Applied GeoSystems 43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

• FREMONT • IRVINE • HOUSTON • BOSTON • SACRAMENTO • CULVER CITY • SAN JOSE

LETTER REPORT
GROUND-WATER MONITORING REPORT
FOR FOURTH QUARTER 1990

at

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

3-13-91

AGS Job No. 19025-3

Applied GeoSystems 43255 Mission Boulevard, Fremont, CA 94539 (415) 651-1906

• FREMONT • IRVINE • HOUSTON • BOSTON • SACRAMENTO • CULVER CITY • SAN JOSE

March 13, 1991
AGS 19025-3

Mr. Gary Gibson
Exxon Company U.S.A.
2300 Clayton Road
Suite 1250
Concord, California 94520

Subject: Letter Report of Quarterly Ground-Water Monitoring for Fourth Quarter 1990 at Exxon Service Station 7-7003, 349 Main Street, Pleasanton, California

Mr. Gibson:

This letter report summarizes the quarterly ground-water monitoring for fourth quarter 1990 by Applied GeoSystems (AGS) at Exxon Service Station 7-7003. The Exxon site is located at 349 Main Street on the southwest corner of Angela and Main Streets in Pleasanton, California (Plate P-1). Features of the site include a service station building and two service islands that dispense gasoline. New underground storage tanks (USTs) for gasoline are located northeast of the station building and a waste-oil UST is northwest of the station building (Plate P-2).

Background

In June 1989, and at the request of Exxon Company U.S.A. (Exxon), AGS conducted a soil-vapor survey at the site prior to the removal and replacement of the USTs. In July 1989, Exxon removed three 8,000-gallon steel gasoline USTs and a waste-oil UST, and in August 1989, new fiberglass tanks were installed. The locations of the former USTs are shown on Plate P-2. Soil samples collected by AGS indicated the presence of low concentrations of TPHg (up to 150 parts per million [ppm]) in the northern part of the excavation (AGS Report No. 19025-1, October 1, 1990).

Between January and June 1990, AGS drilled 13 boreholes around the former USTs, installed ground-water monitoring wells (MW-1 through MW-5) in five of the boreholes, and analyzed soil and ground-water samples on behalf of Exxon. The results of soil analyses suggested that soil containing TPHg concentrations greater than 100 ppm exist just southwest of the former fuel UST excavation. Laboratory analysis results indicated ground

water below the site was impacted by petroleum hydrocarbons (AGS Report No. 19025-2, August 1, 1990).

Field and Laboratory Activities

On December 18, 1990, an AGS representative measured depth to water and subjectively evaluated ground water in the monitoring wells. Ground water in each well was then purged and sampled for laboratory analysis. Field activities were in accordance with the attached Field Procedures.

Ground-water samples were submitted to the Applied Analytical laboratory (State Certification No. 1211) in Fremont, California. These samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by modified Environmental Protection Agency (EPA) Method 8015, and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 602. The sample from well MW-3 was also analyzed for total petroleum hydrocarbons as oil and grease (TOG) by Standard Method 5520B/F. In addition, the ground-water sample from well MW-3 was submitted to state certified Chromalab, Inc. (Certification No. E694) in San Ramon, California, and analyzed for volatile organic compounds (VOCs) by EPA Method 601. Ground-water samples were also submitted to Mobil Chem Labs, Inc. in Martinez, California, and analyzed for organic lead using the method described in the state Leaking Underground Fuel Tank (LUFT) manual. The Chain of Custody Record and Analysis Reports are attached to this report.

Ground-Water Gradient and Flow Direction

Ground-water levels fell an average of 1.6 feet between August and December 1990 (Table 1). A hydrograph was prepared for wells MW-1 through MW-5 to show ground-water elevation differences in each well and illustrate trends in water levels for 1990 (Plate P-3). In general, water levels in the five wells have fallen during 1990. No floating product or sheen was observed on ground water in wells MW-1 through MW-5 during the December 1990 visit. Cumulative results of subjective evaluations are presented in Table 1.

Depth to water measurements and wellhead elevations were used to calculate the ground-water surface elevation in each well (Table 1). A plot of the ground-water surface elevation data suggests that ground water below the site flows toward the northwest with a gradient of approximately 0.025 (Plate P-4). This flow is similar to the ground-water flow directions inferred from the March, June, and August 1990 elevation data.

Water Analysis Results

Concentrations of TPHg ranged from 0.05 to 0.47 parts per million (ppm), and benzene ranged from nondetectable to 0.009 ppm. Table 2 summarizes the analysis results of ground water samples from the Exxon site. Until December 1990, the data suggested a general increase in gasoline hydrocarbon concentrations in ground water below the site. Concentrations of TPHg and BTEX decreased sharply in December 1990. This decrease in gasoline hydrocarbon levels may be a result of gradually decreasing water levels.

Plots of the TPHg and benzene concentrations for August 1990 indicates the plume of dissolved hydrocarbons encompasses the area of the former fuel USTs and extends toward the former waste-oil UST (Plates P-5 and P-6).

Laboratory results also showed no detectable organic lead in the ground water from the wells (Table 3). The ground-water sample from well MW-3, which is adjacent to the former waste-oil UST location, indicated no detectable TOG, but contained 0.0041 ppm tetrachloroethene.

Recommendations

AGS recommends continued quarterly monitoring of the ground water in the wells. The next monitoring event is scheduled for March 1991. We also recommend that lead analyses be discontinued since no total lead or organic lead has been detected in ground water at the site since March 1990.

AGS recommends copies of this report be forwarded to:

- Mr. Lester Feldman, California Regional Water Quality Control Board, San Francisco Bay Region, 1800 Harrison Street, Suite 700, Oakland, California 94612; and

- Mr. Rick Mueller, Pleasanton Fire Department, 44 Railroad Street, Pleasanton, California 94566.

Please call if you have any questions.

