	<0.01	0.01	<0 01	-	<0.01	--	<0.01	<0.01	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-57	--	6.40	--	<0 01	<0.01	<0.01	<0.01	<0.01	--	<0.01	-	<0.01	--	<0.01	<0 01	<0 01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-58	0.96	0.85	--	1 48	0.89	2.15	1.41	1.34	2 40	1 18	0.57	2.67	1.25	2.79	1.47	1 01	--	0.52	0.23	0.11	<0.01	<0.01	<0.01	<0.01	0.2	1.04	2.3	2.4	2.21	2.45	--	2.45	2.14	1 8	2.06	1.79	1.64	1.49	1.44
PR-60	--	<0.01	--	<0.01	<0 01	<0.01	<0.01	<0.01	0.01	<0.01	<0 01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-61	0.25	0.39	0.35	1.03	<0.01	0.01	<0.01	<0.01	1.30	<0.01	<0.01	1.48	0.45	1.96	0.93	0.38	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0 45	0.34	0.6	0.55	0.77	0.02	0.17	0.33	0.42	0.27	0.4	0.34	0.32
PR-62	0.04	--	0.07	0.09	<0.01	<0.01	<0.01	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-64	1 49	0.11	>3.0	--	1 06	2.15	1.03	1.17	2.12	1.15	0.58	3.08	0 4	3.15	1 01	--	0.82	0.69	0.68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-65	0.04	0 02	0.09	0.08	<0.01	<0 01	<0.01	<0 01	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-67	1.05	0.65	0.81	--	--	--	--	--	0.05	--	<0.01	<0.01	--	0.03	0 10	0.07	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-68	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-70	--	--	1.59	--	--	--	--	--	--	--	--	--	--	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	0 01	--	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-55	--	--	--	--	--	--	--	--	--	--	0.04	--	--	<0.01	<0 01	*	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-56	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-70	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	--	--	--	--	--	--	--	--	0.78	Dry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78A	--	--	--	--	--	--	--	--	0.01	--	<0.01	<0.01	--	<0 01	<0 01	<0.01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78B	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
V-80	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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- [illegible]
- Well inaccessible

Note: See second page of table for additional wells

TABLE 1 (extended) PRODUCT THICKNESS, FORMER CARNATION DAIRY FACILITY

Well	[illegible]	[illegible]	[illegible]	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
MW-3	-		-	--	--	<0.01	--	<0.01	--	--	<0.01a	--	--
MW-	0.03	0.0	0.01	--	<0.01	--	<0.01	0.01	--	<0.01	<0.01	0.01	<0.01
MW-8	0.01	0.01	0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	<0.01	<0.01	<0.01
MW-22	0.01	0.01	0.01	--	<0.01	--	<0.01	0.03	<0.01	<0.01	<0.01	<0.01	<0.01
MW-23	1.60	0.8[illegible]	0.88	--	0.37	--	0.38	1.0	<0.01	0.22	0.01	0.09	0.63
MW-24	1.56	0.28	0.26	--	1.23	--	2.28	--	0.25	0.26	0.35	0.17	1.26
E-0	0.01	0.02	0.03	--	0.03	--	0.03	--	<0.01	<0.01	0.01	0.01	<0.01
E-3	-			--	--	<0.01	--	--	--	--	--	--	--
E-5	0.24	0.01	0.0[illegible]	--	<0.01	--	<0.01	0.12	<0.01	<0.01	0.01	<0.01	<0.01
E-6		--	-	--	--	0.01	--	--	0.01	<0.01	<0.01	<0.01	<0.01
E-8	0.25	-	0.32	--	0.19	0.19	0.18	0.16	--	--	<0.01	<0.01	<0.01
PR-12	0.[illegible]		-	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01
PR-20	4.[illegible]	3.40	4.[illegible]	--	4.36	--	3.66	--	<0.01	<0.01	<0.01	<0.01	<0.01
PR-21	1.21	1.28	0.03	<0.01	0.03	--	0.1	<0.01	Dry	Dry	<0.01	<0.01	<0.01
PR-22	0.01	1.83	0.01	--	<0.01	--	<0.01	0.20	<0.01	<0.01	<0.01	<0.01	<0.01
PR-23	0.06	0.01	0.01	<0.01	0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01
PR-24	0.01			<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01
PR-25	--			--	--	<0.01	--	--	--	--	--	--	--
PR-26	0.11	3.39	0.09	<0.01	<0.01		<0.01	0.04	<0.01	--	<0.01	<0.01	<0.01
PR-27	0.01	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01
PR-28	--	-		--	--	<0.01	--	--	<0.01	--	--	--	--
PR-29	0.01	--		<0.01	--	<0.01	--	<0.01	<0.01	--	<0.01	--	<0.01
PR-30	Dry		0.01	<0.01	<0.01	--	<0.01	Dry	--	--	Dry	--	Dry
PR-32	0.01	0.01	0.02	--	<0.01	--	<0.01	--	--	<0.01	<0.01	<0.01	<0.01
PR-33	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
PR-34	0.93	3.18	0.05	--	<0.01	--	0.04	0.17	<0.01	<0.01	<0.01	<0.01	<0.01
PR-35	0.98	0.71	0.01	--	<0.01	--	<0.01	0.02	<0.01	<0.01	<0.01	<0.01	<0.01
PR-36	Dry	0.53	0.30	--	0.10	--	0.03	0.09	Dry	Dry	<0.01	<0.01	<0.01
PR-37	0.31	0.01	0.06	--	<0.01	--	0.13	0.07	<0.01	<0.01	<0.01	<0.01	<0.01
PR-38	--	--	-	--	--	<0.01	--	--	--	--	--	--	--
PR-41	Dry	--	0.01	--	<0.01	<0.01	<0.01	Dry	--	--	<0.01	--	Dry
PR-42	--		-	--	--	<0.01	--	--	--	--	--	--	--
PR-43	-		--	--	--	<0.01	--	--	--	--	--	--	--
PR-44	Dry	--		--	--	<0.01	--	--	--	--	<0.01	--	--
PR-45	1.01	--	-	--	--	<0.01	--	--	--	--	<0.01	--	--
PR-46				--	--	<0.01	--	--	--	--	--	--	--
PR-47	0.03	0.01	0.01	--	<0.01	--	<0.01	0.06	<0.01	<0.01	<0.01	0.02	sheen d
PR-48		1.30	0.01	<0.01	0.01	--	0.03	0.71	0.04	<0.01	<0.01	0.01	<0.01
PR-49	0.01		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01
PR-50	0.01		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01
PR-51	Dry		0.17	<0.01	<0.01	Dry	<0.01	Dry	--	--	<0.01	Dry	Dry
PR-52	0.01	--	<0.01	--	<0.01	<0.01	<0.01	0.01	<0.01	--	<0.01	<0.01	<0.01
PR-53	0.02	0.01	<0.01	--	0.02	--	0.30	1.31	<0.01	<0.01	<0.01	<0.01	<0.01
PR-54	0.01		0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01	--	<0.01
PR-55	Dry	-	0.02	--	<0.01	--	<0.01	--	Dry	--	<0.01	Dry	Dry
PR-56	Dry		0.01	--	<0.01	--	<0.01	--	Dry	--	<0.01	--	<0.01
PR-57	0.01	--	<0.01	--	<0.01	<0.01	<0.01	--	--	--	<0.01	--	<0.01
PR-58	0.85	4.25	5.22	--	4.25	--	3.63	--	0.03	0.14	0.02	0.56	0.15
PR-60	Dry	-	-	--	--	--	--	--	<0.01	--	<0.01	--	<0.01
PR-61	0.49	0.55	1.11	--	1.74	--	2.46	--	0.80	0.06	0.05	0.09	0.21
PR-62	<0.01	--	-	--	--	--	--	--	--	--	<0.01	--	--
PR-64	1.42	2.93	4.61	--	4.52	--	3.75	--	<0.01	0.16	0.28	0.47	0.06
PR-65	Dry		0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01
PR-67	0.01		0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01
PR-68	<0.01	--	0.01	--	<0.01	--	<0.01	--	--	--	<0.01	--	<0.01
PR-70	-	-	-	--	--	--	--	--	--	--	--	--	--
V-2	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
V-3	-	-	--	--	--	Dry	--	--	--	--	--	--	--
V-4	--		-	--	--	Dry	--	--	--	--	--	--	--
V-5	--	--	--	--	--	Dry	--	--	--	--	--	--	--
V-7	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
V-8	Dry	--	0.01	--	--	<0.01	--	--	--	--	<0.01	--	--
V-11	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
V-12		-		--	--	<0.01	--	--	--	--	--	--	--
V-21	Dry	--	<0.01	--	<0.01	<0.01	<0.01	--	--	--	Dry	--	<0.01
V-51	--	-	--	--	--	--	--	--	<0.01	--	--	--	--
V-55	0.01	--	0.05	--	0.01	--	0.14	--	0.09	--	<0.01	<0.01	0.41d
V-56	0.66	--	--	--	0.03	--	0.06	--	Dry[c]	--	<0.01	<0.01	sheen d
V-64	--	--	--	--	--	<0.01	--	--	<0.01	--	--	--	--
V-66	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
V-70	Dry		0.01	<0.01	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01
V-71	Dry	-	-	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01
V-72	-	-	--	--	--	<0.01	--	--	--	--	--	--	--
V-73	--	--	--	--	--	<0.01	--	--	--	--	--	--	--
V-74	-	-	-	--	--	<0.01	--	--	--	--	--	--	--
V-[illegible]	0.01	--	--	0.19	--	--	--	0.49	Dry	--	0.06	0.02	0.11
V-78A	0.01	--	0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01
V-78B	0.01	-	0.01	--	<0.01	<0.01	<0.01	<0.01	--	--	<0.01	--	<0.01
V-79			--	--	--	<0.01	--	--	--	--	--	--	--
V-80	--	--	--	<0.01	--	<0.01	--	<0.01	--	--	<0.01	--	<0.01
V-84	--	-	--	--	--	<0.01	--	--	--	--	--	--	--
V-85			-	--	--	<0.01	--	--	--	--	--	--	--
V-89	--	-		--	--	--	--	--	Dry	--	--	--	--
V-90	Dry	--	--b	--	<0.01		<0.01	--	Dry	--	<0.01	--	Dry
V-91	--	--		--	--	<0.01	--	--	--	--	--	--	<0.01
V-93	--	--	--	--	--	0.06	--	--	--	--	0.03	0.02	--
V-94	Dry		-	--	--	0.60	--	--	Dry	--	0.31	0.11	<0.01
233	--	--	-	--	--	<0.01	--	--	--	--	--	--	--
235	--			--	--	<0.01	--	--	--	--	--	--	--
239	--		-	--	--	--	--	--	<0.01	--	--	--	--
243	1.88	0.01	0.01	--	0.04	--	0.01	--	<0.01	<0.01	0.01	<0.01	<0.01
244	0.15	0.0	<0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	<0.01	<0.01
247	<0.01	0.04	0.01	--	<0.01	--	<0.01	--	<0.01	<0.01	<0.01	--	<0.01
252			--	--	--	--	--	--	<0.01	--	--	--	--
253	13	0.66	1.04	--	1.38	--	--	--	<0.01	<0.01	<0.01	<0.01	<0.01

-- Well not monitored

a Monitored on 2/8/99, b mud in well at 3.80 feet; c = well was dry, but probe showed oil on it; d = black, oily substance on probe.

