THIRD AND FOURTH QUARTERS 1999

QUARTERLY GROUNDWATER MONITORING PROGRAM

GERMAN AUTOCRAFT
301 E. 14TH STREET, SAN LEANDRO, CALIFORNIA

Prepared For:

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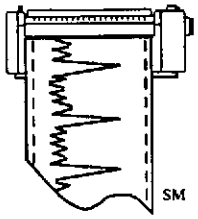
German Autocraft

Prepared by:



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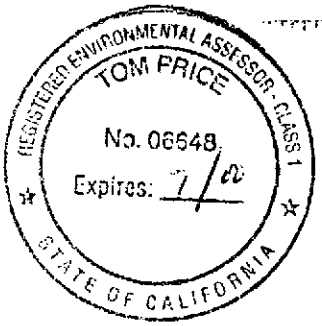

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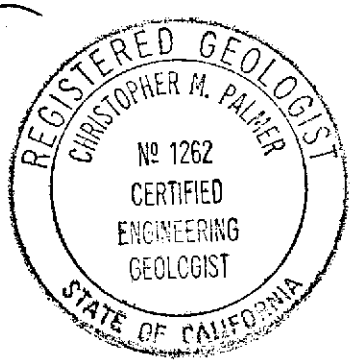

Report issued February 4, 2000

I. INTRODUCTION

Environmental Testing & Management (ETM) has continued the quarterly groundwater monitoring program and related environmental activities completed during the calendar third and fourth quarters 1999 at German Autocraft located at 301 East 14th Street in the City of San Leandro, Alameda County, California (**Figure 1**). This report is submitted to the Alameda County Department of Environmental Health (ACDEH) on behalf of Mr. Seung Lee, owner of German Autocraft. Due to Mr. Lee's financial situation, two quarters' data are presented in this report.

The purpose of this quarterly monitoring program is to evaluate groundwater quality in the area of five former underground fuel storage tanks (USTs) that were removed in 1990. Data accumulated from the program will be used to assess seasonal groundwater level fluctuations, changing groundwater quality conditions, and provide data which will support the development of corrective action plans at the site. The quarterly monitoring program presents a description of the groundwater monitoring activities, a compilation of groundwater quality and elevation data and a brief description of the progress of the development of corrective actions at the site.

The groundwater monitoring program involves sampling and testing of eleven (11) monitoring wells and one (1) private well located at the Ramirez residence at 141 Farrelly Drive. Installation of three (3) additional monitoring wells is pending. The schedule of the monitoring program is as follows:

Quarterly:	141 Farrelly, MW-2, MW-3, MW-8, MW-9, and MW-10
Semi-Annual:	MW-1A, MW-11, and MW-6
Annual:	MW-1, MW-4, and MW-5

II. BACKGROUND

German Autocraft is located at 301 E. 14th Street in San Leandro (see Location Map, **Figure 1**). The approximate locations of buildings, property boundaries, and adjacent streets are presented on the Site Map, **Figure 2.** For detailed descriptions of prior environmental activities at the subject site, please refer to the references section of this report for a listing of reports which have been submitted to the ACDEH.

III. WORK PERFORMED DURING THIRD AND FOURTH QUARTERS 1999

Work included groundwater level gauging and sampling, data analysis, and report preparation.

Activity highlights during this period are as follows:

- **September 29 - October 2 1999** - ETM measured groundwater elevations and sampled all wells of the monitoring program and the private well at 141 Farrelly Drive.

- **December 29, 1999** - ETM measured groundwater elevations and sampled wells scheduled for quarterly sampling except the private well at 141 Farrelly Drive.

IV. GROUNDWATER ELEVATION AND GRADIENT

Static groundwater level elevation data collected on September 29, 1999, indicated that over the area studied, the elevation of the shallow groundwater surface ranged from 23.80 to 24.38 feet above mean sea level. The estimated groundwater flow direction was westerly (approximate gradient = 0.002 ft/ft).

Static groundwater level elevation data collected on December 29, 1999, indicated that over the area studied, the elevation of the shallow groundwater surface ranged from 23.23 to 23.75 feet above mean sea level. The estimated groundwater flow direction was westerly (approximate gradient = 0.002 ft/ft).

Table 1 presents the recent groundwater elevation data and **Figure 3a and Figure 3b** shows estimated groundwater flow direction as interpreted from the groundwater potentiometric elevation data. **Table 2** presents historic groundwater elevation data.