Sincerely,
Applied GeoSystems

Jo Ellen Kruegmand
for
Keith M. McVicker
Project Geologist

Joan E. Tiernan
Registered Civil Engineer
No. 044600

Enclosures:
- Table 1, Results of Subjective Evaluations of Ground Water
- Table 2, Results of Ground-Water Analysis for Gasoline Hydrocarbon Compounds
- Table 3, Results of Ground-Water Analysis for Lead, TOG, and VOCs.
- Plate P-1, Site Vicinity Map
- Plate P-2, Generalized Site Plan
- Plate P-3, Hydrograph
- Plate P-4, Ground-Water Surface Map (December 18, 1990)
- Plate P-5, Concentration of TPHg in Ground Water (December 18, 1990)
- Plate P-6, Concentration of Benzene in Ground Water (December 18, 1990)

Attachments:
- Field Procedures
- Chain of Custody Record and Analysis Reports

Draft Date: February 9, 1991
Final Date: March 13, 1991

TABLE 1
CUMULATIVE RESULTS OF SUBJECTIVE EVALUATIONS OF GROUND WATER

Date	Depth to Water (ft)	Ground-Water Elevation (ft)	Product Thickness (ft)	Sheen
MW-1	(Wellhead Elevation = 343.83 ft)			
2/90	26.08	317.75	None	None
6/90	26.49	317.34	None	None
8/90	26.47	317.36	None	None
12/90	28.00	315.83	None	None
MW-2	(Wellhead Elevation = 344.22 ft)			
2/90	26.31	317.31	None	None
6/90	26.25	317.97	None	None
8/90	26.15	318.07	None	None
12/90	27.94	316.28	None	None
MW-3	(Wellhead Elevation = 342.90 ft)			
2/90	24.78	318.12	None	None
6/90	25.29	317.61	None	None
8/90	25.40	317.50	None	None
12/90	26.84	316.06	None	None
MW-4	(Wellhead Elevation = 343.38 ft)			
6/90	30.94	312.44	None	None
8/90	31.21	312.17	None	None
12/90	32.86	310.52	None	None
MW-5	(Wellhead Elevation = 345.20 ft)			
6/90	26.94	318.26	None	None
8/90	26.90	318.30	None	None
12/90	28.31	316.89	None	None

Elevations relative to mean sea level datum. (Surveyed by Ron Archer Civil Engineer, Inc.)

TABLE 2
CUMULATIVE RESULTS OF GROUND-WATER ANALYSES
FOR GASOLINE HYDROCARBONS

Sample Number	Date	TPHg ppm	Benzene ppm	Toluene ppm	Ethyl-benzene ppm	Total Xylenes ppm
MW-1						
W-28-MW1	3/90	3.3	0.021	0.0092	0.059	0.0190
W-27-MW1	6/90	1.3	0.0079	0.0059	0.032	0.058
W-29-MW1	8/90	2.5	0.077	0.280	0.050	0.250
W-28-MW1	12/90	0.39	0.009	0.002	0.043	0.040
MW-2						
W-29-MW2	3/90	0.065	0.0030	0.0020	0.00098	0.0065
W-27-MW2	6/90	0.67	<0.0005	0.0026	<0.0005	<0.0005
W-28-MW2	8/90	1.3	0.024	0.130	0.037	0.170
W-28-MW2	12/90	0.47	<0.0003	0.0005	0.001	0.003
MW-3						
W-27-MW3	3/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005
W-27-MW3	6/90	0.20	<0.0005	<0.0005	<0.0005	<0.0005
W-27-MW3	8/90	3.2	0.054	0.380	0.023	0.400
W-27-MW3	12/90	0.20	0.008	0.012	0.006	0.024
MW-4						
W-34-MW4	6/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005
W-33-MW4	8/90	0.120	0.0052	0.0054	0.0054	0.0099
W-33-MW4	12/90	0.050	0.0007	0.001	<0.0003	0.002
MW-5						
W-26-MW5	6/90	<0.020	<0.0005	<0.0005	<0.0005	<0.0005
W-28-MW5	8/90	0.210	0.0097	0.012	0.0076	0.017
W-28-MW5	12/90	0.19	0.002	0.0035	0.002	0.008

TPHg = total petroleum hydrocarbons.
ppm = parts per million
< = below the detection limits of the analysis.
Sample designation = W-26-MW5
W = Water sample.
26 = Sample depth in feet.
MW5 = Well number.

TABLE 3
RESULTS OF GROUND-WATER ANALYSIS FOR LEAD, TOG, AND VOCs

Sample Number	Date	Lead	TOG	VOCs
MW-1				
W-28-MW1	3/90	0.01	---	---
W-27-MW1	6/90	<0.05	---	---
W-29-MW1	8/90	<0.05	---	---
W-28-MW1	12/90	<0.1 *	---	---
MW-2				
W-29-MW2	3/90	0.008	---	---
W-27-MW2	6/90	<0.05	---	---
W-28-MW2	8/90	<0.05	---	---
W-28-MW2	12/90	<0.1 *	---	---
MW-3				
W-27-MW3	3/90	0.01	---	---
W-27-MW3	6/90	<0.05	---	---
W-27-MW3	8/90	<0.05	---	---
W-27-MW3	12/90	<0.1 *	<5.0	0.0041■
MW-4				
W-34-MW4	6/90	<0.05	---	---
W-33-MW4	8/90	<0.05	---	---
W-33-MW4	12/90	<0.1 *	---	---
MW-5				
W-26-MW5	6/90	0.06	---	---
W-28-MW5	8/90	<0.05	---	---
W-28-MW5	12/90	<0.1 *	---	---

Results are in parts per million (ppm).
* = Organic lead
■ = Tetrachloroethene
< = Below the detection limits of the analysis.
Sample designation = W-26-MW5
- W = Water sample.
- 26 = Sample depth in feet.
- MW5 = Well number.

EXXON COMPANY, U.S.A.

