EA Engineering, Science, and Technology

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6 June 1997

STID 3729

Jennifer Eberle
Hazardous Materials Specialist
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

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

Dear Ms. Eberle:

Attached is the Second Quarter Monitoring Report for the above-referenced site. If you have any questions I can be reached at (510) 283-7077.

Sincerely,

Douglas Oram
Project Manager

DEO/dh 60966.01.Q397

Enclosure
cc: Binayak Acharya, Nestle USA, Inc.

Second Quarter
1997 Monitoring Report
Nestle Facility
1310 14th Street
Oakland, California

Prepared for

Nestle USA, Inc.

Prepared by

EA Engineering, Science, and Technology

May 1997

60966.01.0008

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Second Quarter
1997 Monitoring Report
Nestle Facility
1310 14th Street
Oakland, California

Prepared for

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

Prepared by

EA Engineering, Science, and Technology
3468 Mt. Diablo Boulevard, Suite B-100
Lafayette, California 94549
(510) 283-7077

Douglas E. Oram, Ph.D.
Project Manager

6 June 97
Date

Mark C. Peterson, R.G. #5686
Senior Geologist

6/6/97
Date

May 1997

CONTENTS

SITE CONTACTS

Site Address:	1310 14th Street Oakland, California
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Consultant to Nestle USA, Inc.:	EA Engineering, Science, and Technology 3468 Mt. Diablo Boulevard, Suite B-100 Lafayette, California 94549 (510) 283-7077
EA Project Manager:	Douglas E. Oram
Regulatory Oversight:	Jennifer Eberle Alameda County Health Agency Division of Environmental Protection 1131 Harbor Bay Parkway, 2nd Floor Alameda, California 94502 (510) 567-6700

1. INTRODUCTION

Nestle USA, Inc. (Nestle) has retained EA Engineering, Science, and Technology (EA) to provide environmental services for the Nestle facility at 1310 14th Street, Oakland, California (Figure 1). EA has prepared this report of quarterly monitoring for the second quarter of 1997. Work performed during this quarter is summarized below.

Wells containing passive skimmers (PR34, PR61, and E0) and PR58 were monitored for the presence of non-aqueous phase liquid (NAPL) on a 1–2 week basis. NAPL was recovered from these wells if more than 0.05 feet was found in the well.

The depth to groundwater in selected wells was measured, and groundwater elevations were calculated. To monitor concentrations of dissolved hydrocarbons in groundwater, samples were collected and analyzed for petroleum hydrocarbons, methyl t-butyl ether (MTBE), and halogenated volatile organic compounds (HVOCs).

2. FIELD PROCEDURES

2.1 NAPL Gauging and Recovery

Wells containing passive skimmers (PR34, PR61, and E0) and PR58 (the skimmer in well PR58 was damaged and partially removed in December 1996) were monitored for the presence of NAPL on a 1–2 week basis. Skimmers were removed, checked, and emptied. Each well was then gauged with an interface probe. After gauging, a semi-rigid tube was inserted at the estimated NAPL level into each well that contained more than 0.05 feet of NAPL. The NAPL was collected with a peristaltic pump and the volume was recorded. The skimmers were then reinstalled.

2.2 Purging and Sampling of Groundwater

Before groundwater was sampled, at least 3 well casing volumes of water were removed from each well, using a dedicated 1-inch PVC pipe attached to a vacuum truck. The temperature, pH, and electrical conductance of the purged water were recorded at approximately each well casing volume as the 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. Groundwater samples were collected from each well with factory-cleaned disposable polyethylene bailers. The samples were poured into 40-mL glass VOA vials and 1-L glass amber jars and placed in an ice-filled cooler. A field-prepared sampling equipment rinse 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 Nestle Quality Assurance Laboratory (NQAL), where they were analyzed for gasoline-range organics (GRO) and diesel-range organics (DRO) by the California DOHS method described in the October 1989 LUFT Field Manual. Samples were also analyzed for benzene, toluene, ethylbenzene, and total xylenes (BTEX) and for MTBE by

EPA Method 8020 and for HVOCs by EPA Method 8010. The following sampling and analysis was performed:

Well	BTEX	TPH-g	TPH-d	MTBE	HVOCs
MW-3	X	X	X	X	X
MW-26	X	X	X	X	X
MW-28	X	X	X	X	X

3. SUMMARY OF RESULTS

3.1 NAPL Monitoring and Removal

Monitoring of the thickness of NAPL in wells is summarized in Table 1. Wells that have been monitored for NAPL since 6 December 1995 are shown in Figure 2. The cumulative amounts of NAPL bailed from all wells from 6 December 1995 to 2 May 1997 are shown in Table 2. Approximately 91 gallons of NAPL have been removed from wells at the site since 6 December 1995. The field documents for the NAPL measurements and recoveries for the second quarter are included as Appendix A.

3.2 Depth to Groundwater

On 15 April 1997, the depth to groundwater was measured in selected monitoring wells. Groundwater elevations ranged from 5.23 (MW-26) to 6.90 (MW-2) feet above mean sea level (Table 3). Groundwater elevations have increased an average of 0.7 feet since they were last measured on 16 January 1997. A groundwater elevation contour map for 15 April 1997 is shown in Figure 3. The direction of groundwater flow is toward the north-northwest, at a gradient of approximately 0.003 feet per foot. The groundwater elevation measurements from MW-26 and MW-27 appear to be higher than expected, compared to historical gradient data. The measurements may be errors and were not used in calculation of the gradient and contours. Field documentation is provided in Appendix A.

3.3 Analysis of Samples

3.3.1 Petroleum Hydrocarbons

Laboratory test results for GRO, DRO, BTEX, and MTBE analyses of groundwater samples collected on 15 April 1997 are reported in Table 4, along with the results of previous quarterly sampling events since March 1993. The laboratory analytical report for the sampling done on 15 April 1997 is included as Appendix B.

The concentrations of benzene and GRO in groundwater samples are shown in Figure 4. Benzene concentrations ranged from less than 0.5 $\mu g/L$ in the sample collected from MW-28 to

16,000 μg/L in the sample collected from MW-26. GRO concentrations in samples collected on 15 April ranged from 120 μg/L at MW-28 to 26,000 μg/L at MW-26.

An increase in BTEX and GRO concentrations was observed in samples collected from well MW-26 relative to the 16 January 1997 sampling event. There was a decrease in concentrations in well MW-28, and no significant change in BTEX and GRO concentrations in well MW-3.

MTBE was detected in samples at concentrations ranging from 6.9 μg/L (MW-3) to 40 μg/L (MW-26).

3.3.2 HVOCs

Laboratory test results for HVOC analyses of groundwater samples are summarized in Table 4. The laboratory analytical report for groundwater samples collected on 15 April 1997 is included as Appendix B.

The concentrations of chlorinated hydrocarbons detected in groundwater samples collected on 15 April 1997 are shown in Figure 4. Concentrations of 1,2-dichloroethane (1,2-DCA) ranged from 16 μg/L (MW-3) to 150 μg/L (MW-28).

4. REMEDIATION SYSTEM STATUS

A multiphase extraction system has been purchased and is being constructed offsite. A shop inspection of the equipment was scheduled for 27 May. The equipment should be delivered to the site within 2 weeks of the shop inspection.

The waste water discharge permit has been obtained from the East Bay Municipal Utility District (EBMUD) and went into effect on 1 May.

The air discharge permit, being obtained through the BAAQMD, is in process. Two additional sets of information have been requested by the BAAQMD. Additional information was provided to them on 25 April and 15 May. An informational brochure to the residents in the site vicinity should be ready within 2 weeks. A 30-day response period is required after the mailing date of the brochure. An additional 1–2 weeks will then be needed to issue the permit.

5. WORK PROPOSED FOR THE NEXT QUARTER

During the third quarter of 1997, wells MW-2, MW-3, MW-6, MW-25, MW-26, MW28, MW-29, MW30, and MW32 will be sampled and analyzed for BTEX, TPH-g, TPH-d, MTBE, and HVOCs.

Installation of the multiphase extraction system will begin at the site. Startup will begin when a BAAQMD permit to operate is issued.

