EXXON COMPANY, U.S.A.

POST OFFICE BOX 4032 . CONCORD, CA 94524-2032

ENVIRONMENTAL ENGINEERING

MARLA D. GUENSLER
ENVIRONMENTAL ENGINEER
(510) 246-8776

June 2, 1992

Exxon RAS 7-7003
349 Main Street
Pleasanton, California

Mr. Rick Mueller
City of Pleasanton Fire Department
4444 Railroad Street
Pleasanton, California 94566-0802

Dear Mr. Mueller:

Attached for your review and comment is the **Letter Report, First Quarter 1992 Groundwater Monitoring** for the above referenced Exxon station in Pleasanton. The report, prepared by RESNA, of Fremont, California, details the results of the first quarter 1992 monitoring event which occurred in March 1992.

Should you have any questions or comments, or require additional information, please do not hesitate to contact me at the above listed phone number.

Sincerely,

Marla D. Guensler

Attachment

c - w/attachment:
Mr. L. Feldman - San Francisco Bay Region Water Quality Control Board
2101 Webster Street, Suite 500
Oakland, California 94612

w/o attachment:
Mr. D. Lyons
Mr. M. Detterman - RESNA Industries
42501 Albrae St
Fremont, CA

MDG:sd
2450E/77003LTR

RESNA

LETTER REPORT
FIRST QUARTER 1992
GROUNDWATER MONITORING
at
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

RESNA Job No. 19025-5

RESNA

May 28, 1992
RESNA 19025-5

Ms. Marla D. Guensler
Exxon Company U.S.A.
2300 Clayton Road, Suite 1250
P.O. Box 4032
Concord, California 94520

Subject: Letter Report on First Quarter 1992 Groundwater Monitoring at Exxon Service Station 7-7003, 349 Main Street, Pleasanton, California

Dear Ms. Guensler:

This letter report summarizes the first quarter 1992 groundwater monitoring performed by RESNA Industries, Inc. (RESNA) at the subject site. The Exxon site is located at 349 Main Street on the southwest corner of Angela and Main Streets in Pleasanton, California (Plate 1). Pertinent site features include a service station building, two dispenser islands, two gasoline underground storage tanks (USTs) located northeast of the station building, and a waste-oil UST located northwest of the station building (Plate 2).

Background

In June 1989, Applied GeoSystems (AGS) conducted a soil-vapor survey at the site prior to the removal and replacement of four USTs. In July 1989, Exxon removed three 8,000-gallon gasoline USTs and a waste-oil UST, and new fiberglass tanks were installed in August 1989. The current and former USTs locations are shown on Plate 2. Soil samples collected in the northern part of the tank excavation by AGS indicated up to 150 parts per million (ppm) TPHg (AGS Report No. 19025-1, October 1, 1989).

Between January and June 1990, AGS drilled 13 boreholes around the former UST locations, installed groundwater monitoring wells MW-1 through MW-5 in five of the boreholes, and analyzed soil and groundwater samples. The results of soil analyses indicated TPHg concentrations greater than 100 ppm southwest of the former fuel UST excavation. Laboratory analytical results of groundwater samples also indicated that hydrocarbons were present in the groundwater beneath the site (AGS Report No. 19025-2, August 1, 1990). During February and March 1991, AGS drilled 6 boreholes north and northwest of the former USTs and installed groundwater monitoring wells MW-6 and MW-7 (AGS Report No.19025-3, October 1991).

Field Activities and Laboratory Analysis

On March 12 and 13, 1992, a RESNA representative measured depth to water, subjectively evaluated groundwater from each of the monitoring wells for the presence of product, purged, and collected samples from each well for laboratory analysis.

Field activities were conducted in accordance with the attached Field Procedures (Attachment I). Well purge data sheets are included in Attachment II. No floating product or sheen was observed in the water samples from wells MW-1 through MW-7 during this quarter. Cumulative results of water level measurements and subjective evaluations are presented in Table 1.

Groundwater samples were submitted to Pace Incorporated (Hazardous Waste Testing Laboratory Certification No. 148) in Novato, California. The samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) modified Method 8015; benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 602; volatile organic compounds by EPA Method 601; and organic lead using the Leaking Underground Fuel Tank (LUFT) manual method (State of California, October 1989). In addition, groundwater from well MW-3 was analyzed for total petroleum hydrocarbons as oil and grease (TOG) by Standard Method 5520B/F. The chain of custody records and laboratory analysis reports are included in Attachment III.

Groundwater Gradient and Flow Direction

Groundwater elevations in each well were calculated from the water level measurements (Table 1). A plot of the groundwater surface elevation (Plate 2) data indicates that the groundwater below the site flows towards the northwest at a gradient of approximately 0.22. The gradient flattens to the southeast (approximately 0.03) in the vicinity of MW-2 and MW-5. The flow direction and gradient are consistent with previous data.

Water depth measurements from Table 1 were used to prepare a hydrograph for wells MW-1 through MW-7. The hydrograph shows groundwater elevation differences in each well and illustrates trends in the water level (Plate 3). The water level in wells MW-1 through MW-7 rose an average of 3.95 feet since the previous quarterly measurements.

Analytical Results

The lab analysis reports are included in Attachment III. Tables 2 and 3 present a summary of the cumulative results of analytical tests performed on samples from each well.

Water samples obtained this quarter yielded concentrations of TPHg ranging from below the detection limit to a maximum of 14,000 parts per billion (ppb). The maximum TPHg concentration was encountered in MW-1. Benzene concentrations in the groundwater samples ranged from below the detection limit to 87 ppb (MW-1). Concentrations of the

other BTEX compounds have fluctuated since last quarter. The distribution of TPHg and benzene concentrations from this quarterly sample analyses are presented on Plates 4 and 5 respectively.

The cumulative results of groundwater analysis for organic lead, TOG and VOC's are presented in Table 3. Organic lead was not detected in groundwater samples analyzed from each well. TOG was below the detection limit of analysis in the groundwater sample from the well closest to the former waste oil tank location, MW-3. VOC's were also not detected in groundwater samples from the wells, with the exception of well MW-1. Five organic compounds were detected in the sample from well MW-1; two (methylene chloride, trichloroethene) have not been detected in previous water samples analyzed from this site. The compound 1,2,-Dichloroethane, detected at 1.2 ppb, is slightly above the 0.5 Primary MCL set by California DHS (Water Quality Goals, Sept. 1991).

RECOMMENDATIONS

RESNA recommends that copies of this report be sent to:

- Mr Lester Feldman
  California Regional Water Quality Control Board
  San Francisco Bay Region
  2101 Webster Street, Suite 500
  Oakland, California 94612

- Mr. Rick Mueller
  Pleasanton Fire Department
  4444 Railroad Street
  Pleasanton, California 94566

Should you have any questions, please call.

Sincerely,
RESNA Industries Inc.

Brian L. Worden
Project Geologist

Mark E. Detterman, R.G. 4799
Project Manager

Draft: April 17, 1992

References: Applied GeoSystems. October 1, 1989. Report on Limited Subsurface Environmental Investigation at Exxon Station No. 7-7003, 349 Main Street, Pleasanton, California. Job No. 19025-1.

Applied GeoSystems. August 1, 1990. Report on Supplemental Subsurface Environmental Investigation at Exxon Station No. 7-7003, 349 Main Street, Pleasanton, California. Job No. 19025-2.

Applied GeoSystems. October 24, 1991. Report on Supplemental Subsurface Environmental Investigation and Quarterly Monitoring at Exxon Station No. 7-7003, 349 Main Street, Pleasanton, California Job No. 19025-3.

State of California. October 1989. Leaking Underground Fuel Tank Field Manual. Leaking Underground Fuel Tank Task Force.

State of California. September 1991. A Compilation of Water Quality Goals. California Regional Water Quality Control Board; Central Valley Region.