POST OFFICE BOX 4032 • CONCORD, CA 94524-2032

ENVIRONMENTAL ENGINEERING

G. D. GIBSON
SENIOR ENVIRONMENTAL ENGINEER

March 20, 1991

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:

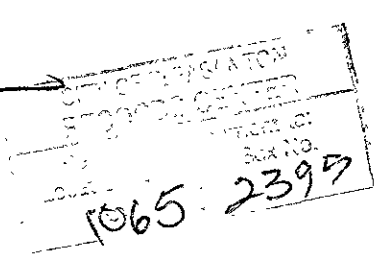
Attached for your review and comment is the Letter Report on Fourth Quarter 1990 Groundwater Monitoring for the above referenced Exxon Company, U.S.A. facility in the City of Pleasanton. This report, by Applied GeoSystems of Fremont, California, details the sampling and monitoring activities performed during December, 1990.

This monitoring event showed both a decrease in the level of dissolved hydrocarbons in the groundwater and a decrease in the water level at the site. A work plan for additional work at this site, to include four soil borings and two offsite monitoring wells, is being submitted under separate cover.

Please contact me at (415) 246-8768 if you should have any questions or concerns about this report. Thank you.

Sincerely,

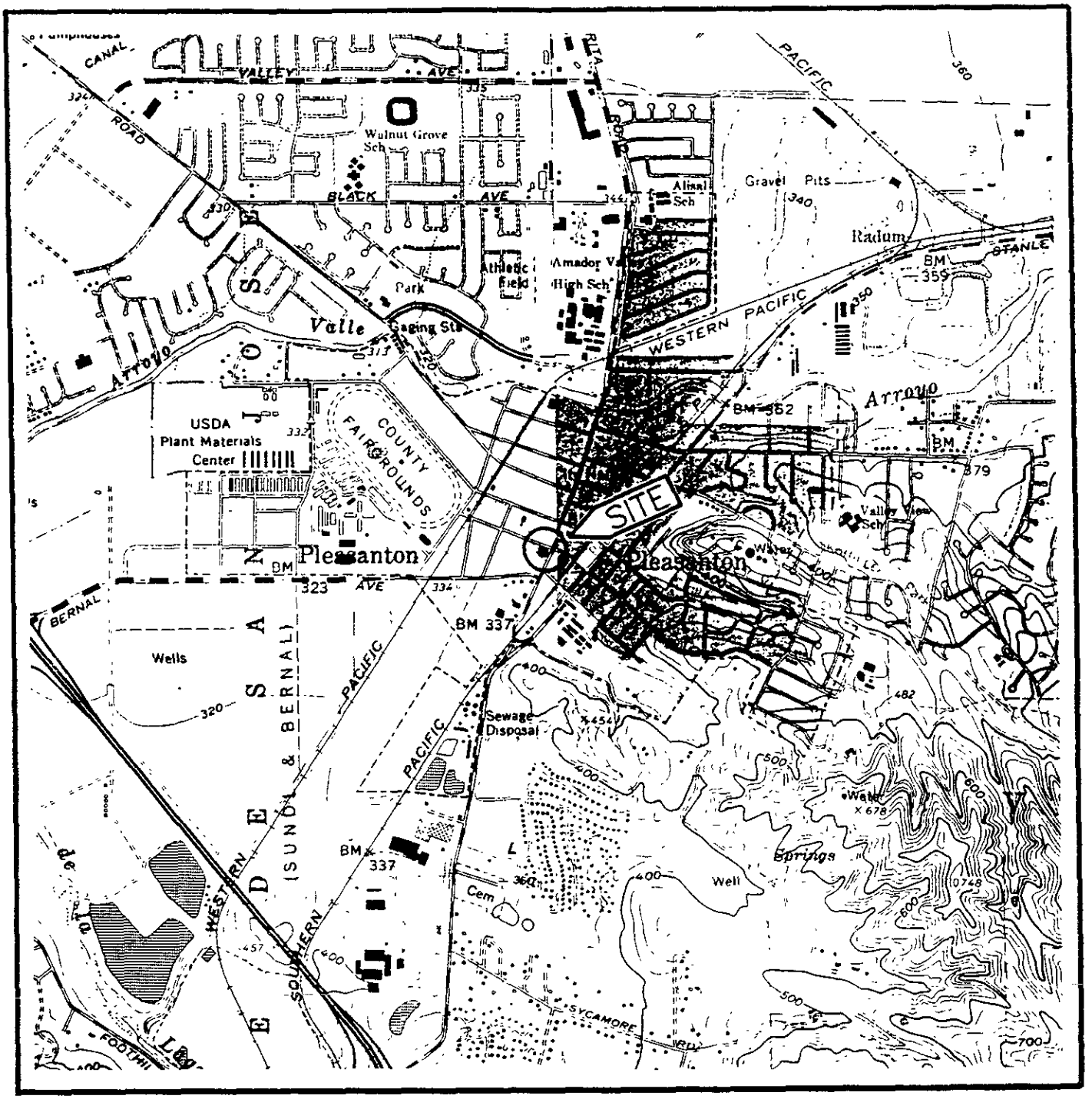
Gary D. Gibson



GDG:hs
0331E
Attachment

c - w/attachment:
Mr. L. Feldman - San Francisco Bay Region Water Quality Control Board

w/o attachment:
Ms. M. D. Baca
Mr. D. J. Bertoch
Mr. P. J. Brininstool
Mr. J. R. Hastings
Mr. R. C. Witham - Applied GeoSystems