Figures

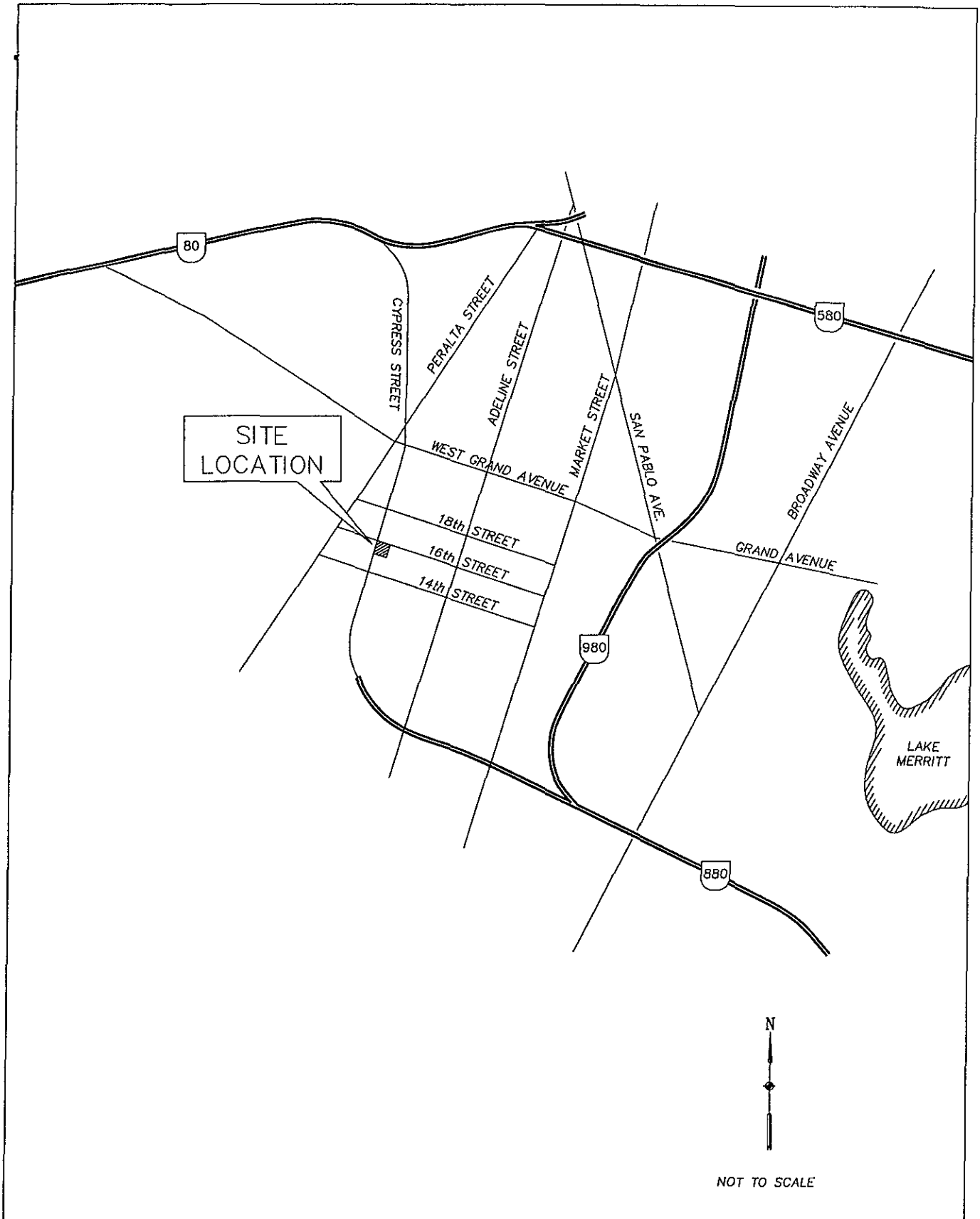

FIGURE 1.
SITE LOCATION MAP
NESTLE FACILITY, 1310 14th STREET,
OAKLAND, CALIFORNIA.

® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.	DATE
60966.01.0008	5/14/97
FILE NAME: LOCATION.DWG	REVIEWED BY: Joe Muehleck

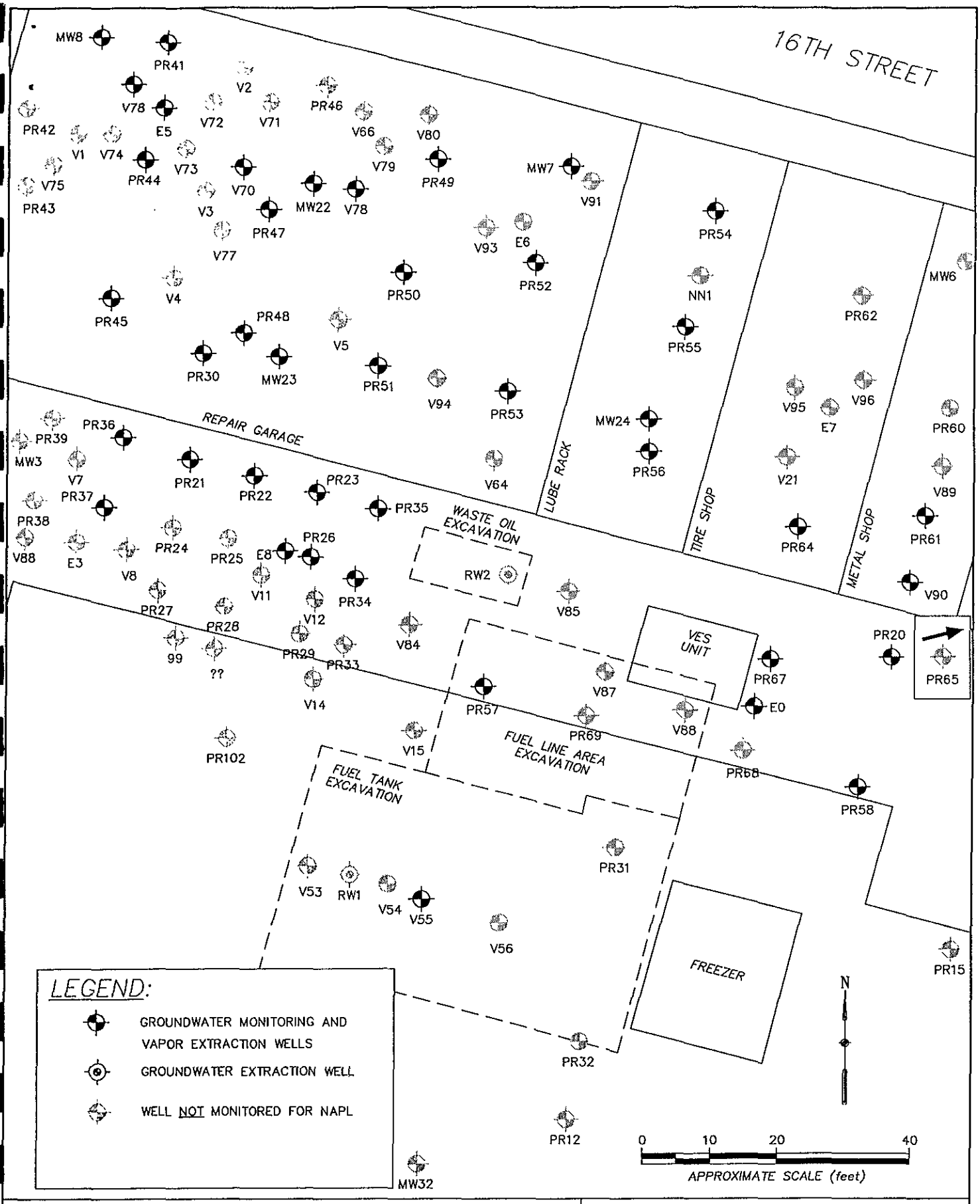

FIGURE 2.
LOCATION OF WELLS MONITORED FOR NAPL,
NESTLE FACILITY, OAKLAND, CALIFORNIA

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.:	DATE
60966.01.0008	5/14/97
FILE NAME: nestle5e.dwg	REVIEWED BY: Joe Muehleck

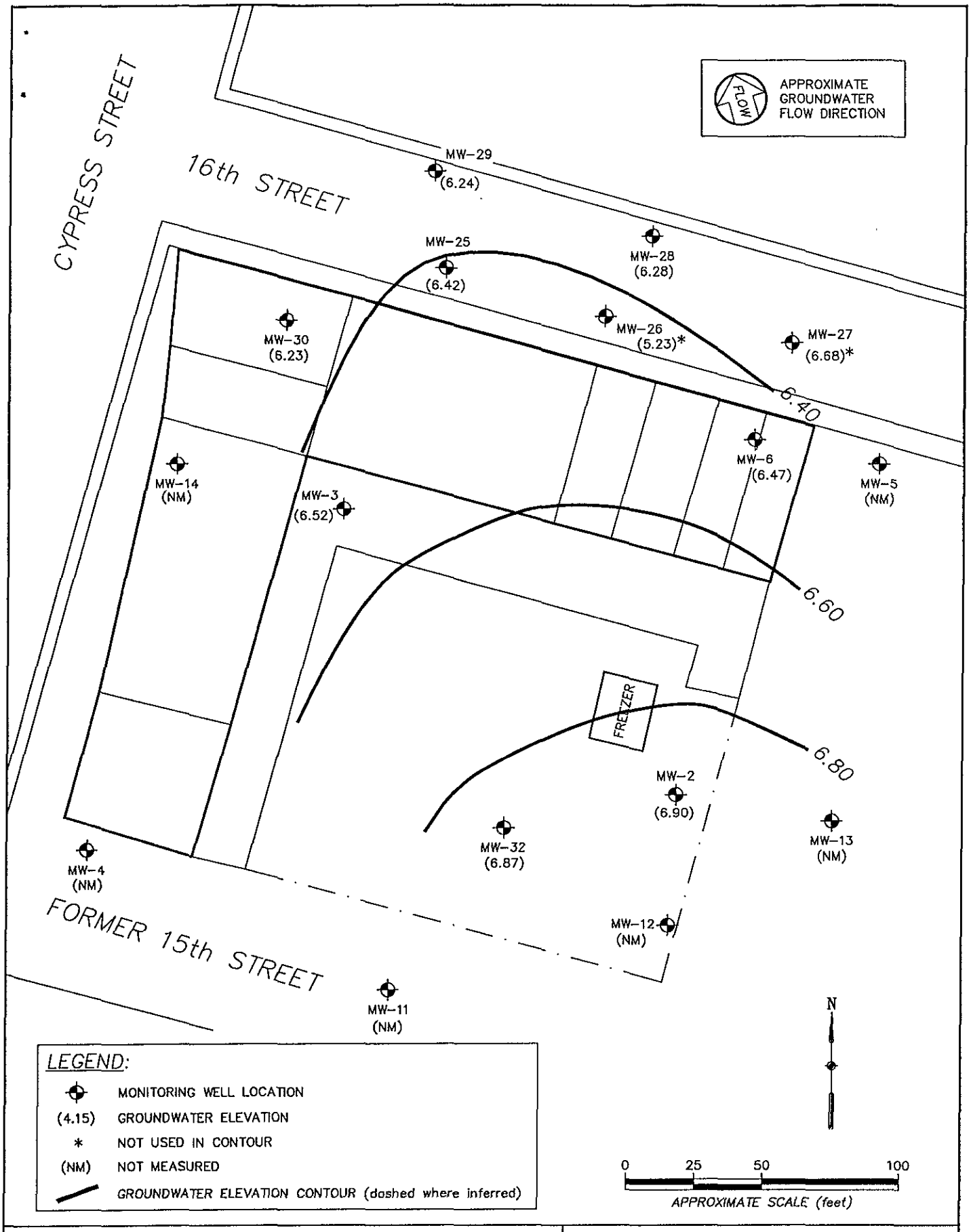

FIGURE 3.
GROUNDWATER ELEVATIONS IN WELLS SAMPLED FOR DISSOLVED HYDROCARBONS, NESTLE FACILITY, OAKLAND, CALIFORNIA, 15 APRIL 1997.