Enclosures: Table 1: Cumulative Results of Groundwater Elevation Data and Subjective Evaluations of Groundwater
Table 2: Cumulative Results of Groundwater Analysis for Gasoline Hydrocarbon Compounds
Table 3: Cumulative Results of Groundwater Analysis for Lead, TOG, and VOCs
Plate 1: Site Vicinity Map
Plate 2: Generalized Site Plan and Groundwater Elevation Map (March 12, 1992)
Plate 3: Hydrograph
Plate 4: Concentration of TPHg in Groundwater (March, 1992)
Plate 5: Concentration of Benzene in Groundwater (March, 1992)

Attachment I: Field Procedures
Attachment II: Well Purge Data Sheets
Attachment III: Chain of Custody Records and Laboratory Analysis

RESNA

TABLE 1
CUMULATIVE RESULTS OF GROUNDWATER ELEVATION DATA
AND SUBJECTIVE EVALUATIONS OF GROUNDWATER
(page 1 of 2)

Date	Depth to Water (ft)	Groundwater Elevation (ft)	Product Thickness (ft)	Sheen
MW-1 (Wellhead Elevation = 343.83 ft)				
02/90	26.08	317.75	None	None
06/90	26.49	317.34	None	None
08/90	26.47	317.36	None	None
12/90	28.00	315.83	None	None
03/19/91	23.63	320.20	None	None
06/27/91	22.11	321.72	None	None
09/26/91	27.75	316.08	None	None
01/10/92	25.61	318.22	None	None
03/12/92	22.52	321.31	None	None
MW-2 (Wellhead Elevation = 344.22 ft)				
02/90	26.31	317.31	None	None
06/90	26.25	317.97	None	None
08/90	26.15	318.07	None	None
12/90	27.94	316.28	None	None
03/19/91	23.41	320.81	None	None
06/27/91	21.63	322.59	None	None
09/26/91	27.19	317.03	None	None
01/10/92	25.67	318.55	None	None
03/12/92	22.28	321.94	None	None
MW-3 (Wellhead Elevation = 342.90 ft)				
02/90	24.78	318.12	None	None
06/90	25.29	317.61	None	None
08/90	25.40	317.50	None	None
12/90	26.84	316.06	None	None
03/19/91	22.13	320.77	None	None
06/27/91	21.04	322.86	None	None
09/26/91	26.63	316.27	None	None
01/10/92	24.26	318.64	None	None
03/12/92	21.60	321.30	None	None

See notes on page 2 of 2

TABLE 1
CUMULATIVE RESULTS OF GROUNDWATER ELEVATION DATA
AND SUBJECTIVE EVALUATIONS OF GROUNDWATER
(page 2 of 2)

Date	Depth to Water (ft)	Groundwater Elevation (ft)	Product Thickness (ft)	Sheen
MW-4 (Wellhead Elevation = 343.38 ft)				
06/90	30.94	312.44	None	None
08/90	31.21	312.17	None	None
12/90	32.86	310.52	None	None
03/19/91	26.76	316.62	None	None
06/27/91	25.91	317.47	None	None
09/26/91	32.29	311.09	None	None
01/10/92	29.06	314.32	None	None
03/12/92	24.25	319.13	None	None
MW-5 (Wellhead Elevation = 345.20 ft)				
06/90	26.94	318.26	None	None
08/90	26.90	318.30	None	None
12/90	28.31	316.89	None	None
03/19/91	23.98	321.22	None	None
06/27/91	22.41	322.79	None	None
09/26/91	27.77	317.43	None	None
01/10/92	26.38	318.82	None	None
03/12/92	22.08	323.12	None	None
MW-6 (Wellhead Elevation = 342.25 ft)				
03/19/91	34.42	307.83	None	None
06/27/91	35.01	307.24	None	None
09/26/91	40.34	301.91	None	None
01/10/92	36.20	306.05	None	None
03/12/92	31.95	310.30	None	None
MW-7 (Wellhead Elevation = 343.62 ft)				
03/19/91	24.68	318.94	None	None
06/27/91	23.10	320.52	None	None
09/26/91	Not accessible			
01/10/92	26.98	316.64	None	None
03/12/92	21.85	321.77	None	None

Elevations relative to mean sea level datum. (Surveyed by Ron Archer Civil Engineer, Inc.)
Depth to water measured from top of wellhead casing

TABLE 2
CUMULATIVE RESULTS OF GROUNDWATER ANALYSES
FOR GASOLINE HYDROCARBON COMPOUNDS
(Page 1 of 2)

Well/ Sample Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethyl-benzene ppb	Total Xylenes ppb
MW-1						
W-28-MW1	03/90	3,300	21	9.2	59	19
W-27-MW1	06/90	1,300	7.9	5.9	32	58
W-29-MW1	08/90	2,500	77	280	50	250
W-28-MW1	12/90	390	9	2	43	400
W-23-MW1	03/19/91	4,500	45	12	240	300
W-22-MW1	06/27/91	710	5.4	2.6	29	34
W-28-MW1	09/26/91	290	1.9	<0.5	0.6	0.6
W-25-MW1	01/10/92*	5,400	52	15	690	496
MW1	03/92	14,000	87	22	1200	1000
MW-2						
W-29-MW2	03/90	650	3	2	0.98	6.5
W-27-MW2	06/90	670	<0.5	2.6	<0.5	<0.5
W-28-MW2	08/90	1,300	24	130	37	170
W-28-MW2	12/90	470	<0.3	0.5	1	3
W-23-MW2	03/19/91	700	10	3.4	6.1	3.8
W-21-MW2	06/27/91	1,400	8.7	2.1	8.8	33
W-27-MW2	09/26/91	300	<0.5	0.6	0.6	3.9
W-25-MW2	01/10/92*	800	9.3	1.0	2.4	3.2
MW2	03/92	350	<0.5	0.6	3.0	1.0
MW-3						
W-27-MW3	03/90	<20	<0.5	<0.5	<0.5	<0.5
W-27-MW3	06/90	200	<0.5	<0.5	<0.5	<0.5
W-27-MW3	08/90	3,200	54	380	23	400
W-27-MW3	12/90	200	8	12	6	24
W-22-MW3	03/19/91	<50	<0.5	<0.5	<0.5	<0.5
W-21-MW3	06/27/91	<50	<0.5	<0.5	<0.5	<0.5
W-27-MW3	09/26/91	<50	<0.5	<0.5	<0.5	<0.5
W-24-MW3	01/10/92*	<50	<0.5	<0.5	<0.5	<0.5
MW3	03/92	<50	<0.5	<0.5	<0.5	<0.5
MW-4						
W-34-MW4	06/90	<20	<0.5	<0.5	<0.5	<0.5
W-33-MW4	08/90	120	5.2	5.4	5.4	9.9
W-33-MW4	12/90	50	7	1	<0.3	2
W-26-MW4	03/19/91	160	1.8	0.8	2.2	11
W-25-MW4	06/27/91	<50	<0.5	<0.5	<0.5	<0.5
W-32-MW4	09/26/91	<50	<0.5	<0.5	<0.5	<0.5
W-29-MW4	01/10/92*	98	0.9	<0.5	7.6	4.4
MW4	03/92	82	1.2	<0.5	5.3	4.3

See notes on page 2 of 2

TABLE 2
CUMULATIVE RESULTS OF GROUNDWATER ANALYSES
FOR GASOLINE HYDROCARBON COMPOUNDS
(Page 2 of 2)

Well/ Sample Number	Date	TPHg ppb	Benzene ppb	Toluene ppb	Ethyl-benzene ppb	Total Xylenes ppb
MW-5						
W-26-MW5	06/90	<20	<0.5	<0.5	<0.5	<0.5
W-28-MW5	08/90	210	9.7	12	7.6	17
W-28-MW5	12/90	190	2	3.5	2	8
W-23-MW5	03/19/91	<50	<0.5	<0.5	<0.5	<0.5
W-22-MW5	06/27/91	<50	<0.5	<0.5	<0.5	<0.5
W-28-MW5	09/26/91	<50	<0.5	<0.5	<0.5	<0.5
W-26-MW5	01/10/92*	<50	<0.5	<0.5	<0.5	0.6
MW5	03/92	<50	<0.5	<0.5	<0.5	<0.5
MW-6						
W-34-MW6	03/19/91	<50	<0.5	<0.5	<0.5	<0.5
W-35-MW6	06/27/91	<50	2.6	1.8	0.8	<0.30
W-40-MW6	09/26/91	<50	<0.5	<0.5	<0.5	<0.5
W-36-MW6	01/10/92*	<50	<0.5	<0.5	<0.5	<0.5
MW6	03/92	<50	<0.5	<0.5	<0.5	<0.5
MW-7						
W-24-MW7	03/19/91	140	<0.5	<0.5	<0.5	<0.5
W-23-MW7	06/27/91	100	5.2	5.6	3.9	16
	09/26/91	Inaccessible				
W-26-MW7	01/10/92*	<50	<0.5	<0.5	<0.5	<0.5
MW7	03/92	120	<0.5	<0.5	<0.5	<0.5

TPHg = total petroleum hydrocarbons.
ppb = parts per billion
< = below the detection limits of the analysis
(No. following < indicates applicable detection limit)
* = sample collected for fourth quarter 1991 monitoring
Sample designation = W-24-MW7
W = Water sample.
24 = Sample depth in feet.
MW7 = Well number.