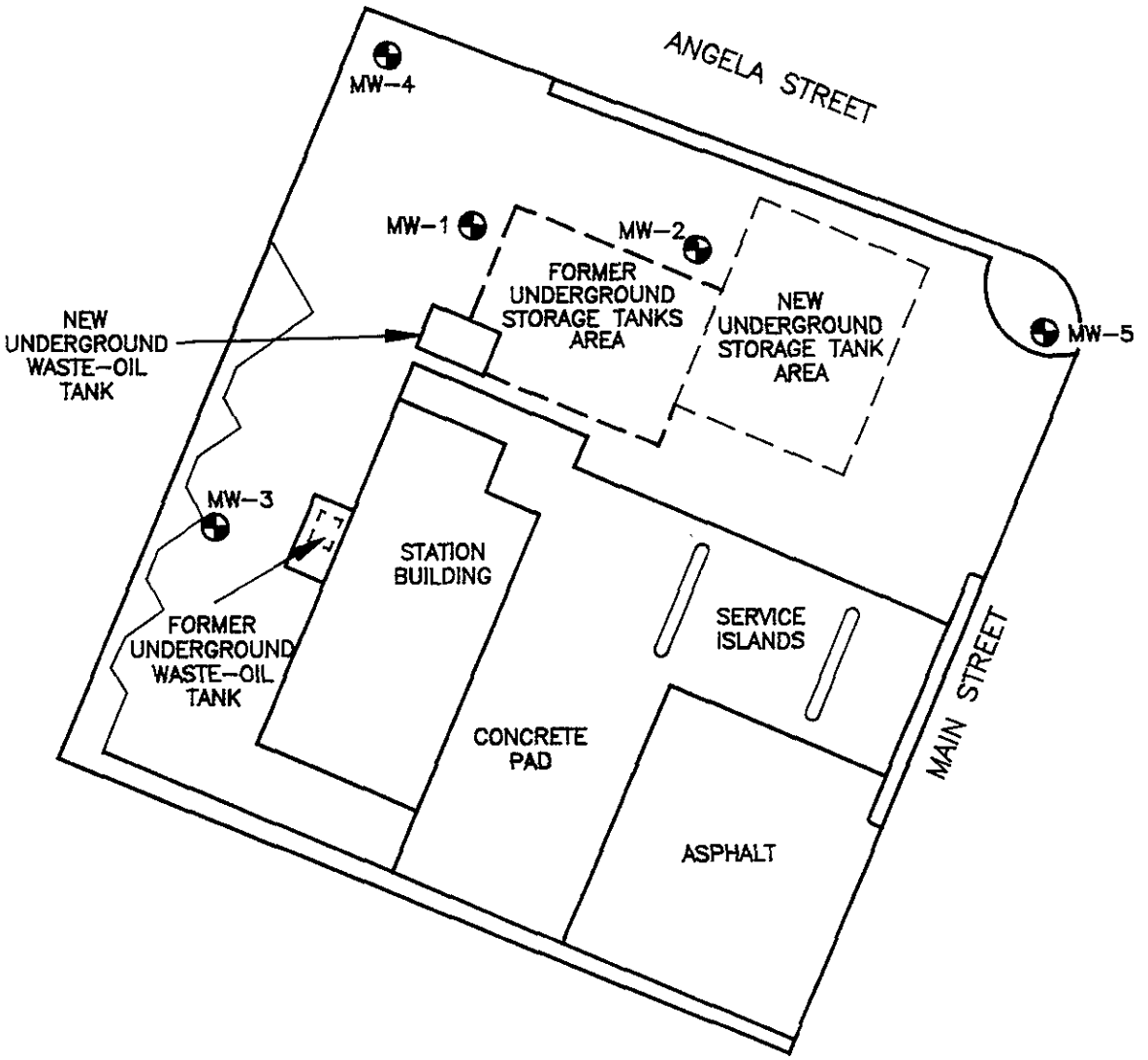
Source: U.S. Geological Survey
7.5-Minute Quadrangle
Dublin/Livermore, California
Photorevised 1980

Applied GeoSystems

PROJECT NO. 19025-3

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

PLATE
P - 1



MW-5 = Monitoring well (Applied GeoSystems, 1990)

