File No. 8-90-421-SI

QUARTERLY GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY LOCATED AT 400 SAN PABLO AVENUE ALBANY, CALIFORNIA JUNE 18, 1996

PREPARED FOR:
MR. MURRAY STEVENS
KAMUR INDUSTRIES
2351 SHORELINE DRIVE
ALAMEDA, CALIFORNIA 94501

PREPARED BY:
SOIL TECH ENGINEERING, INC.
1761 JUNCTION AVENUE
SAN JOSE, CALIFORNIA 95112

Fax #: (408) 441-0705

SOIL TECH ENGINEERING, INC.

LIST OF TABLES

TABLE 1 ... GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS.

LIST OF FIGURES

FIGURE 1 ... SITE VICINITY MAP SHOWING 400 SAN PABLO AVENUE, ALBANY, CALIFORNIA.

FIGURE 2 ... SITE PLAN SHOWING LOCATIONS OF BUILDINGS, EL CERRITO CREEK, MONITORING WELLS, GROUNDWATER FLOW DIRECTION AND CONTOUR LINES.

LIST OF APPENDICES

APPENDIX "A" ... TABLE 1.

APPENDIX "B" ... FIGURE 1 AND FIGURE 2.

APPENDIX "C" ... STANDARD OPERATING PROCEDURE.

APPENDIX "D" ... ANALYTICAL RESULTS REPORT AND CHAIN-OF-CUSTODY DOCUMENT.

TABLE OF CONTENTS

	PAGE NO.
LETTER OF TRANSMITTAL	1
BACKGROUND	1-2
GROUNDWATER MONITORING	2
GROUNDWATER SAMPLING	3
GROUNDWATER FLOW DIRECTION	3
ANALYTICAL RESULTS	3-4
DISCUSSION	4
RECOMMENDATION	4
LIMITATIONS	4-5

APPENDIX "A"

TABLE 1 - GROUNDWATER MONITORING DATA AND ANALYTICAL RESULTS	T1-T11

APPENDIX "B"

FIGURE 1 - VICINITY MAP	M1
FIGURE 2 - SITE PLAN	M2

APPENDIX "C"

GROUNDWATER SAMPLING	SOP1

APPENDIX "D"

PRIORITY ENVIRONMENTAL LABS REPORT AND CHAIN-OF-CUSTODY

SOIL TECH ENGINEERING
Soil, Foundation and Geological Engineers
1761 JUNCTION AVENUE, SAN JOSE, CA 95112 - (408) 441-1881

June 18, 1996

File No. 8-90-421-SI

Mr. Murray Stevens
Kamur Industries, Inc.
2351 Shoreline Drive
Alameda, California 94501

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING AT THE PROPERTY
Located at 400 San Pablo Avenue, in
Albany, California

Dear Mr. Stevens:

This report presents the results of quarterly groundwater monitoring and sampling conducted by Soil Tech Engineering, Inc. *(STE)*, on June 7, 1996, at the subject site (Figure 1).

BACKGROUND:

Currently there are four monitoring wells (MW-2, MW-3, STMW-1 and STMW-2) located on-site (see Figure 2). Wells STMW-1 and STMW-2 were installed by *STE*, and on-site wells MW-2 and MW-3 were installed by other consultants. This quarterly well monitoring and sampling was conducted in accordance with *STE*'s recommendations

made in the report entitled "Report of Supplemental Subsurface Investigation", dated May 14, 1991. during this quarter's reporting period, the following field activities were performed:

- Monitored the depth-to-static groundwater for on-site monitoring wells STMW-1, STMW-2, MW-2 and MW-3.
- Purged on-site monitoring wells STMW-1, STMW-2, MW-2 and MW-3 prior to sampling.
- Submitted water samples to state-certified laboratory to be analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg), Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) and Volatile Organic Compounds (VOC's).
- Reviewed results and prepared a report of the investigation.

GROUNDWATER MONITORING:

On June 7, 1996, *STE*'s staff monitored the four on-site wells to measure water depth and check for the presence of sheen and/or odor. During monitoring of the wells, non-measurable floating product and strong petroleum odor were detected in monitoring well STMW-1. Rainbow sheen and light petroleum odor were noted in monitoring well STMW-2. Rainbow sheen and mild petroleum odor were detected monitoring well MW-3, and monitoring well MW-2 detected light sewerage odor only. After purging of the well, no sheen was observed in any of the wells. Table summarizes the depth-to-groundwater and observations made. The static shallow groundwater levels ranged from 5.37 to 7.10 feet below ground surface during the recent quarterly sampling event.