TABLE 2 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–1999

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-1	02/24/94	16.49	--	10.41	--	6.08
	03/18/94		--	8.51	--	7.98
	06/02/94		--	10.83	--	5.66
MW-2	02/24/94	15.11	--	9.21	--	5.90
	03/18/94		--	7.47	--	7.64
	06/02/94		--	9.65	--	5.46
	08/31/94		--	10.49	--	4.62
	12/22/94		--	8.74	--	6.37
	03/13/95		--	6.87	--	8.24
	06/09/95		--	8.47	--	6.64
	09/22/95		--	9.42	--	5.69
	12/12/95		--	10.23	--	4.88
	12/18/95		--	9.87	--	5.24
	03/12/96		--	6.70	--	8.41
	06/21/96		--	8.22	--	6.89
	08/29/96		--	9.59	--	5.52
	01/16/97		--	7.07	--	8.04
	04/15/97		--	8.21	--	6.90
	07/07/97		--	9.40	--	5.71
	10/27/97		--	10.25	--	4.86
	01/27/98		--	6.74	--	8.37
	04/22/98		--	6.37	--	8.74
	07/22/98		--	8.43	--	6.68
	10/21/98		--	9.74	--	5.37
	02/05/99		**--**	**9.18**	--	**5.93**
MW-3	02/24/94	14.30	--	8.47	--	5.83
	03/18/94		--	7.23	--	7.07
	06/02/94		--	8.93	--	5.37
	08/31/94		--	9.91	--	4.39
	12/22/94		--	8.14	--	6.16
	03/13/95		--	6.64	--	7.66
	06/09/95		--	7.82	--	6.48
	09/22/95		--	9.08	--	5.22
	12/06/95		--	9.97	--	4.33
	12/12/95		--	9.53	--	4.77
	12/18/95		--	9.21	--	5.09
	03/12/96		--	6.31	--	7.99
	06/21/96		--	7.78	--	6.52
	08/29/96		--	9.05	--	5.25
	01/16/97		--	7.12	--	7.18
	04/15/97		--	7.78	--	6.52
	07/07/97		--	8.82	--	5.48
	10/27/97		--	9.60	--	4.70
	01/27/98		--	6.40	--	7.90
	04/22/98		--	6.15	--	8.15
	07/22/98		--	7.92	--	6.38

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-3	10/21/98	14.30	--	9.19	--	5.11
	02/05/99		**--**	**8.79**	**--**	**5.51**
MW-4	02/24/94	14.42	--	8.09	--	6.33
	03/18/94		--	7.00	--	7.42
	12/18/95		--	dry		--
	03/12/96		--	6.45	--	7.97
MW-5	02/24/94	14.41	--	8.08	--	6.33
	03/18/94		--	7.14	--	7.27
	06/02/94		--	9.09	--	5.32
	08/31/94		--	9.95	--	4.46
	12/22/94		--	8.22	--	6.19
	12/12/95		--	9.60	--	4.81
	03/12/96		--	6.46	--	7.95
	02/05/99		**--**	**8.66**	**--**	**5.75**
MW-6	02/24/94	14.12	--	8.34	--	5.78
	03/18/94		--	7.04	--	7.08
	06/02/94		--	8.88	--	5.24
	08/31/94		--	9.65	--	4.47
	12/22/94		--	7.99	--	6.13
	03/13/95		--	6.32	--	7.80
	06/09/95		--	8.53	--	5.59
	09/22/95		--	8.63	--	5.49
	12/12/95		--	9.36	--	4.76
	12/18/95		--	9.16	--	4.96
	03/12/96		--	6.03	--	8.09
	06/21/96		--	7.67	--	6.45
	08/29/96		--	8.93	--	5.19
	01/16/97		--	6.92	--	7.20
	04/15/97		--	7.65	--	6.47
	07/07/97		--	8.67	--	5.45
	10/27/97		--	9.43	--	4.69
	04/22/98		--	5.91	--	8.21
	07/22/98		--	7.82	--	6.30
	10/21/98		--	9.02	--	5.10
	02/05/99		**--**	**8.53**	**--**	**5.59**
MW-7	02/24/94	14.29	8.64	9.78	1.14	4.51
	03/18/94		6.56	9.38	2.82	4.91
	06/02/94		9.12	9.38	0.26	4.91
	08/31/94		9.87	9.88	0.01	4.41
	12/22/94		8.29	8.33	0.04	5.96
	03/13/95		--	6.72	--	7.57
	06/09/95		--	8.79	--	5.50
	09/22/95		9.30	9.51	0.21	4.78

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-8	02/24/94	14.20	8.55	8.99	0.44	5.21
	03/18/94		7.34	7.64	0.30	6.56
	06/02/94		8.93	9.24	0.31	4.96
	08/31/94		9.82	10.13	0.31	4.07
	12/22/94		8.21	8.47	0.26	5.73
	03/13/95		6.77	6.85	0.08	7.35
	06/09/95		8.81	8.90	0.09	5.30
	07/27/95		8.32	8.55	0.23	5.65
	09/22/95		9.29	9.53	0.24	4.67
	12/06/95		9.94	10.18	0.24	4.02
	12/18/95		9.16	9.36	0.20	4.84
	12/18/95		--	9.62	--	4.58
	12/18/95		--	9.25	--	4.95
	12/19/95		9.21	9.30	0.09	4.90
	12/19/95		9.34	9.35	0.01	4.85
	12/19/95		9.25	9.28	0.03	4.92
	12/28/95		9.22	9.27	0.05	4.93
MW-9	06/02/94	14.96	--	9.46	--	5.50
MW-10	02/24/94	15.73	--	9.59	--	6.14
	03/18/94		--	--	--	--
	06/02/94		--	10.17	--	5.56
MW-11	03/18/94	14.55	--	6.95	--	7.60
	06/02/94		--	8.99	--	5.56
	08/31/94		--	9.80	--	4.75
	12/22/94		--	8.15	--	6.40
	12/18/95		--	9.29	--	5.26
	03/12/96		--	5.95	--	8.60
	02/05/99		**--**	**8.44**	**--**	**6.11**
MW-12	03/18/94	15.28	--	7.62	--	7.66
	12/18/95		--	10.03	--	5.25
	07/07/97		--	9.48	--	5.80
	02/05/99		**--**	**9.20**	**--**	**6.08**
MW-13	02/24/94	14.85	--	8.94	--	5.91
	03/18/94		--	8.62	--	6.23
	06/02/94		--	9.34	--	5.51
	08/31/94		--	10.15	--	4.70
	12/22/94		--	8.45	--	6.40
	12/12/95		--	9.94	--	4.91
	12/18/95		--	9.60	--	5.25
	03/12/96		--	6.40	--	8.45
	02/05/99		**--**	**8.79**	**--**	**6.06**
MW-14	02/24/94	14.10	--	dry	--	--

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-14	03/18/94	14.10	--	dry	--	--
	12/06/95		--	dry	--	--
	02/05/99		**--**	**8.31**	**--**	**5.79**
MW-15	12/06/95	14.17	--	dry	--	--
	02/05/99		**--**	**8.30**	**--**	**5.87**
MW-16	12/06/95	14.11	--	dry	--	--
MW-22	02/24/94	14.44	8.59	10.13	1.54	4.31
	03/18/94		6.98	--	>3.0	--
	06/02/94		9.02	10.16	1.14	4.28
	08/31/94		9.97	10.16	0.19	4.28
	12/22/94		8.39	8.42	0.03	6.02
	03/13/95		--	5.92	--	8.52
	06/09/95		--	8.60	--	5.84
	07/27/95		--	8.49	--	5.95
	09/22/95		9.42	9.74	0.32	4.70
	12/06/95		10.08	10.38	0.30	4.06
	12/18/95		--	9.35	--	5.09
MW-23	02/24/94	14.48	8.87	8.94	0.07	5.54
	03/18/94		7.04	8.44	1.40	6.04
	06/02/94		8.21	10.00	1.79	4.48
	08/31/94		9.93	10.61	0.68	3.87
	12/22/94		8.32	8.73	0.41	5.75
	03/13/95		--	5.52	--	8.96
	06/09/95		8.24	8.55	0.31	5.93
	07/27/95		8.43	8.87	0.44	5.61
	09/22/95		9.35	10.06	0.71	4.42
	12/06/95		--	10.07	--	4.41
	12/18/95		9.40	9.70	0.30	4.78
	12/18/95		--	9.89	--	4.59
	12/18/95		9.46	9.49	0.03	4.99
	12/19/95		9.45	9.55	0.10	4.93
	12/19/95		--	9.88	--	4.60
	12/19/95		9.48	9.52	0.04	4.96
	12/28/95		9.40	9.52	0.12	4.96
MW-24	02/24/94	14.67	8.95	--	12.10	--
	03/18/94		7.45	--	>3.0	--
	06/02/94		9.11	10.08	0.97	4.59
	08/31/94		10.19	10.58	0.39	4.09
	12/22/94		--	8.55	--	6.12
	03/13/95		--	6.68	--	7.99
	06/09/95		--	9.54	--	5.13
	09/22/95		9.35	10.76	1.41	3.91

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-24	12/06/95	14.67	10.39	10.39	--	4.28
MW-25	02/24/94	12.86	--	7.36	--	5.50
	03/18/94		--	6.14	--	6.72
	06/02/94		--	7.93	--	4.93
	08/31/94		--	8.75	--	4.11
	12/22/94		--	7.01	--	5.85
	03/13/95		--	5.77	--	7.09
	06/09/95		--	6.75	--	6.11
	09/22/95		--	7.45	--	5.41
	12/12/95		--	8.18	--	4.68
	12/18/95		--	7.84	--	5.02
	03/12/96		--	5.38	--	7.48
	06/21/96		--	6.50	--	6.36
	08/29/96		--	7.72	--	5.14
	01/16/97		--	6.00	--	6.86
	04/15/97		--	6.44	--	6.42
	07/07/97		--	7.53	--	5.33
	10/27/97		--	8.34	--	4.52
	01/27/98		--	5.37	--	7.49
	04/22/98		--	5.02	--	7.84
	07/22/98		--	6.47	--	6.39
	10/21/98		--	7.86	--	5.00
	02/05/99		**--**	**7.51**	**--**	**5.35**
	04/07/99		**--**	**5.87**	**--**	**6.99**
MW-26	02/24/94	12.71	--	7.21	--	5.50
	03/18/94		--	5.83	--	6.88
	06/02/94		--	7.68	--	5.03
	08/31/94		--	8.47	--	4.24
	12/22/94		--	6.98	--	5.73
	03/13/95		--	5.25	--	7.46
	06/09/95		--	6.47	--	6.24
	09/22/95		--	7.23	--	5.48
	12/12/95		--	7.99	--	4.72
	12/18/95		--	7.69	--	5.02
	03/12/96		--	4.86	--	7.85
	06/21/96		--	6.30	--	6.41
	08/29/96		--	7.51	--	5.20
	01/16/97		--	5.70	--	7.01
	04/15/97		--	7.48	--	5.23
	07/07/97		--	7.38	--	5.33
	10/27/97		--	8.15	--	4.56
	01/27/98		--	5.12	--	7.59
	04/22/98		--	4.90	--	7.81
	07/22/98		--	6.47	--	6.24

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-26	10/21/98	12.71	--	7.64	--	5.07
	02/05/99		**--**	**7.34**	**--**	**5.37**
	04/07/99		**--**	**5.70**	**--**	**7.01**
MW-27	02/24/94	14.04	--	8.41	--	5.63
	03/18/94		--	7.23	--	6.81
	06/02/94		--	8.94	--	5.10
	12/12/95		--	9.30	--	4.74
	06/21/96		--	7.64	--	6.40
	08/29/96		--	8.82	--	5.22
	01/16/97		--	7.06	--	6.98
	04/15/97		--	7.36	--	6.68
	07/22/98		--	7.83	--	6.21
	02/05/99		**--**	**8.53**	**--**	**5.51**
MW-28	02/24/94	13.45	--	7.98	--	5.47
	03/18/94		--	6.65	--	6.80
	06/02/94		--	8.28	--	5.17
	08/31/94		--	9.03	--	4.42
	12/22/94		--	6.73	--	6.72
	03/13/95		--	5.93	--	7.52
	06/09/95		--	7.20	--	6.25
	09/22/95		--	8.37	--	5.08
	12/12/95		--	9.00	--	4.45
	12/18/95		--	8.44	--	5.01
	03/12/96		--	5.62	--	7.83
	06/21/96		--	7.08	--	6.37
	08/29/96		--	9.30	--	4.15
	01/16/97		--	6.50	--	6.95
	04/15/97		--	7.17	--	6.28
	07/07/97		--	8.26	--	5.19
	10/27/97		--	8.93	--	4.52
	01/27/98		--	5.81	--	7.64
	04/22/98		--	5.60	--	7.85
	07/22/98		--	7.27	--	6.18
	10/21/98		--	8.43	--	5.02
	02/05/99		**--**	**7.19**	**--**	**6.26**
	04/07/99		**--**	**6.41**	**--**	**7.04**
MW-29	02/24/94	12.60	--	7.20	--	5.40
	03/18/94		--	5.82	--	6.78
	06/02/94		--	7.62	--	4.98
	08/31/94		--	8.44	--	4.16
	12/22/94		--	7.00	--	5.60
	03/13/95		--	5.55	--	7.05
	06/09/95		--	6.59	--	6.01
	09/22/95		--	7.58	--	5.02