N

Approximate Scale

30 15 0 30 60

feet

Source : Modified from plan supplied by Exxon

Applied GeoSystems

PROJECT NO. 19025-3

GENERALIZED SITE PLAN
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE

P - 2

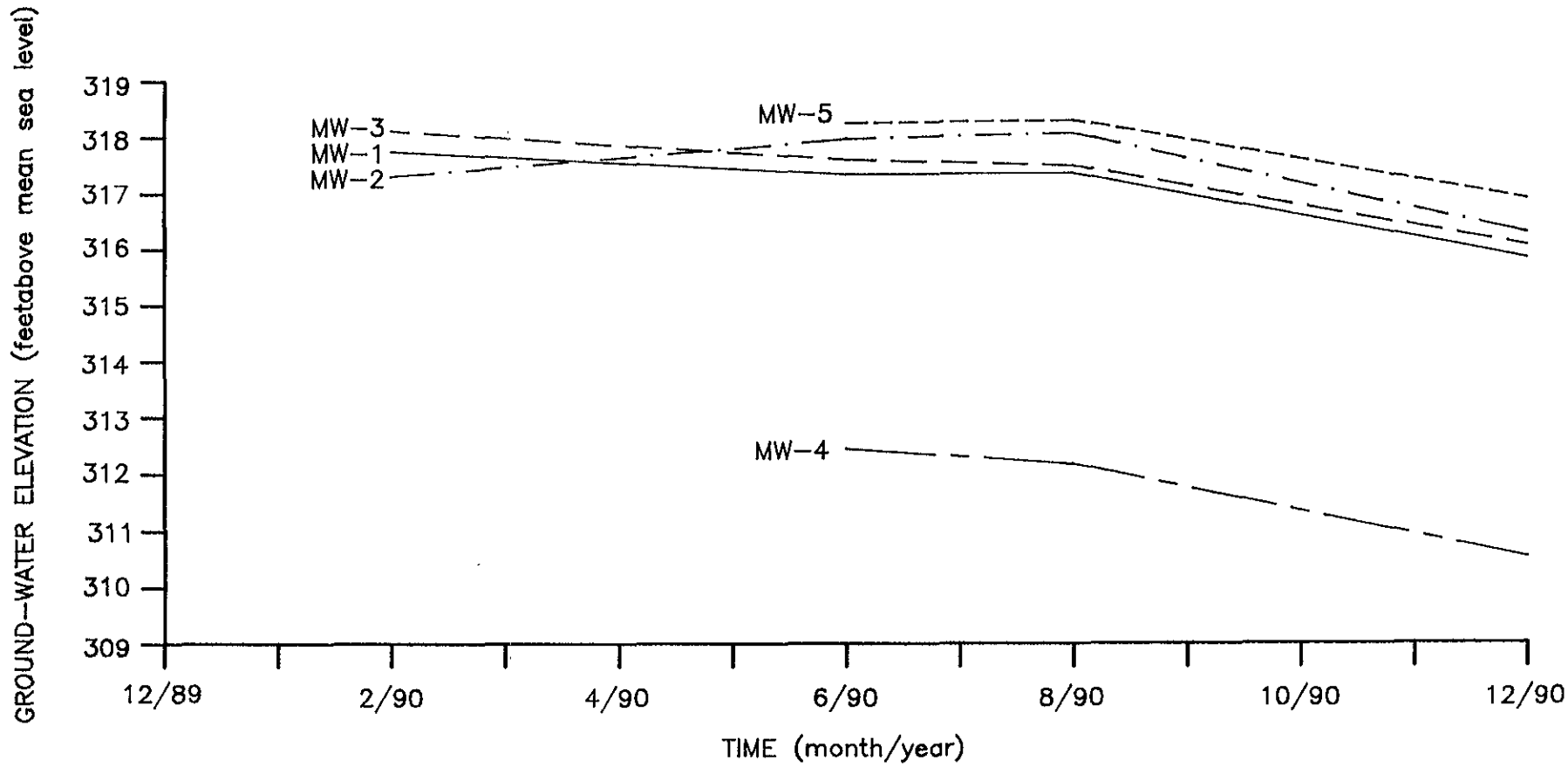
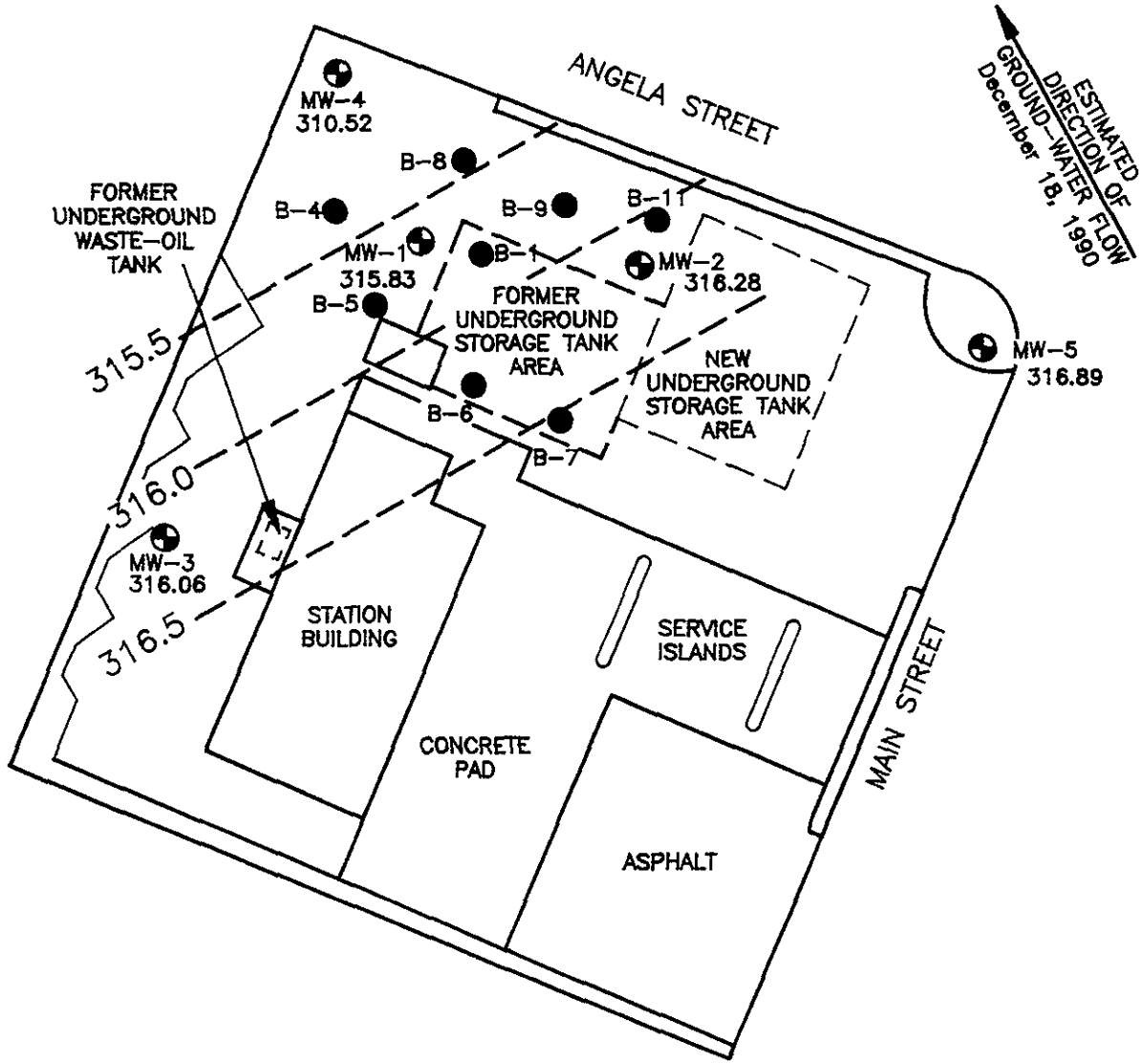


PLATE		
P - 3	**HYDROGRAPH** **Exxon Service Station No. 7-7003** **349 Main Street** **Pleasanton, California**	Applied GeoSystems **PROJECT NO. 19025-3**