TABLE 3
CUMULATIVE RESULTS OF GROUNDWATER ANALYSIS FOR LEAD, TOG, AND VOCs
(Page 1 of 2)

Sample Number	Date	Lead ppm	TOG ppm	VOCs ppb
MW-1				
W-28-MW1	03/90	0.01	---	---
W-27-MW1	06/90	<0.05	---	---
W-29-MW1	08/90	<0.05	---	---
W-28-MW1	12/90	<0.1*	---	---
W-23-MW1	03/19/91	<0.1*	---	12.0[1]
W-22-MW1	06/27/91	<0.1*	---	ND
W-28-MW1	09/26/91	<0.1*	---	ND
W-25-MW1	01/10/92	<0.1*	---	6.1[1]
MW1	03/92			2.1[5] 14[1] 1.2[4] 0.5[6] 0.8[3]
MW-2				
W-29-MW2	03/90	0.008	---	---
W-27-MW2	06/90	<0.05	---	---
W-28-MW2	08/90	<0.05	---	---
W-28-MW2	12/90	<0.1*	---	---
W-23-MW2	03/19/91	<0.1*	---	ND
W-21-MW2	06/27/91	<0.1*	---	ND
W-27-MW2	09/26/91	<0.1*	---	ND
W-25-MW2	01/10/92	<0.1*	---	ND
MW2	03/92		---	ND
MW-3				
W-27-MW3	03/90	0.01	---	---
W-27-MW3	06/90	<0.05	---	---
W-27-MW3	08/90	<0.05	---	---
W-27-MW3	12/90	<0.1*	<5.0	4.1[3]
W-22-MW3	03/19/91	<0.1*	<5.0	ND
W-21-MW3	06/27/91	<0.1*	<5.0	ND
W-27-MW3	09/26/91	<0.1*	<5.0	ND
W-24-MW3	01/10/92	<0.1*	5.1	ND
MW3	03/92		5.0	ND
MW-4				
W-34-MW4	06/90	<0.05	---	---
W-33-MW4	08/90	<0.05	---	---
W-33-MW4	12/90	<0.1*	---	---
W-26-MW4	03/19/91	<0.1*	---	ND
W-25-MW4	06/27/91	<0.1*	---	ND
W-32-MW4	09/26/91	<0.1*	---	1.0[4]
W-29-MW4	01/10/92	<0.1*	---	1.0[4]
MW4	03/92		---	ND
MW-5				
W-26-MW5	06/90	0.06	---	---
W-28-MW5	08/90	<0.05	---	---
W-28-MW5	12/90	<0.1*	---	---
W-23-MW5	03/19/91	<0.1*	---	0.5[1] 1.0[2]
W-22-MW5	06/27/91	<0.1*	---	ND
W-28-MW5	09/26/91	<0.1*	---	ND
W-26-MW5	01/10/92	<0.1*	---	ND
MW5	03/92		---	ND

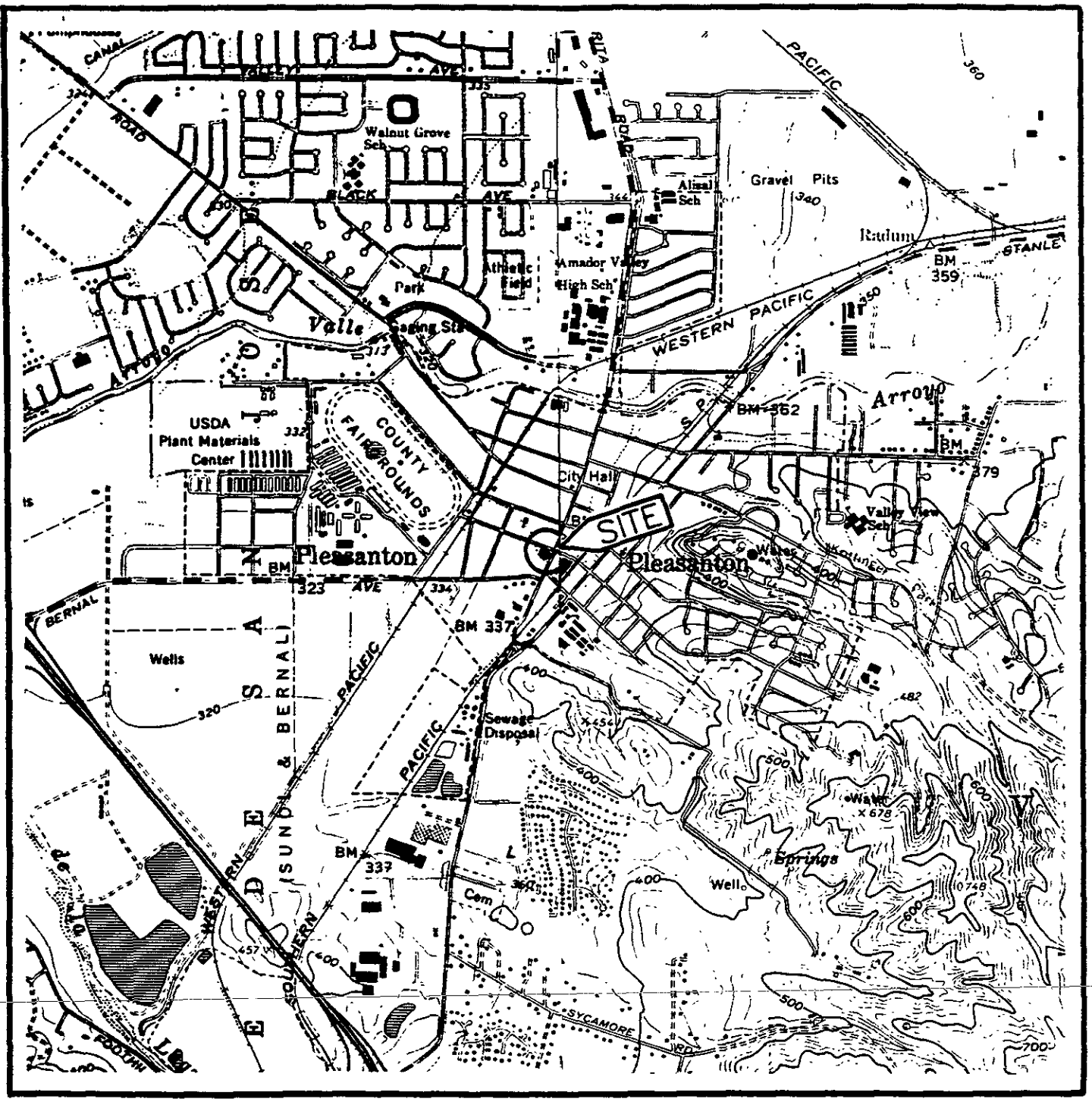
See notes on page 2 of 2

TABLE 3
RESULTS OF GROUNDWATER ANALYSIS FOR LEAD, TOG, AND VOCs
(Page 2 of 2)

Sample Number	Date	Lead ppm	TOG ppb	VOCs ppb
MW-6				
W-34-MW6	03/19/91	<0.1*	---	ND
W-35-MW6	06/27/91	<0.1*	---	ND
W-40-MW6	09/26/91	<0.1*	---	ND
W-36-MW6	01/10/92	<0.1*	---	ND
MW6	03/92		---	ND
MW-7				
W-24-MW7	03/19/91	<0.1*	---	0.7[1] 0.8[2]
W-23-MW7	06/27/91	<0.1*	---	ND
	09/26/91 Inaccessible			
W-26-MW7	01/10/92	<0.1*	---	ND
MW7	03/92		---	ND

ppm = parts per million
ppb = parts per billion
TOG = Total oil and grease
VOCs = Volatile organic compounds (EPA Method 601)
* = Organic lead
[1] = Chloroform
[2] = Bromodichloromethane
[3] = Tetrachloroethene
[4] = 1,2-Dichloroethane
[5] = Methylene Chloride
[6] = Trichloroethene
ND = Compounds not detected; see laboratory report for method detection limit
< = Below the detection limits of the analysis.
(No. following < indicates applicable detection limit)
--- = Not analyzed

Sample designation = W-24-MW7
- W — Water sample.
- 24 — Sample depth in feet.
- MW7 — Well number.