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.:	DATE
60966.01.0008	5/14/97
FILE NAME: gw597.dwg	REVIEWED BY: JOE MUEHLECK

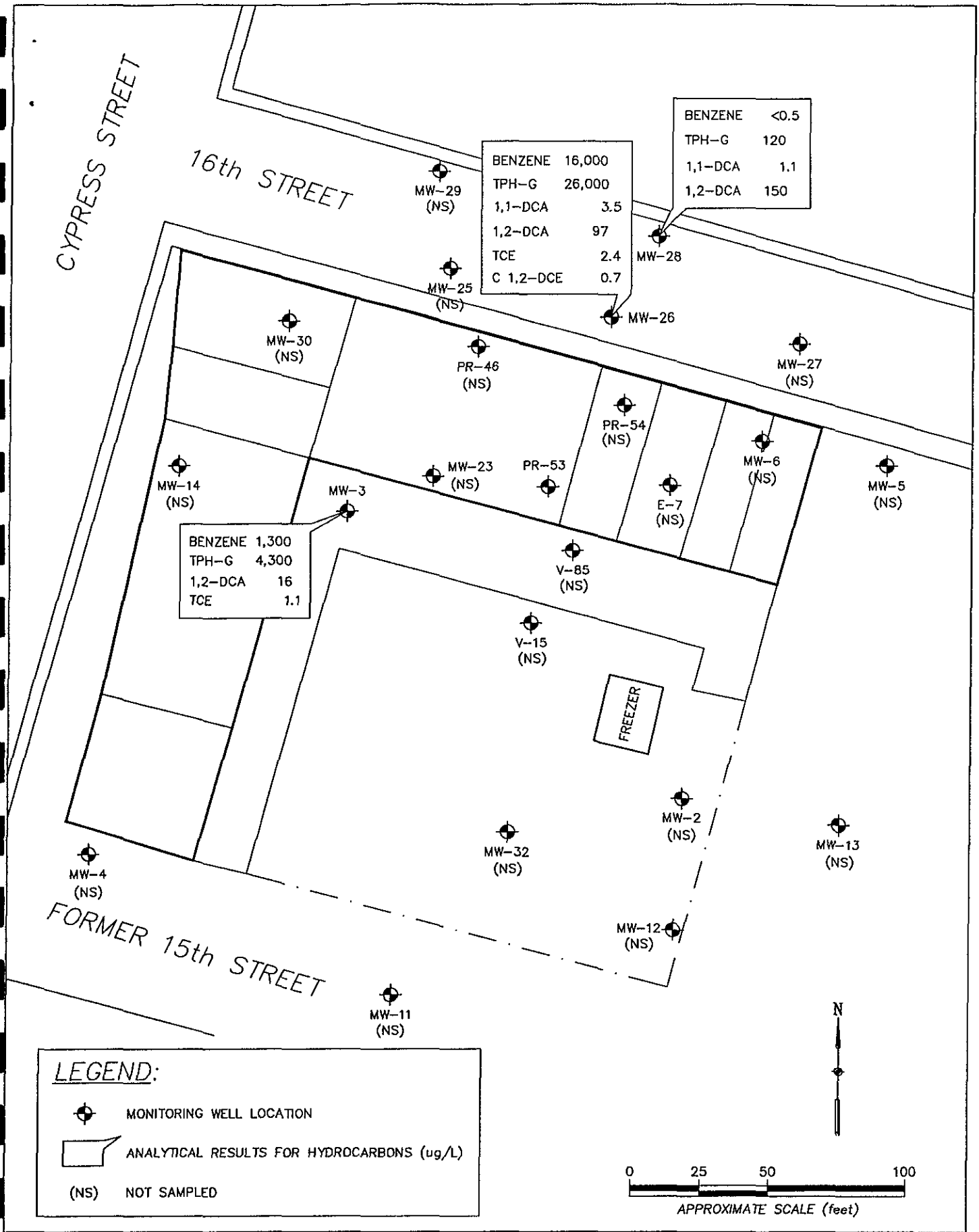

FIGURE 4.
GROUNDWATER SAMPLING ANALYTICAL RESULTS FOR BENZENE, GRO, AND HALOGENATED HYDROCARBONS (ug/L), NESTLE FACILITY, OAKLAND, CALIFORNIA, 15 APRIL 1997.

EA® EA ENGINEERING, SCIENCE, AND TECHNOLOGY

PROJECT NO.: 60966.01.0008	DATE: 5/14/97
FILE NAME: q597.dwg	REVIEWED BY: Joe Muehleck

Tables

TABLE 1997

Well	11/4/93	2/24/93	3/18/94	6/2/94	8/31/94	12/22/94	3/7/97	3/14/97	3/28/97	4/11/97	4/17/97	4/25/97	5/2/97
MW-7	0.79	1.14	2.82	0.26	0.01	0.04	--	--	--	--	--	--	--
MW-8	0.47	0.44	0.30	0.31	0.31	0.26	--	--	--	--	--	--	--
MW-22	1.83	1.54	>3.0	1.14	0.19	0.03	--	--	--	--	--	--	--
MW-23	1.21	0.07	1.40	1.79	0.68	0.41	--	--	--	--	--	--	--
MW-24	1.77	12.10	>3.0	0.97	0.39	<0.01	--	--	--	--	--	--	--
E-0	--	--	--	--	--	--	<0.01	<0.01	<0.01	<0.01	<0 01	<0.01	<0.01
E-1	--	--	--	--	--	--	--	--	--	--	--	--	--
E-5	--	--	--	--	--	--	--	--	--	--	--	--	--
E-6	--	--	--	--	--	--	--	--	--	--	--	--	--
E-8	--	--	--	--	--	--	--	--	--	--	--	--	--
PR-20	0.91	1.15	3.41	1.45	0.88	1.04	--	--	--	--	--	--	--
PR-21	0.63	--	2.76	1.39	0.42	2.01	--	--	--	--	--	--	--
PR-22	0.98	1.43	>3.0	0.90	0.47	0.04	--	--	--	--	--	--	--
PR-23	0.67	0.36	1.06	0.38	0.17	0.06	--	--	--	--	--	--	--
PR-24	--	--	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-26	0.6	0.54	2.05	0.39	0.17	<0 01	--	--	--	--	--	--	--
PR-27	--	<0.01	<0 01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-30	--	--	--	2.81	1.21	1.97	--	--	--	--	--	--	--
PR-34	0.66	1.17	2.81	1.07	0.37	2.45	1.15	1 23	0.65	1.31	0.8	1.06	0.7
PR-35	0.62	1.26	>3.0	1.70	0.12	0.13	--	--	--	--	--	--	--
PR-36	-	1.13	1.43	1.13	0.37	0.19	--	--	--	--	--	--	--
PR-37	0.41	1.29	2.35	0.96	0.14	0.22	--	--	--	--	--	--	--
PR-41	0.59	0.53	0.42	0.13	0.43	0.03	--	--	--	--	--	--	--
PR-44	0.24	0 22	0.19	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-45	0.17	5.27	0.10	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-47	0.75	0.41	sheen	<0.01	<0.01	0.01	--	--	--	--	--	--	--
PR-48	1.12	0.20	>3.0	0.83	0.07	1.43	--	--	--	--	--	--	--
PR-49	--	3.24	<0.01	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-50	1.08	1.58	0.89	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-51	--	6.57	>3.0	<0.01	0.72	2.02	--	--	--	--	--	--	--
PR-52	1.01	5.09	1.16	0.45	0.05	0.03	--	--	--	--	--	--	--
PR-53	1.15	3.01	>3.0	0.61	0.49	1.52	--	--	--	--	--	--	--
PR-54	0.97	0.99	1.20	<0.01	0.08	0 01	--	--	--	--	--	--	--
PR-55	1.48	0.07	1.31	0.87	<0.01	0.01	--	--	--	--	--	--	--
PR-56	0.90	1.30	--	0.89	0.15	1.48	--	--	--	--	--	--	--
PR-57	--	6.40	--	<0.01	<0.01	<0 01	--	--	--	--	--	--	--
PR-58	0.96	0.85	--	1.48	0.89	2.15	2.45	--	2.45	2.14	1.8	2.06	1.79
PR-60	--	<0.01	--	<0.01	<0.01	<0.01	--	--	--	--	--	--	--
PR-61	0.25	0.39	0.35	1.03	<0.01	0.01	0.55	0.77	0.02	0.17	0.33	0 42	0.27
PR-62	0.04	--	0.07	0.09	<0.01	<0.01	--	--	--	--	--	--	--
PR-64	1.49	0.11	>3.0	--	1.06	2.15	--	--	--	--	--	--	--
PR-65	0.04	0.02	0.09	0.08	<0.01	<0.01	--	--	--	--	--	--	--
PR-67	1.05	0.65	0.81	--	--	--	--	--	--	--	--	--	--
PR-70	--	--	1.59	--	--	--	--	--	--	--	--	--	--
V-8	--	--	--	--	--	--	--	--	--	--	--	--	--
V-55	--	--	--	--	--	--	--	--	--	--	--	--	--
V-77	--	--	--	--	--	--	--	--	--	--	--	--	--
V-78	--	--	--	--	--	--	--	--	--	--	--	--	--
V-90	--	1.41	--	0.94	0.16	1.68	--	--	--	--	--	--	--
V-94	--	--	--	--	--	--	--	--	--	--	--	--	--

-- Well not monitored.
* Well inaccessible.