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-29	12/12/95	12.60	--	8.02	--	4.58
	12/18/95		--	7.76	--	4.84
	03/12/96		--	5.01	--	7.59
	06/21/96		--	6.33	--	6.27
	08/29/96		--	7.50	--	5.10
	01/16/97		--	5.78	--	6.82
	04/15/97		--	6.36	--	6.24
	07/07/97		--	7.33	--	5.27
	10/27/97		--	8.11	--	4.49
	01/27/98		--	5.15	--	7.45
	04/22/98		--	4.95	--	7.65
	07/22/98		--	6.45	--	6.15
	10/21/98		--	7.65	--	4.95
	02/05/99		**--**	**8.01**	**--**	**4.59**
	04/07/99		**--**	**5.66**	**--**	**6.94**
MW-30	02/24/94	14.54	--	8.95	--	5.59
	03/18/94		--	7.79	--	6.75
	06/02/94		--	9.47	--	5.07
	08/31/94		--	10.27	--	4.27
	12/22/94		--	8.64	--	5.90
	03/13/95		--	7.23	--	7.31
	06/09/95		--	8.34	--	6.20
	09/22/95		--	9.41	--	5.13
	12/06/95		--	10.35	--	4.19
	12/12/95		--	9.90	--	4.64
	12/18/95		--	9.55	--	4.99
	03/12/96		--	6.93	--	7.61
	06/21/96		--	8.23	--	6.31
	08/29/96		--	9.53	--	5.01
	01/16/97		--	7.72	--	6.82
	04/15/97		--	8.31	--	6.23
	07/07/97		--	9.28	--	5.26
	10/27/97		--	10.02	--	4.52
	01/27/98		--	7.04	--	7.50
	04/22/98		--	6.91	--	7.63
	07/22/98		--	8.44	--	6.10
	10/21/98		--	9.60	--	4.94
	02/05/99		**--**	**9.08**	**--**	**5.46**
	04/07/99		**--**	**7.63**	**--**	**6.91**
MW-31	06/02/94	14.92	--	9.42	--	5.50
MW-32	02/24/94	14.76	--	8.95	--	5.81
	03/18/94		--	7.25	--	7.51
	06/02/94		--	9.28	--	5.48
	08/31/94		--	10.12	--	4.64
	12/22/94		--	8.40	--	6.36

TABLE 2 (continued)

Well No.	Gauging Date	TOC Elevation (ft)	TOC Depth to Product (ft)	TOC Depth to Water (ft)	Product Thickness (ft)	Water Table Elevation (ft msl)
MW-32	03/13/95	14.76	--	6.63	--	8.13
	06/09/95		--	7.94	--	6.82
	09/22/95		--	9.32	--	5.44
	12/12/95		--	9.84	--	4.92
	12/18/95		--	9.53	--	5.23
	03/12/96		--	6.23	--	8.53
	06/21/96		--	7.85	--	6.91
	08/29/96		--	9.22	--	5.54
	01/16/97		--	7.14	--	7.62
	04/15/97		--	7.89	--	6.87
	07/07/97		--	9.00	--	5.76
	10/27/97		--	9.86	--	4.90
	01/27/98		--	6.35	--	8.41
	04/22/98		--	6.05	--	8.71
	07/22/98		--	8.06	--	6.70
	10/21/98		--	9.35	--	5.41
	02/05/99		**--**	**8.76**	**--**	**6.00**

-- Product not present.

TABLE 3 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–1999

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	
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	--	
	04/15/97	1,300	300	180	160	4,300	800	<0.5	16	<0.5	1.1	6.9	

TABLE 3 (continued)

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	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	
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	
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**	

TABLE 3 (continued)

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	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
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	--	

TABLE 3 (continued)

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	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**	
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**	
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	
	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	

TABLE 3 (continued)

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	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**	
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	
	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
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

TABLE 3 (continued)

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	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**	
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	
MW-33	**04/07/99**	**0.60**	**<0.5**	**0.90**	**<0.5**	**<50**	**<250***	--	--	--	--	**<0.5**	
MW-?	**02/05/99**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**430**	--	--	--	--	**<0.5**	

TABLE 3 (continued)

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-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-46	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	270	<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	
94	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	170	--	--	--	--	<0.5	
210	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	960	--	--	--	--	<0.5	
241	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	<250*	--	--	--	--	<0.5	
Trip Blank	02/05/99	<0.5	<0.5	<0.5	<0.5	<50	--	<0.5	<0.5	<0.5	<0.5	<0.5	
	04/07/99	<0.5	<0.5	<0.5	<0.5	<50	--	--	--	--	--	<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. c 1,2-DCE detected, 0.7 µg/L.
f. c 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.

ND Not detected.
-- Not analyzed or not sampled.
µg/L Micrograms per liter.
* Analyzed outside method specified hold time.

TPH-g Total Petroleum Hydrocarbons as gasoline.

TABLE 3 (continued)

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

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.

TABLE 4 OPERATION AND PERFORMANCE DATA- GROUNDWATER EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours of Operation	Percent Operational[1]	Flow Total (gallons)	Average Operational Flow Rate (gpm)[2]	Total Influent TPH Conc. (µg/L)	Est. Pounds TPH in Water Removed[3]	Est. Cumulative Pounds Free Product Removed[4]	
			350					
8/28/97	15.0	NA	700	NM		0.00	0	Startup and testing. Repair needed.
9/24/97	0.0	0%	NM	NM		NM	0	
10/8/97	0.0	0%	NM	NM		NM	0	
10/22/97	0.0	0%	NM	NM		NM	0	
10/24/97	0.0	0%	NM	NM		NM	0	
11/4/97	0.2	0%	NM	NM	471,000	NM	0	Restart after repairs.
11/11/97	0.0	0%	1,440	NM		2.34	0	2 x 200 lb LGAC changed out
11/12/97	2.0	8%	1,446	0.05	286,000	0.02	0	
11/14/97	2.6	5%	1,820	2.40		0.99	209	
11/17/97	3.7	5%	2,610	3.56		2.09	209	
11/18/97	0.7	3%	2,820	5.00		0.56	209	
11/25/97	2.8	2%	2,870	NM		0.13	209	
12/5/97	3.0	1%	3,890	5.67		2.70	209	2 more 200 lb LGAC added in series
12/9/97	1.7	2%	4,380	4.80		1.30	209	
12/12/97	2.3	3%	4,900	3.77		1.38	209	
12/15/97	0.3	0%	5,020	6.67		0.32	209	
1/19/98	0.0	0%	NM	NM		NM	209	
1/28/98	0.0	0%	NM	NM		NM	209	
2/10/98	1.7	1%	5,369	NM	350,000	0.92	217	Restarted after additional repairs.
2/11/98	11.6	47%	7,830	3.54		9.23	217	Shut down for VGAC changeout
2/24/98	0.6	0%	7,980	4.17		0.56	217	Restart
2/25/98	11.6	49%	10,855	4.13	550,000	10.79	217	
2/26/98	1.9	8%	11,384	4.64		2.50	222	LGAC high pressure shutdown
2/27/98	2.3	9%	12,041	4.76		3.11	231	LGAC high pressure shutdown
2/27/98	1.7	93%	12,271	2.25		1.09	231	
2/27/98	2.2	50%	12,790	3.93		2.45	231	Shut down for weekend.
3/2/98	0.3	0%	13,080	16.11		1.37	231	Restart, open Line #2
3/3/98	12.1	50%	16,211	4.31		14.80	231	Shut down for LGAC, VGAC changeout
3/4/98	0.5	2%	16,400	6.30		0.89	231	Restart, 2x200lb LGAC changed out
3/5/98	8.2	48%	18,750	4.78	584,000	11.11	231	
3/6/98	8.0	25%	21,195	5.09		10.19	240	False high level in Tank #3. Restarted
3/7/98	10.6	49%	23,968	4.36		11.56	240	
3/8/98	11.5	53%	26,380	3.50		10.05	240	
3/9/98	11.6	50%	28,980	3.74		10.84	240	
3/10/98	15.8	57%	32,094	3.28	416,000	12.98	463	Shut down for VGAC and LGAC changeout.
3/13/98	0.6	1%	32,293	5.53		0.37	463	Restart, 3 x 200 lb LGAC changed out
3/13/98	2.6	43%	32,850	3.57		1.04	463	Shut down for weekend.
3/16/98	0.3	0%	33,055	11.39		0.38	463	Restarted after weekend.
3/17/98	9.4	45%	34,792	3.08		3.23	463	
3/18/98	9.3	36%	37,139	4.21	30,000	4.36	498	
3/19/98	12.2	44%	39,437	3.14		1.40	498	
3/20/98	7.3	33%	41,135	3.88		1.03	498	Shut down for weekend.
3/23/98	0.3	0%	41,155	1.11		0.01	498	Restarted after weekend.
3/24/98	9.0	41%	43,100	3.60		1.18	498	
3/25/98	4.1	20%	44,178	4.38	116,000	0.66	498	Separation samples collected
3/26/98	11.2	47%	46,200	3.01		1.31	498	Separation samples collected
3/27/98	10.0	38%	48,445	3.74		1.46	498	Shut down for weekend.

TABLE 4 OPERATION AND PERFORMANCE DATA- GROUNDWATER EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours of Operation	Percent Operational[1]	Flow Total (gallons)	Average Operational Flow Rate (gpm)[2]	Total Influent TPH Conc. (µg/L)	Est. Pounds TPH in Water Removed[3]	Est. Cumulative Pounds Free Product Removed[4]	
3/30/98	0.5	1%	48,656	7.03		0.14	498	
3/31/98	12.3	51%	51,166	3.40	40,000	1.63	498	
4/1/98	8.5	36%	52,750	3.11		0.47	498	Shut down for vapor phase carbon changeout.
4/6/98	0.0	0%	53,098	0.00		0.10	274	Restart after changeout. Drained water from product tank.
4/7/98	12.8	68%	54,971	2.44		0.56	274	
4/8/98	13.5	61%	57,087	2.61	31,500	0.63	274	Shut down for upgrades to system
4/8/98	0.9	17%	57,515	7.93		0.13	274	
4/9/98	12.1	56%	59,670	2.97		0.72	274	
4/10/98	10.4	46%	61,678	3.22		0.67	274	Shut down for the weekend.
4/13/98	0.5	1%	61,932	8.47		0.08	274	Restart after weekend
4/14/98	4.7	22%	63,462	5.43	48,500	0 51	274	Shut down from clogged filter
4/15/98	10.0	44%	66,411	4.92		0.98	274	
4/16/98	9.6	40%	69,230	4.89		1.40	274	Shut down from clogged filter
4/17/98	10.1	37%	72,380	5.20		1.57	274	Shut down from clogged filter. Shut down for weekend
4/20/98	2.3	3%	72,751	2.69		0.18	274	Restarted after weekend.
4/21/98	3.4	14%	74,261	7.40		0.75	274	Shut down from clogged filter
4/22/98	2.0	9%	NM	NM	71,000	NM	274	Shut down from clogged filter
4/23/98	8.9	46%	76,970	4.14		1.50	274	Shut down for VGAC and LGAC changeout.
4/29/98	1.6	1%	77,820	8.85		0.47	327	Restart after GAC changeout
4/30/98	1.6	8%	78,320	5.21		0.28	327	Filter fouling.
5/1/98	1.8	7%	79,136	7.56		0.45	327	Filter fouling. Shut down for weekend
5/4/98	1.3	2%	79,290	1.97	61,600	0.09	327	Restart after weekend
5/5/98	9.4	43%	81,382	3.71		0.71	327	
5/6/98	15.1	53%	84,062	2.96		0.91	327	
5/7/98	8.6	47%	86,055	3.86		0.68	327	
5/8/98	14.2	47%	89,207	3.70		1.07	327	
5/11/98	16.2	24%	92,465	3.35		1.11	327	System operated over weekend. Shutdown from low water level in separator #2.
5/12/98	4.9	23%	93,541	3.66		0.37	327	
5/13/98	6.1	19%	94,944	3.83		0 48	327	
5/14/98	8.3	50%	96,655	3.44	19,900	0.58	327	
5/15/98	16.3	52%	99,890	3.31		0.54	327	Shut down for vapor breakthrough
6/1/98	0.3	0%	99,930	2.22		0.01	347	
RESTART SYSTEM WITH THERMAL OXIDIZER						0.00	0	
9/16/98	7.4	0%	100,470	1.22		0.04	347	
9/17/98	3.9	14%	100,520	0.21		0.00	347	
9/20/98	2.1	3%	100,630	0.87		0.01	347	
9/21/98	21.4	98%	101,980	1.05	9,600	0.11	698	
9/23/98	10.0	21%	102,700	1.20		0.05	569	
9/25/98	24.2	51%	104,570	1.29		0.14	569	
9/28/98	2.2	3%	104,920	2.65		0.03	569	
9/30/98	15.8	31%	106,450	1.61		0.11	569	
10/2/98	12.4	27%	107,350	1.21		0.07	569	
10/5/98	72.3	98%	113,720	1.47		0.48	569	
10/7/98	5.5	11%	114,150	1.30	8,300	0.26	569	
10/9/98	44.7	97%	119,490	1.99		3.28	569	