Source: U.S. Geological Survey
7.5-Minute Quadrangle
Dublin/Livermore, California
Photorevised 1980

N

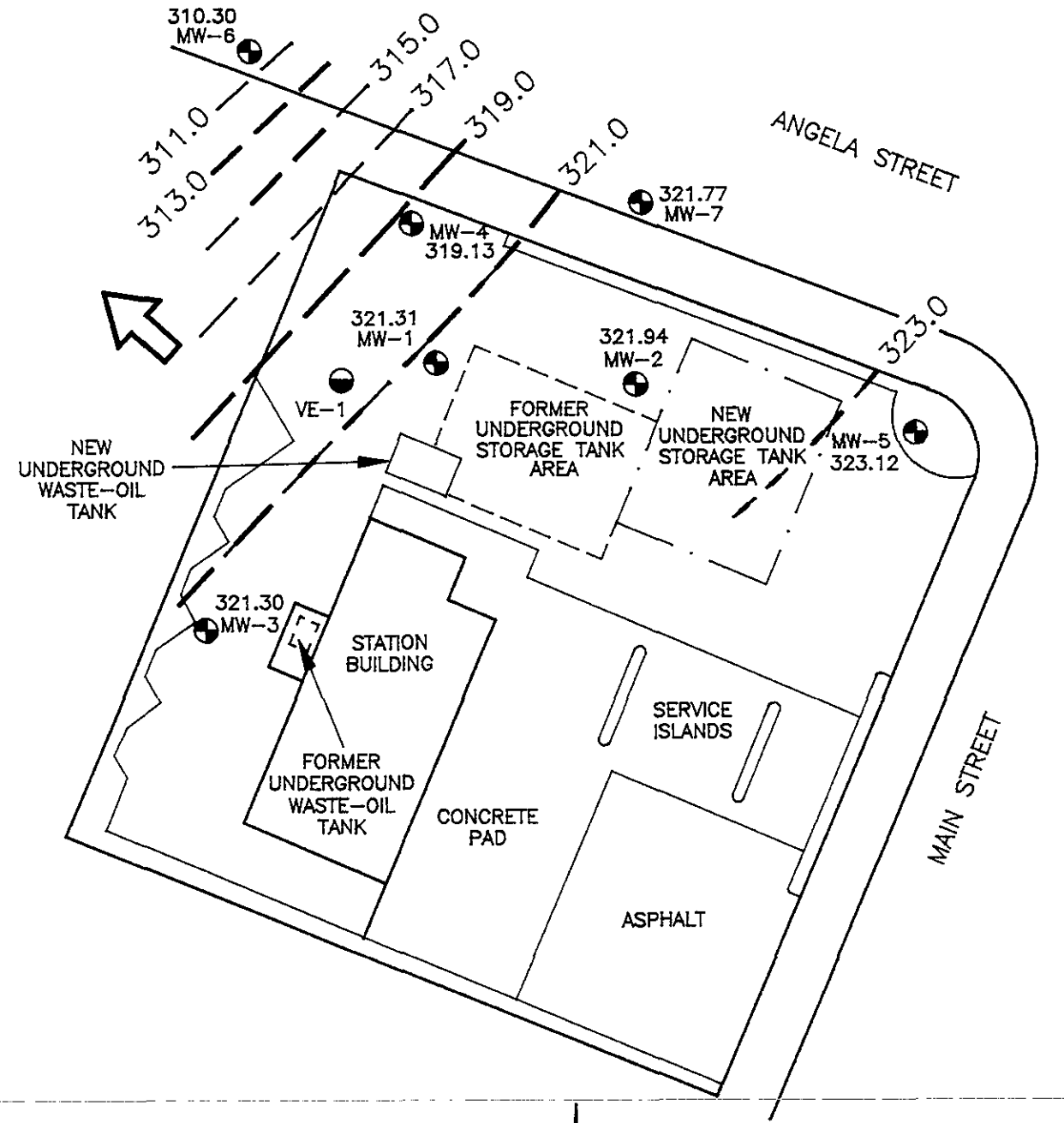
Approximate Scale
2000 1000 0 2000 4000
feet

RESNA

PROJECT NO. 19025-5

SITE VICINITY MAP
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE
1



323.0 = Line of equal elevation of groundwater in shallow saturated zone in feet above mean sea level

= Approximate direction of groundwater flow

MW-7 = Monitoring well

VE-1 = Vapor extraction well

NOTE: Contours based on interpretation of available data. Contours are not intended to imply certainty.

N

Approximate Scale

30 15 0 30 60

feet

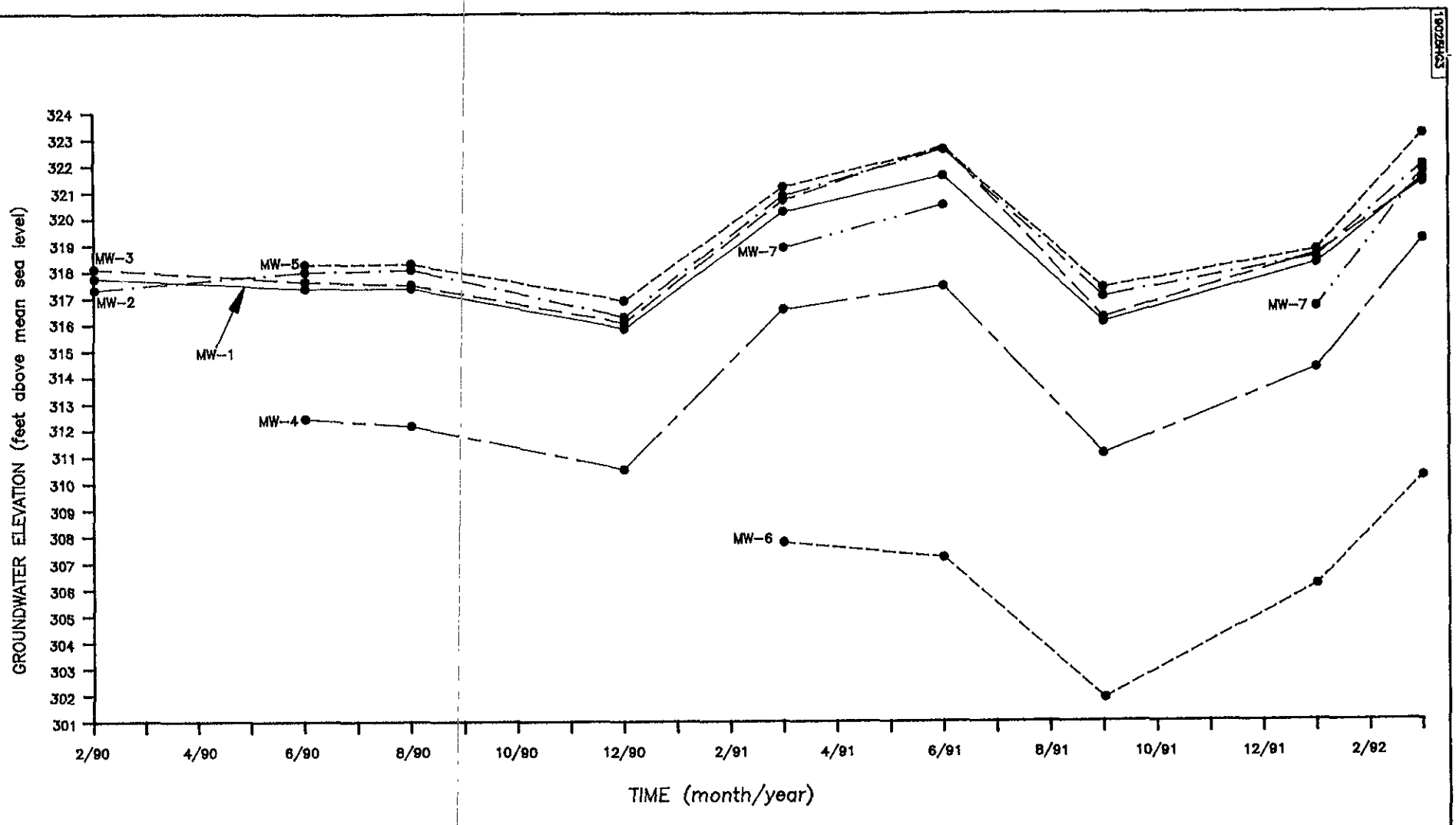
Source: Surveyed by Ron Archer Civil Engineer, Inc.