GROUNDWATER SAMPLING:

Following groundwater monitoring, the wells were purged at least four well volumes and sampled in accordance with *STE*'s Standard Operating Procedures (Appendix "C"), which follows State and Local guidelines for sampling and monitoring wells. The samples were submitted to a California state-certified laboratory for analysis accompanied by chain-of-custody. The samples were analyzed for TPHg per EPA Methods 5030/8025; BTEX per EPA Method 602 and VOC's per EPA Method 601.

GROUNDWATER FLOW DIRECTION:

The water elevation data were used to determine groundwater direction. Table 1 summarizes the groundwater elevations. The local groundwater flow direction was in southerly direction as of June 7, 1996 (Figure 1).

ANALYTICAL RESULTS:

Three of the four on-site wells continued to show the presence of TPHg and BTEX. Monitoring well STMW-1 detected TPHg at 36 milligrams per liter (mg/L); Benzene at 0.21 mg/L; Toluene at 0.14 mg/L; Ethylbenzene at 0.081 mg/L and Total Xylenes at 0.21 mg/L. Monitoring well STMW-2 detected TPHg at 92 mg/L and BTEX at (0.25 mg/L, 0.075 mg/L, 0.18 mg/L and 0.47 mg/L), respectively. Monitoring well MW-3 detected TPHg at 5.2 mg/L and BTEX at (0.023 mg/L, 0.0069 mg/L, 0.014 mg/L and 0.034 mg/L), respectively. Only monitoring well MW-2 detected TPHg and BTEX below laboratory detection limit. Monitoring well MW-3 detected low levels of Chloroform (0.031 mg/L), Trichloroethene (0.11 mg/L) and Tetrachloroethane (0.061 mg/L). The other three monitoring wells (STMW-1, STMW-2 and MW-2) detected VOC's below laboratory detection limit.

The results of laboratory are tabulated in Table 1. The chain-of-custody records and certified analytical report are included in Appendix "D".

DISCUSSION:

A comparison of the recent analytical results, with the February 29, 1996 results, showed a decrease of TPHg concentrations in monitoring wells STMW-1, MW-2 and MW-3, and a slight increase in well STMW-2. A slight increase of BTEX concentrations in monitoring wells STMW-1, STMW-2 and MW-3; except for a slight decrease of Total Xylenes in monitoring well STMW-1. BTEX concentrations were non-detectable in monitoring well MW-2.

RECOMMENDATION:

We recommend continuing quarterly monitoring of on-site wells until interim groundwater treatment is initiated. This quarterly report should be submitted to Alameda County Health Department (ACHD) and the Regional Water Quality Control Board (RWQCB).

LIMITATIONS:

This report and the associated work have been provided in accordance with the general principles and practices currently employed in the environmental consulting profession. The contents of this report reflect the conditions of the site at this particular time. The findings of this report are based on:

1) The observations of field personnel.

2) The results of laboratory analyses performed by a state-certified laboratory.

It is possible that variations in the soil and groundwater could exist beyond the points explored in this investigation. Also, changes in groundwater conditions of a property can occur with the passage of time due to variations in rainfall, temperature, regional water usage and other natural processes or the works of man on this property or adjacent properties.

The services that *STE* provided have been in accordance with generally accepted environmental professional practices for the nature and conditions of the work completed in the same or similar localities, at the time the work was performed.

Per your request, this report will be submitted to ACEHD and RWQCB.

If you have any questions or require additional information , please feel free to contact our office at (408) 441-1881.

Sincerely,

SOIL TECH ENGINEERING, INC.