TABLE 4 OPERATION AND PERFORMANCE DATA- GROUNDWATER EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours of Operation	Percent Operational[1]	Flow Total (gallons)	Average Operational Flow Rate (gpm)[2]	Total Influent TPH Conc. (µg/L)	Est. Pounds TPH in Water Removed[3]	Est. Cumulative Pounds Free Product Removed[4]	
10/12/98	74.9	100%	125,060	1.24		3.42	569	
10/14/98	29.8	67%	131,310	3.50		3.84	569	
10/16/98	26.4	52%	133,680	1.50		1.45	569	
10/19/98	1.6	2%	133,820	1.46		0.09	569	
10/21/98	3.5	8%	134,140	1.52		0.20	569	
10/22/98	5.9	24%	134,730	1.67		0.36	569	
10/23/98	26.5	99%	137,250	1.58		1.55	569	
10/26/98	73.4	101%	140,510	0.74	138,900	2.00	569	
10/28/98	45.4	99%	NM	NM		0.00	569	
10/30/98	22.1	44%	146,360	4.41		7.32	569	
11/2/98	28.5	40%	150,710	2.54		5.45	569	
11/4/98	14.7	29%	153,050	2.65		2.93	569	
11/6/98	17.1	37%	155,490	2.38		3.05	569	
11/9/98	31.8	44%	160,010	2.37		5.66	569	
11/11/98	31.5	71%	165,613	2.96	161,400	7.01	569	
11/13/98	51.5	99%	172,640	2.27		5.74	569	Shut down for LGAC changeout
11/16/98	2.0	3%	172,880	2.00		0.20	569	
11/18/98	6.8	16%	174,290	3.46		1.15	569	
11/20/98	48.5	98%	180,470	2.12		5.05	569	
11/23/98	71.2	100%	188,889	1.97	34,600	6.88	569	
11/25/98	46.0	100%	193,870	1.80		4.28	538	
11/30/98	54.0	44%	199,480	1.73		4.82	538	
12/2/98	43.1	98%	204,290	1.86		4.13	538	
12/4/98	52.0	97%	210,350	1:94		5.21	538	
12/7/98	31.1	47%	214,040	1.98		3.17	538	High level in equalization tank.
12/9/98	32.0	65%	217,710	1.91	171,500	3.15	538	Repaired air leak after transfer pump.
12/11/98	31.5	60%	221,050	1.77		5.23	538	High level in equalization tank.
12/14/98	41.9	60%	225,440	1.75		6.87	538	Power outage
12/16/98	21.5	50%	227,830	1.85		3.74	538	High level in equalization tank.
12/18/98	3.1	6%	228,560	3.92		1.14	538	Flame out on oxidizer.
12/21/98	23.8	33%	232,190	2.54		5.68	538	Flame out on oxidizer.
12/23/98	5.3	12%	233,200	3.18	203,800	1.58	538	High level in equalization tank.
12/24/98	25.8	100%	237,030	2.47		3.50	538	
12/28/98	38.4	40%	242,010	2.16		4.55	538	High level in equalization tank.
12/30/98	49.1	99%	247,990	2.03		5.47	538	
12/31/98	20.0	100%	250,090	1.75		1.92	538	
1/4/99	53.6	55%	256,290	1.93		5.67	538	Shut down for carbon changeout.
1/11/99	1.4	1%	256,480	2.26		0.17	538	Restarted system, Opened all wells except PR21 and PR36.
1/13/99	45.9	100%	260,300	1.39		3.49	538	
1/15/99	44.0	86%	265,170	1.84		4.45	538	High level in equalization tank.
1/18/99	65.0	95%	271,330	1.58		5.63	538	High level in holding tank
1/20/99	46.4	100%	275,614	1.54	15,500	3.92	538	Collected samples
1/22/99	48.5	99%	280,007	1.51		9.02	538	
1/25/99	65.9	92%	286,368	1.61		13.06	538	High level in equalization tank.
1/29/99	53.8	56%	290,810	1.38		9.12	538	
2/1/99	68.7	93%	298,466	1.86		15.72	538	
2/3/99	46.1	100%	303,767	1.92		10.89	538	
2/5/99	51.0	100%	309,597	1.91		11.97	538	
2/9/99	3.2	3%	310,180	3.04		1.20	538	
2/10/99	22.2	96%	312,250	1.55		4.25	538	
2/12/99	30.1	61%	314,160	1.06		3 92	538	Flame out on oxidizer.
2/15/99	69.9	99%	322,821	2.07		17.79	538	Final site visit

TABLE 4 OPERATION AND PERFORMANCE DATA- GROUNDWATER EXTRACTION SYSTEM NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours of Operation	Percent Operational[1]	Flow Total (gallons)	Average Operational Flow Rate (gpm)[2]	Total Influent TPH Conc. (µg/L)	Est. Pounds TPH in Water Removed[3]	Est. Cumulative Pounds Free Product Removed[4]	
3/4/99	2.0	0%	322,960	1.16		0.29	538	Restarted system
3/8/99	6.7	7%	323,980	2.54		2.09	538	Flame out on oxidizer, motor starter tripped.
3/11/99	27.4	38%	327,090	1.89	477,200	6.39	538	High level in holding tank, pump switch was turned off.
3/12/99	5.6	19%	328,030	2 80		2.40	538	Flameout on oxidizer.
3/15/99	68.0	100%	335,900	1.93		20.11	538	
3/17/99	42.8	89%	340,830	1.92		12.60	538	Hı level in equalization tank.
3/19/99	47.7	99%	345,970	1.80		13.13	538	Shut down for pulsing.
4/5/99	96.6	24%	358,875	2.23		32.98	538	
4/7/99	47.5	100%	363,596	1.66		12.06	538	
4/9/99	18.6	36%	365,900	2.06		5.89	538	Hı level in equalization tank.
4/12/99	33.9	50%	370,320	2.17		11.29	538	Hi level in equalization tank.
4/14/99	32.1	68%	374,520	2.18	135,800	10.73	538	Hi level in equalization tank.
5/10/99	175.5	28%	380,100	0.53		14.26	538	Low level in separator #2
5/12/99	40.2	91%	384,170	1.69		10.40	538	Hı level in equalization tank.
5/14/99	28.8	56%	387,960	2.19		9.68	538	Hi level in equalization tank.
5/17/99	69.4	100%	395,010	1.69		18.01	538	
5/19/99	49.7	100%	400,140	1.72		13.11	538	
Total	**3312.8**		**400,140**			**610.55**	**538**	

1 Percent operational = hours of blower operation / days between readings * 24 hours/day * 100%

2 Average operational flow rate = total flow in period/hours of operation in period

3 Est. TPH Pounds Removed = Average Influent conc (µg/L) [using latest sampling] * period flow total (gallons) * 1 lb/454 g * 1/1,000,000 * 3.785 L/gallon

4 Est. Cumulative Pounds Free Product Removed assumes all liquid tank is 100% product, specific gravity = 0.8

gpm = gallons per minute

Total TPH = Total of TPH-gas and TPH-diesel

µg/L = micrograms per liter

F:\Projects\Nestle\PUBLIC\O&M\TABLES\[O&MTABLE.XLS]Report Table (water)

TABLE 5 OPERATION AND PERFORMANCE DATA - VAPOR EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours Blower Operational	Percent Blower Operational	Average Oxidizer Flowrate (CFM)	FID Concentrations (ppmv) Oxidizer Influent (ppmv)	FID Concentrations (ppmv) Oxidizer Effluent (ppmv)	Estimated Pounds of TPH-g Removed*	Notes
8/28/97	15	NA	25	120	0	0.8	Startup and testing. Repair needed.
9/24/97	0	0.0%	NM	NM	NM	0.0	
10/8/97	0	0.0%	NM	NM	NM	0.0	
10/22/97	0	0.0%	NM	NM	NM	0.0	
10/24/97	0	0.0%	NM	NM	NM	0.0	
11/4/97	0.2	0.1%	53	>1000	0	1.8	Restart after repairs.
11/11/97	0	0.0%	NM	NM	NM	0.0	2,000 lb VGAC Change out.
11/12/97	2	8.2%	NM	>1000	0	27.4	
11/14/97	2.6	5.5%	50.5	16,000	0	36.0	
11/17/97	3.7	4.9%	NM	>10,000	0	50.7	VGAC flooded by water.
11/18/97	0.7	3.0%	NM	950	100	0.6	
11/25/97	2.8	1.7%	55	61,000	0	160.8	2,000 lb VGAC change out, restart.
12/5/97	3	1.3%	NM	NM	NM	245.9	
12/9/97	1.7	1.7%	76	42,000	60	113.9	
12/12/97	2.3	3.2%	67	13,000	0	72.5	
12/15/97	0.3	0.4%	70	52,000	0	11 7	
1/19/98	0	0.0%	NM	NM	NM	0 0	
1/28/98	0	0.0%	NM	NM	NM	0.0	
2/10/98	1.7	0.5%	55	110,000	0.2	176.0	Restarted after additional repairs.
2/11/98	11.6	47.3%	54	20,000	0.2	696.9	Shutdown for VGAC changeout.
2/24/98	0.6	0.2%	55.5	20,000	0.3	11.4	Restart, 2,000 lb VGAC changeout 2/23
2/25/98	11.6	49.4%	55	8,020	0.1	153.0	
2/26/98	1.9	7.7%	54.5	16,000	0	21.3	
2/27/98	2.3	9.4%	56	8,089	0	26.6	
2/27/98	1.7	92.7%	53	29,000	0	28.6	
2/27/98	2.2	49.8%	54	14,500	0	44.2	Shut down for weekend.
3/2/98	0.3	0.5%	65	9,360	0	4.0	Restart, open Line #2
3/3/98	12.1	50.4%	58.5	4,386	0	83.3	Shutdown for VGAC changeout.
3/4/98	0.5	1.6%	NM	23,000	0	6.4	Restart. 1,000 lb VGAC changeout.
3/5/98	8.2	47.5%	51.5	8,740	2 8	114.7	
3/6/98	8	25.2%	47.5	7,720	0	53.5	
3/7/98	10.6	49.1%	64.5	2,586	0	60.3	
3/8/98	11.5	53.5%	69	3,130	0.1	38.8	
3/9/98	11.6	50.4%	62	1,420	0	28.0	
3/10/98	15.8	56.6%	60	1,574	0	24.3	Shutdown for VGAC changeout.
3/13/98	0.6	0.9%	44	12,000	0	3.1	1,000 lb VGAC changeout.
3/13/98	2.6	43.3%	50	8,100	0	22.4	Shutdown for weekend.
3/16/98	0.3	0.4%	55	10,400	0	2.6	Restart after weekend
3/17/98	9.4	45.3%	60	2,069	0	60.2	
3/18/98	9.3	36.4%	68	1,454	0	19.1	
3/19/98	12.2	44.2%	60	1,384	0	17.8	
3/20/98	7.3	32.9%	49	1,568	0	9.0	Shutdown for weekend.
3/23/98	0.3	0.4%	60	6,510	0	1.2	Restart after weekend
3/24/98	9	40.8%	64	1,977	0	41.8	
3/25/98	4.1	20.2%	58	1,338	0	6.7	
3/26/98	11.2	47.0%	65	2,476	0.1	23.8	
3/27/98	10	37.5%	69	1,215	0	21.8	Shutdown for weekend.
3/30/98	0.5	0.7%	63	1,170	0.3	0.6	