TABLE 2 MAY 1997

Well	12/6 - 4/16	04/24/96	04/29/96	05/07/96	05/14/96	06/20/96	07/16/96	03/14/97	03/28/97	04/11/97	04/17/97	04/25/97	05/02/97	Total
E0	38		0.5			1	0.25	0	0	0	0	0	0	57.6
E5	19.9					0.2								20.1
MW7														0.8
MW8	0.7													0.7
MW22														0.5
MW23	2.35	0.5	0.25	0.38	0.38	0.75								7.5
MW24	0		1.5			1								8.8
PR20	1.9		13			5.75	5							37.7
PR21	16.9	3.25	1	1	1	4	3							32.6
PR22	8.6	0.75	0.75	0.75	1	3.5								21.7
PR23	0.25													0.5
PR26	1.25	0.25												1.6
PR34	10.9	1.25	0.25	0.63	0.5	2		2.2	0.75	1.5	0.5	1.25	0.75	31.4
PR35	1.6	0.75	0.13		0.25	0.5								4.5
PR36	0.5	0.25	0.13											0.9
PR37	1.8	0.25	0.13		0.13	0.5								3.6
PR47														0.5
PR48	3.4	1.25	1	1	0.75	3								13.8
PR53	0.65	0.5	0.5	0.25	0.25	0.75								4.4
PR58	10.4	1.25	1	1.2	1	2			2.5	1.5	1.25	1.5	1.5	36.2
PR61	6	0.75	0.5	0.2	0.63	1.5		1.5	0.25	0.75	0.25	0.55	0.25	19.0
PR64	8.5	3.5	2.5	3	2	2.75	3							40.5
PR67														0.5
Total (liters)	134	15	23	8	8	29	11	4	4	4	2	3	3	345
Total (gal)	35	4	6	2	2	8	3	1	1	1	1	1	1	91

a. The skimmer in PR58 was found broken 12/17/96. The part attac

TABLE 3 GAUGING DATA FOR MONITORING WELLS AT THE FORMER NESTLE FACILITY, OAKLAND, CALIFORNIA, 1994–1997

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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
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**
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**
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--

TABLE 3 (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-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
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.60	--	4.81
	03/12/96		--	6.46	--	7.95
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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**
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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

TABLE 3 (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	06/09/95	14.20	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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-9	06/02/94	14.96	--	9.46	--	5.50
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-10	02/24/94	15.73	--	9.59	--	6.14
	03/18/94		--	--	--	--
	06/02/94		--	10.17	--	5.56
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/18/95		--	9.29	--	5.26
	03/12/96		--	5.95	--	8.60
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-12	03/18/94	15.28	--	7.62	--	7.66
	12/18/95		--	10.03	--	5.25
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-13	02/24/94	14.85	--	8.94	--	5.91
	03/18/94		--	8.62	--	6.23

TABLE 3 (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-13	06/02/94	14.85	--	9.34	--	5.51
	08/31/94		--	10.15	--	4.70
	12/22/94		--	8.45	--	6.40
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.94	--	4.91
	12/18/95		--	9.60	--	5.25
	03/12/96		--	6.40	--	8.45
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-14	02/24/94	14.10	--	dry	--	--
	03/18/94		--	dry	--	--
	12/06/95		--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-15	12/06/95	14.17	--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
MW-16	12/06/95	14.11	--	dry	--	--
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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

TABLE 3 (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-23	06/02/94	14.48	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
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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
	12/06/95		10.39	10.39	--	4.28
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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**

TABLE 3 (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	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**
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
	12/22/94		--	--	--	--
	03/13/95		--	--	--	--
	06/09/95		--	--	--	--
	09/22/95		--	--	--	--
	12/12/95		--	9.30	--	4.74
	03/12/96					
	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**
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

TABLE 3 (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-28	01/16/97	13.45	--	6.50	--	6.95
	04/15/97		--	**7.17**	--	**6.28**
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
	12/12/95		--	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**
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**
MW-31	06/02/94	14.92	--	9.42	--	5.50
	06/21/96		--	--	--	--
	08/29/96		--	--	--	--
	01/16/97		--	--	--	--
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
	03/13/95		--	6.63	--	8.13
	06/09/95		--	7.94	--	6.82

TABLE 3 (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	09/22/95	14.76	--	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**

-- Product not present.

TABLE 4 CONCENTRATIONS (µg/L) OF ORGANIC COMPOUNDS IN GROUNDWATER SAMPLES, NESTLE FACILITY, OAKLAND, CALIFORNIA, 1993–1997

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-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	<0.5	0.7	<0.5	<0.5	--	
MW-3	03/23/93	35	2.9	2	3.2	300	ND	--	--	--	--	--	
	07/27/93	97	1	4	1.1	220	ND	--	--	--	--	--	
	11/05/93	4.9	ND	ND	1.2	170	ND	--	--	--	--	--	
	02/25/94	42	<1	<1	<1	100	<1,000	--	--	--	--	--	
	06/03/94	120	8.2	8.4	4.5	320	<20,000	--	--	--	--	--	
	08/31/94	83	1.1	5.3	2.9	<500	<500	--	--	--	--	--	
	12/22/94	1,460	18	100	50	3,800	270	--	--	--	--	--	
	03/13/95	3,600	260	270	280	14,000	1,700	--	--	--	--	--	
	06/09/95	4,700	58	140	71	3,700	120	--	--	--	--	--	
	09/21/95	9,800	58	600	95	14,000	300	--	--	--	--	--	
	12/12/95	330	2.1	47	5.3	700	<50	--	--	--	--	--	
	03/12/96	350	4.6	23	8.7	600	<50	--	--	--	--	--	
	06/21/96	940	76	98	57	1,900	<50	--	--	--	--	--	
	08/29/96	420	29	44	28	900	<150	--	--	--	--	--	
	01/16/97	1,600	270	120	194	3,600	700	9.2	<0.5	<0.5	<0.5	--	
	04/15/97	**1,300**	**300**	**180**	**160**	**4,300**	**800**	**16**	**<0.5**	**<0.5**	**1.1**	**6.9**	

TABLE 4 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	1,1,1-TCA	TCE	MTBE	Notes
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	6.3	<0.5	<0.5	<0.5	--	
MW-25	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	4.2	4.4	2.5	20	170	ND	--	--	--	--	--	
	02/25/94	2.1	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	2.4	14	<0.5	3.4	97	<20,000	--	--	--	--	--	
	08/31/94	0.5	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.58	<0.5	<0.5	<0.5	150	950	--	--	--	--	--	
	06/09/95	0.8	<0.5	<0.5	<0.5	<100	60	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	120	<50	--	--	--	--	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	<0.5	<0.5	<0.5	<0.5	90	<150	--	--	--	--	--	
	01/16/97	0.6	<0.5	<0.5	<0.5	80	<150	41	25	<0.5	<0.5	--	

TABLE 4 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	1,1,1-TCA	TCE	MTBE	Notes
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	140	ND	ND	ND	--	
	11/05/93	4,700	1,300	9	1,400	19,000	ND	120	ND	ND	ND	--	
	02/25/94	4,800	570	200	860	14,000	<1,000	28	<1	<1	<1	--	
	06/03/94	4,100	300	120	230	12,000	<20,000	140	1.7	<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	5.8	53	<0.5	<0.5	--	
	06/09/95	14,000	64	31	230	10,800	310	3.1	240	1	<0.5	--	
	09/21/95	1,900	160	160	330	8,000	200	120	1.3	<0.5	<0.5	--	
	12/12/95	13,000	38	36	120	25,000	0.6	180	1.4	<0.5	<0.5	--	b
	03/12/96	9,000	33	30	65	4,400	<50	180	<0.5	<0.5	<0.5	--	
	06/21/96	14,000	27	16	66	5,400	<50	170	3.2	<0.5	<0.5	--	
	08/29/96	8,500	26	28	74	19,000	<150	160	<0.5	<0.5	<0.5	--	
	01/16/97	6,500	21	31	47	4,600	--	>50	4.3	<0.5	<0.5	26	
	04/15/97	**16,000**	**33**	**40**	**160**	**26,000**	**2,200**	**97**	**3.5**	**<0.5**	**2.4**	**40**	e
MW-27	06/21/96	<0.5	<0.5	<0.5	<0.5	<50	<50	6.8	<0.5	<0.5	<0.5	--	
	08/29/96	--	--	--	--	--	--	--	--	--	--	--	
	01/16/97	12	5.0	<0.5	2.6	70	<150	5.7	<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	--	--	--	--	--	

TABLE 4 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-28	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	85	5.1	<0.5	<0.5	8.2	
	04/15/97	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**120**	**<150**	**150** ↑	**1.1**	**<0.5**	**<0.5**	**7.1**	
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	24	47	<0.5	<0.5	1.8	
MW-30	03/23/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	07/27/93	ND	ND	ND	ND	ND	ND	--	--	--	--	--	
	11/05/93	ND	ND	ND	2.8	ND	ND	--	--	--	--	--	
	02/25/94	1.3	<1	<1	<1	<100	<1,000	--	--	--	--	--	
	06/03/94	1.1	<0.5	<0.5	<0.5	<50	<20,000	--	--	--	--	--	
	08/31/94	0.8	<0.3	<0.3	<0.6	<500	<500	--	--	--	--	--	
	12/22/94	0.6	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	a
	03/13/95	0.98	<0.5	<0.5	<0.5	<50	<400	--	--	--	--	--	
	06/09/95	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	
	09/21/95	<0.5	<0.5	<0.5	<0.5	<50	<50	--	--	--	--	--	
	12/12/95	<0.5	<0.5	<0.5	<1.0	<100	<50	--	--	--	--	--	
	03/12/96	<0.5	<0.5	<0.5	<0.5	<100	<50	--	--	--	--	--	

TABLE 4 (continued)