NOORI AMELI
PROJECT ENGINEER

LAWRENCE KOO, P. E.
C. E. #34928

FRANK HAMEDI-FARD
GENERAL MANAGER

File No. 8-90-421-SI

TABLE 1
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (in mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
3/11/91	STMW-1 (100.62)	5.29	95.33	None	None	0.85	0.1	0.007	ND	0.15
	STMW-2 (100.63)	5.25	95.38	None	Mild	0.17	0.001	0.0017	ND	0.028
	MW-2 (99.39)	4.92	95.07	None	Mild	25	2.6	4.4	ND	5.8
	MW-3 (100.09)	4.67	95.42	Trace	Moderate	47	9.1	9.9	0.27	0.11
	OTMW-5 (100.87)	5.02	95.85	None	Mild	0.12	0.046	0.012	0.001	0.004
7/03/91	STMW-1 (100.62)	5.83	94.79	None	Mild	5.1	1.8	0.5	0.095	0.56
	STMW-2 (100.63)	4.75	95.88	None	Mild	1.8	0.64	0.048	0.044	0.094
	MW-2 (99.39)	5.83	93.53	None	Mild	21	2.8	3.2	ND	4.3
	MW-3 (100.09)	7.75	94.55	Light	Strong	140	12	4.5	1.2	4.0
	OTMW-5 (100.87)	5.65	95.12	None	Mild	0.81	0.032	0.043	0.016	0.043

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
11/04/91	STMW-1 (100.62)	5.83	94.79	None	Mild	2.05	0.76	0.054	ND	0.056
	STMW-2 (100.63)	5.92	94.71	None	Mild	2.14	1.00	0.057	0.003	0.019
	MW-2 (99.39)	4.79	94.57	None	Mild	3.58	1.7	0.119	0.009	0.056
	MW-3 (100.09)	5.67	94.42	Trace	Strong	102.7	38.87	19.1	5.87	46
	OTMW-5 (100.87)	5.77	95.10	None	Mild	0.97	0.1	0.019	0.005	0.013
1/20/92	STMW-1 (100.62)	5.79	94.84	Light	Mild	4.6	0.59	0.036	ND	0.19
	STMW-2 (100.63)	5.88	94.75	None	Mild	14	0.12	0.0006	0.0006	0.08
	MW-2 (99.39)	4.60	94.76	None	Mild	0.38	0.38	0.0013	ND	0.034
	MW-3 (100.09)	5.54	94.55	Light	Strong	510	27	27	5.8	46
	OTMW-5 (100.87)	5.58	95.29	None	Mild	0.009	0.0007	0.0007	ND	0.011

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
5/07/92	STMW-1 (100.62)	5.80	94.82	None	Mild	4.4	0.066	0.053	0.004	0.16
	STMW-2 (100.63)	5.70	94.92	None	Mild	1.7	0.032	0.017	0.0086	0.048
	MW-2 (99.39)	4.42	94.94	None	Mild	10	0.062	0.032	0.044	0.16
	MW-3 (100.09)	5.18	94.91	Rainbow	Strong	43	0.25	0.23	0.43	1.1
	OTMW-5 (100.87)	5.43	95.44	None	Mild	0.18	0.027	0.014	0.0082	0.035
8/17/92	STMW-1 (100.62)	5.77	94.85	None	Mild	2.7	0.031	0.018	0.019	0.067
	STMW-2 (100.63)	5.71	94.92	None	None	16	0.18	0.22	0.21	0.62
	MW-2 (99.39)	4.43	94.96	None	Mild	6.0	0.048	0.027	0.065	0.18
	MW-3 (100.09)	5.24	94.85	Rainbow	Mild	140	2.5	2.4	1.7	5.5
	OTMW-5 (100.87)	5.45	95.42	None	None	0.087	0.012	0.0098	0.004	0.042
	OTMW-6	4.88	NA	None	None	ND	ND	ND	ND	ND

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
12/10/92	STMW-1 (100.62)	6.61	94.01	Light	Mild	35	0.054	0.079	0.083	0.22
	STMW-2 (100.63)	6.39	94.24	Light	Mild	44	0.084	0.096	0.12	0.35
	MW-2 (99.39)	4.94	94.45	None	Mild	7.2	0.015	0.023	0.032	0.082
	MW-3 (100.09)	4.42	95.67	Light	Strong	94	0.4	0.41	0.43	1.1
	OTMW-5 (100.87)	7.30	93.57	None	Mild	0.45	0.0047	0.0045	0.0064	0.019
3/18/93	STMW-1 (100.62)	6.68	93.94	Light	Mild	19	0.049	0.052	0.055	0.018
	STMW-2 (100.63)	6.50	94.13	Light	Mild	9.2	0.022	0.031	0.04	0.11
	MW-2 (99.39)	5.11	94.28	None	Light Sewerage	1.4	0.0083	0.011	0.013	0.048
	MW-3 (100.09)	5.39	94.70	Thick	Strong	51	0.092	0.13	0.16	0.59
	OTMW-5 (100.87)	7.11	93.76	None	Light Sewerage	0.57	0.006	0.0076	0.011	0.029