The groundwater flow patterns observed these quarters are consistent with previous observations.

V. GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

On September 29 - 30, 1999, groundwater samples were collected from MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11, MW-1A following the groundwater sampling procedures presented in **Appendix A.** The groundwater samples were analyzed for TPHg, BTEX by EPA Methods 5030, 8015, and 8020 as tabulated on **Table 3.** The well at 141 Farrelly Drive was sampled on October 2, 1999 and tested for fuel oxygenates in addition to the other tests previously listed. On December 29, 1999, groundwater samples were collected from MW-2, MW-3, MW-8, MW-9, and MW-10. Due to difficulty scheduling a Saturday sampling event with the owner

during the holiday season, a sample was not collected from the private well at 141 Farrelly during the fourth quarter. Quarterly sampling of the private well at 141 Farrelly will be resumed next quarter. All samples were tested by Entech Analytical Labs, Inc. of Sunnyvale, California. The laboratory report and chain-of-custody documents are included in **Appendix B.** The field sampling data sheets are presented in **Appendix C.** The quality assurance/quality control description is included in **Appendix D.** Historic groundwater chemical test data by EPA Methods 5030, 8015, and 8020 is tabulated in **Table 5.**

Selected BTEX chemical constituents continue to exceed their respective California Drinking Water Maximum Contaminant Levels (MCLs) or Federal Action Levels (AL) (**Table 3**).

The sample collected 9/29/99 from MW-1, located upgradient of the former gasoline tank area, contained: TPHg at 140,000 micrograms per liter (µg/L); benzene at 6,100 µg/L which exceeds its MCL of 1 µg/L; toluene at 35,000 µg/L which exceeds its MCL of 150 µg/L; ethyl benzene at 5,400 µg/L which exceeds its MCL of 700 µg/L, and; total xylenes at 27,000 µg/L which exceeds its MCL of 1,750 µg/L.

The sample collected 9/29/99 from monitoring well MW-1A, along West Broadmoor contained 13,000 µg/L of TPHg, 63 µg/L of benzene, 26 µg/L of toluene, 30 µg/L of ethyl benzene, and 72 µg/L of total xylenes.

The sample collected 9/29/99 from MW-2, located down gradient of the former gasoline tank area, contained 17,000 µg/L of TPHg, 880 µg/L of benzene, 240 µg/L of toluene, 830 µg/L of ethyl benzene, and 1,000 µg/L of total xylenes.

The sample collected 12/29/99 from MW-2, located down gradient of the former gasoline tank area, contained 11,000 µg/L of TPHg, 800 µg/L of benzene, 11 µg/L of toluene, 860 µg/L of ethyl benzene, and 780 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-3, also located down gradient of the former gasoline tank area, contained 39,000 µg/L of TPHg, 6,000 µg/L of benzene, 840 µg/L of toluene, 2,400 µg/L of ethyl benzene, and 8,100 µg/L of total xylenes.

The sample collected 12/29/99 from monitoring well MW-3, also located down gradient of the former gasoline tank area, contained 39,000 µg/L of TPHg, 4,600 µg/L of benzene, 790 µg/L of toluene, 2,400 µg/L of ethyl benzene, and 8,100 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-4, located in the former UST area, contained 48,000 µg/L of TPHg, 5,300 µg/L of benzene, 6,800 µg/L of toluene, 1,700 µg/L of ethyl benzene, and 7,700 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-5 contained 1,200 µg/L of TPHg, 13 µg/L of benzene, 4.2 µg/L of toluene, 2.7 µg/L of ethyl benzene, and 4.2 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-6 contained 330 µg/L of TPHg, 1.8 µg/L of benzene, 1.4 µg/L of toluene, 1.5 µg/L of ethyl benzene, and <0.5 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-8 contained 8,800 µg/L of TPHg, 140 µg/L of benzene, <0.5 µg/L of toluene, 53 µg/L of ethyl benzene, and <0.5 µg/L of total xylenes.

The sample collected 12/29/99 from monitoring well MW-8 contained 1,900 µg/L of TPHg, 64 µg/L of benzene, 1.0 µg/L of toluene, 22 µg/L of ethyl benzene, and 23 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-9 contained 42,000 µg/L of TPHg, 140 µg/L of benzene, 130 µg/L of toluene, 1,000 µg/L of ethyl benzene, and 1,700 µg/L of total xylenes.