Well No.	Date Sampled	Concentration (µg/L) Benzene	Toluene	Ethyl-benzene	Xylenes	TPH GRO	TPH DRO	1,2-DCA	1,1-DCA	1,1,1-TCA	TCE	MTBE	Notes
MW-30	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	--	
MW-32	03/23/93	391	6.2	3.1	9	440	ND	60	ND	ND	ND	--	
	07/27/93	ND	ND	ND	ND	ND	ND	14	ND	ND	ND	--	
	11/05/93	20	ND	1.8	2.1	170	ND	7.9	ND	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	11	<0.5	<0.5	<0.5	--	
	08/31/94	39	0.5	2.2	1.2	<500	<500	10	<4.0	<4.0	<4.0	--	
	12/22/94	4.8	<0.5	<0.5	<0.5	<50	<50	4.6	<2.0	<2.0	<2.0	--	a
	03/13/95	220	3.6	6.5	5.8	1,100	<400	16	<0.5	<0.5	<0.5	--	
	06/09/95	1,500	7.9	43	14	2,200	180	<0.5	0.7	0.5	<0.5	--	
	09/21/95	1,200	2.4	72	4.5	2,300	60	6.7	<0.5	<0.5	1.4	--	
	12/12/95	230	<0.5	8.9	<1.0	500	<50	28	<0.5	<0.5	<0.5	--	
	03/12/96	40	<0.5	1.7	<0.5	110	<50	6.8	<0.5	<0.5	<0.5	--	
	06/21/96	--	--	--	--	--	--	--	--	--	--	--	
	08/29/96	150	<0.5	49	<0.5	700	<150	27	<0.5	<0.5	<0.5	--	
	01/16/97	14	<0.5	1.9	<0.5	150	<150	10	<0.5	<0.5	0.7	--	f
Rinse Blank	**04/15/97**	**<0.5**	**0.6**	**<0.5**	**<0.5**	**<50**	**<150**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	
Trip Blank	**04/15/97**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**2.4**	**<0.5**	g

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. c 1,2-DCE detected, 1.5 µg/L. TCE and c 1,2-DCE suspected to be carryover from previous sample.

TABLE 4 (continued)

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

ND Not detected.
-- Not analyzed or not sampled.

TPH Total Petroleum Hydrocarbons.
GRO Gasoline-range organics.
DRO Diesel-range organics.
1,1-DCA 1,1-Dichloroethane.
1,2-DCA 1,2-Dichloroethane.
1,1,1-TCA 1,1,1-Trichloroethane.
c 1,2-DCE cis 1,2-Dichloroethylene.
TCE Trichloroethene.
MTBE Methyl t-butyl ether.

Appendix A

Field Documents

EA Engineering,
Science, and
Technology

FIELD SUMMARY REPORT

Client: HESTIC **Station No:** _____

EA Project No: 609601 **Task No:** 0006

Field Team: K Legge

Date: 2/17/97

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

Summary:

all skimmers were checked and Emptied. Remaining LPH was Purged From wells.
Decaned Equipment and left site.

4/4/07

LPH REMOVAL/PURGE FORM

Project Name: Hoste Well Number: PR58

Project Number: 60966-01 0006 Personnel: K L

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

	PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No. / Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
PR58 / 2"	6.48	8.88	2.4	—	9.20	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	Broken
Quantity of LPH Collected (Litre)	X
Quantity of H20 Collected (Litre)	X

Purging Data

Purge Time	2min					
LPH Removed (Litre)	1.5 L					
H20 Removed (Litre)	.5 L					
D.T.P.	—					
D.T.W.	9.20					
LPH Thickness	—					
LPH Discription	Dark Brown					

Total Litre's removed: 1.5 Litres

Disposal method: Tank Well tags, caps, locks in place: Caps

Condition of well box: OK

Comments:

6 17 97

LPH REMOVAL/PURGE FORM

Project Name: Hesse Well Number: PR61

Project Number: 609666.01.0006 Personnel: HL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product:	Depth to Water:	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
PR61	2"	7.55	7.89	.34	—	9.20	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1.0Z
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	1 min					
LPH Removed (Litre)	.5					
H20 Removed (Litre)	.5					
D.T.P.	~~7.55~~					
D.T.W.	9.20					
LPH Thickness	—					
LPH Discription	DARK BIO					

Total Litre's removed: .5 L

Disposal method: Tank Well tags, caps, locks in place: cap

Condition of well box: ok

Comments:

4/12/07

LPH REMOVAL/PURGE FORM

Project Name: Hestia Well Number: E-0

Project Number: 02966 01 0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
E-0	6"	—	7.20	—	—	—	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	yes
Quantity of LPH Collected (Litre)	0.0
Quantity of H20 Collected (Litre)	0.0

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: _____

Disposal method: _____ Well tags, caps, locks in place: _____

Condition of well box: _____

Comments: _____

LPH REMOVAL/PURGE FORM

Project Name: B. HESTIE Well Number: PR34

Project Number: 60966 01 0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR34	2"	7.36	8.03	.67	—	8.22	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	.5 L					
H20 Removed (Litre)	.5 L					
D.T.P.	—					
D.T.W.	8.22					
LPH Thickness	—					
LPH Discription	DARK					

Total Litre's removed: .5 L

Disposal method: Tank Well tags, caps, locks in place: Caps

Condition of well box: OK

Comments:

EA Engineering,
Science, and
Technology

FIELD SUMMARY REPORT

Client: NESTIE **Station No:** _____

EA Project No: 60966 01 0006 **Task No:** _____

Field Team: K Logue

Date: 2/28/97

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

Summary:

I arrived on site and attempted to remove broken skimmer from PR58. I used fish hooks of different sizes and shapes and could not remove skimmer.

I spoke with Ralph, and when HC does water sampling w/ Automated Environmental, They will attempt to remove the skimmers using the Vacuum Truck.

I emptied skimmers on site and purged remaining LPH.

K Logue

Date: 2/28/97

LPH REMOVAL/PURGE FORM

Project Name: HESTIE Well Number: E-O

Project Number: 609661 0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	6"	—	7.48	—	—	—	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	N/A					
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: N/A

Disposal method: N/A Well tags, caps, locks in place: Caps only

Condition of well box: OIL

Comments: N-

LPH REMOVAL/PURGE FORM

Date: 2/28/97

Project Name: NESTLE Well Number: PR 61

Project Number: 60966.01 (006) Personnel: HL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	7.65	8.25	.60	~~7.65~~	8.20	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/8 Litre
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	8.20					
LPH Thickness	—					
LPH Discription	Dark Brn					

Total Litre's removed: 1 1/4 Litre

Disposal method: Tank on site Well tags, caps, locks in place: Caps any

Condition of well box: Ok

Comments: nl

Date: 2/28/97

LPH REMOVAL/PURGE FORM

Project Name: NESTLE Well Number: PR-5B

Project Number: 60966.01-0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	6.49	8.70	2.21	—	9.62	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	NO
Quantity of LPH Collected	(Litre)	—
Quantity of H20 Collected	(Litre)	—

Purging Data

Purge Time	2 MIN					
LPH Removed (Litre)	1 1/2 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	—					
D.T.W.	9.62					
LPH Thickness	—					
LPH Discription	Dark Brn					

Total Litre's removed: 1 1/2 Litre

Disposal method: Tank Well tags, caps, locks in place: Caps only

Condition of well box: OK

Comments: NA

Date: 2/28/97

LPH REMOVAL/PURGE FORM

Project Name: Westte Well Number: PR34

Project Number: 60966 01 0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	2"	17.47	18.45	.98	—	19.25	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	1/4 Litre
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	3 min					
LPH Removed (Litre)	1 Litre					
H20 Removed (Litre)	1/2 Litre					
D.T.P.	—					
D.T.W.	19.25					
LPH Thickness	—					
LPH Discription	Dark/Brown					

Total Litre's removed: 1 1/4 Litre

Disposal method: Tank on site Well tags, caps, locks in place: Caps only

Condition of well box: OK ?

Comments: N—

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

FIELD SUMMARY REPORT

Client and Station #: Mestre

EA Project #: 60966 01 0006

Sample Team: K Logue

Date: 5/7/97

Number of Drums on Site: Water _____ Soil _____ Empty _____

Summary:

Wells were checked for the presence of LPH, skimmers were emptied, and remaining LPH purged.

KL

EA

LPH REMOVAL/PURGE FORM

Date: 3/7/97

Project Name: Nesse

Well Number: PR 58

Project Number: 60966 01 0006

Personnel: KC

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	6.40	8.85	2.45	—	9.85	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	3min					
LPH Removed (Litre)	2Litre					
H20 Removed (Litre)	1Litre					
D.T.P.	—					
D.T.W.	9.85					
LPH Thickness	—					
LPH Discription	Dark BIO					

Total Litre's removed: _____

Disposal method: Tank on site

Well tags, caps, locks in place: Caps only

Condition of well box: OK

Comments: Ne

EA

LPH REMOVAL/PURGE FORM

Date: 3/7/97

Project Name: Hess
Well Number: PR61
Project Number: 60966 01 0006
Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	7.55	8.10	.55	—	8.31	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	yes
Quantity of LPH Collected (Litre)	3 OZ LPH
Quantity of H20 Collected (Litre)	⊗

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/2 Litre					
H20 Removed (Litre)	1/2 Litre					
D.T.P.	—					
D.T.W.	8.31					
LPH Thickness	—					
LPH Discription	Dark Bio					

Total Litre's removed: _____

Disposal method: Tank on site
Well tags, caps, locks in place: Caps only

Condition of well box: OK

Comments: None

LPH REMOVAL/PURGE FORM

Date: 3/7/97

Project Name: Hessis Well Number: EO

Project Number: 60966 01 0006 Personnel: KL

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

		PRE-PURGE			FINAL POST-PURGE		
Monitoring Well No.	Diameter	Depth to Product	Depth to Water	LPH Thickness	Final Depth to Product	Final Depth to Water	LPH Thickness
	6"	—	7.10	—	—	—	—

Passive Skimmer Data

Skimmer In Well (Yes/No)	Yes
Quantity of LPH Collected (Litre)	0
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	N/A					
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: N/A

Disposal method: Tank on site Well tags, caps, locks in place: Caps only

Condition of well box: OK

Comments: None

Date: 3/7/97

LPH REMOVAL/PURGE FORM

Project Name: Hessle Well Number: PR34

Project Number: 609660 01 0006 Personnel: MC

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	2"	7.40	8.55	1.15	—	8.65	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/8 Litre
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	2min					
LPH Removed (Litre)	1 Litre					
H20 Removed (Litre)	1/2 Litre					
D.T.P.	—					
D.T.W.	8.65					
LPH Thickness	—					
LPH Discription	Dark Brn					

Total Litre's removed: _____

Disposal method: Tank on site Well tags, caps, locks in place: Caps only

Condition of well box: OK

Comments: None

EA ENGINEERING, SCIENCE, AND TECHNOLOGY

FIELD SUMMARY REPORT

Client and Station #: Nestle

EA Project #: 60966.01.0006

Sample Team: Ralph Boniello

Date: 3/14/97

Number of Drums on Site: Water _____ Soil _____ Empty _____

Summary:

Checked and emptied skimmers in wells EO, PR61, and PR34. Measurable product remained in wells PR61 and PR34. Purged product using a peristaltic pump in PR61 and PR34. Each well had to be purged twice as some product returned between purgings.