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
7/13/93	STMW-1 (100.62)	7.13	93.49	Light Rainbow	Strong Petroleum	17	0.034	0.043	0.048	0.17
	STMW-2 (100.63)	6.95	93.68	None	Septic	9.3	0.018	0.024	0.026	0.089
	MW-2 (99.39)	5.53	93.86	Rainbow	Light Petroleum	2.4	0.0047	0.0062	0.0068	0.025
	MW-3 (100.09)	6.07	94.02	Light Rainbow	Strong Petroleum	80	0.16	0.21	0.23	0.82
	OTMW-5 (100.87)	7.45	93.42	None	None	3.5	0.0068	0.00086	0.0095	0.036
10/11/93	STMW-1 (100.62)	7.26	93.36	None Measurable	Strong Petroleum	51	2.1	2.4	0.53	2.6
	STMW-2 (100.63)	7.09	93.54	None Measurable	Strong Petroleum	62	2.8	3.9	0.67	4.4
	MW-2 (99.39)	5.64	93.75	None	None	0.41	0.043	0.0026	0.0045	0.012
	MW-3 (100.09)	6.34	93.75	None Measurable	Strong Petroleum	180	14	8.8	0.32	9.4
	OTMW-5 (100.87)	7.65	93.22	None	None	ND	ND	ND	ND	ND

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
1/07/94	STMW-1 (100.62)	7.15	93.47	None Measurable	Strong Petroleum	29	1.5	1.6	0.45	2.5
	STMW-2 (100.63)	6.93	93.70	Rainbow	Mild Petroleum	22	1.1	1.0	0.28	1.8
	MW-2 (99.39)	5.52	93.87	None	None	0.24	0.025	0.0031	ND	0.02
	MW-3 (100.09)	6.34	93.75	None Measurable	Strong Petroleum	120	9.5	4.6	0.23	7.8
	OTMW-5 (100.87)	7.67	93.20	None	None	1.5	0.2	0.098	0.005	0.057
4/06/94	STMW-1 (100.62)	7.10	93.52	None	Strong Petroleum	20	1.1	0.56	0.3	1.6
	STMW-2 (100.63)	6.84	93.79	None	Strong Petroleum	6.6	0.49	0.14	0.062	0.33
	MW-2 (99.39)	5.82	93.57	None	None	3.0	0.12	0.023	0.022	0.19
	MW-3 (100.09)	6.14	93.95	None	None	96	6.0	3.1	0.095	6.2
	OTMW-5 (100.87)	7.72	93.15	None	None	0.57	0.072	0.036	0.0024	0.022

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
8/03/94	STMW-1 (100.62)	5.70	94.92	None	Strong Petroleum	43	1.0	1.7	0.64	4.7
	STMW-2 (100.63)	7.10	93.53	None	Mild Petroleum	4.0	0.25	0.052	0.055	0.24
	MW-2 (99.39)	7.47	91.92	None	None	0.5	0.057	0.001	0.017	0.025
	MW-3 (100.09)	6.34	93.75	Sheen with Grease	Moderate Petroleum	200	6.5	3.7	1.5	18
11/06/94	STMW-1 (100.62)	6.47	94.15	Brown Non-Measurable	Strong Petroleum	92	9.0	12	1.6	9.1
	STMW-2 (100.63)	6.19	94.44	None	Mild Petroleum	10	0.73	0.79	0.2	1.3
	MW-2 (99.39)	4.69	94.70	None	Mild Sewerage	8.0	0.65	0.085	0.5	1.04
	MW-3 (100.09)	3.89	96.20	Brown Non-Measurable	Strong Petroleum	86	7.4	8.5	2.2	12