The sample collected 12/29/99 from monitoring well MW-9 contained 1,100,000 µg/L of TPHg, 1,200 µg/L of benzene, 1,300 µg/L of toluene, 4,300 µg/L of ethyl benzene, and 8,700 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-10 contained 9,300 µg/L of TPHg, 60 µg/L of benzene, 38 µg/L of toluene, 280 µg/L of ethyl benzene, and 150 µg/L of total xylenes.

The sample collected 12/29/99 from monitoring well MW-10 contained 5,800 µg/L of TPHg, 87 µg/L of benzene, 10 µg/L of toluene, 420 µg/L of ethyl benzene, and 180 µg/L of total xylenes.

The sample collected 9/29/99 from monitoring well MW-11 contained 94 µg/L of TPHg, <0.5 µg/L of benzene, <0.5 µg/L of toluene, <0.5 µg/L of ethyl benzene, and <0.5 µg/L of total xylenes.

The private well sampled on 10/2/99 at 141 Farrelly did not contain gasoline or oxygenated fuel additives above detection limits as follows: <50 µg/L of TPHg, <0.5 µg/L of benzene, <0.5 µg/L of toluene, <0.5 µg/L of ethyl benzene, and <0.5 µg/L of total xylenes; <20 µg/L TBA, <5 µg/L MTBE, <5 µg/L DIPE, <5 µg/L ETBE, and <5 µg/L TAME.

VI. DISCUSSION AND CONCLUSIONS

Selected wells' various chemical constituents continue to exceed their respective California Drinking Water Maximum Contaminant Levels (MCLs) or Federal Action Levels (AL).

Available data, including data from the September/October and December 1999 monitoring events, indicate that groundwater flow patterns beneath the site are consistent with previous monitoring events for the project.

The current contaminant distribution shows the most elevated TPHG and benzene levels are near the source. The TPHG plume has moved west-northwesterly, as has the benzene plume. Chemical test data from MW-9 showed a significant rise in TPHG and benzene suggesting plume movement to the northwest. TPHG concentrations also rose in well MW-1A, however this contaminant is suspected to occur at another source.

The sample collected from the private well at 141 Farrelly Drive did not contain gasoline or MTBE related fuel additives above laboratory detection limits for the October 2, 1999 sampling event. Due to difficulty scheduling a Saturday sampling event during the holiday season, a sample was not collected from the private well at 141 Farrelly during the final sampling event of 1999. Quarterly sampling of the private well at 141 Farrelly will be resumed next quarter.

VII. LIMITATIONS

The data, information, interpretations and recommendations contained in this report are presented to meet current suggested regulatory requirements for determining groundwater quality on the site. Environmental Testing & Mgmt. is not responsible for laboratory errors or completeness of other consultants reports, and no warranty is made or implied therein.

The conclusions and professional opinions presented herein were developed by ETM using site specific data in accordance with current regulatory guidance and the opinions expressed are subject to revisions in light of new information which may develop in the future.

VIII. REFERENCES

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Code of Federal Regulations, 40 CFR 260, "Hazardous Waste Management System: General, 7/1/94.

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Woodward-Clyde Consultants, *Hydrogeology of Central San Leandro and Remedial Investigation of Regional Groundwater Contamination, San Leandro Plume, San Leandro, California, Volume I*, December 23, 1993.

TABLE 1. THIRD/FOURTH QUARTERS 1999 GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA

		September 29, 1999		December 29, 1999	
WELL	CASING ELEVATION[1]	Depth to Groundwater	Groundwater Elevation	Depth to Groundwater	Groundwater Elevation
MW-1	49.49	25.10	24.39	25.74	23.75
MW-2	50.01	25.89	24.12	26.49	23.52
MW-3	49.32	25.12	24.20	25.72	23.60
MW-4	49.60	25.33	24.27	25.96	23.64
MW-5	49.57	25.31	24.26	25.93	23.64
MW-6	48.06	23.68	24.38	24.31	23.75
MW-8	49.35	25.42	23.93	25.99	23.36
MW-9	48.77	24.72	24.05	25.32	23.45
MW-10	49.92	26.12	23.80	26.69	23.23
MW-11	47.93	23.90	24.03	24.50	23.43
MW-1A	48.24	24.35	23.89	24.95	23.29
141 Farrelly	48.81	-	-	-	-

[1]Elevations in feet above mean sea level.