RESNA

PROJECT NO. 19025-5

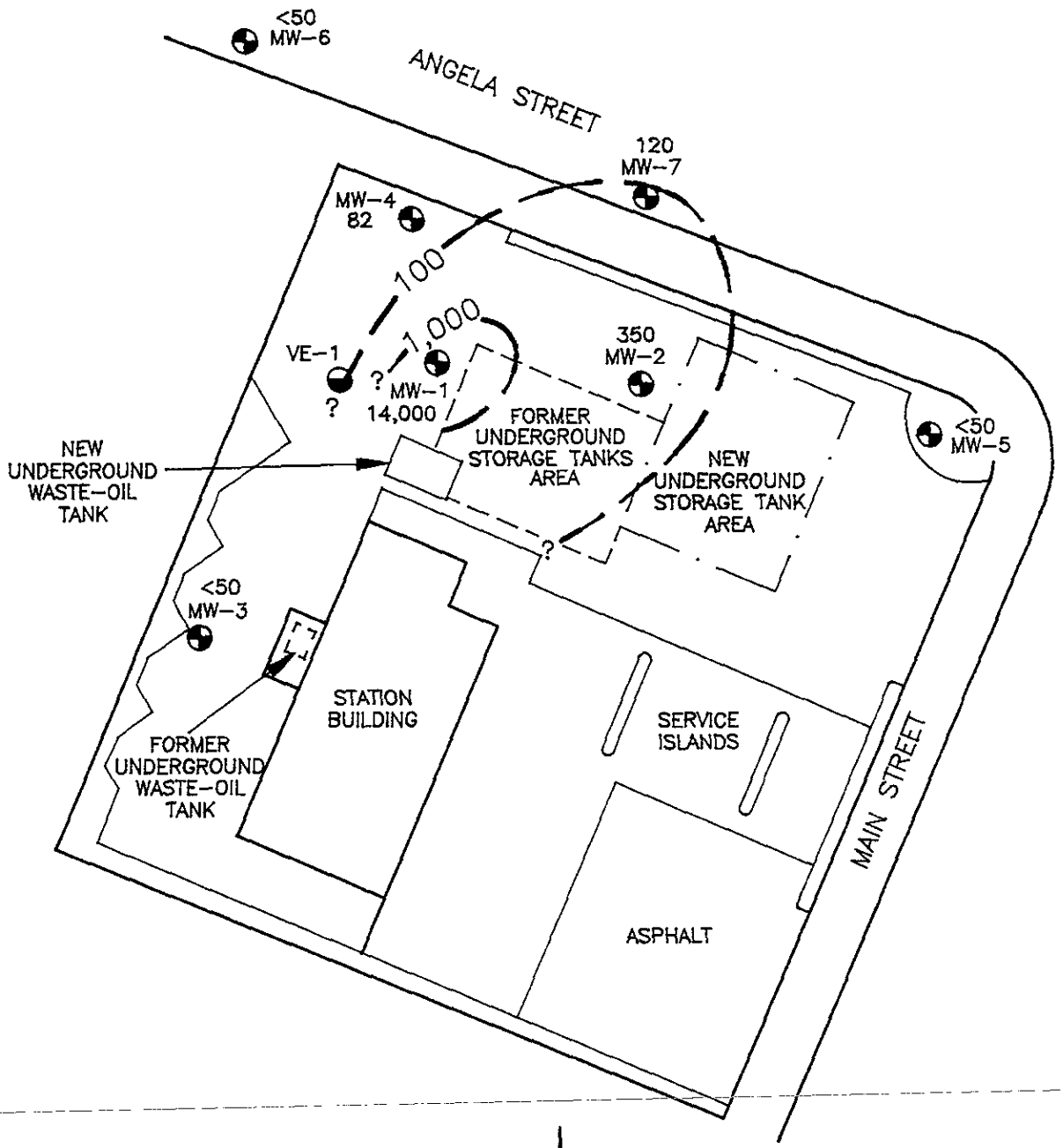
GENERALIZED SITE PLAN AND GROUNDWATER ELEVATION MAP
(March 12, 1992)
Exxon Service Station 7-7003
Pleasanton, California

PLATE 2



NOTE: Well MW-7 not accessible when 4th Quarter measurements were obtained.

PLATE	HYDROGRAPH	RESNA
3	Exxon Service Station 7-7003 349 Main Street Pleasanton, California	PROJECT NO. 19025-5



1,000 = Line of equal concentration in parts per billion

14,000 = Concentration in parts per billion

MW-5 = Groundwater monitoring well

VE-1 = Vapor extraction well

TPHg = Total Petroleum Hydrocarbons as gasoline

NOTE: Contours based on interpretation of available data. Contours are not intended to imply certainty.

N

Approximate Scale

30 15 0 30 60

feet

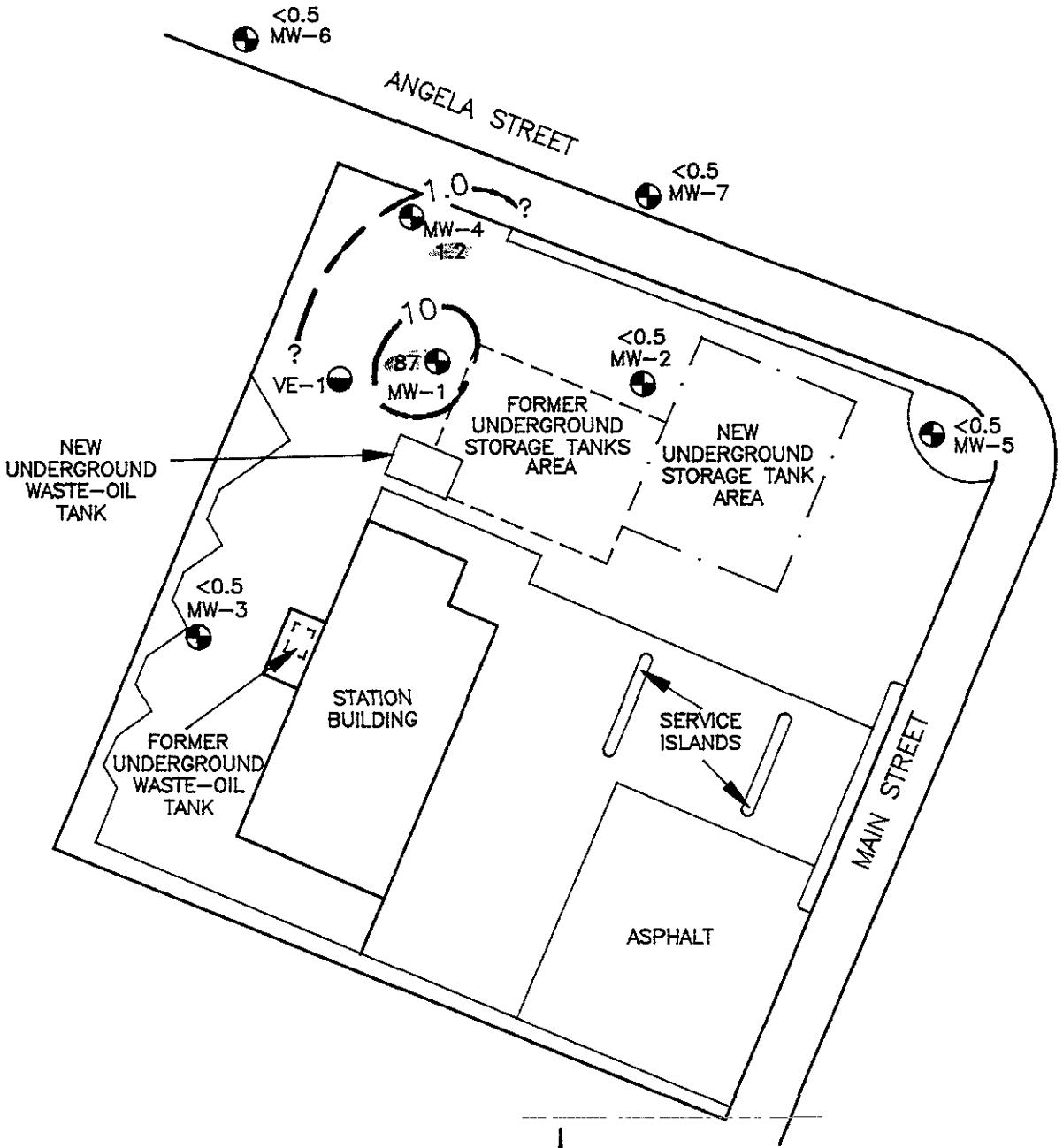
Source: Surveyed by Ron Archer Civil Engineer, Inc., 1990 and 1991

RESNA

PROJECT NO. 19025-5

CONCENTRATION OF TPHg IN GROUNDWATER (March 1992)
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE 4



10 = Line of equal concentration in parts per billion

87 = Concentration in parts per billion

MW-7 = Groundwater monitoring well

VE-1 = Vapor extraction well

NOTE: Contours based on interpretation of available data. Contours are not intended to imply certainty.

N

Approximate Scale

30 15 0 30 60

feet

Source: Surveyed by Ron Archer Civil Engineer, Inc., 1990 and 1991

RESNA

PROJECT NO. 19025-5

CONCENTRATION OF BENZENE IN GROUNDWATER (March 1992)
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE 5

RESNA

ATTACHMENT I

FIELD PROCEDURES

FIELD PROCEDURES

Subjective Evaluations

Before water samples were collected for subjective evaluations, the depth to static water level was measured in each well to the nearest 0.01 foot with a Solinst electronic water-level indicator. The groundwater samples were then collected from each well by gently lowering approximately half the length of a Teflon bailer past the air-water interface. The bailer was cleansed with Alconox, a commercial biodegradable detergent, and rinsed with distilled water prior to each use. The samples were retrieved and examined for evidence of floating product or sheen.