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
2/16/95	STMW-1 (100.62)	6.96	93.66	Rainbow Non-Measurable	Strong Petroleum	150	0.85	0.54	0.4	1.2
	STMW-2 (100.63)	6.72	93.91	Rainbow	Mild Petroleum	37	0.23	0.088	0.092	0.32
	MW-2 (99.39)	5.31	94.08	None	None	0.66	0.0064	0.001	0.0056	0.0089
	MW-3 (100.09)	5.90	94.19	Brown Non-Measurable	Strong Petroleum	59	0.28	0.12	0.12	0.57
5/19/95	STMW-1 (100.62)	6.84	93.78	Brown Non-Measurable	Strong Petroleum	59	0.4	0.33	0.17	0.61
	STMW-2 (100.63)	6.61	94.02	Brown	Light Petroleum	9.3	0.04	0.016	0.022	0.068
	MW-2 (99.39)	5.17	94.22	None	Mild Sewerage	1.9	0.011	0.01	0.023	0.026
	MW-3 (100.09)	4.15	95.94	Brown Non-Measurable	Strong Petroleum	12	0.15	0.068	0.069	0.16

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
8/18/95	STMW-1 (96.81)	7.36	89.45	Brown Non-Measurable	Strong Petroleum	300	0.88	0.78	0.54	1.7
	STMW-2 (96.79)	7.09	89.70	Brown	Light Petroleum	210	0.72	0.55	0.52	1.4
	MW-2 (95.22)	5.65	89.57	None	Light Sewerage	1.8	0.015	0.0016	0.015	0.02
	MW-3 (95.62)	6.08	89.54	Brown	Mild Petroleum	33	0.074	0.028	0.038	0.1
11/30/95	STMW-1 (96.81)	7.34	89.47	Thick Brown	Mild Petroleum	67	0.8	0.91	0.39	1.5
	STMW-2 (96.79)	7.07	89.72	Rainbow	Light Petroleum	66	0.66	0.51	0.37	1.5
	MW-2 (95.22)	5.64	89.58	None	None	0.12	0.0093	ND	0.0005	0.0035
	MW-3 (95.62)	6.26	89.36	Rainbow	Light Petroleum	100	1.3	0.51	0.25	2.4

TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

Date	Well No./ Elevation	Depth-to-Water	Groundwater Elevation	Sheen	Odor	TPHg	B	T	E	X
2/29/96	STMW-1 (96.81)	7.83	88.98	Non-Measur-able FFP	Strong Petroleum	71	0.12	0.095	0.018	0.26
	STMW-2 (96.79)	7.57	89.22	Rainbow	Light Petroleum	33	0.075	0.055	0.052	0.15
	MW-2 (95.22)	4.61	90.61	None	Light Sewerage	1.2	0.0061	0.0012	0.0062	0.0087
	MW-3 (95.62)	4.37	91.25	Rainbow	Mild Petroleum	15	0.012	0.0038	0.01	0.024
6/07/96	STMW-1 (96.81)	7.10	89.71	Non-Measur-able FFP	Strong Petroleum	36	0.21	0.14	0.081	0.21
	STMW-2 (96.79)	6.74	90.05	Rainbow	Light Petroleum	92	0.25	0.075	0.18	0.47
	MW-2 (95.22)	5.37	89.85	None	Light Sewerage	ND	ND	ND	ND	ND
	MW-3 (95.62)	5.90	89.72	Rainbow	Mild Petroleum	5.2	0.023	0.0069	0.014	0.034
	SDWS					NL	0.001	0.100*	0.68	1.75