316.5 = Line of equal elevation of ground water in feet above mean sea level

MW-5 = Monitoring well

B-11 = Soil boring

N

Approximate Scale

30 15 0 30 60

feet

Source : Modified from plan supplied by Exxon

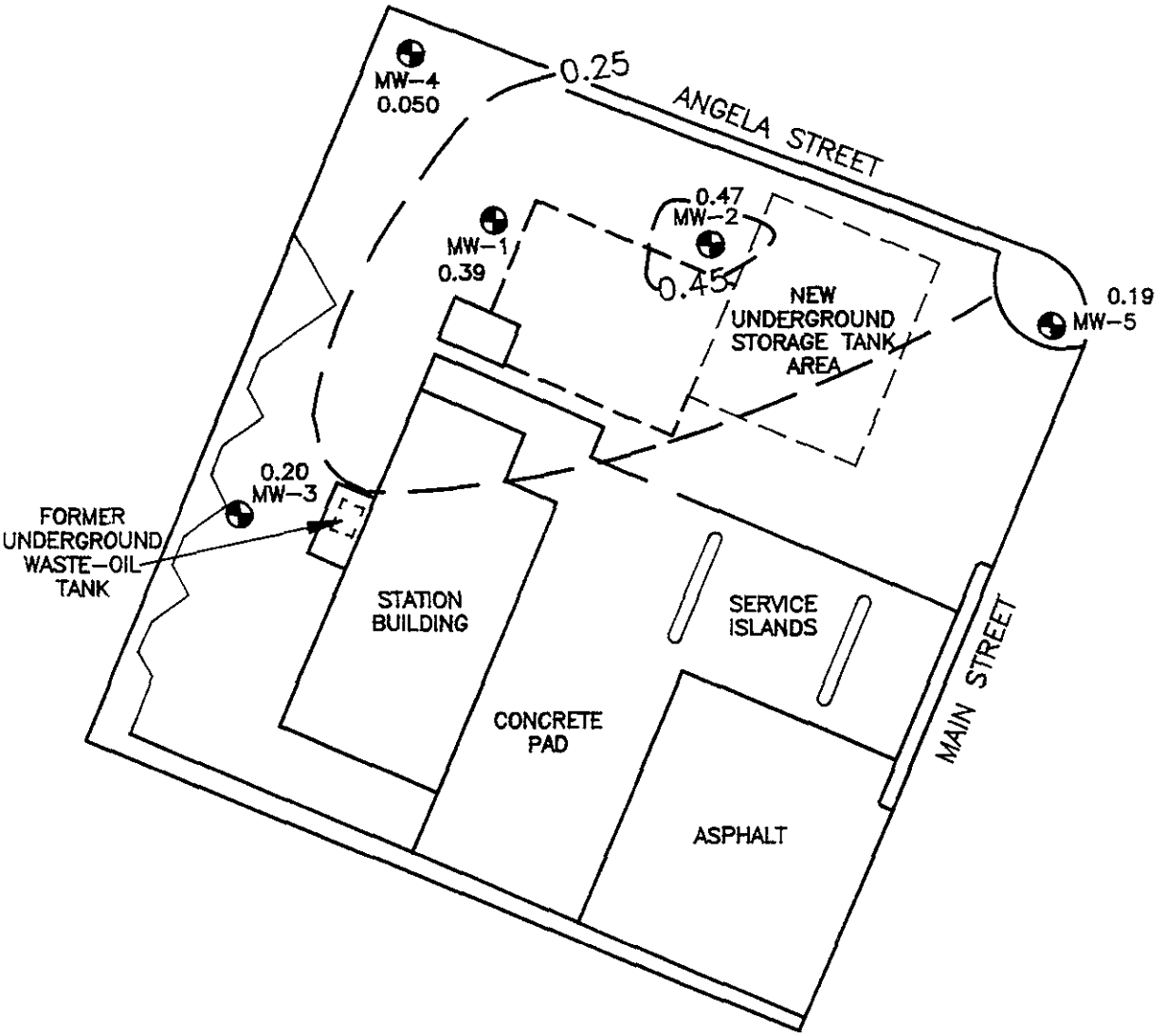
Applied GeoSystems

PROJECT NO. 19025-3

GROUND-WATER ELEVATION MAP
December 18, 1990
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE

P - 4



0.45 = Line of equal concentration in parts per million (ppm)