Groundwater Sampling

Prior to collecting groundwater samples, each well was purged of approximately 3 to 4 well volumes of water with a Teflon bailer that was cleansed with Alconox and rinsed with distilled water prior to each use. A water sample was collected from each well after the well had recharged to more than 80 percent of the static level. Half the length of the bailer was lowered past the air-water interface to retrieve the sample. The bailer was retrieved and water samples were slowly decanted into laboratory-cleaned sample containers. For TPHg, BTEX, and VOC analyses, 40-milliliter, volatile organic analysis glass vials with Teflon-lined caps were used. Hydrochloric acid was added to the samples as a preservative. For organic lead and TOG analyses, the groundwater samples were collected in 1-liter glass bottles and sulfuric acid was added to the TOG sample until pH was less than 2. The sample containers were promptly capped, labeled, and placed in iced storage for transport to state certified analytical laboratories for analysis.

Purged Water

Purged water from the wells were stored onsite in 17E 55-gallon steel drums approved for this use by the Department of Transportation. The water is scheduled to be removed from the site by Erickson, Inc. of Richmond, California, in April 1992.

RESNA

ATTACHMENT II

WELL PURGE DATA SHEETS

EXCELTECH, INC.

SHEET 1

JOB NAME: EXXON, Main St. Pleasanton

DATE: 3-12-13 92

JOB NO.: 19025-3

SAMPLED BY: R Ackur

PHASE: Oxdx.

LABORATORY: Pace

TASK: Sampling

DRUMS AT SITE: FULL 9

SUBTASK: _____

EMPTY _____

WELL NO.	DEPTH TO WATER (FT.)	WELL DEPTH (FT.)	TIME (W*L)	PURGE VOLUME (GAL.)	°F TEMP. (°C)	x 1000 COND. (UMHO/CM)	D.O. (MG/L)	pH	OBSERVATIONS
MW1	22.52'	39.27'	11:30	11 22 33 Sample	70.4 70.5 70.5 72.1	623 622 630 661		682 656 655 675	Pressure on dep. Clear Odor No sheen 22.54' at Smpl. ICC
MW2	22.28'	39.18'	11:25	11 22 33 Sample	74.0 75.0 74.4 71.9	610 627 628 629		667 668 663 666	Pressure on dep. Clear No Odor No Sheen 22.25' at Smple. IC
MW3	21.60'	39.00'	11:10	11.5 23 35 Sample	74.9 73.9 72.0 69.7	1046 1039 1041 1055		602 624 624 628	Pressure on dep. Clear No Odor No Sheen 21.90' at Smpl. IC
MW4	24.25'	47.55'	11:15	15.4 31 46 Sample	66.0 66.7 66.8 66.5	557 630 636 608		642 662 658 667	Clear No Odor No Sheen 26.80' at Smpl. IC
MW5	22.08'	33.35'	11:00	7.5 15 23 Sample	70.6 70.5 71.4 71.6	1074 1073 1081 1080		598 616 623 624	Clear No Odor No Sheen 7190 at Smpl. IC
MW6	31.95'	58.02'	10:55	17 34 51 Sample	73.4 71.2 70.3 71.6	1032 1059 1054 1067		604 631 634 654	Clear No Odor No Sheen 32.26' at Smpl. IC
MW7	21.85'	44.90'	10:45	15 30 45 Sample	69.8 70.5 70.3 71.8	1065 1052 1055 1077		596 595 603 640	Clear No Odor No Sheen 21.65' at Smpl. IC

41674 CHRISTY ST., FREMONT, CA 94538
(415) 659-0404

RESNA

ATTACHMENT III

CHAIN OF CUSTODY RECORDS AND ANALYSIS REPORTS

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11 Digital Drive, 94949
(415) 883-6100

☐ Irvine, CA
Alton Business Park
30 Hughes St., Suite 206, 92718
(714) 380-9559

EXXON COMPANY, U.S.A.
P.O. Box 4415, Houston, TX 77210-4415
CHAIN OF CUSTODY

2/3
1 of 3

Consultant Name: Kesra
Address: 42501 Albrae, Fremont, CA.
Project Contact: Brian Worden Project #: 1905.3
Phone #: 510-659-0404 Fax #:
Consultant Work Release #:

Exxon Contact: Marla Gunsler Phone #:
Site RAS #: ~~7-3983~~ 7003
Site Location: Main St. Pleasanton
Laboratory Work Release #:

Sampled by (please print): Robin A. Adair
Sampler Signature: Robin A. Adair Date Sampled: 3/12-13/92

Sample Description	Collection Date/Time	Matrix	Prsv.	# of Cont.	SOIL: TPH/GAS/BTEX EPA 8015/8020	SOIL: TPH/Diesel EPA 8015	SOIL: Organic Lead DHS Method	WATER: TPH/GAS/BTEX EPA 8015/602	WATER: TPH/Diesel EPA 8015	WATER: Organic Lead DHS Method	TRPH EPA 418.1	Total Oil & Grease SM 5520	601/8010				Remarks
MW1	3-13-92 2:45		HCl	3				X									labelled 3/12
			None	3	4000.0								X				
			None	1L						X			→				Hold Organic Lead
MW2	3-13-92 2:15		HCl	3				X									
			None	3	4001.9								X				
			None	1L													Hold Organic Lead
MW3	3-12-92 4:30		HCl	3				X									
			None	3	4002.7								X				706 Pres. upon receipt
			None	1L	rec'd 3/16							X					Hold Organic Lead

Cooler No.: G11, 10/1
Cooler Seal Intact: ☐ Yes ☐ No
Turnaround Time (circle choice): 24 hr. 48 hr. 72 hr. 96 hr. ~~5 workday~~ (standard) Standard
Shipment Method:
Shipment Date:

Relinquished by/Affiliation	Accepted by/Affiliation	Date	Time
Robin A. Adair	Gary Resra	3-16-92	7:45
Robin A. Adair	Ed Walter Pace	3/16/92	1510
Ed Walter Pace	Gina Meyers Pace	3/16	1710

Additional Comments: all org-Pb's need in plastic containers

Distribution: White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

4203-16.511

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P.O. Box 4415, Houston, TX 77210-4415
CHAIN OF CUSTODY

2 of 3

Consultant Name: Kesra
Address: 42501 Albrae, Fremont, CA.
Project Contact: Brian Warden Project #: 19025-3
Phone #: 510 · 659-0404 Fax #:
Consultant Work Release #:

Exxon Contact: Marla Gronster Phone #:
Site RAS #: 7-3983 7003
Site Location: Main St. Pleasanton, CA.
Laboratory Work Release #:

Sampled by (please print): Robin A. Adair 3-12-13-92 Date Sampled
Sampler Signature: Robin A. Adair

Sample Description	Collection Date/Time	Matrix	Prsv.	# of Cont.	SOIL: TPH/GAS/BTEX EPA 8015/8020	SOIL: TPH/Diesel EPA 8015	SOIL: Organic Lead DHS Method	WATER: TPH/GAS/BTEX EPA 8015/602	WATER: TPH/Diesel EPA 8015	WATER: Organic Lead DHS Method	TRPH EPA 418.1	Total Oil & Grease SM 5520	60/8010				Remarks
MW4	3-13-92 1:30		HCl	3				X									
			None	3	A003.5								X				
			None	1L													Hold organic Lead
MW5	3-12-92 3:45		HCl	3				X									
			None	3	A004.3								X				
			None	1L													Hold organic Lead
MW6	3-12-92 3:00		HCl	3				X									
			None	3	A005.1								X				
			None	1L													Hold organic Lead

Cooler No.	Relinquished by/Affiliation	Accepted by/Affiliation	Date	Time
Cooler Seal Intact ☒ Yes ☐ No	Robin A. Adair	Resra	3-16-92	7:45
	Robin A. Adair	[illegible] - Resra	3/16	1510
Turnaround Time (circle choice) 24 hr. 48 hr. 72 hr. 96 hr. 5 workday (standard)	[illegible] - Resra	[illegible] - Resra	3/16	1710
Shipment Method				
Shipment Date				

Additional Comments:
Org-Pb recd in plastic containers

Distribution: White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

420316.511

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P.O. Box 4415, Houston, TX 77210-4415
CHAIN OF CUSTODY

3 of 3

Consultant Name: Kesrg
Address: 42501 Albrae, Fremont, CA.
Project Contact: Brian Worden Project #: 19025-3
Phone #: 510-659-0104 Fax #:
Consultant Work Release #:

Exxon Contact: Marla Guenster Phone #:
Site RAS #: 7-3783, 7003
Site Location: Main St. Pleasanton, CA.
Laboratory Work Release #:

Sampled by (please print): Robin A. Adair
Sampler Signature: Robin A. Adair Date Sampled: 3-12-92

Sample Description	Collection Date/Time	Matrix	Prsv.	# of Cont.	SOIL: TPH/GAS/BTEX EPA 8015/8020	SOIL: TPH/Diesel EPA 8015	SOIL: Organic Lead DHS Method	WATER: TPH/GAS/BTEX EPA 8015/602	WATER: TPH/Diesel EPA 8015	WATER: Organic Lead DHS Method	TRPH EPA 418.1	Total Oil & Grease SM 5520	60/8010				Remarks
MW7	3-12-92 2:00		HCl	3				X									
		none		3									X				
		none		14	A006.0												Hold Organic Lead
BB1	3-12-92 1:50		HCl	3	A007.8												Hold labelled as unpres.