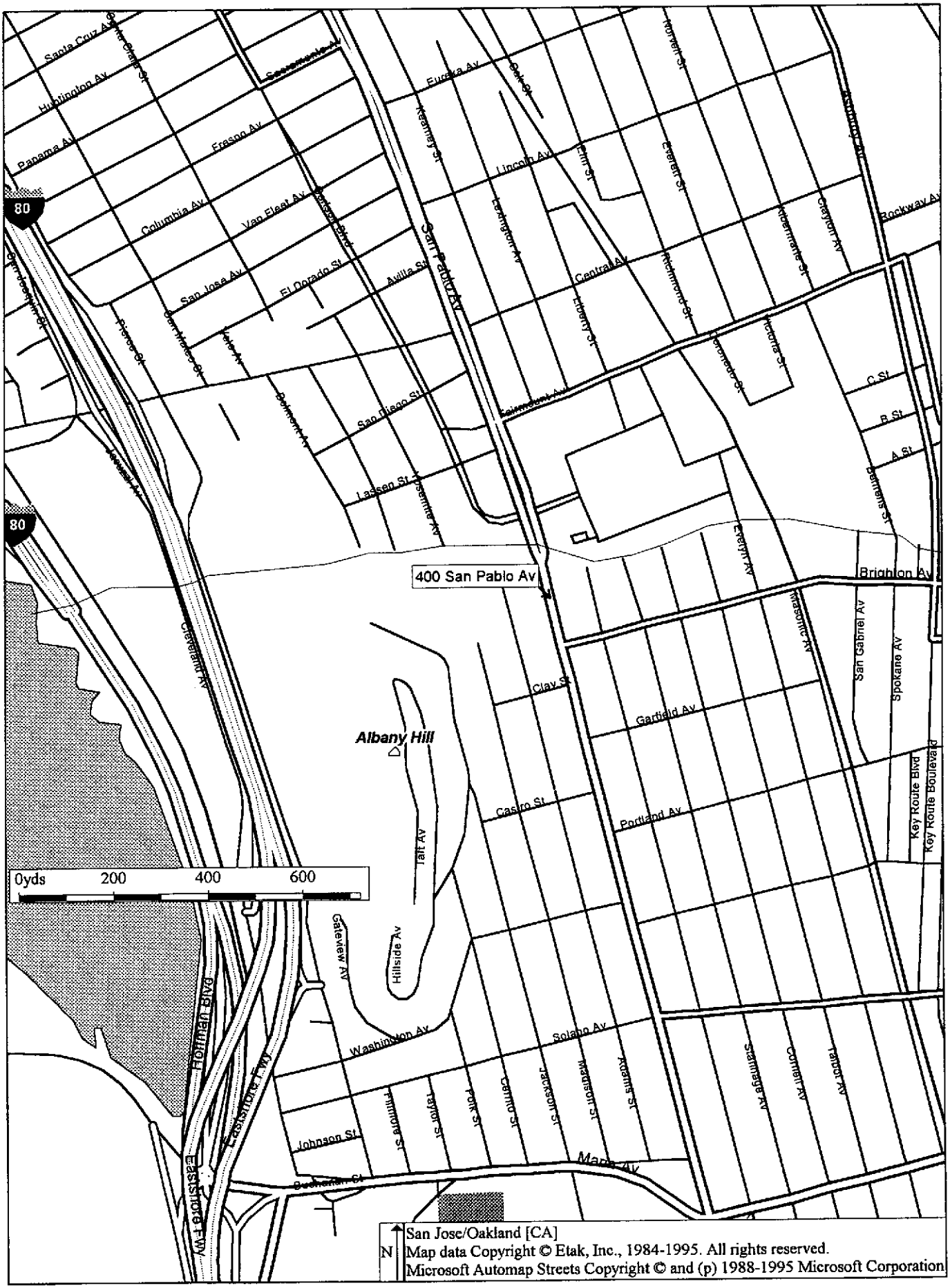
TABLE 1 CONT'D
GROUNDWATER MONITORING DATA (in feet)
AND ANALYTICAL RESULTS (mg/L)

VOLATILE ORGANIC COMPOUNDS (VOC'S) ANALYSES RESULTS:

Date	Well Number	Volatile Organic Compounds	
2/29/96	STMW-1	Not Detected	
	STMW-2	Not Detected	
	MW-2	Not Detected	
	MW-3	1,2-Dichloroethene	0.035
		Chloroform	0.16
		Trichloroethene	0.11
		Tetrachloroethene	0.08
6/07/96	STMW-1	Not Detected	
	STMW-2	Not Detected	
	MW-2	Not Detected	
	MW-3	Chloroform	0.031
		Trichloroethene	0.11
		Tetrachloroethene	0.061

TPHg - Total Petroleum Hydrocarbons as gasoline
BTEX - Benzene, Toluene, Ethylbenzene, Total Xylenes
SDWS - State Drinking Water Standard
ND - Not Detected (Below Laboratory Detection Limit)
NL - No MCL Levels
* - Action Level not Enforceable-Health Based Advisory Levels

File No. 8-90-421-SI



SOIL TECH ENGINEERING, INC.