TABLE 5 OPERATION AND PERFORMANCE DATA - VAPOR EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours Blower Operational	Percent Blower Operational	Average Oxidizer Flowrate (CFM)	FID Concentrations (ppmv) Oxidizer Influent (ppmv)	FID Concentrations (ppmv) Oxidizer Effluent (ppmv)	Estimated Pounds of TPH-g Removed*	Notes
3/31/98	12.3	50.7%	64	1,715	0	19.4	
4/1/98	8.5	35.8%	62	1,245	0	13.3	Shutdown for vapor phase carbon changeout
4/6/98	0	0.0%	59	2,190	0	0.0	Restart after changeout.
4/7/98	12.8	67.7%	66	1,090	0	23.7	
4/8/98	13.5	61.4%	64	1,000	0	15.5	
4/8/98	0.9	17.1%	56	1,230	0	1 0	Shut down for upgrades to system
4/9/98	12.1	56.1%	67	1,370	0	18.0	
4/10/98	10.4	46.4%	65	1,370	0	15.9	Shut down for the weekend.
4/13/98	0.5	0.7%	63	8,970	0	2.8	Restart after weekend
4/14/98	4.7	22.0%	62	2,650	0	29.0	
4/15/98	10	43.8%	71	1,180	0	23.3	
4/16/98	9.6	40.0%	69	1,930	0	17 6	
4/17/98	10.1	36.8%	56	2,036	0	19.2	Shut down for weekend
4/20/98	2.3	3.2%	60	2,240	0	5.0	Restarted after weekend.
4/21/98	3.4	13.6%	62	2,150	0	7.9	
4/22/98	2	8.7%	80	2,880	0	6.9	
4/23/98	8.9	46.2%	74	1,680	0	25.7	Shut down for VGAC and LGAC changeout.
4/29/98	1.6	1.1%	NM	3,680	0	4 6	Restart after GAC changeout
4/30/98	1.6	7.6%	52	6,000	0	6.9	
5/1/98	1.8	6.9%	93	988	0	10.0	Shut down for weekend
5/4/98	1.3	1.9%	94	1,126	0	2.2	Restart after weekend
5/5/98	9.4	42.7%	99.5	579	0.3	13.6	
5/6/98	15.1	52.7%	85	918	0	16.4	
5/7/98	8.6	47.3%	91.5	2,250	0	21.3	
5/8/98	14.2	47.5%	87	1,051	0	34 9	
5/11/98	16.2	23.7%	85	927	0	23 3	Discovered system operated over weekend
5/12/98	4.9	22.7%	84	2,433	0	11 8	
5/13/98	6.1	19.0%	85	1,193	0	16.1	
5/14/98	8.3	49.8%	98	771	0.5	13.7	
5/15/98	16.3	51.7%	81	685	0	16.5	Shut down system for vapor breakthrough
6/1/98	0.3	0.1%	87	4,253	0	1.1	
9/16/98	443.4	0.1%	87	NM	NM	NA	
9/17/98	3.9	13.6%	86	NM	NM	NA	
9/20/98	2.1	3.1%	84	2,286	NM	6.9	
9/21/98	21.4	98.0%	87.6	1,646	0.3	63.1	
9/23/98	10	21.1%	89.5	3,777	0.07	41.5	
9/25/98	24.2	50.5%	84.5	NM	NM	NA	
9/28/98	2.2	3.2%	73.5	1,094	NM	3.0	
9/30/98	15.8	31.5%	83	1,053	NM	23.6	
10/2/98	12.4	27.0%	67	382	6.07	10.2	
10/5/98	72.3	98.1%	94.5	2,430	2.38	164.4	
10/7/98	5.5	11.0%	88.5	884	0.03	13 8	
10/9/98	44.7	97.5%	85	3,230	0.21	133.8	
10/12/98	74.9	99.7%	86	3,934	0 15	394.9	
10/14/98	29.8	66.7%	94	1,711	0 09	135.3	
10/16/98	26.4	52.5%	66	854	2.7	38.2	

TABLE 5 OPERATION AND PERFORMANCE DATA - VAPOR EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours Blower Operational	Percent Blower Operational	Average Oxidizer Flowrate (CFM)	FID Concentrations (ppmv) Oxidizer Influent (ppmv)	FID Concentrations (ppmv) Oxidizer Effluent (ppmv)	Estimated Pounds of TPH-g Removed*	Notes
10/19/98	1.6	2.3%	74	557	1.4	1.4	
10/21/98	3.5	7.7%	76.5	707	0.32	2.9	
10/22/98	5.9	24.3%	NM	NM	NM	0.0	
10/23/98	26.5	98.6%	81.5	1,135	1.3	163.5	
10/26/98	73.4	100.0%	102	7,711	0.7	566.7	
10/28/98	45.4	99.3%	79	1,485	0.12	282.3	
10/30/98	22.1	44.0%	80	2,726	0.11	63.7	
11/2/98	28.5	40.0%	70	1,573	0	73.4	
11/4/98	14.7	29.3%	74.5	2,258	1.4	35.9	
11/6/98	17.1	37.0%	87	2,374	1.15	59.0	
11/9/98	31.8	43.8%	70	2,671	0	96.1	
11/11/98	31.5	71.3%	92	7,158	0.74	243.8	
11/13/98	51.5	99.4%	87.5	2,395	2.85	368.4	Shut down for LGAC changeout
11/16/98	2	2.7%	89.5	2,121	3.34	6.9	
11/18/98	6.8	15.6%	82	1,893	NM	19.2	
11/20/98	48.5	98.0%	82.5	1,507	2.9	116.4	
11/23/98	71.2	99.8%	91	1,433	3.7	163.0	
11/25/98	46	100.4%	92.5	1,848	2.1	119.5	
11/30/98	54	43.5%	91.5	2,814	2.9	197.1	
12/2/98	43.1	98.1%	93.5	1,108	3.1	135.3	
12/4/98	52	97.3%	76.5	2,640	3.2	127.6	
12/7/98	31.1	46.6%	84.5	4,105	3.9	151.7	
12/9/98	32	64.8%	88	834	1.8	119.0	
12/11/98	31.5	60.0%	93	1,043	1.1	47.1	
12/14/98	41.9	59.6%	83.5	3,170	2.8	126.2	Power outage
12/16/98	21.5	49.8%	89	1,593	1.9	78.0	
12/18/98	3.1	5.8%	84.8	905	2	5.6	Flame out on oxidizer.
12/21/98	23.8	33.4%	85.5	551	3.2	25.4	Flame out on oxidizer.
12/23/98	5.3	11.8%	82	605	3.8	4.3	
12/24/98	25.8	99.9%	90	595	1.9	23.8	
12/28/98	38.4	39.8%	85.5	1,684	2	64.0	
12/30/98	49.1	99.2%	89	443	1.8	79.5	
12/31/98	20	100.2%	87.5	580	1.9	15.3	
1/4/99	53.6	54.7%	83.5	3,664	2	162.5	Shut down for liquid carbon changeout. Restarted system, opened all wells except PR21 and PR36.
1/11/99	1.4	0.8%	76	459	0.86	3.8	
1/13/99	45.9	99.8%	97.5	615	0	41.1	
1/15/99	44	85.6%	93	603	0.3	42.6	
1/18/99	65	94.8%	91	735	0.3	67.7	
1/20/99	46.4	99.6%	91	753	0.8	53.8	
1/22/99	48.5	99.3%	91.5	738	1.2	56.6	
1/25/99	65.9	91.7%	93.5	681	0.4	74.8	
1/29/99	53.8	55.7%	85.5	207	1.1	35.0	
2/1/99	68.7	93.5%	87	195	1.5	20.6	
2/3/99	46.1	100.4%	81.5	429	0.4	20.0	
2/5/99	51	100.0%	93.5	415	2.1	34.4	
2/9/99	3.2	3.4%	87.5	213	1.4	1.5	
2/10/99	22.2	96.2%	92.5	110	1.1	5.7	

TABLE 5 OPERATION AND PERFORMANCE DATA - VAPOR EXTRACTION SYSTEM
NESTLE' FORMER CARNATION FACILITY, 1310 14TH STREET, OAKLAND, CALIFORNIA

Date	Hours Blower Operational	Percent Blower Operational	Average Oxidizer Flowrate (CFM)	FID Concentrations (ppmv) Oxidizer Influent (ppmv)	FID Concentrations (ppmv) Oxidizer Effluent (ppmv)	Estimated Pounds of TPH-g Removed*	Notes
2/12/99	30.1	61.3%	89	130	0.7	5.5	Flame out on oxidizer.
2/15/99	69.9	98.7%	91	240	0.3	20.2	Final site visit before changing consultants.
3/4/99	2	0.5%	NM	493	3.7	0.0	Restarted system with new consultant
3/8/99	6.7	6.9%	89	193	0.5	3.5	Flame out on oxidizer, motor starter tripped.
3/11/99	27.4	38.1%	94.5	182	5	8.3	
3/12/99	5.6	19.4%	100	180	2.3	1.7	Flame out on oxidizer.
3/15/99	68	99.5%	97	180	5	20.3	
3/17/99	42.8	89.2%	98	3	0	6.6	Hi level in equalization tank.
3/19/99	47.7	99.4%	98	148	3.5	6.0	Shut down for pulsing.
4/5/99	96.6	23.7%	92	738	0.75	67.3	
4/7/99	47.5	100.2%	91.1	289	0	38.0	
4/9/99	18.6	35.8%	89	720	5	14.3	
4/12/99	33.9	49.6%	98	342	0.5	30.2	
4/14/99	32.1	68.4%	98.5	510	3.5	23.1	
5/10/99	175.5	27.9%	94.5	483	0	140.9	
5/12/99	40.2	91.5%	94.5	242	0.5	23.6	
5/14/99	28.8	56.4%	98.5	285	3.5	12.8	
5/17/99	69.4	99.5%	88.5	140	1.5	22.3	
5/19/99	49.7	100.2%	89.5	173	3	11.9	
TOTAL	**789**					**8647**	

CFM = cubic feet per minute
FID = Flame Ionization Detector
TPH-g = Total Petroleum Hydrocarbons, as Gasoline
ppmv = parts per million by volume

* Estimated Pounds TPH Removed = Average Influent conc.(ppmv) * Average flowrate (CFM) * Hours of Operation * 60 min/hour * 1/1,000,000 ppm * 110 g/mole *1/24.055 L/mole * 1 lb/454 g * 28.32 L/ft3
(assuming average TPH-g molecular weight is 110 g/mole, at 20° C temperature)

Appendix A

Field Documents

WATER LEVEL MEASUREMENTS

Well Number	Date	Depth to Product (feet)	Depth to Groundwater (feet)	Product Thickness (feet)	Comments D.T.B
W-[redacted]94	2-5.99	—	8.24	—	14.6
W-[redacted]210		—	8.20	—	10.18
mw"?"		—	8.50	—	12.28
mw14		—	8.31	—	8.55 (DO water sample)
mw15		—	8.30	—	8.96
[redacted]V-46		—	7.83	—	10.18
W [redacted]81		—	8.41	—	14.95
mw-11		—	8.44	—	21.90
mw-12		—	9.20	—	22.90
mw-5		—	8.66	—	23.45
mw-13		—	8.79	—	21.80
mw-2		—	9.18	—	[redacted]23.0
mw-32		—	8.76	—	22.90
mw-30		—	9.08	—	[redacted]20.90
mw-6		—	8.53	—	15.54
mw-3		—	8.79	—	24.73
mw-28		—	7.19	—	23.0
mw-29		—	8.01	—	25.22
mw-27		—	8.53	—	23.70
mw-25		—	7.51	—	19.30
mw-26		—	7.34	—	24.84

SITE NAME: Nestle Oakland

PROJECT NO. 99510.05 Page of

OST-9 (04-27-94)

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW - ? (UNKNOWN)
Purge/Sampler(s): _____

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (In.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	12.28	-	8.50	=	3.78	X	0.17	=	.64
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Other AES - Vacuum

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	10:57	6.95	934	14.4	SILTY
1	1.0	11:04	7.34	755	15.0	"
2	3.0	11:07	7.46	694	14.8	"
3	4.0	11:10	7.50	700	14.6	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	_____	
(P) After Purging	_____	
P - 0.8 (P-I) =	_____	80% Recovery
(S) Before Sampling	_____	
(P-S) / (P-I) X 100 =	_____	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99. 12:02. Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-~~#~~ 15
Purge/Sampler(s): W. LUECKE.

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	8.96	–	8.30	=	.66	X	0.17	=	.11
4		–		=		X	0.66	=	
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☐ Other AES - VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	10:46	6.45	1468	15.3	CLEAR.
1	VACUUM WELL DRY -					
2		11:02	7.03	1560	14.5	CLEAR
3	BAIL WELL DRY					
4		11:11	7.12	1476	14.7	"
5	BAIL WELL DRY					
6		11:20	7.10	1479	14.5	"
7	BAIL WELL DRY -					
8						
9	12:48	START	COLLECTING	SAMPLE		
10	15:40	FINISH	"		"	

GROUNDWATER SAMPLING

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	_____	
(P) After Purging	_____	
P - 0.8 (P-I) =	_____	80% Recovery
(S) Before Sampling	_____	
(P-S) / (P-I) X 100 =	_____	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99 - 12:48 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: W-210
Purge/Sampler(s): W-LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2	10.18	-	8.20	=	1.98	X	0.17	=	
(4)		-		=		X	0.66	=	1.3
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): - Sheen/Iridescence: - Odor: NONE -

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Baller; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☐ Other AIR - VACUUM.