Product was placed in a drum on site.

Replaced skimmers before leaving

Date: 3/14/97

LPH REMOVAL/PURGE FORM

Project Name: Nestle Well Number: EO

Project Number: 609601.00006 Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
EO	4"	-	7.08	0.00			

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: 0

Disposal method: - Well tags, caps, locks in place: Yes

Condition of well box: OK

Comments:

Date: 3/14/97

LPH REMOVAL/PURGE FORM

Project Name: Nestle Well Number: PR61

Project Number: 609660 1.0006 Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR61	2"	7.47	8.24	0.77	–	7.87	0.00

Passive Skimmer Data

Skimmer In Well (Yes/No)	yes
Quantity of LPH Collected (Litre)	1/16 L
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	4 min	1 min				
LPH Removed (Litre)	1 1/4 L	1/8 L				
H20 Removed (Litre)	1/2 L	1/8 L				
D.T.P.	7.89	–				
D.T.W.	7.96	7.87				
LPH Thickness	0.08	0.00				
LPH Discription	medium brown	medium brown				

Total Litre's removed: 1 1/2 L

Disposal method: drum Well tags, caps, locks in place: yes

Condition of well box: OK

Comments:

Date: 3/14/97

LPH REMOVAL/PURGE FORM

- Project Name: Nestle
- Project Number: 60966.01.0006
- Well Number: PR34
- Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR34	2"	7.30	8.53	1.23	-	8.03	0.00

Passive Skimmer Data

Skimmer In Well (Yes/No)	yes
Quantity of LPH Collected (Litre)	1/5 L
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	4min	1 min				
LPH Removed (Litre)	1 3/4	1/4				
H20 Removed (Litre)	1/4	1/4				
D.T.P.	7.98	-				
D.T.W.	8.18	8.03				
LPH Thickness	0.2	0.0				
LPH Discription	dark brown	dark brown				

Total Litre's removed: 2 1/5 L

Disposal method: drum

Well tags, caps, locks in place: yes

Condition of well box: OK

Comments:

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client HESTIE Station No. _____

EA Project No. 6096601 Task No. 0006

Field Team K Leggett

Date 3/28/97

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

Summary:

Arrived on site, checked and Emptied passive Skimmers. Recorded Depths to Product and water. Purged remaining LPH from wells and gauged again.

Released Equipment and left site.

K Leggett

Date: 5/28/97

LPH REMOVAL/PURGE FORM

Project Name: WESTE Well Number: PR-5B

Project Number: 609660.0006 Personnel: KK

Gauging Data

Water Level Measuring Method: INTERFACE PROBE Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
		6.35	8.80	2.45	9.40	9.43	.03

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	NA
Quantity of H20 Collected (Litre)	NA

Purging Data

Purge Time	3.5 MIN					
LPH Removed (Litre)	2.5 L					
H20 Removed (Litre)	½ L					
D.T.P.	9.40					
D.T.W.	9.43					
LPH Thickness	.03					
LPH Discription	DARK BIO					

Total Litre's removed: 2.5 L LPH

Disposal method: POLY TANK Well tags, caps, locks in place: CAPS

Condition of well box: OK

Comments: N-

Date: 5/28/97

LPH REMOVAL/PURGE FORM

Project Name: WESTE Well Number: PR-34

Project Number: 609660.0006 Personnel: KLegg

Gauging Data

Water Level Measuring Method: INTERFACE PROBE Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
		7.75	8.40	.65	8.71	8.73	.02

Passive Skimmer Data

Skimmer In Well (Yes/No)	YES
Quantity of LPH Collected (Litre)	1/8 LITRE
Quantity of H20 Collected (Litre)	1/8 LITRE

Purging Data

Purge Time	1.5 MIN					
LPH Removed (Litre)	3/4 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	8.71					
D.T.W.	8.73					
LPH Thickness	.02					
LPH Discription	DARK RED					

Total Litre's removed: 3/4 L LPH

Disposal method: POLYTANK Well tags, caps, locks in place: CAPS

Condition of well box: OK

Comments: N-

Date: 5/28/97

LPH REMOVAL/PURGE FORM

Project Name: WESTE Well Number: E-O

Project Number: 609660! 0006 Personnel: MKeggE

Gauging Data

Water Level Measuring Method: INTERFACE PROBE Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
	6"	—	7.50	—	—	—	—

Passive Skimmer Data

Skimmer In Well	(Yes/No)	YES
Quantity of LPH Collected	(Litre)	NONE
Quantity of H20 Collected	(Litre)	NONE

Purging Data

Purge Time	N/A					
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: _____

Disposal method: POLY TANK Well tags, caps, locks in place: CAPS

Condition of well box: OIL

Comments: _____

Date: 5/28/97

LPH REMOVAL/PURGE FORM

Project Name: UESTE Well Number: PR57

Project Number: 609601 0006 Personnel: KK

Gauging Data

Water Level Measuring Method: INTERFACE PROBE Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	8.10	8.12	.02	NA	NA	NA

Passive Skimmer Data

Skimmer In Well (Yes/No)	YES
Quantity of LPH Collected (Litre)	1/4 L LPH
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	NA					
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: _____

Disposal method: POLY TANK Well tags, caps, locks in place: CAPS

Condition of well box: OK

Comments: DID NOT PURGE WELL. LPH THICKNESS TOO SMALL.

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client Westar Station No. _____

EA Project No. 6096601 Task No. 0006

Field Team M Leggett

Date 4/11/97

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

Summary:

Arrived on site and checked passive skimmers for LPH. Emptied skimmers and recorded depth to product and depth to water. Purged LPH and monitored again. Cleaned and secured wells.

MP.

EA

LPH REMOVAL/PURGE FORM

Date: 4/11/97

Project Name: NESTE

Well Number: PR34

Project Number: 60966 01 0006

Personnel: K Legge

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
	2"	7.97	9.28	1.31	9.21	9.22	.01

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	N-
Quantity of H20 Collected	(Litre)	~~1/4 Litre~~ Filter Element Failing

Purging Data

Purge Time	2 min.					
LPH Removed (Litre)	1/2 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	9.21					
D.T.W.	9.22					
LPH Thickness	.01					
LPH Discription	Dark Brn Oily					

Total Litre's removed: _____

Disposal method: Poly Tank

Well tags, caps, locks in place: Capped

Condition of well box: OK

Comments: N-

Date: 4/11/97

LPH REMOVAL/PURGE FORM

Project Name: NESTLE
Well Number: PR-61
Project Number: 60966.01.0006
Personnel: K Legge

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
		8.76	8.93	.17	8.67	8.69	.02

Passive Skimmer Data

Skimmer In Well (Yes/No)	Yes
Quantity of LPH Collected (Litre)	90z.
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	2 min					
LPH Removed (Litre)	1/2 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	8.67					
D.T.W.	8.69					
LPH Thickness						
LPH Discription	LITE BRN					

Total Litre's removed: 3/4 LITRE
Disposal method: Poly Tank
Well tags, caps, locks in place: Capped
Condition of well box: OK
Comments: N/A

Date: 4/11/97

LPH REMOVAL/PURGE FORM

Project Name: NESTE Well Number: PZ-58

Project Number: 60966 01 0006 Personnel: K Legge

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
		7.01	9.15	2.14	9.48	9.50	.02

Passive Skimmer Data

Skimmer In Well (Yes/No)	NO
Quantity of LPH Collected (Litre)	N/A
Quantity of H20 Collected (Litre)	N/A

Purging Data

Purge Time	2.5 min.					
LPH Removed (Litre)	1/2 L					
H20 Removed (Litre)	1/2 L					
D.T.P.	9.48					
D.T.W.	9.50					
LPH Thickness						
LPH Discription	Dark Brn/Blk					

Total Litre's removed: 1 1/2 Litre

Disposal method: Poly Tank Well tags, caps, locks in place: Capped

Condition of well box: OK

Comments: N—

Date: 4/11/97

LPH REMOVAL/PURGE FORM

Project Name: NESTE

Well Number: ~~B34~~ EO

Project Number: 20966 01 0006

Personnel: K Legge

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
		—	8.21	—			

Passive Skimmer Data

Skimmer In Well (Yes/No)	yes
Quantity of LPH Collected (Litre)	0
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time	N/A					
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: _____

Disposal method: Poly Tank

Well tags, caps, locks in place: Cap only

Condition of well box: OK

Comments: N/A

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client Nestle Station No. _____

EA Project No. 00966.01 Task No. 0006

Field Team Ralph Boniello

Date 4-15-97

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

Summary:

Opened and gauged wells MW2, MW3, MW6, MW25-MW30, and MW32. Only wells MW3, MW26, and MW28 were purged and sampled

Three casing volumes were purged from each well with the use of a vacuum truck. Samples were collected with a disposable bailer and transfered directly into the sample bottles.

Purge water was place in 55 gallon drums on site.

Samples were sent to the lab via Fed Ex.