M1

Storm Drain Pipe

Storm Catch Basin

Duke

MW-3

89.70

89.75

89.80

NORGE CLEANER

MW-2

CAR WASH

NEW CONSTRUCTION

STMW-1

EL. 100.00

Electric Pole

Landscaping Area

Sidewalk Slab

Grass and Trees Area

EL CERRITO CREEK

Approximate Groundwater Flow Direction as of 6/7/96

Approximate Location of Tanks Area

STMW-2

Street Flow Line

SAN PABLO AVENUE

C. EL. Casing Elevation
W. EL. Water Elevation
Monitoring Well

DIRECTION OF GROUNDWATER FLOW

400 SAN PABLO AVENUE, ALBANY, CALIFORNIA

SCALE: 1"=30'	PROJECT NO. 8-90-421-SI	FIGURE 2
DRAWN BY N.A.		6/7/96

SOIL TECH ENGINEERING, INC.
298 BROKAW ROAD, SANTA CLARA, CALIFORNIA 95050

GROUNDWATER SAMPLING

Prior to collection of groundwater samples, all of the sampling equipment (i.e. bailer, cables, bladder pump, discharge lines and etc...) was cleaned by pumping TSP water solution followed by distilled water.

The groundwater sample was collected when the first groundwater level was encountered in the boring.

Forty milliliter (ml.) glass volatile organic analysis (VOA) vials with Teflon septa were used as sample containers. The groundwater sample was decanted into each VOA vial in such a manner that there was a meniscus at the top. The cap was quickly placed over the top of the vial and securely tightened. The VOA vial was then inverted and tapped to see if air bubbles were present. If none were present, then the sample was labeled and refrigerated for delivery under chain-of-custody to the laboratory. The label information would include a sample identification number, job identification number, date, time, type of analysis requested and the sampler's signature.

PRIORITY ENVIRONMENTAL LABS

Environmental Analytical Laboratory

June 11, 1996 PEL # 9606017

SOIL TECH ENGINEERING

Attn: Noori Ameli

Re: Four water samples for Gasoline/BTEX analysis.

Project name: 400 San Pablo Ave., - Albany
Project number: 8-90-421-SI

Date sampled: Jun 07, 1996 Date submitted: Jun 07, 1996
Date extracted: Jun 07-08, 1996 Date analyzed: Jun 07-08, 1996

RESULTS:

SAMPLE I.D.	Gasoline (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylene (ug/L)
STMW-1	36000	210	140	81	210
STMW-2	92000	250	75	180	470
MW-2	N.D.	N.D.	N.D.	N.D.	N.D.
MW-3	5200	23	6.9	14	34
Blank	N.D.	N.D.	N.D.	N.D.	N.D.
Spiked Recovery	102.7%	83.4%	87.0%	94.1%	88.3%
Detection limit	50	0.5	0.5	0.5	0.5
Method of Analysis	5030 / 8015	602	602	602	602

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

Environmental Analytical Laboratory

June 10, 1996 PEL # 9606017

SOIL TECH ENGINEERING Attn: Noori Ameli

Project name: 400 San Pablo Ave-Albany Project number: 8-90-421-SI
Sample I.D.: STMW-1

Date Sampled: Jun 07, 1996 Date Submitted: Jun 07, 1996
Date Analyzed: Jun 07,1996

Method of Analysis: EPA 601 Detection limit: 0.5 ug/L

COMPOUND NAME	CONCENTRATION (ug/L)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	-----
1,2-Dichloroethene (TOTAL)	N.D.	-----
1,1-Dichloroethane	N.D.	86.1
Chloroform	N.D.	89.8
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	97.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	95.8
Dibromochloromethane	N.D.	-----
Chlorobenzene	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.	-----

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

June 10, 1996 PEL # 9606017

SOIL TECH ENGINEERING Attn: Noori Ameli

Project name: 400 San Pablo Ave-Albany Project number: 8-90-421-SI
Sample I.D.: STMW-2

Date Sampled: Jun 07, 1996 Date Submitted: Jun 07, 1996
Date Analyzed: Jun 07,1996

Method of Analysis: EPA 601 Detection limit: 0.5 ug/L

COMPOUND NAME	CONCENTRATION (ug/L)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	-----
1,2-Dichloroethene (TOTAL)	N.D.	-----
1,1-Dichloroethane	N.D.	86.1
Chloroform	N.D.	89.8
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	97.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	95.8
Dibromochloromethane	N.D.	-----
Chlorobenzene	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.	-----