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	Ø	11:18	7.41	395	16.0	CLOUDY
1	2.0	11:24	7.34	371	16.0	"
2	4.0	11:27	7.40	353	16.0	"
3	5.0	11:30	7.45	343	15.9	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially		
(P) After Purging		
P - 0.8 (P-I) =		80% Recovery
(S) Before Sampling		
(P-S) / (P-I) X 100 =		% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		

Sample Date/Time: 2-5-99 - 12:20 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: W-94
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
(2)	14.60	-	8.24	=	6.36	X	0.17	=	1.08
4		-		=		X	0.66	=	
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): — Sheen/Iridescence: — Odor: NONE

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	11:32	7.21	646	16.3	CLOUDY
1	1.0	11:34	7.38	687	17.2	"
2	2.0	11:37	7.44	705	18.0	"
3	3.5	11:41	7.49	682	17.8	" pH = 7.49
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		
_____		

Sample Date/Time: 2-5-99 - 12:24 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: V-46
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4)	10.18	–	7.83	=	2.35	X	0.66	=	1.55
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Baller; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☐ Other AES - VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	Ø	11:43	8.18	248	16.4	CLOUDY.
1	2.0	11:46	8.20	163	15.2	SILTY
2		WELL DRY ALLOW RECHARGE TIMM				
3	3.0	12:14	7.66	159	16.3	11
4		WELL DRY ALLOW RECHARGE				
5	4.5	12:25	7.54	151	16.0	11
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99- 13:00 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-11
Purge/Sampler(s): _____

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
Ø 4.5	21.90	-	8.44	=	13.46	X	0.66	=	8.9
		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Baller; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☐ Other AGS Vacuum

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	Ø	13:14	7.20	738	17.5	CLOUDY
1	10.0	13:20	7.31	790	18.5	CLEAR
2	20.0	13:25	7.38	804	18.7	"
3	30.0	13:30	7.40	814	19.0	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	_____	
(P) After Purging	_____	
P - 0.8 (P-I) =	_____	80% Recovery
(S) Before Sampling	_____	
(P-S) / (P-I) X 100 =	_____	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99. 13:46 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: W-81
Purge/Sampler(s): W. LUCKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)	=	Linear Feet of GW		Gallons Per Linear Foot	=	1 Well Volume (gal.)
2	14.95	–	8.41	=	6.81	X	0.17	=	1.2
4		–		=		X	0.66	=	
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	13:34	7.59	728	15.9	CLEAR
1	2.0	13:37	7.68	712	15.2	"
2	4.0	13:40	7.70	741	15.8	"
3	5.0	13:42	7.69	722	15.8	CLOUDY
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		
_____		

Sample Date/Time: 2-5-99. 13:55 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW 12
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4)	22.90	–	9.20	=	13.7	X	0.66	=	9.0
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other ABS Vacuum

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	14:08	7.36	852	16.7	Cloudy
1	10.0	14:12	7.52	939	18.2	"
2	20.0	14:17	7.60	921	18.7	"
3	30.0	14:21	7.63	915	19.0	Clear
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		

Sample Date/Time: 2-5-99 15:15 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-13
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (In.)	Total Well Depth (ft.)	Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2 (4)	~~21.80~~ 21.80	8.79	=	13.01	X	0.17	=	8.6
4.5	–		=		X	0.66	=	
6	–		=		X	0.83	=	
					X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	14:21	8.01	343	18.7	CLEAR.
1	9.0	14:25	7.97	229	18.0	"
2	18.0	14:30	7.89	243	18.8	"
3	27.0	14:34	7.62	5.53	19.0	"
4	32.0	14:37	7.58	546	19.1	"
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		
_____		

Sample Date/Time: 2-5-99 15:24 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-5
Purge/Sampler(s): W-LUBCKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (In.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4)	23.45	–	8.66	=	14.79	X	0.66	=	9.8
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: _____

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	14:51	7.28	613	16.5	CLEAR
1	10.0	14:57	7.51	657	17.0	"
2	20.0	15:03	7.58	656	17.4	"
3	30.0	15:08	7.63	671	17.5	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99 15:33 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-29
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4) 4.5	25.22	–	8.01	=	17.21	X	0.66	=	11.4
		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☒ Other AES/VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	15:44	7.38	687	14.9	CLEAR.
1	12.0	15:46	7.47	758	15.6	"
2	24.0	15:49	7.55	770	16.7	"
3	36.0	15:52	7.61	775	17.0	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		
_____		

Sample Date/Time: 2-5-99 15:58 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-28
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4)	23.0	–	7.19	=	15.81	X	0.66	=	10.4
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other AGS VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	Ø	16:06	7.30	647	15.9	CLEAR.
1	11.0	16:10	7.46	640	16.4	"
2	22.0	16:13	7.50	659	16.4	"
3	33.0	16:17	7.57	660	16.5	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		
_____		

Sample Date/Time: 2-5-99 16:21 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-25
Purge/Sampler(s): M. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)		Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2			–		=		X	0.17	=	
0		19.3	–	7.51	=	11.79	X	0.66	=	7.8
4.5			–		=		X	0.83	=	
6			–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☐ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	Ø	16:30	7.01	780	14.3	CLEAR.
1	8.0	16:33	7.16	1086	14.5	CLEAR.
2	16.0	16:36	7.29	1132	15.0	"
3	24.0	16:40	7.40	1137	14.7	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		

Sample Date/Time: 2-5-99 16:48 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: WESTAE OAKLAND
Address: _____
Well Number: MW-2C
Purge/Sampler(s): W. LUECKE

Project Number: 99310.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		–		=		X	0.17	=	
(4)	24.84	–	7.34	=	17.5	X	0.66	=	11.5
4.5		–		=		X	0.83	=	
6		–		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other AES VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	17:11	7.30	811	15.2	CLEAR
1	12.0	17:15	7.40	840	16.4	"
2	24.0	17:19	7.35	846	16.6	"
3	36.0	17:24	7.44	847	16.8	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

	Depth to GW (ft.)	
(I) Initially	_____	
(P) After Purging	_____	
P - 0.8 (P-I) =	_____	80% Recovery
(S) Before Sampling	_____	
(P-S) / (P-I) X 100 =	_____	% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass	____	_____
40 mℓ, VOA	____	_____
500 mℓ, polypropylene	____	_____
Trip Blank	____	_____
_____	____	_____

Sample Date/Time: 2-5-99 17:30 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORK SHEET

Project Name: NESTLE OAKLAND
Address: _____
Well Number: MW-27
Purge/Sampler(s): W. LUECKE

Project Number: 99319.05
Reg. Agency: _____
Other Requirements: _____
Well Lock Number: _____

WELL VOLUME CALCULATION

Well Casing Diameter (in.)	Total Well Depth (ft.)		Depth to Goundwater (GW)		Linear Feet of GW		Gallons Per Linear Foot		1 Well Volume (gal.)
2		-		=		X	0.17	=	
(4)	23.70	-	8.53	=	15.17	X	0.66	=	10.0
4.5		-		=		X	0.83	=	
6		-		=		X	1.5	=	

GROUNDWATER SURFACE INSPECTION (BAILER CHECK)

Floating Product (ft.) (in.): _____ Sheen/Iridescence: _____ Odor: —

GROUNDWATER PURGING PURGE METHOD

☐ Stainless Steel Bailer; ☐ Submersible Pump; ☐ Air Diaphragm Pump; ☑ Other ABS VACUUM

Stagnant Volumes Purged	Volume Purged (gal.)	Time	pH	Conductivity µs/umhos	Temp. of °C	Color/Turbidity (other)
0	∅	16:54	6.97	722	14.4	CLEAR
1	10.0	16:59	7.10	667	16.2	"
2	20.0	~~16:17:03~~	7.14	677	16.8	"
3	30.0	17:08	7.20	675	16.9	"
4						
5						
6						
7						
8						
9						
10						

GROUNDWATER SAMPLING

Water Level Recovery

Depth to GW (ft.)

(I) Initially _____
(P) After Purging _____
P - 0.8 (P-I) = _____ 80% Recovery
(S) Before Sampling _____
(P-S) / (P-I) X 100 = _____% Total Recovery

Sample Containers

	No.	Preservation Method/pH
1 liter (ℓ), amber glass		
40 mℓ, VOA		
500 mℓ, polypropylene		
Trip Blank		

Sample Date/Time: 2-5-99. 17:42 Turbidity (NTU): _____

PURGED WATER CONTAINMENT

_____ gallons stored in _____ 55 gallons drum(s). Any previous drums? _____ Capacity _____

Remarks: _____

ETIC ENGINEERING Date: 4-7-99

FIELD SUMMARY REPORT

Client: NESTLE Site Name/No.: OAKLAND

Project No.: TMNEST Task No.: 3

Field Team: Chris Chatburn

No. of Drums on Site: Water _____ Soil _____ Empty _____ LPH _____

Summary:

Opened and gauged MW25, MW26, MW28, MW29, MW30, MW33, PR7, V24, and 24! Purged each well at least 3 casing volumes using a vacuum Truck. Collected groundwater samples from each well for TPH-g, BTEX, and TPH-d analysis. Collected additional samples from MW25, MW26, MW28, and MW29 for 8010 analysis. Put the purgewater through the system with the O&M Technician onsite. A few drums are onsite around the treatment system. Took the groundwater samples to Airborne Express and mailed them to The Nestle Lab for analysis.

ETIC ENGINEERING

MONITORING WELL DATA FORM

Client: NESTLE

Date: 4-7-99

Project Number: TMNEST.3

Station Number: OAKLAND

Site Location:

Samplers: Chris Chatburn

MONITORING WELL NUMBER	ELEVATION TOP OF CASING	DEPTH TO WATER	DEPTH TO PRODUCT	ELEVATION TOP OF GROUNDWATER	APPARENT PRODUCT THICKNESS	STICK UP (+) DOWN (-)	DEPTH TO BOTTOM
mw25		5.87					19.62
mw26		5.70					25.00
mw28		6.41					25.20
mw29		5.66					23.05
mw30		7.63					20.80
mw33		6.95					24.00
PR76		6.85					15.00
V24		6.42					10.11
241		6.62					14.90

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: MW25 Date 4-7.99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	>6			
	19.42		5.87		13.75		0.16	0.64	1.44	8.8		3x8.4

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 4.5 gpm

Time	851	853	855	857			
Volume Purges (gal)	0	9	18	27			
Temperature (°C)	14.3	14.4	14.5	14.4			
pH	6.51	6.41	6.45	6.54			
Specific Conductivity (umhos)	954	985	1051	1067			
Turbidity / Color	low clear	low clear	low clear	low clear			
Odor	N	N	N	N			
Casing Volumes Removed	0	1.02	2.04	3.06			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 902 Approx. Depth to Water During Sampling: 6 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW25	3	VOA	HCl	40mL	low	clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	
↓	3	VOA	HCl	40mL	↓	↓	Y	8010	

Total Purge Volume: 27 gallons Disposal/Containment Method: System

Weather Conditions: Cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: MW26 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter			Casing Volume (gal)		Total Req'd Purge Volume (gal)
WELL VOLUME CALCULATION		−		=		X	2	(4)	6		=	
	25.00		5.70		19.3		0.16	0.64	1.44	12.35		37.06

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 4-4.3 gpm

Time	907	910	913	917			
Volume Purges (gal)	0	13	26	38			
Temperature (°C)	14.7	14.5	15.0	15.0			
pH	6.75	6.74	6.75	6.75			
Specific Conductivity (umhos)	832	803	815	815			
Turbidity / Color	low / clear	low / clear	low / clear	low / clear	/	/	/
Odor	N	N	N	N			
Casing Volumes Removed	0	1.05	2.1	3.07			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 925 Approx. Depth to Water During Sampling: 6 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW26	3	VOA	HCl	40mL	low	clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	
↓	3	VOA	HCl	40mL	↓	↓	Y	8010	

Total Purge Volume: 38 gallons Disposal/Containment Method: System

Weather Conditions: CLOUDY

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: MW28 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			=	Casing Volume (gal)	Total Req'd Purge Volume (gal)
							2	(4)	6			
	25.20		6.41		18.79		0.16	0.64	1.44		12.03	36.09

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 4-4.3 gpm

Time	816	819	822	825			
Volume Purges (gal)	0	12	24	37			
Temperature (°C)	14.5	15.4	16.4	16.3			
pH	7.02	6.81	6.73	6.72			
Specific Conductivity (umhos)	737	733	740	735			
Turbidity / Color	med / clear	med / clear	low / clear	med / clear			
Odor	N	N	N	N			
Casing Volumes Removed	0	0.99	1.99	3.08			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 830 Approx. Depth to Water During Sampling: 7 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW28	3	VOA	HCl	40mL	low	clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	
↓	3	VOA	HCl	40mL	↓	↓	Y	8010	