Cooler No.	Relinquished by/Affiliation	Accepted by/Affiliation	Date	Time
Cooler Seal Intact ☒ Yes ☐ No	Robin A. Adair	Exp. Fedex	3-16-92	7:45
	Robin A. Adair	Ed Notty - Pace	3/16	1510
Turnaround Time (circle choice) 24 hr. 48 hr. 72 hr. 96 hr. 5 ~~workdays~~ (standard)	Ed Notty - Pace	Tina Meyers / Pace	3/16	1710

Shipment Method:
Shipment Date:

Additional Comments:
Org Pb recd in plastic containers

Distribution: White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

4205316.011

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P.O. Box 4415, Houston, TX 77210-4415

CHAIN OF CUSTODY

1 of 1

Consultant Name: Rsana
Address: 42501 Albrae St., Suite 100, Fremont
Project Contact: Brian Warden Project #: 19025.3
Phone #: (510) 659-0404 Fax #:
Consultant Work Release #: 900660 59

Exxon Contact: Phone #:
Site RAS #: 7-7093
Site Location: Main St. Pleasanton
Laboratory Work Release #:

Sampled by (please print)
Sampler Signature Date Sampled

Sample Description	Collection Date/Time	Matrix	Prsv.	# of Cont.	SOIL: TPH/GAS/BTEX EPA 8015/8020	SOIL: TPH/Diesel EPA 8015	SOIL: Organic Lead DHS Method	WATER: TPH/GAS/BTEX EPA 8015/602	WATER: TPH/Diesel EPA 8015	WATER: Organic Lead DHS Method	TRPH EPA 418.1	Total Oil & Grease SM 5520					Remarks
MW1	3-13-92	W		1						X			53	14.5			AKA 4000.0
MW2	3-13-92	W		1						X				15.3			AKA 4001.9
MW3	3-12-92	W		1						X				16.1			AKA 4002.7
MW4	3-13-92	W		1						X				17.0			AKA 4003.5
MW5	3-12-92	W		1						X				18.8			AKA 4004.3
MW6	3-12-92	W		1						X				19.6			AKA 4005.1
MW7	3-12-92	W		1						X				20.0			AKA 4006.0

Cooler No: 6/1, 10/1
Cooler Seal Intact
☐ Yes
☐ No

Relinquished by/Affiliation	Accepted by/Affiliation	Date	Time
	Samantha PACE	3/25/92	-

Turnaround Time (circle choice)
24 hr.
48 hr.
72 hr.
96 hr.
5 workday (standard)

Shipment Method

Shipment Date

Additional Comments: Originally logged in under project # 420316 511
All org Pb's received in plastic containers

Distribution: White - Original Yellow - Exxon Pink - Lab Goldenrod - Consultant Field Staff

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REPORT OF LABORATORY ANALYSIS

April 03, 1992

Mr. Brian Worden
Resna/Applied Geosystems
42501 Albrae St.,Suite 100
Fremont, CA 94538

RE: PACE Project No. 420316.511
Client Reference: Exxon 7-7003

Dear Mr. McVicker:

Enclosed is the report of laboratory analyses for samples received March 16, 1992.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Carol Reid

Carol Reid
Project Manager

Enclosures

11 Digital Drive
Novato, CA 94949
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FAX: 415-883-2673

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REPORT OF LABORATORY ANALYSIS

Resna/Applied Geosystems
4201 Albrae St., Suite 100
Fremont, CA 94538

April 03, 1992
PACE Project Number: 420316511

Mr. Brian Worden

Client Reference: Exxon 7-7003

Parameter	Units	MDL	70 0040000 (3/12)	DATE ANALYZED
PACE Sample Number:				
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 1	
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	1200	14000	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	12	87	03/17/92
Toluene	ug/L	12	22	03/17/92
Ethylbenzene	ug/L	12	1200	03/17/92
Xylenes, Total	ug/L	12	1000	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	2.1	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	14	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	1.2	03/17/92
Trichloroethene (TCE)	ug/L	0.5	0.5	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

Parameter	Units	MDL	70 0040000 (3/12)	DATE ANALYZED
PACE Sample Number:				
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 1	
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	0.8	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			91%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			93%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Brian Worden
Page 3

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040019	
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	350	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	ND	03/17/92
Toluene	ug/L	0.5	0.6	03/17/92
Ethylbenzene	ug/L	0.5	3.0	03/17/92
Xylenes, Total	ug/L	0.5	1.0	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL. Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Brian Worden
Page 4

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040019	
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 2	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			87%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			89%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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THE ASSURANCE OF QUALITY

REPORT OF LABORATORY ANALYSIS

Mr. Brian Worden
Page 5

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040027	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 3	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	ND	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	ND	03/17/92
Toluene	ug/L	0.5	ND	03/17/92
Ethylbenzene	ug/L	0.5	ND	03/17/92
Xylenes, Total	ug/L	0.5	ND	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0040027	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 3	
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			110%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			85%	03/17/92
TOTAL OIL AND GREASE (SM 5520)				
Total Oil & Grease SM 5520	mg/L	5.0	ND	03/19/92
Date Extracted			03/18/92	

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr. Brian Worden
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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040035	
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 4	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	82	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	1.2	03/17/92
Toluene	ug/L	0.5	ND	03/17/92
Ethylbenzene	ug/L	0.5	5.3	03/17/92
Xylenes, Total	ug/L	0.5	4.3	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0040035	
Date Collected:			03/13/92	
Date Received:			03/16/92	
Client Sample ID:			MW 4	
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			109%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			84%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0040043	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 5	
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	ND	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	ND	03/17/92
Toluene	ug/L	0.5	ND	03/17/92
Ethylbenzene	ug/L	0.5	ND	03/17/92
Xylenes, Total	ug/L	0.5	ND	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040043	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 5	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			115%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			83%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

Parameter	Units	MDL		DATE ANALYZED
PACE Sample Number:			70 0040051	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 6	
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	ND	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	ND	03/17/92
Toluene	ug/L	0.5	ND	03/17/92
Ethylbenzene	ug/L	0.5	ND	03/17/92
Xylenes, Total	ug/L	0.5	ND	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040051	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 6	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			113%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			83%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040060	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
TPH GASOLINE/BTEX				
TOTAL FUEL HYDROCARBONS, (LIGHT):			-	03/17/92
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	120	03/17/92
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-	03/17/92
Benzene	ug/L	0.5	ND	03/17/92
Toluene	ug/L	0.5	ND	03/17/92
Ethylbenzene	ug/L	0.5	ND	03/17/92
Xylenes, Total	ug/L	0.5	ND	03/17/92
PURGEABLE HALOCARBONS, EPA METHOD 601				
Dichlorodifluoromethane	ug/L	2.0	ND	03/17/92
Chloromethane	ug/L	2.0	ND	03/17/92
Vinyl Chloride	ug/L	2.0	ND	03/17/92
Bromomethane	ug/L	2.0	ND	03/17/92
Chloroethane	ug/L	2.0	ND	03/17/92
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND	03/17/92
1,1-Dichloroethene	ug/L	0.5	ND	03/17/92
Methylene Chloride	ug/L	2.0	ND	03/17/92
trans-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
cis-1,2-Dichloroethene	ug/L	0.5	ND	03/17/92
1,1-Dichloroethane	ug/L	0.5	ND	03/17/92
Chloroform	ug/L	0.5	ND	03/17/92
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND	03/17/92
Carbon Tetrachloride	ug/L	0.5	ND	03/17/92
1,2-Dichloroethane (EDC)	ug/L	0.5	ND	03/17/92
Trichloroethene (TCE)	ug/L	0.5	ND	03/17/92
1,2-Dichloropropane	ug/L	0.5	ND	03/17/92
Bromodichloromethane	ug/L	0.5	ND	03/17/92
2-Chloroethylvinyl ether	ug/L	0.5	ND	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0040060	
Date Collected:			03/12/92	
Date Received:			03/16/92	
Client Sample ID:			MW 7	
Parameter	Units	MDL		DATE ANALYZED
ORGANIC ANALYSIS				
PURGEABLE HALOCARBONS, EPA METHOD 601				
cis-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
trans-1,3-Dichloropropene	ug/L	0.5	ND	03/17/92
1,1,2-Trichloroethane	ug/L	0.5	ND	03/17/92
Tetrachloroethene	ug/L	0.5	ND	03/17/92
Dibromochloromethane	ug/L	0.5	ND	03/17/92
Chlorobenzene	ug/L	0.5	ND	03/17/92
Bromoform	ug/L	0.5	ND	03/17/92
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND	03/17/92
1,3-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,4-Dichlorobenzene	ug/L	0.5	ND	03/17/92
1,2-Dichlorobenzene	ug/L	0.5	ND	03/17/92
Bromochloromethane (Surrogate Recovery)			109%	03/17/92
1,4-Dichlorobutane (Surrogate Recovery)			83%	03/17/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

These data have been reviewed and are approved for release.