MONITORING WELL DATA FORM

Client: Nestle	Date: 4/15/97
Project Number: 6096601.0006	Station Number:
Site Location: West Oakland	Samplers: R. Boniello

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
MW2		8.21					23.06
MW3*		7.78					24.56
MW6		7.65					15.67
MW25		6.44					19.28
MW26*		7.48					25.05
MW27		7.36					24.07
MW28*		7.17					25.28
MW29		6.36					23.32
MW30		8.31					20.95
MW32		7.89					23.14

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle -West Oakland Well No: MW3 Date 4/15/97

Project No: 609660 01.0006 Personnel: R. Baniello

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			
	24.56		7.78		16.78		0.16	0.64	1.44	10.74		33.22

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate: 4.2 gpm

Time	09:30	09:33	09:35	09:38			
Volume Purges (gal)	0	11	22	33.5			
Temperature (°C)	20.5	19.5	19.4	19.3			
pH	7.40	7.51	7.54	7.61			
Specific Conductivity (umhos)	1028	1044	1080	1075			
Turbidity / Color	low / clear	low / clear	low / clear	low / clear			
Odor	HC	HC	HC	HC			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments/Observations: _____

SAMPLING DATA

Time Sampled: 09:42 Approx. Depth to Water During Sampling: 20

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
MW3	3	voa	HCl	40mL	low	clear	Y	TPH-g BTEX	
↓	3	voa	HCl	40 mL	↓	↓	Y	8010	
↓	2	amber	—	1L	↓	↓	Y	TPH-d	

Total Purge Volume: 33.5 Disposal/Containment Method: drums on site

Weather Conditions: sunny, warm

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

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

Problems Encountered During Purging and Sampling: N

Comments: _____

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle -West Oakland Well No: MW26 Date 4/15/97

Project No: 609660 01.0006 Personnel: R. Baniello

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			
	25.05 ~~25.58~~		7.48		17.57		0.16	0.64	1.44	11.24		33.73

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate: 5.7 gpm

Time	08:55	08:57	08:59	09:01			
Volume Purges (gal)	0	11	~~2~~ 3	34			
Temperature (°C)	16.7	16.5	16.9	17.1			
pH	7.40	7.43	7.43	7.44			
Specific Conductivity (umhos)	989	999	998	1004			
Turbidity / Color	low clear	low clear	low clear	low clear	/	/	/
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments / Observations: _____

SAMPLING DATA

Time Sampled: 09:05 Approx. Depth to Water During Sampling: 15

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	TPH-g BTEX	
↓	3	voa	HCl	40 mL	↓	↓	Y	8010	
↓	2	amber	–	1L	↓	↓	Y	TPH-d	

Total Purge Volume: 34 Disposal/Containment Method: drums on site

Weather Conditions: sunny, warm

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

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

Problems Encountered During Purging and Sampling: N

Comments: _____

GROUNDWATER PURGE AND SAMPLE FORM

Project Name: Nestle -West Oakland Well No: MW28 Date 4/15/97

Project No: 609666D1.0006 Personnel: R. Baniello

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			
	25.28		7.17		18.11		0.16	0.64	1.44	11.59		34.77

PURGING DATA

Purge Method: Vacuum Truck Purge Depth: screen Purge Rate: 5.8 gpm

Time	08:40	08:42	08:44	08:46			
Volume Purges (gal)	0	12	23	35			
Temperature (°C)	19.4	18.4	18.2	18.2			
pH	6.73	6.89	7.02	7.05			
Specific Conductivity (umhos)	877	889	878	882			
Turbidity / Color	low / clear	low / clear	low / clear	low / clear			
Odor	N	N	N	N			
Casing Volumes Removed	0	1	2	3			
Dewatered?	N	N	N	N			

Comments/Observations: _____

SAMPLING DATA

Time Sampled: 08:50 Approx. Depth to Water During Sampling: 18

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	TPH-g BTEX	
↓	3	VOA	HCl	40 mL	↓	↓	Y	8010	
↓	2	amber	–	1L	↓	↓	Y	TPH-d	

Total Purge Volume: 35 Disposal/Containment Method: drums on site

Weather Conditions: sunny, warm

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

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

Problems Encountered During Purging and Sampling: _____

Comments: _____

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client Nestle Station No. _____

EA Project No. 60966.01 Task No. 0006

Field Team Ralph Bonielo

Date 4/17/97

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

Summary:

gauged depth to water and depth to product in wells PR34, PR58, PR01, and EO after removing the skimmers in the wells.

PR01 skimmer had abaut 6" of product, the skimmer in PR34 was full with water and had only a sheen of product.

Product was detected in PR34, PR58, and PR01. Could not get power to the peristaltic pump, so product was hand bailed out of the wells until no more came in. Depth to water was then remeasured and skimmers replaced.

Date: 4-17-97

LPH REMOVAL/PURGE FORM

Project Name: Nestle
Well Number: EO
Project Number: 609GG.01.0006
Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe
Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
EO	4"	–	8.11	–			

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: 0

Disposal method: drum
Well tags, caps, locks in place: _____

Condition of well box: OK

Comments: _____

LPH REMOVAL/PURGE FORM

Date: 4-17-97

Project Name: Nestle

Well Number: PR58

Project Number: 60966.01.0006

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR58	2"	7.14	8.94	1.80	—	10.43	-

Passive Skimmer Data

Skimmer In Well	(Yes/No)	no
Quantity of LPH Collected	(Litre)	0
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	4 min					
LPH Removed (Litre)	1 1/4					
H20 Removed (Litre)	1/2					
D.T.P.						
D.T.W.	10.43					
LPH Thickness						
LPH Discription	medium brown					

Total Litre's removed: 1 1/4

Disposal method: drum

Well tags, caps, locks in place: _____

Condition of well box: OK

Comments: _____

LPH REMOVAL/PURGE FORM

Date: 4-17-97

Project Name: Nestle

Well Number: PR61

Project Number: 60966.01.0006

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR61	2"	8.28	8.61	0.33	–	8.58	–

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	1/20
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	3 min					
LPH Removed (Litre)	1/2					
H20 Removed (Litre)	1/4					
D.T.P.						
D.T.W.	8.58					
LPH Thickness	–					
LPH Discription	medium brown					

Total Litre's removed: 1/4

Disposal method: drum

Well tags, caps, locks in place: _____

Condition of well box: OK

Comments: _____

LPH REMOVAL/PURGE FORM

Date: 4-17-97

Project Name: Nestle

Well Number: PR34

Project Number: 60966.01.0000

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR34	2"	8.16	8.96	0.80	–	9.48	–

Passive Skimmer Data

Skimmer In Well	(Yes/No)	yes
Quantity of LPH Collected	(Litre)	sheen
Quantity of H20 Collected	(Litre)	1/4

Purging Data

Purge Time	3 min					
LPH Removed (Litre)	1/2					
H20 Removed (Litre)	1/4					
D.T.P.						
D.T.W.	9.48					
LPH Thickness	–					
LPH Discription	dark brown					

Total Litre's removed: 1/2

Disposal method: drum

Well tags, caps, locks in place: _____

Condition of well box: OK

Comments: _____

EA Engineering, Science, and Technology

FIELD SUMMARY REPORT

Client	Neptune	**Station No.**	
EA Project No.	0096601.0000	**Task No.**	0000
Field Team	R. Boniello		
Date	4/25/97		

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

Summary:

Checked skimmers in wells EO, PR58, PR61, PR34. Gauged depth to water / depth to product in these wells. PR58, PR61, and PR34 each had remaining product in the wells.

Product was pumped out using a peristaltic pump. The amount of product was measured, stored in a drum, and the well was gauged again.

Skimmers were replaced and well caps secured.

Date: 4/25/97

LPH REMOVAL/PURGE FORM

Project Name: Nestle Well Number: EO

Project Number: 60966O1.0006 Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	LPH Thickness
EO	4"	—	7.98	0.00			

Passive Skimmer Data

Skimmer In Well (Yes/No)	Yes
Quantity of LPH Collected (Litre)	0
Quantity of H20 Collected (Litre)	0

Purging Data

Purge Time						
LPH Removed (Litre)						
H20 Removed (Litre)						
D.T.P.						
D.T.W.						
LPH Thickness						
LPH Discription						

Total Litre's removed: 0

Disposal method: drum Well tags, caps, locks in place: Y

Condition of well box: OK

Comments:

LPH REMOVAL/PURGE FORM

Date: 4/25/97

Project Name: Nestle

Well Number: PR58

Project Number: 6096601.0006

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR58	2"	6.94	9.00	2.06		9.27	

Passive Skimmer Data

Skimmer In Well	(Yes/No)	No
Quantity of LPH Collected	(Litre)	–
Quantity of H20 Collected	(Litre)	–

Purging Data

Purge Time	4 min					
LPH Removed (Litre)	1.5					
H20 Removed (Litre)	0.5					
D.T.P.	~~9.27~~					
D.T.W.	9.27					
LPH Thickness	–					
LPH Discription	dark brown					

Total Litre's removed: 1.5

Disposal method: drum

Well tags, caps, locks in place: Y

Condition of well box: OK

Comments:

LPH REMOVAL/PURGE FORM

Date: 4/25/97

Project Name: Nestle

Well Number: PR61

Project Number: 009660 01.0000

Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR61	2"	8.23	8.65	0.42			

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	1/20 L
Quantity of H20 Collected	(Litre)	0

Purging Data

Purge Time	3 mn					
LPH Removed (Litre)	0.5					
H20 Removed (Litre)	0.5					
D.T.P.	–					
D.T.W.	8.58					
LPH Thickness	–					
LPH Discription	medium brown					

Total Litre's removed: 0.55

Disposal method: drum

Well tags, caps, locks in place: Y

Condition of well box: OK

Comments:

LPH REMOVAL/PURGE FORM

Date: 4/25/97

- Project Name: Nestle
- Project Number: 609660 01.0006
- Well Number: PR34
- Personnel: R. Boniello