Total Purge Volume: 37 gallons Disposal/Containment Method: System

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: MW29 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	23.05		5.66		17.39		0.16	0.64	1.44	11.13		33.39

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 3.3-4 gpm

Time	835	836	839	842			
Volume Purges (gal)	0	12	24	34			
Temperature (°C)	15.7	15.6	15.6	15.6			
pH	6.72	6.74	6.72	6.71			
Specific Conductivity (umhos)	577	578	577	576			
Turbidity / Color	Med / clear	low / clear	low / clear	low / clear	/	/	/
Odor	N	N	N	N			
Casing Volumes Removed	0	1.08	2.15	3.06			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 847 Approx. Depth to Water During Sampling: 6 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW29	3	VOA	HCl	40mL	low	clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	
↓	3	VOA	HCl	40mL	↓	↓	Y	8010	

Total Purge Volume: 34 gallons Disposal/Containment Method: System

Weather Conditions: Cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: MW30 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							2	(4)	6			
	20.80		7.63		13.17		0.16	0.64	1.44	8.43		25.27

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 4-4.5 gpm

Time	1103	1105	1107	1109			
Volume Purges (gal)	0	9	18	26			
Temperature (°C)	13.2	13.6	13.7	14.1			
pH	6.91	6.85	6.82	6.82			
Specific Conductivity (umhos)	508	469	475	469			
Turbidity / Color	med / Clear	med / Clear	low / Clear	low / Clear	/	/	/
Odor	N	N	N	N			
Casing Volumes Removed	0	1.06	2.13	3.08			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 1115 Approx. Depth to Water During Sampling: 8 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW30	3	VOA	HCl	40mL	low	Clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	

Total Purge Volume: 26 gallons Disposal/Containment Method: System

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) missing bolts

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING — **GROUNDWATER PURGE AND SAMPLE FORM**

Project Name: NESTLE Well No: MW33 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			=	Casing Volume (gal)	Total Req'd Purge Volume (gal)
							2	(4)	6			
	24.00		6.95		17.05		0.16	0.64	1.44		10.9	32.7

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 4.35 gpm

Time	1035	1037	1039	1041			
Volume Purges (gal)	0	10	20	33			
Temperature (°C)	14.5	15.8	17.0	17.3			
pH	6.71	6.70	6.72	6.75			
Specific Conductivity (umhos)	492	485	537	543			
Turbidity / Color	Med / Cloudy	med / Clear	med / Cloudy	med / Cloudy			
Odor	N	N	N	N			
Casing Volumes Removed	0	.91	1.8	3.02			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA Time Sampled: 1046 Approx. Depth to Water During Sampling: _____ FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
MW33	3	VOA	HCl	40mL	Med	Clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	

Total Purge Volume: 33 gallons Disposal/Containment Method: System

Weather Conditions: Cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: PR76 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							(2)	4	6			
	15.00		6.85		8.15		0.16	0.64	1.44	1.3		3.9

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 1-2 gpm

Time	1007	1008	1009	1010			
Volume Purges (gal)	0	1	3	4			
Temperature (°C)	11.4	10.9	10.9	11.0			
pH	6.86	6.86	6.85	6.84			
Specific Conductivity (umhos)	368	269	269	270			
Turbidity / Color	med cloudy	med cloudy	med cloudy	med cloudy			
Odor	N	N	N	N			
Casing Volumes Removed	0	.76	2.3	1.02			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 1015 Approx. Depth to Water During Sampling: 7 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
PR76	3	VOA	HCl	40mL	med	cloudy	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	

Total Purge Volume: 4 gallons Disposal/Containment Method: System

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) missing bolts

Problems Encountered During Purging and Sampling: no

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: V24 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

	Total Depth (feet)		Depth to Water (feet)		Water Column (feet)		Multiplier for Casing Diameter				Casing Volume (gal)		Total Req'd Purge Volume (gal)
WELL VOLUME CALCULATION		−		=		X	2	(4)	6			=	
	10.11		6.42		3.69		0.16	0.64	1.44		2.36		7.08

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 1 gpm

Time	1050	1052	1055				
Volume Purges (gal)	0	2	5				
Temperature (°C)	15.2	15.1	15.2				
pH	6.52	6.60	6.65				
Specific Conductivity (umhos)	1062	1145	1143				
Turbidity/Color	med cloudy	med cloud	med cloudy				
Odor	N	N	N				
Casing Volumes Removed	0	.84	2.1				
Dewatered?	N	N	Y				

Comments/Observations: _____

SAMPLING DATA

Time Sampled: 1035 Approx. Depth to Water During Sampling: 7 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
V24	3	VOA	HCl	40mL	med	clear	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	

Total Purge Volume: 8 gallons Disposal/Containment Method: System

Weather Conditions: Cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) NO

Problems Encountered During Purging and Sampling: NO

Comments: _____

ETIC ENGINEERING

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: NESTLE Well No: 241 Date 4-7-99

Project No: TMNEST.3 Personnel: Chris Chatburn

GAUGING DATA

Water Level Measuring Method: Interface Probe Measuring Point Description: TOC

WELL VOLUME CALCULATION	Total Depth (feet)	−	Depth to Water (feet)	=	Water Column (feet)	X	Multiplier for Casing Diameter			Casing Volume (gal)	=	Total Req'd Purge Volume (gal)
							(2)	4	6			
	14.90		6.62		8.28		0.16	0.64	1.44	1.3		3.9

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: Screen Purge Rate: 1-2 gpm

Time	1020	1021	1022	1023			
Volume Purges (gal)	0	1	3	4			
Temperature (°C)	12.9	13.8	13.9	13.7			
pH	6.85	6.82	6.85	6.81			
Specific Conductivity (umhos)	248	249	249	247			
Turbidity / Color	med cloudy	med cloudy	med cloudy	med cloudy			
Odor	N	N	N	N			
Casing Volumes Removed	0	.76	2.3	3.07			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 1028 Approx. Depth to Water During Sampling: 7 FT.

Comments: _____

Sample Number	Number of Containers	Container Type	Preservative	Volume Filled (mL or L)	Turbidity	Color	Shipped Under Chain of Custody at 4°C (Y/N)	Analysis Method	Comments
241	3	VOA	HCl	40mL	med	cloudy	Y	TPHg BTEX	
↓	1	amber	NONE	1L	↓	↓	Y	TPHd	

Total Purge Volume: 4 gallons Disposal/Containment Method: System

Weather Conditions: cloudy

Condition of Well Box and Casing at Time of Sampling: OK

Well Head Conditions Requiring Correction (locks, damaged casing or well box, etc.) missing bolts

Problems Encountered During Purging and Sampling: no

Comments: _____

Appendix B

Laboratory Analytical Reports

Nestlé USA

P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017 6516

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

Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Date Sampled: 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225430
Lab#: 99FEB8131-01

Sample Description: Water - Oakland, CA
Sample ID: MW?
2/5/99 12:02
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	0.43	mg/L	0.15	CA-Luft	2/19/1999

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.
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John Heuser
Chemist

Nestlé USA

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: W-210
2/5/99 12:20
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225431
Lab#: 99FEB8131-02

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	0.96	mg/L	0.15	CA-Luft	2/19/1999

ND : Not Detected

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Sample condition upon receipt: Good

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John Heuser
Chemist

Nestlé USA

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: W-94
2/5/99 12:34
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225432
Lab#: 99FEB8131-03

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	0.17	mg/L	0.15	CA-Luft	2/19/1999

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.
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John Heuser
Chemist

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Laboratory Report

Nestlé

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-15
2/5/99 12:48
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225434
Lab#: 99FEB8131-04

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	0.43	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0 5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-15
2/5/99 12:48
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225434
Lab#: 99FEB8131-04

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND - Not Detected.

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: V-46
2/5/99 13:00
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225435
Lab#: 99FEB8131-05

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	0.27	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: V-46
2/5/99 13:00
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225435
Lab#: 99FEB8131-05

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-11
2/5/99 13:46
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225436
Lab#: 99FEB8131-06

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999

ND : Not Detected.

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Sample Description: Water - Oakland, CA
Sample ID: W-81
2/5/99 13:55
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225437
Lab#: 99FEB8131-07

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Binayak Acharya
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Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: W-81
2/5/99 13:55
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225437
Lab#: 99FEB8131-07

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0 5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0 5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND · Not Detected.

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Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-12
2/5/99 15:15
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225438
Lab#: 99FEB8131-08

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-13
2/5/99 15:24
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225439
Lab#: 99FEB8131-09

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/10/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/10/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/10/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/10/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/10/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/10/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/10/1999
Methyl t-butyl ether	ND	µg/L	0 50	EPA 8020	2/10/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999

ND . Not Detected

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-5
2/5/99 15:33
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225440
Lab#: 99FEB8131-10

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/12/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/12/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0 5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0 5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-5
2/5/99 15:33
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225440
Lab#: 99FEB8131-10

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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6625 EITERMAN ROAD
DUBLIN, OH 43017 6516

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Laboratory Report

QUALITY ASSURANCE LABORATORY

. Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-29
2/5/99 15:58
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225441
Lab#: 99FEB8131-11

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/12/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Methyl t-butyl ether	8.50	µg/L	0.50	EPA 8020	2/12/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane		µg/L	0.5	EPA 8010	2/9/1999
Chloromethane		µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0 5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0 5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0 5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	68	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225441
Lab#: 99FEB8131-11

Sample Description: Water - Oakland, CA
Sample ID: MW-29
2/5/99 15:58
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0 5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND Not Detected.

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Sample condition upon receipt: Good.
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Glendale, CA 91203

cc: Doug Oram - ETIC

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225442
Lab#: 99FEB8131-12

Sample Description: Water - Oakland, CA
Sample ID: MW-28
2/5/99 16:21
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/12/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Methyl t-butyl ether	5.00	µg/L	0.50	EPA 8020	2/12/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	0.9	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	N	µg/L	0 5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	32	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	29	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-28
2/5/99 16:21
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225442
Lab#: 99FEB8131-12

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND - Not Detected.

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Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-25
2/5/99 16:48
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225443
Lab#: 99FEB8131-13

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/12/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Methyl t-butyl ether	28.0	µg/L	0 50	EPA 8020	2/12/1999
Diesel Range Organics	0.34	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0 5	EPA 8010	2/9/1999
Chloromethane		µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	0.9	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene		µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	28	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0 5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	59	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-25
2/5/99 16:48
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225443
Lab#: 99FEB8131-13

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-26
2/5/99 17:30
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225444
Lab#: 99FEB8131-14

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	0.23	mg/L	0.05	CA-Luft	2/12/1999
Benzene	20.0	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	0.60	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	0.80	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	0.80	µg/L	0.50	EPA 8020	2/12/1999
Methyl t-butyl ether	29.0	µg/L	0.50	EPA 8020	2/12/1999
Diesel Range Organics	0.23	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	10	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	51	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225444
Lab#: 99FEB8131-14

Sample Description: Water - Oakland, CA
Sample ID: MW-26
2/5/99 17:30
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: MW-27
2/5/99 17:42
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225445
Lab#: 99FEB8131-15

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/12/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/12/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/12/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/12/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/12/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/12/1999
Total Xylene	ND	µg/L	0 50	EPA 8020	2/12/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/12/1999
Diesel Range Organics	ND	mg/L	0.15	CA-Luft	2/19/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	0.7	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225445
Lab#: 99FEB8131-15

Sample Description: Water - Oakland, CA
Sample ID: MW-27
2/5/99 17:42
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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Sample condition upon receipt: Good.
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John Heuser
Chemist

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225447
Lab#: 99FEB8131-17

Sample Description: Water - Oakland, CA
Sample ID: Trip Blank
2/5/99
PO/Ref/Disp#: Proj#99310-05

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	2/9/1999
Benzene	ND	µg/L	0.50	EPA 8020	2/9/1999
Toluene	ND	µg/L	0.50	EPA 8020	2/9/1999
Ethylbenzene	ND	µg/L	0.50	EPA 8020	2/9/1999
m&p Xylenes	ND	µg/L	0.50	EPA 8020	2/9/1999
o-Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Total Xylene	ND	µg/L	0.50	EPA 8020	2/9/1999
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	2/9/1999
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Vinyl chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromomethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Methylene Chloride	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Chloroform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Trichloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999

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Laboratory Report

QUALITY ASSURANCE LABORATORY

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC

Sample Description: Water - Oakland, CA
Sample ID: Trip Blank
2/5/99
PO/Ref/Disp#: Proj#99310-05

Date Sampled 2/5/1999
Date Received: 2/9/1999
Date Reported: 2/19/1999
Report Number: 225447
Lab#: 99FEB8131-17

Test	Result	Units	DetLim	Method	Analysis Date
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	2/9/1999
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	2/9/1999
Bromoform	ND	µg/L	0.5	EPA 8010	2/9/1999
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	2/9/1999
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
Chlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	2/9/1999

ND : Not Detected.