0.47 = Concentration in ppm

MW-5 = Monitoring well

TPHg = Total petroleum hydrocarbons as gasoline

N

Approximate Scale

30 15 0 30 60

feet

Source : Modified from plan supplied by Exxon

Applied GeoSystems

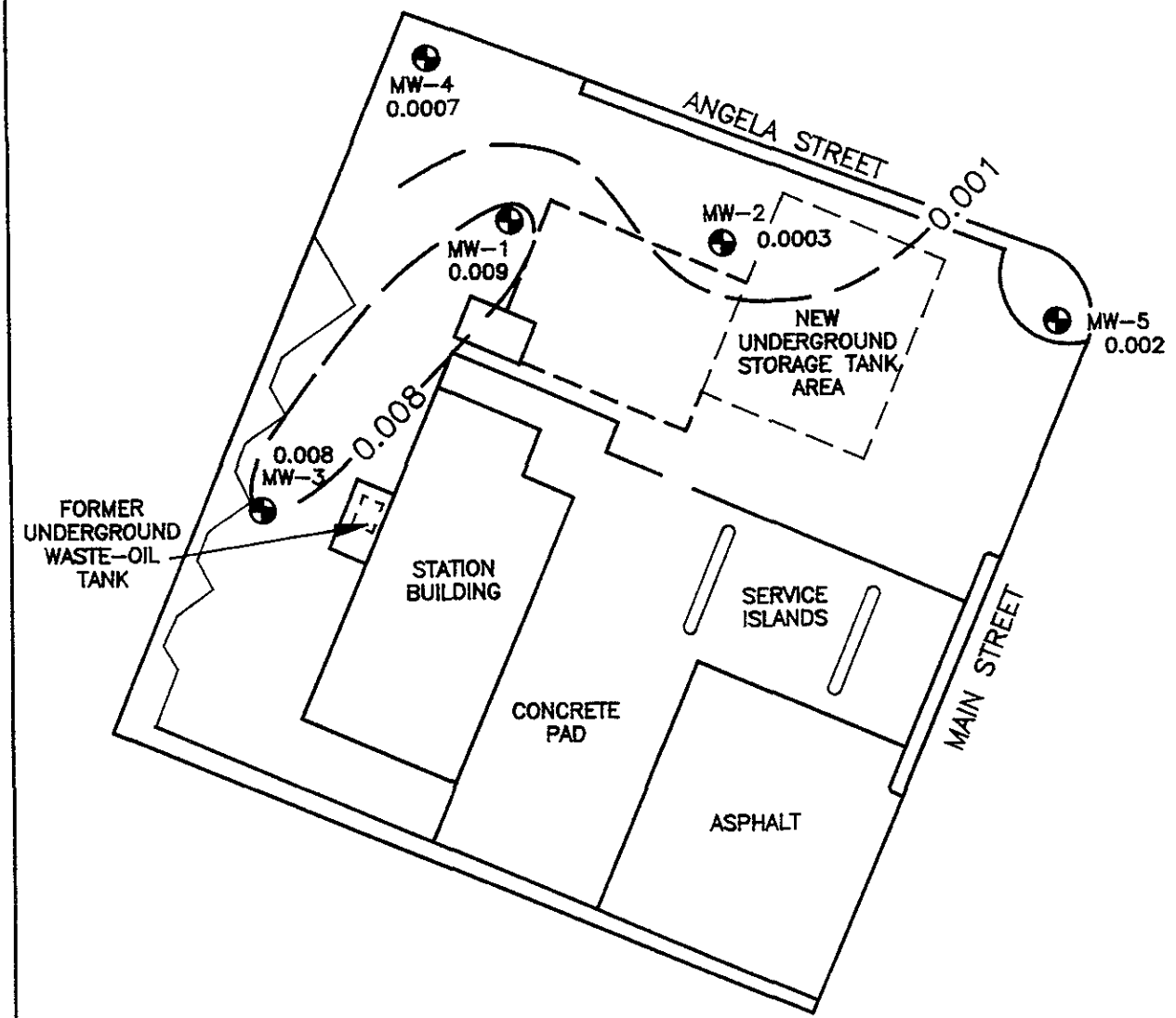
PROJECT NO. 19025-3

CONCENTRATION OF TPHg IN GROUND-WATER (December 18, 1990)
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE

P - 5

19025B12



0.008 = Line of equal concentration in parts per million (ppm)

0.009 = Concentration in ppm

MW-5 = Monitoring well

N

Approximate Scale

30 15 0 30 60

feet

Source : Modified from plan supplied by Exxon

Applied GeoSystems

PROJECT NO. 19025-3

CONCENTRATION OF BENZENE IN GROUND-WATER (December 18, 1990)
Exxon Service Station 7-7003
349 Main Street
Pleasanton, California

PLATE

P - 6

ATTACHMENTS

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 ground-water 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 washed with Alconox, a commercial biodegradable detergent, and rinsed with water before each use. The samples were retrieved and examined for evidence of floating product or sheen.

Ground-Water Sampling

Before ground-water samples were taken, each well was purged of approximately 3 to 4 well volumes of water. 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 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 analysis, the ground-water samples were collected in 1-liter glass bottles. 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 was removed from the site by H & H Environmental Services of San Francisco, California, on January 23, 1991.

Applied GeoSystems

CHAIN-OF-CUSTODY RECORD

PROJ. NO.	PROJECT NAME
19025-3	EXXON PLEASANTON
P.O. NO.	SAMPLERS (Signature)

DATE MM/DD/YY	TIME		No. of Containers	TPHgasoline (8015)	BTEX (602/8020)	TPHdiesel (8015)	ORGANIC LEAD	TOG	VOC (601)			Preserved?	REMARKS	LABORATORY I.D. NUMBER
				ANALYSIS										
12/18/00		W-28 - MW1	3	X	X		X					HCl/ICE		
"		W-28 - MW2	3	X	X		X					"		
		W-27 - MW3	6	X	X		X	X	X					
		W-33 - MW4	3	X	X		X							
		W-28 - MW5	3	X	X		X							

RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED BY (Signature):	Laboratory:	SEND RESULTS TO:
	12/18/00 4:15		AGS	**Applied GeoSystems** 42501 Albrae Street Fremont, CA 94538 (415) 651-1906
RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED BY (Signature):		
RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED FOR LABORATORY BY (Signature): 12-18-00 16:20	Turn Around: 2wk	Proj. Mgr.: JOELLEN

APPLIED ANALYTICAL

Environmental Laboratories

13844 Alton Pkwy.-Suite 140
Irvine, CA 92718
(714) 472-1020

ANALYSIS REPORT

Attention:	Jo Ellen	Date Sampled:	12-18-90
	Applied GeoSystems	Date Received:	12-18-90
	42501 Albrae Street	Date Analyzed:	12-30-90
	Fremont, CA 94538	Date Reported:	01-02-91
Project:	19025-3	Matrix:	Water

	Benzene	Toluene	Ethyl-benzene	Total Xylenes	TPH
Detection limit (ug/L)	0.30	0.30	0.30	0.50	50
Sample description					
W-28-MW1 2-012-128*	9.0	2.0	43	40	390
W-28-MW2 2-012-129*	<0.30	0.50	1.0	3.0	470
W-27-MW3 2-012-130*	8.0	12	6.0	24	200
W-33-MW4 2-012-131*	0.70	1.0	<0.30	2.0	50
W-28-MW5 2-012-132*	2.0	3.5	2.0	8.0	190

TPH = total petroleum hydrocarbons as gasoline.
ug/L = Micrograms per liter = ppb = parts per billion.
* = Laboratory identification number.

ANALYTICAL PROCEDURES

BTEX– Benzene, toluene, ethylbenzene and total xylene isomers are analyzed in accordance with EPA Method 5030, followed by EPA Method 8020.

TPH– Total petroleum hydrocarbons as gasoline are analyzed in accordance with EPA Method 5030, followed by modified EPA Method 8015.