Gauging Data

Water Level Measuring Method: Interface Probe

Measuring Point: TOC

Monitoring Well No.	Diameter	PRE-PURGE Depth to Product	PRE-PURGE Depth to Water	PRE-PURGE LPH Thickness	FINAL POST-PURGE Final Depth to Product	FINAL POST-PURGE Final Depth to Water	FINAL POST-PURGE LPH Thickness
PR34	2"	8.05	9.13	1.06			

Passive Skimmer Data

Skimmer In Well	(Yes/No)	Yes
Quantity of LPH Collected	(Litre)	Sheen
Quantity of H20 Collected	(Litre)	1/4 L

Purging Data

Purge Time	3 min					
LPH Removed (Litre)	1.25					
H20 Removed (Litre)	0.25					
D.T.P.	-					
D.T.W.	8.78					
LPH Thickness	-					
LPH Discription	dark brown					

Total Litre's removed: 1.25

Disposal method: drum

Well tags, caps, locks in place: Y

Condition of well box: OK

Comments:

Appendix B

Laboratory Analytical Report

NESTLÉ USA, INC.
QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

Nestlé

Client: Binayak Acharya
Company: Nestle USA Inc.
800 N. Brand Blvd.
Glendale, CA
cc: Doug Oram - EA Engineering

Date of Report: 5/1/97
Date Sample Collected: 4/15/97
Date Sample Received: 4/16/97

Report Number: 97APR679

Sample ID: Rinse Blank
Sample Location: Oakland, CA
Sample Submitted by: EA Engineering

NQAL #: 97APR679-000

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	ND	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	ND	0.05	4/18/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	ND	0.5	4/18/97
Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
Toluene	EPA 8020	ug/L	0.6	0.5	4/18/97
Ethyl Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
m&p Xylenes	EPA 8020	ug/L	ND	0.5	4/18/97
o-Xylene	EPA 8020	ug/L	ND	0.5	4/18/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	ND	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	ND	0.5	4/19/97
Chloroform	EPA 8010	µg/L	9.7	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichloroethylene	EPA 8010	µg/L	ND	0.5	4/19/97

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY

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

TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	Rinse Blank	**NQAL #:**	97APR679-000
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY

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

TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679

Sample ID:	Travel Blank	**NQAL #:**	97APR679-001
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	NOT ANALYZED SEE COC JP 6/6/97 Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	~~ND~~	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	ND	0.05	4/18/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	ND	0.5	4/18/97
Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
Toluene	EPA 8020	ug/L	ND	0.5	4/18/97
Ethyl Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
m&p Xylenes	EPA 8020	ug/L	ND	0.5	4/18/97
o-Xylene	EPA 8020	ug/L	ND	0.5	4/18/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	NR	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	NR	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	1.5*	0.5	4/18/97
Chloroform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichloroethylene	EPA 8010	µg/L	2.4*	0.5	4/18/97

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679

Sample ID:	Travel Blank	**NQAL #:**	97APR679-001
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

* = These concentrations are suspect due to the possibility of carryover from the previous sample having a high concentration and there was not enough sample to confirm the results.

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW28	**NQAL #:**	97APR679-002
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	ND	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	0.12	0.05	4/18/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	7.1	0.5	4/18/97
Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
Toluene	EPA 8020	ug/L	ND	0.5	4/18/97
Ethyl Benzene	EPA 8020	ug/L	ND	0.5	4/18/97
m&p Xylenes	EPA 8020	ug/L	ND	0.5	4/18/97
o-Xylene	EPA 8020	ug/L	ND	0.5	4/18/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	ND	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	1.0	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	150	0.5	4/22/97
Trichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW28	**NQAL #:**	97APR679-002
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY

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

TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW26	**NQAL #:**	97APR679-003
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	2.2	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	26	0.05	4/24/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	40	0.5	4/18/97
Benzene	EPA 8020	ug/L	16000	0.5	4/24/97
Toluene	EPA 8020	ug/L	33	0.5	4/18/97
Ethyl Benzene	EPA 8020	ug/L	40	0.5	4/18/97
m&p Xylenes	EPA 8020	ug/L	150	0.5	4/24/97
o-Xylene	EPA 8020	ug/L	11	0.5	4/18/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	ND	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	3.5	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	0.7	0.5	4/18/97
Chloroform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	97	0.5	4/18/97
Trichloroethylene	EPA 8010	µg/L	2.4	0.5	4/18/97

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY
P.O. BOX 1516
6625 EITERMAN ROAD
DUBLIN, OH 43017-6516
TEL (614) 791-9144
FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW26	**NQAL #:**	97APR679-003
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

NESTLÉ USA, INC.

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DUBLIN, OH 43017-6516
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FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW3	**NQAL #:**	97APR679-004
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	0.8	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	4.3	0.05	4/18/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	6.9	0.5	4/18/97
Benzene	EPA 8020	ug/L	1300	0.5	4/24/97
Toluene	EPA 8020	ug/L	300	0.5	4/24/97
Ethyl Benzene	EPA 8020	ug/L	180	0.5	4/24/97
m&p Xylenes	EPA 8020	ug/L	100	0.5	4/24/97
o-Xylene	EPA 8020	ug/L	58	0.5	4/24/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	ND	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	16	0.5	4/18/97
Trichloroethylene	EPA 8010	µg/L	1.1	0.5	4/18/97

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6625 EITERMAN ROAD
DUBLIN, OH 43017-6516

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FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW3	**NQAL #:**	97APR679-004
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

NESTLÉ USA, INC.

QUALITY ASSURANCE LABORATORY

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DUBLIN, OH 43017-6516

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FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW3/dup	**NQAL #:**	97APR679-005
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
Diesel Range Organics	CA Luft	mg/L	0.4	0.15	4/30/97
Gasoline Range Org.	CA Luft	mg/L	4.6	0.05	4/18/97
Methyl-t-Butyl Ether	EPA 8020	ug/L	6.6	0.5	4/18/97
Benzene	EPA 8020	ug/L	1800	0.5	4/24/97
Toluene	EPA 8020	ug/L	400	0.5	4/24/97
Ethyl Benzene	EPA 8020	ug/L	220	0.5	4/24/97
m&p Xylenes	EPA 8020	ug/L	140	0.5	4/24/97
o-Xylene	EPA 8020	ug/L	82	0.5	4/24/97
Dichlorodifluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlormethane	EPA 8010	µg/L	2.4	0.5	4/18/97
Vinyl Chloride	EPA 8010	µg/L	ND	0.5	4/18/97
Bromomethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Trichlorofluoromethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
Methylene Chloride	EPA 8010	µg/L	ND	2.0	4/18/97
trans-1,2-Dichloroethylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1-Dichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
c 1,2-Dichloroethene	EPA 8010	µg/L	2.2	0.5	4/18/97
Chloroform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,1-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Carbon Tetrachloride	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichloroethane	EPA 8010	µg/L	18	0.5	4/18/97
Trichloroethylene	EPA 8010	µg/L	8.6	0.5	4/18/97

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FAX (614) 793-5353

Client:	Binayak Acharya	**Date of Report:**	5/1/97
Company:	Nestle USA Inc.	**Date Sample Collected:**	4/15/97
	800 N. Brand Blvd.	**Date Sample Received:**	4/16/97
	Glendale, CA		
cc:	Doug Oram - EA Engineering	**Report Number:**	97APR679
Sample ID:	MW3/dup	**NQAL #:**	97APR679-005
Sample Location:	Oakland, CA		
Sample Submitted by:	EA Engineering		

Laboratory Report

Analyte	Method	Units	Result	RL	Date Analyzed
1,2-Dichloropropane	EPA 8010	µg/L	ND	0.5	4/18/97
Bromodichloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
cis-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
trans-1,3-Dichloropropylene	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2-Trichloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
Tetrachloroethene	EPA 8010	µg/L	ND	0.5	4/18/97
Dibromochloromethane	EPA 8010	µg/L	ND	0.5	4/18/97
Chlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
Bromoform	EPA 8010	µg/L	ND	0.5	4/18/97
1,1,2,2-Tetrachloroethane	EPA 8010	µg/L	ND	0.5	4/18/97
1,3-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,4-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97
1,2-Dichlorobenzene	EPA 8010	µg/L	ND	0.5	4/18/97

ND = Not Detected, RL = Reporting Limit

Unless you request otherwise, this sample will be discarded 90 days from the date of this report.

Sample conditions upon receipt were good

John R. Heuser
Chemist

Company Name: Nestle	Project Manager or Contact: Doug Oram Phone: (510) 283-7077
Project No.: 60966.01.0006	Project Name: Nestle West Oakland

Sample Storage Location:

Page 1 of 1 Batch ID:

Chain-of-Custody Record

EA Laboratories
19 Loveton Circle
Sparks, MD 21152
(301) 771-4920

Reports/Deliverables Only

Parameters/Method Numbers for Analysis*

Date	Time	Water	Soil	Sample Identification (ID and Matrix) 19 Characters	No. of Containers	TPH-g	BTEX	HVOC	TPH-d						EA Labs Acession Number	Remarks
4/15	08:30	X		RINSE BLANK	8	X	X	X	X							
-	-	X		TB#1	2	X	X									
4/15	08:50	X		MW28	8	X	X	X	X							
4/15	09:05	X		MW26	8	X	X	X	X							
4/15	07:42	X		MW3	8	X	X	X	X							
4/15	09:50	X		MW31/DUP	8	X	X	X	X							

Sampled by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
[signature]	4/15 10:00	[signature]	4/15/97 14:00		
Received by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Holding Times for VOAs	Sample Shipped by: (Circle) Fed. Ex. (circled) Puro. UPS

Cooler Temp.: ___ C pH: ☐ Yes ☐ No Comments:

Other: 155 5042 192

Air Bill Number: 155 5042 212

*NOTE: Please indicate method number for analyses requested. This will help clarify any questions with laboratory technicians.

EA 0398 White—EA Laboratories Yellow—EA Laboratories Pink—Project Manager Shaded Area for Lab Use Only