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

June 10, 1996 PEL # 9606017

SOIL TECH ENGINEERING Attn: Noori Ameli

Project name: 400 San Pablo Ave-Albany Project number: 8-90-421-SI
Sample I.D.: MW-2

Date Sampled: Jun 07, 1996 Date Submitted: Jun 07, 1996
Date Analyzed: Jun 07,1996

Method of Analysis: EPA 601 Detection limit: 0.5 ug/L

COMPOUND NAME	CONCENTRATION (ug/L)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	-----
1,2-Dichloroethene (TOTAL)	N.D.	-----
1,1-Dichloroethane	N.D.	86.1
Chloroform	N.D.	89.8
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	N.D.	97.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	N.D.	95.8
Dibromochloromethane	N.D.	-----
Chlorobenzene	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.	-----

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

PRIORITY ENVIRONMENTAL LABS

June 10, 1996 PEL # 9606017

SOIL TECH ENGINEERING Attn: Noori Ameli

Project name: 400 San Pablo Ave-Albany Project number: 8-90-421-SI
Sample I.D.: MW-3

Date Sampled: Jun 07, 1996 Date Submitted: Jun 07, 1996
Date Analyzed: Jun 07,1996

Method of Analysis: EPA 601 Detection limit: 0.5 ug/L

COMPOUND NAME	CONCENTRATION (ug/L)	SPIKE RECOVERY (%)
Chloromethane	N.D.	-----
Vinyl Chloride	N.D.	-----
Bromomethane	N.D.	-----
Chloroethane	N.D.	-----
Trichlorofluoromethane	N.D.	-----
1,1-Dichloroethene	N.D.	-----
Methylene Chloride	N.D.	-----
1,2-Dichloroethene (TOTAL)	N.D.	-----
1,1-Dichloroethane	N.D.	86.1
Chloroform	31	89.8
1,1,1-Trichloroethane	N.D.	-----
Carbon Tetrachloride	N.D.	-----
1,2-Dichloroethane	N.D.	-----
Trichloroethene	110	97.5
1,2-Dichloropropane	N.D.	-----
Bromodichloromethane	N.D.	-----
2-Chloroethylvinylether	N.D.	-----
Trans-1,3-Dichloropropene	N.D.	-----
Cis-1,3-Dichloropropene	N.D.	-----
1,1,2-Trichloroethane	N.D.	-----
Tetrachloroethene	61	95.8
Dibromochloromethane	N.D.	-----
Chlorobenzene	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.	-----

David Duong
Laboratory Director

1764 Houret Court Milpitas, CA. 95035 Tel: 408-946-9636 Fax: 408-946-9663

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-20-421-51	400 San Pablo Av. ALBANY

SAMPLERS: *(Signature)* N. Azimi

PEL # 9606017

INV # 27054

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	Analyses Requested (2) TPH G/BTEX	SCIC
1	6/7/96	13[15]		✓	STMW-1	2	✓	✓
2	6/7/96	12[50]		✓	STMW-2	2	✓	✓
3	6/7/96	11[20]		✓	MW-2	2	✓	✓
4	6/7/96	12[10]		✓	MW-3	2	✓	✓

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
N. Azimi	6/7/96 17[30]				
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
			✓		
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	
		Jon Edwards	06/07/96 5:30 PM		

SOIL TECH ENGINEERING

Environmental and Geotechnical Engineers

1761 Junction Ave. San Jose CA 95112 (408)441-1881

CHAIN OF CUSTODY RECORD

PROJ. NO.	NAME
8-90-421-51	400 San Pablo Av. ALBANY

SAMPLERS: *(Signature)*

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	ANALYSES REQUESTED ② TPHG/BTEX	SOIC					REMARKS
1	6/7/96	13[15]		✓	STMW-1	2	✓	✓					
2	6/7/96	12[50]		✓	STMW-2	2	✓	✓					
3	6/7/96	11[20]		✓	MW-2	2	✓	✓					
4	6/7/96	12[10]		✓	MW-3	2	✓	✓					

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Receive by: *(Signature)*
N. Amini	6/7/96 17[30]				
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)*	Date / Time	Remarks	
		Jon Addison	06/07/96 5:30 PM		

SOIL TECH ENGINEERING

Environmental and Geotechnical Engineers

1761 Junction Ave. San Jose CA 95112 (408)441-1881