APPLIED ANALYTICAL

Environmental Laboratories

42501 Albrae St., Suite 100
Fremont, CA 94538
Bus: (415) 623-0775
Fax: (415) 651-8647

ANALYSIS REPORT

1020lab.frm

Attention:	Ms. JoEllen Kuszmaul	Date Sampled:	12-18-90
	Applied GeoSystems	Date Received:	12-18-90
	42501 Albrae Street	TOG Analyzed:	12-30-90
	Fremont, CA 94538	Matrix:	Water
Project:	AGS 19025-3	Detection Limit:	5000 µg/L

SAMPLE Laboratory Identification	TOG (µg/L)
W-27-MW3 W1012319	ND

µg/L = micrograms per liter = ppb = parts per billion
ND = Not detected. Compound(s) may be present at concentrations below the detection limit.

ANALYTICAL PROCEDURES

TPH as Oil and Grease – Total Oil and Grease (TOG) of mineral or petroleum origin are measured by extraction and gravimetric analysis according to Standard Method 5520 B/F.

Laboratory Representative

January 4, 1991
Date Reported

APPLIED ANALYTICAL LABORATORY IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 1211)

Applied GeoSystems

CHAIN-OF-CUSTODY RECORD

CHROMALAB FILE # 1290122

PROJ. NO.	PROJECT NAME
19095-3	Exxon
P.O. NO.	SAMPLERS (Signature)

DATE (MM/DD/YY)	TIME		No. of Containers	TPHgasoline (8015)	BTEX (602/8020)	TPHdiesel (8015)	VOC (601)	Organic Pb			Preserved?	REMARKS	LABORATORY I.D. NUMBER
							ANALYSIS						
12-19-90		W-27-MW3	3				✓	✓					
		W-27-MW1	1					✓					
		W-27-MW2	1					✓					
		W-33-MW4	1					✓					
		W-28-MW5	1					✓					

RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED BY (Signature):	Laboratory:	SEND RESULTS TO:
	12/19/90 1030	Madeleine Merritt	Chromalab	Applied GeoSystems 42501 Albrae Street Fremont, CA 94538 (415) 651-1906
RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED BY (Signature):		
			Turn Around: Week	Proj. Mgr.: Jo Ellen.
RELINQUISHED BY (Signature):	DATE / TIME	RECEIVED FOR LABORATORY BY (Signature):		
Madeleine Merritt	12/21-90 1400			

CHROMALAB, INC.

Analytical Laboratory
Specializing in GC-GC/MS

- Environmental Analysis
- Hazardous Waste (#E694)
- Drinking Water (#955)
- Waste Water
- Consultation

January 2, 1991 ChromaLab File No.: 1290122

Client: APPLIED GEOSYSTEMS, INC. Attn: Jo Ellen
Date Sampled: Dec. 18, 1990 Date Submitted: Dec. 26, 1990
Date of Analysis: Dec. 31,1990

Project Name: EXXON Project No.: 19025-3
Sample I.D.: W-27-MW3
Method of Analysis: EPA 601 Detection Limit: 0.5 µg/L

COMPOUND NAME	µg/L	Spike Recovery
CHLOROMETHANE	N.D	---
VINYL CHLORIDE	N.D.	---
BROMOMETHANE	N.D.	---
CHLOROETHANE	N.D.	---
TRICHLOROFLUOROMETHANE	N.D.	---
1,1-DICHLOROETHENE	N.D.	93.5% 92.6%
METHYLENE CHLORIDE	N.D.	---
1,2-DICHLOROETHENE (TOTAL)	N.D.	---
1,1-DICHLOROETHANE	N.D.	---
CHLOROFORM	N.D.	---
1,1,1-TRICHLOROETHANE	N.D.	---
CARBON TETRACHLORIDE	N.D.	97.2% 90.3%
1,2-DICHLOROETHANE	N.D.	---
TRICHLOROETHENE	N.D.	---
1,2-DICHLOROPROPANE	N.D.	---
BROMODICHLOROMETHANE	N.D.	---
2-CHLOROETHYLVINYLETHER	N.D.	---
TRANS-1,3-DICHLOROPROPENE	N.D.	92.5% 90.1%
CIS-1,3-DICHLOROPROPENE	N.D.	---
1,1,2-TRICHLOROETHANE	N.D.	---
TETRACHLOROETHENE	4.1	---
DIBROMOCHLOROMETHANE	N.D.	---
CHLOROBENZENE	N.D.	98.1% 95.3%
ETHYL BENZENE	N.D.	---
BROMOFORM	N.D.	---
1,1,2,2-TETRACHLOROETHANE	N.D.	---
1,3-DICHLOROBENZENE	N.D.	---
1,4-DICHLOROBENZENE	N.D.	---
1,2-DICHLOROBENZENE	N.D.	---

ChromaLab, Inc.

David Duong
Senior Chemist

Eric Tam
Lab Director

2239 Omega Road, #1 • San Ramon, California 94583
415/831-1788 • Facsimile 415/831-8798
Federal ID #68-0140157

MOBILE CHEM LABS INC.

5021 Blum Road, Suite 3 • Martinez, CA 94553
Phone (415) 372-3700 • Fax (415) 372-6955

1290122/011622

Chromalab, Inc.
2239 Omega Road, #1
San Ramon, CA 94583
ATTN: Eric Tam
Project Manager

Date Sampled: 01-02-91
Date Received: 01-02-91
Date Reported: 01-08-91

ORGANIC LEAD

Sample Number	Sample Description	Detection Limit ppm	WATER RESULTS ppm
	Project No.: 1290122		
B011001	W-27-MW3	0.1	<0.1
B011002	W-28-MW1	0.1	<0.1
B011003	W-28-MW2	0.1	<0.1
B011004	W-33-MW4	0.1	<0.1
B011005	W-28-MW5	0.1	<0.1

QA/QC: Sample blank is none detected
Spike Recovery on B011001 is 79%

Note: California LUFT 12/87

MOBILE CHEM LABS

Ronald G. Evans
Lab Director