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Sample condition upon receipt: Good
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John Heuser
Chemist

NQAL ENVIRONMENTAL CHAIN OF CUSTODY FORM

Nestlé USA Quality Assurance Laboratory - Confidential
6625 Eiterman Road, Dublin, OH 43017

Client Information - Billing

Company Name: NESTLE
Address: OAKLAND CA.
Submitter: WALTER LUECKE
Phone #: 209-524-6564
Fax #:
Send Reports To: MR DOUG ORAM

FEB 9 1999

Facility Information - If different from Client

Company Name: ETIC
Address: 3275 STEVENS CREEK BLVD. SUITE 315
Submitter: SAN JOSE, CA. 95117
Phone #: 408-244-7202
Fax #: 408-244 7277
PROJECT: 99310-05

NQAL # 9931	Sample ID	Matrix (s=soil, w=water)	Preservation (water only) # of Containers	Date/Time of Sampling 2-5-99	TPHG	BTEX	TPHD	8010						Remarks/Requests
8131-01	MW?	W	5	12:02	X	X	X	-						
2	W-210	W	5	12:20	X	X	X	-						1 Brokenvial
3	W-94	W	8	12:34	X	X	X	-						
4	MW-15	W	8	12:48	X	X	X	X						1 Brokenvial
5	V-46	W	8	13:00	X	X	X	X						
6	MW-11	W	5	13:46	X	X	X	-						
7	W-81	W	8	13:55	X	X	X	X						
8	MW-12	W	5	15:15	X	X	X	-						
9	MW-13	W	5	15:24	X	X	X	-						
10	MW-5	W	8	15:33	X	X	X	X						

Relinquished by:	Date/Time:	Accepted by: Nancy Cougill	Date/Time: 2/9/99 9:15AM	Temperature: 9.4 °C
Relinquished by:	Date/Time:	Accepted by:	Date/Time:	Broken Bottles:

Remarks: QUESTIONS! CALL MR DOUG ORAM @ 925 930-6634

Turnaround time information: Urgent (10 working days or less) ☐ Routine (11 working days and up) ☒

n:\Frank\COC-NEW XLS

12/22/97

NQAL ENVIRONMENTAL CHAIN OF CUSTODY FORM

2 - of - 2

Nestlé USA Quality Assurance Laboratory - Confidential
6625 Eiterman Road, Dublin, OH 43017

Client Information - Billing

Company Name: NESTLE
Address: OAKLAND, CA.
Submitter: WALTER LUBCKE.
Phone #: 209-524-6564
Fax #:
Send Reports To: MR DOUG ORAM.

RECEIVED FEB 3 1999 NQAL

Facility Information - If different from Client

Company Name: EFIC
Address: 3275 STEVENS CREEK BLVD. SUITE 315
Submitter: SAN JOSE, CA 95117
Phone #: 408-244-7202
Fax #: 408-244-7277
PROJECT: 99310-05

99file

NQAL #	Sample ID	Matrix (s=soil, w=water)	# of Containers	Preservation (water only) Date/Time of Sampling 2-5-99	TPH-G	BTEX	TPH-D	8010	Remarks/Requests
8131-11	MW-29	w	8	15:58	X	X	X	X	
12	MW-28	w	8	16:21	X	X	X	X	1 Broken Bottle
13	MW-25	w	8	16:48	X	X	X	X	1 Broken Bottle
14	MW-26	w	8	17:30	X	X	X	X	1 Broken Bottle
15	MW-27	w	8	17:42	X	X	X	X	2 Broken Vials
16	MW-26 (DUP)		8	17:30	X	X	X	X	
17	Trip Blank		2	nc 2/9/99	X	X		X	

per J. Maddux 2/9/99 NC

Relinquished by: [signature] Date/Time: Accepted by: Nancy Conniglie Date/Time: 2/9/99 915 Temperature: 9.4 °C

Relinquished by: Date/Time: Accepted by: Date/Time:

Remarks:

Broken Bottles: MW-28 MW-27 2 broken vials MW-26 MW-27 1 broken vial MW-94-1 Broken Vial

Turnaround time information: Urgent (10 working days or less) Routine (11 working days and up) X

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12/22/97

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW25
4-7-99/9:02
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229850
Lab#: 99APR8179-01

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/20/99
Toluene	ND	µg/L	0.50	EPA 8020	4/20/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/20/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/20/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Methyl t-butyl ether	27.0	µg/L	0.50	EPA 8020	4/20/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Vinyl chloride	ND	µg/L	0.5	EPA 8010	4/12/99
Bromomethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethene	1.6	µg/L	0.5	EPA 8010	4/12/99
Methylene Chloride	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethane	27	µg/L	0.5	EPA 8010	4/12/99
Chloroform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloroethane	72	µg/L	0.5	EPA 8010	4/12/99
Trichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	4/12/99

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW25
4-7-99/9:02
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229850
Lab#: 99APR8179-01

Test	Result	Units	DetLim	Method	Analysis Date
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromoform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
Chlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99

ND : Not Detected.

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Chemist

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW26
4-7-99/9:25
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229851
Lab#: 99APR8179-02

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	0.08	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/20/99
Toluene	ND	µg/L	0.50	EPA 8020	4/20/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/20/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/20/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Methyl t-butyl ether	25.0	µg/L	0.50	EPA 8020	4/20/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Vinyl chloride	ND	µg/L	0.5	EPA 8010	4/12/99
Bromomethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
Methylene Chloride	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethane	15	µg/L	0.5	EPA 8010	4/12/99
Chloroform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloroethane	54	µg/L	0.5	EPA 8010	4/12/99
Trichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	4/12/99

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW26
4-7-99/9:25
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229851
Lab#: 99APR8179-02

Test	Result	Units	DetLim	Method	Analysis Date
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromoform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
Chlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW28
4-7-99/8:30
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229852
Lab#: 99APR8179-03

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	4.50	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Vinyl chloride	ND	µg/L	0.5	EPA 8010	4/12/99
Bromomethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
Methylene Chloride	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloroform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloroethane	62	µg/L	0.5	EPA 8010	4/12/99
Trichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	4/12/99

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW28
4-7-99/8:30
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229852
Lab#: 99APR8179-03

Test	Result	Units	DetLim	Method	Analysis Date
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromoform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
Chlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99

ND : Not Detected.

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Chemist

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FAX (614) 526-5353

Nestlé

QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW29
4-7-99/8:47
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229853
Lab#: 99APR8179-04

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	4.90	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99
Dichlorodifluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Vinyl chloride	ND	µg/L	0.5	EPA 8010	4/12/99
Bromomethane	ND	µg/L	0.5	EPA 8010	4/12/99
Chloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Trichlorofluoromethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethene	1.4	µg/L	0.5	EPA 8010	4/12/99
Methylene Chloride	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
cis 1,2-Dichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1-Dichloroethane	30	µg/L	0.5	EPA 8010	4/12/99
Chloroform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,1-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Carbon Tetrachloride	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloroethane	38	µg/L	0.5	EPA 8010	4/12/99
Trichloroethene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichloropropane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromodichloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
c 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
t 1,3-Dichloropropene	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2-Trichloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
Tetrachloroethene	ND	µg/L	0.5	EPA 8010	4/12/99

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Laboratory Report

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Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW29
4-7-99/8:47
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229853
Lab#: 99APR8179-04

Test	Result	Units	DetLim	Method	Analysis Date
Dibromochloromethane	ND	µg/L	0.5	EPA 8010	4/12/99
Bromoform	ND	µg/L	0.5	EPA 8010	4/12/99
1,1,2,2-Tetrachloroethane	ND	µg/L	0.5	EPA 8010	4/12/99
1,3-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,4-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
1,2-Dichlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99
Chlorobenzene	ND	µg/L	0.5	EPA 8010	4/12/99

ND : Not Detected.

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Sample condition upon receipt: Good.
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John Heuser
Chemist

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Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW30
4-7-99/11:15
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229854
Lab#: 99APR8179-05

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203
cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: MW33
4-7-99/10:46
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229855
Lab#: 99APR8179-06

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	0.60	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	0.90	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: V24
4-7-99/11:35
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229856
Lab#: 99APR8179-07

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	0.12	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	0.50	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: PR76
4-7-99/10:15
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229857
Lab#: 99APR8179-08

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/21/99
Toluene	ND	µg/L	0.50	EPA 8020	4/21/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/21/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/21/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/21/99
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	4/21/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99

ND : Not Detected.

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Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: 241
4-7-99/10:28
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229858
Lab#: 99APR8179-09

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/20/99
Toluene	ND	µg/L	0.50	EPA 8020	4/20/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/20/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/20/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	4/20/99
Diesel Range Organics	ND	mg/L	0.25	CA-Luft	4/22/99

ND : Not Detected.

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QUALITY ASSURANCE LABORATORY

Laboratory Report

Binayak Acharya
Nestlé USA - Environmental Group
Glendale, CA 91203

cc: Doug Oram - ETIC Engineering

Sample Description: Water - Oakland,CA
Sample ID: TB
4-7-99/None
PO/Ref/Disp#: TMNEST.3

Date Sampled 4/7/99
Date Received: 4/8/99
Date Reported: 4/29/99
Report Number: 229859
Lab#: 99APR8179-10

Test	Result	Units	DetLim	Method	Analysis Date
Gasoline Range Organics	ND	mg/L	0.05	CA-Luft	4/20/99
Benzene	ND	µg/L	0.50	EPA 8020	4/20/99
Toluene	ND	µg/L	0.50	EPA 8020	4/20/99
Ethylbenzene	ND	µg/L	0.50	EPA 8020	4/20/99
m&p Xylenes	ND	µg/L	0.50	EPA 8020	4/20/99
o-Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Total Xylene	ND	µg/L	0.50	EPA 8020	4/20/99
Methyl t-butyl ether	ND	µg/L	0.50	EPA 8020	4/20/99

ND : Not Detected.

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John Heuser
Chemist

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

404 N. Wiget Lane • Walnut Creek, CA 94598 • (925) 988-9600 FAX (925) 988-9673
1455 McDowell Blvd. North, Suite D • Petaluma, CA 94954 • (707) 792-1865 FAX (707) 792-0342
1551 Industrial Road • San Carlos, CA 94070 • (650) 232-9600 FAX (650) 232-9612

Company Name: ETIC Engineering Inc.	Project Name: NESTLE - OAKLAND FACILITY
Mailing Address: 144 Mayhew Way	Billing Address (if different):
City: Walnut Creek State: Ca. Zip Code: 94596	
Telephone: 925-977-7914 FAX #: 925-977-7915	P.O. #: TMNEST. 3
Report To: Doug Oram Sampler: Chris Chatham	QC Data: ☐ Level II (Standard) ☐ Chromatograms ☐ Level III ☐ Level IV

Turnaround Time: ☒ Standard 10–15 Working Days ☐ 7 Working Days ☐ 5 Working Days ☐ 3 Working Days ☐ 2 Working Days ☐ 1 Working Day ☐ ASAP

☐ Drinking Water ☐ Waste Water ☐ Other

Analyses Requested

Client Sample I.D.	Date/Time Sampled	Matrix Desc.	# of Cont.	Cont. Type	Sequoia's Sample #	TPHg BTEX	TPH-D	8010							Comments 99APR
1. MW25	4-7-99/902	water	6/1	VOA/amber		X	X	X							8179-01
2. MW26	925					X	X	X							2
3. MW28	830					X	X	X							3
4. MW29	847					X	X	X							4
5. MW30	1115		3/1			X	X								5
6. MW33	1046					X	X								6
7. V24	1135					X	X								7
8. PR76	1015					X	X								8
9. 241	1028					X	X								9
10. TB	↓ NONE	↓	2	VOA		X									HOLD UNTIL FURTHER NOTICED

Relinquished By: Chris Chatham	Date: 4-7-99	Time: 1620	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By Lab: Nancy Couzelis	Date: 4/8/99	Time: 9:15 AM

Samples Received in Good Condition? ☐ Yes ☐ No Samples on Ice? ☐ Yes ☐ No Method of Shipment

Page of

Pink - Client
Yellow - Sequoia
White - Sequoia

04/30/99 07:42 ☎510 793 5353 NESTLE QA LAB ☎015/033