TABLE 2. HISTORICAL GROUNDWATER ELEVATION DATA

Elevation in Feet Above Mean Sea Level

DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-1A	141 Farralley
12/21/90	19.15	-	-	-	-	-	-	-	-	-	-	-
2/10/95	29.59	29.62	29.57	-	-	-	-	-	-	-	-	-
7/7/95	26.63	26.47	26.50	-	-	-	-	-	-	-	-	-
8/10/95	25.58	25.40	25.44	-	-	-	-	-	-	-	-	-
9/11/95	24.68	24.49	24.54	-	-	-	-	-	-	-	-	-
10/2/95	24.12	23.94	24.00	-	-	-	-	-	-	-	-	-
11/7/95	23.36	23.13	23.21	-	-	-	-	-	-	-	-	-
12/8/95	22.77	22.55	22.62	-	-	-	-	-	-	-	-	-
1/12/96	24.35	24.20	24.25	-	-	-	-	-	-	-	-	-
2/12/96	29.04	29.03	29.00	-	-	-	-	-	-	-	-	-
3/12/96	31.75	31.60	31.67	-	-	-	-	-	-	-	-	-
4/13/96	29.43	29.25	29.26	-	-	-	-	-	-	-	-	-
5/14/96	27.89	27.68	27.71	-	-	-	-	-	-	-	-	-
6/20/96	27.19	26.97	27.00	-	-	-	-	-	-	-	-	-

DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-1A	141 Farralley
7/26/96	25.95	25.74	25.76	-	-	-	-	-	-	-	-	-
8/19/96	25.16	24.97	25.01	-	-	-	-	-	-	-	-	-
9/17/96	24.44	24.22	24.27	-	-	-	-	-	-	-	-	-
10/21/96	23.63	23.43	23.48	-	-	-	-	-	-	-	-	-
11/27/96	24.28	24.09	24.13	-	-	-	-	-	-	-	-	-
12/27/96	28.23	28.03	28.11	-	-	-	-	-	-	-	-	-
1/28/97	33.02	32.71	32.78	-	-	-	-	-	-	-	-	-
4/25/97	27.14	26.88	26.94	-	-	-	-	-	-	-	-	-
7/17/97	24.55	24.31	24.37	-	-	-	-	-	-	-	-	-
10/21/97	22.85	22.69	22.73	-	-	-	-	-	-	-	-	-
3/10/98	34.35	34.20	34.13	-	-	-	-	-	-	-	-	-
6/6/98	30.69	30.41	30.47	-	-	-	-	-	-	-	-	-
9/30/98	25.95	25.68	25.75	-	-	-	-	-	-	-	-	-
12/30/98	25.13	24.93	24.99	25.05	25.06	25.14	24.75	24.79	24.78	24.78	24.64	-
3/13/99	29.98	29.80	29.83	29.89	29.93	29.97	29.58	29.58	29.31	29.56	29.39	28.84

DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-1A	141 Farralley
9/29/99	24.39	24.12	24.20	24.27	24.26	24.38	23.93	24.05	23.80	24.03	23.89	-
12/29/99	23.75	23.52	23.60	23.64	23.64	23.75	23.36	23.45	23.23	23.43	23.29	-

TABLE 3a. 9/29/99 - 10/2/99 GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020)

Locations: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11, MW-1A, 141 Farrelly

Date Sampled: September 29 - October 2, 1999 Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-1	140,000	6,100	35,000	5,400	27,000
MW-2	17,000	880	240	830	1,000
MW-3	39,000	6,000	840	2,400	8,100
MW-4	48,000	5,300	6,800	1,700	7,700
MW-5	1,200	13	4.2	2.7	4.2
MW-6	330	1.8	1.4	1.5	<0.5
MW-8	8,800	140	<50	53	<50
MW-9	42,000	140	130	1,000	1,700
MW-10	9,300	60	38	280	150
MW-11	94	<0.5	<0.5	<0.5	<0.5
MW-1A	13,000	63	26	30	72
141 Farrelly	<50	<0.5	<0.5	<0.5	<0.5
MCL/AL[2]	-	1	150	700	1,750

[2]Maximum Contaminant Level or Action Level as established by the State of California, Division of Drinking Water and Environmental Management, Department of Health Services "Summary, Maximum Contaminant and Action Levels" November, 1994.