Mark A. Valentini

Mark A. Valentini, Ph.D.
Regional Director

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QUALITY CONTROL DATA

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PURGEABLE HALOCARBONS, EPA METHOD 601
Batch: 70 10776
Samples: 70 0040000, 70 0040019, 70 0040027, 70 0040035, 70 0040043
70 0040051, 70 0040060

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Dichlorodifluoromethane	ug/L	2.0	ND
Chloromethane	ug/L	2.0	ND
Vinyl Chloride	ug/L	2.0	ND
Bromomethane	ug/L	2.0	ND
Chloroethane	ug/L	2.0	ND
Trichlorofluoromethane (Freon 11)	ug/L	2.0	ND
1,1-Dichloroethene	ug/L	0.5	ND
Methylene Chloride	ug/L	2.0	ND
trans-1,2-Dichloroethene	ug/L	0.5	ND
cis-1,2-Dichloroethene	ug/L	0.5	ND
1,1-Dichloroethane	ug/L	0.5	ND
Chloroform	ug/L	0.5	ND
1,1,1-Trichloroethane (TCA)	ug/L	0.5	ND
Carbon Tetrachloride	ug/L	0.5	ND
1,2-Dichloroethane (EDC)	ug/L	0.5	ND
Trichloroethene (TCE)	ug/L	0.5	ND
1,2-Dichloropropane	ug/L	0.5	ND
Bromodichloromethane	ug/L	0.5	ND
2-Chloroethylvinyl ether	ug/L	0.5	ND
cis-1,3-Dichloropropene	ug/L	0.5	ND
trans-1,3-Dichloropropene	ug/L	0.5	ND
1,1,2-Trichloroethane	ug/L	0.5	ND
Tetrachloroethene	ug/L	0.5	ND
Dibromochloromethane	ug/L	0.5	ND
Chlorobenzene	ug/L	0.5	ND
Bromoform	ug/L	0.5	ND
1,1,2,2-Tetrachloroethane	ug/L	0.5	ND
1,3-Dichlorobenzene	ug/L	0.5	ND
1,4-Dichlorobenzene	ug/L	0.5	ND
1,2-Dichlorobenzene	ug/L	0.5	ND

MDL Method Detection Limit

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QUALITY CONTROL DATA

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

PURGEABLE HALOCARBONS, EPA METHOD 601
Batch: 70 10776
Samples: 70 0040000, 70 0040019, 70 0040027, 70 0040035, 70 0040043
70 0040051, 70 0040060

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Bromochloromethane (Surrogate Recovery)			111%
1,4-Dichlorobutane (Surrogate Recovery)			90%

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
1,1-Dichloroethane	ug/L	0.5	10.00	113%	119%	5%
Trichloroethene (TCE)	ug/L	0.5	10.00	100%	106%	5%
trans-1,3-Dichloropropene	ug/L	0.5	3.8	110%	108%	1%
Tetrachloroethene	ug/L	0.5	10.00	116%	119%	2%

MDL Method Detection Limit
RPD Relative Percent Difference

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QUALITY CONTROL DATA

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

TOTAL OIL AND GREASE (SM 5520)
Batch: 70 10838
Samples: 70 0040027

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Total Oil & Grease SM 5520	mg/L	5.0	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Total Oil & Grease SM 5520	mg/L	5.0	20	100%	100%	0%

MDL Method Detection Limit
RPD Relative Percent Difference

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QUALITY CONTROL DATA

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

TPH GASOLINE/BTEX
Batch: 70 10766
Samples: 70 0040019, 70 0040027, 70 0040035, 70 0040043, 70 0040051
70 0040060

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	293	95%	84%	12%
Benzene	ug/L	0.5	40.0	100%	101%	0%
Toluene	ug/L	0.5	40.0	101%	102%	0%
Ethylbenzene	ug/L	0.5	40.0	102%	104%	1%
Xylenes, Total	ug/L	0.5	80.0	102%	103%	0%

MDL Method Detection Limit
RPD Relative Percent Difference

Mr. Brian Worden
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QUALITY CONTROL DATA

April 03, 1992
PACE Project Number: 420316511

Client Reference: Exxon 7-7003

TPH GASOLINE/BTEX
Batch: 70 10777
Samples: 70 0040000

METHOD BLANK:

Parameter	Units	MDL	Method Blank
TOTAL FUEL HYDROCARBONS, (LIGHT):			-
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	ND
PURGEABLE AROMATICS (BTXE BY EPA 8020):			-
Benzene	ug/L	0.5	ND
Toluene	ug/L	0.5	ND
Ethylbenzene	ug/L	0.5	ND
Xylenes, Total	ug/L	0.5	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Purgeable Fuels, as Gasoline (EPA 8015)	ug/L	50	349	109%	109%	0%
Benzene	ug/L	0.5	40.0	102%	103%	0%
Toluene	ug/L	0.5	40.0	99%	105%	5%
Ethylbenzene	ug/L	0.5	40.0	98%	103%	4%
Xylenes, Total	ug/L	0.5	80.0	99%	104%	4%

MDL Method Detection Limit
RPD Relative Percent Difference

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REPORT OF LABORATORY ANALYSIS

April 02, 1992

Mr. Brian Worden
Resna
42501 Albrae Street,Suite 100
Fremont, CA 94538

RE: PACE Project No. 420325.514
Client Reference: Exxon 7-7003

Dear Brian :

Enclosed is the report of laboratory analyses for samples received March 25, 1992.

If you have any questions concerning this report, please feel free to contact us.

Sincerely,

Carol Reid

Carol Reid
Project Manager

Enclosures

11 Digital Drive
Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

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REPORT OF LABORATORY ANALYSIS

Resna
42501 Albrae Street,Suite 100
Fremont, CA 94538

April 02, 1992
PACE Project Number: 420325514

Attn: Mr.Brian Worden

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053145	
Date Collected:			03/13/92	
Date Received:			03/25/92	
Client Sample ID:			MW 1	
Parameter	Units	MDL	AKA:4000.0	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
Page 2

April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053153	
Date Collected:			03/13/92	
Date Received:			03/25/92	
Client Sample ID:			MW 2	
Parameter	Units	MDL	AKA:4001.9	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
Page 3

April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053161	
Date Collected:			03/12/92	
Date Received:			03/25/92	
Client Sample ID:			MW 3	
Parameter	Units	MDL	AKA:4002.7	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
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April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053170	
Date Collected:			03/13/92	
Date Received:			03/25/92	
Client Sample ID:			MW 4	
Parameter	Units	MDL	AKA:4003.5	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
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April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053188	
Date Collected:			03/12/92	
Date Received:			03/25/92	
Client Sample ID:			MW 5	
Parameter	Units	MDL	AKA:4004.3	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
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April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053196	
Date Collected:			03/12/92	
Date Received:			03/25/92	
Client Sample ID:			MW 6	
Parameter	Units	MDL	AKA:4005.1	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

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REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
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April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

PACE Sample Number:			70 0053200	
Date Collected:			03/12/92	
Date Received:			03/25/92	
Client Sample ID:			MW 7	
Parameter	Units	MDL	AKA:4006.0	DATE ANALYZED
INORGANIC ANALYSIS				
ORGANIC LEAD IN WATER; DHS METHOD #338				
Organic Lead, as Pb	mg/L	0.1	ND	04/02/92

MDL Method Detection Limit
ND Not detected at or above the MDL.

These data have been reviewed and are approved for release.

Mark A. Valentini

Mark A. Valentini, Ph.D.
Regional Director

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Novato, CA 94949
TEL: 415-883-6100
FAX: 415-883-2673

REPORT OF LABORATORY ANALYSIS

Mr.Brian Worden
Page 8

QUALITY CONTROL DATA

April 02, 1992
PACE Project Number: 420325514

Client Reference: Exxon 7-7003

Organic Lead, as Pb
Batch: 70 11219
Samples: 70 0053145, 70 0053153, 70 0053161, 70 0053170, 70 0053188
70 0053196, 70 0053200

METHOD BLANK:

Parameter	Units	MDL	Method Blank
Organic Lead, as Pb	mg/L	0.1	ND

LABORATORY CONTROL SAMPLE AND CONTROL SAMPLE DUPLICATE:

Parameter	Units	MDL	Reference Value	Recv	Dupl Recv	RPD
Organic Lead, as Pb	mg/L	0.1	1.25	98%	102%	4%

MDL Method Detection Limit
ND Not detected at or above the MDL.
RPD Relative Percent Difference

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