TABLE 3b. 12/29/99 GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020)

Locations: MW-2, MW-3, MW-8, MW-9, MW-10

Date Sampled: December 29, 1999 Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-2	11,000	800	11	860	780
MW-3	39,000	4,600	790	2,400	8,100
MW-8	1,900	64	1.0	22	23
MW-9	1,100,000	1,200	1,300	4,300	8,700
MW-10	5,800	87	10	420	180
MCL/AL[3]	-	1	150	700	1,750

[3]Maximum Contaminant Level or Action Level as established by the State of California, Division of Drinking Water and Environmental Management, Department of Health Services "Summary, Maximum Contaminant and Action Levels" November, 1994.

TABLE 4. GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8260)

Location: 141 Farrelly

Date Sampled: October 2, 1999 Units: µg/L

WELL	TBA	MTBE	DIPE	ETBE	TAME
141 Farrelly	<20	<5	<5	<5	<5

TABLE 5. HISTORIC GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020)

Locations: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-8, MW-9, MW-10, MW-11, MW-1A, 141 Farrelly Units: µg/L

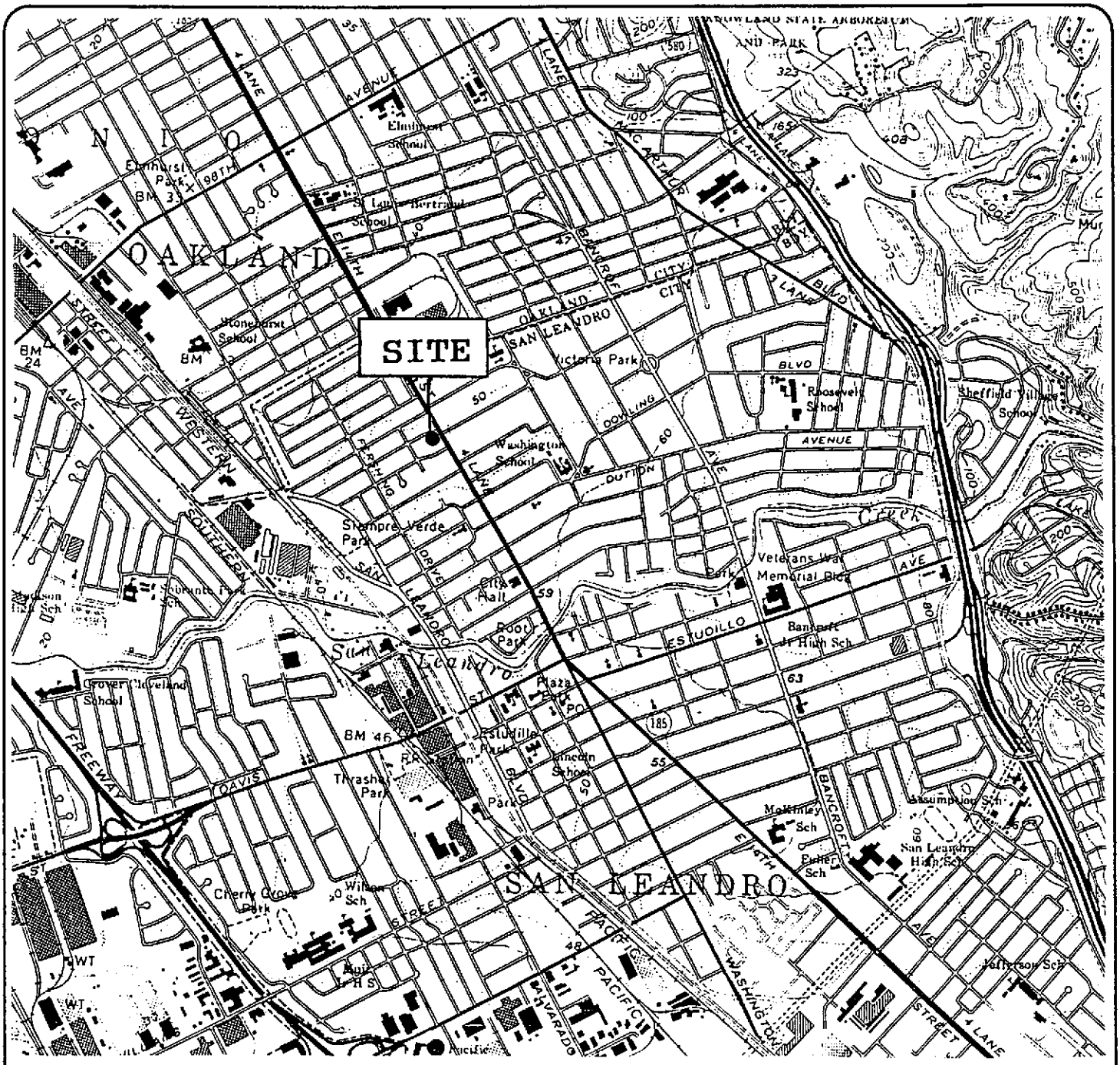
WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-1	12/31/90	51,000	2,200	1,200	<0.5	760
	1/6/95	110,000	13,000	15,000	4,800	13,000
	1/6/95	580,000	29,000	41,000	17,000	43,000
	7/6/95	49,000	8,000	17,000	1,900	9,700
	7/6/95	47,000	4,800	9,500	930	5,000
	10/2/95	120,000	16,000	36,000	3,300	17,000
	10/2/95	160,000	20,000	47,000	5,000	23,000
	1/12/96	1,100,000	11,000	18,000	15,000	51,000
	1/12/96	98,000	2,100	4,600	2,500	10,000
	4/13/96	53,000	1,300	2,900	2,100	10,000
	4/13/96	58,000	820	3,600	2,800	12,000
	7/26/96	91,000	2,900	7,200	2,900	14,000
	7/26/96	67,000	2,300	5,500	2,500	11,000
	10/21/96	210,000	4,800	17,000	2,300	15,000
	10/21/96	210,000	5,400	18,000	2,600	11,000
	1/28/97	120,000	5,600	15,000	2,100	11,000
	1/28/97	130,000	5,500	15,000	2,300	12,000

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-1	4/25/97	180,000	6,900	20,000	2,600	13,000
	4/25/97	170,000	6,500	20,000	2,500	13,000
	7/17/97	220,000	8,300	41,000	2,700	16,000
	10/21/97	240,000	9,400	33,000	3,300	22,000
	3/10/98	120,000	11,000	46,000	3,700	21,000
	6/6/98	110,000	7,600	32,000	4,800	23,000
	9/30/98	140,000	5,800	29,000	3,500	18,000
	12/30/98	78,000	5,200	24,000	3,200	19,000
	3/23/99	250,000	8,000	43,000	5,200	27,000
	9/29/99	140,000	6,100	35,000	5,400	27,000
MW-2	1/6/95	980,000	9,400	5,600	19,000	42,000
	7/6/95	71,000	5,300	1,800	6,100	9,000
	10/2/95	40,000	2,900	200	2,800	3,600
	1/12/96	260,000	2,600	2,200	6,300	7,800
	4/13/96	30,000	1,900	370	2,300	2,400
	7/26/96	180,000	1,400	640	2,100	5,000
	10/21/96	62,000	2,100	<0.5	2,100	2,700
	1/28/97	46,000	1,500	94	1,800	2,000
	4/25/97	23,000	790	26	820	730
	7/17/97	95,000	2,200	<0.5	3,100	4,300
	10/21/97	31,000	2,000	<0.5	2,100	1,900
	3/10/98	19,000	730	44	820	1,000
	6/6/98	16,000	670	1,100	510	1,200

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-2	9/30/98	24,000	600	77	680	580
	12/30/98	9,300	510	96	450	480
	3/23/99	5,700	580	9.4	400	280
	9/29/99	17,000	880	240	830	1,000
	12/29/99	11,000	800	11	860	780
MW-3	1/6/95	740,000	11,000	2,300	8,300	28,000
	7/6/95	86,000	12,000	8,600	4,900	19,000
	10/2/95	100,000	15,000	11,000	6,000	20,000
	1/12/96	84,000	6,500	4,100	3,200	12,000
	4/13/96	48,000	7,600	3,600	2,800	9,400
	7/26/96	62,000	6,400	3,100	3,000	11,000
	10/21/96	110,000	5,400	2,400	2,500	9,800
	1/28/97	130,000	5,500	15,000	2,300	12,000
	4/25/97	180,000	6,900	20,000	2,600	13,000
	7/17/97	69,000	5,100	1,100	1,800	8,600
	10/21/97	58,000	4,300	1,300	2,100	8,000
	3/10/98	25,000	3,000	1,300	1,100	3,700
	6/6/98	52,000	4,400	1,900	2,300	6,900
	9/30/98	42,000	4,300	1,400	1,800	6,600
	12/30/98	34,000	4,200	770	2,300	9,000
	3/23/99	44,000	3,500	1000	1,700	5,200
	9/29/99	39,000	6,000	840	2,400	8,100
	12/29/99	39,000	4,600	790	2,400	8,100

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-4	12/30/98	12,000	1,200	1,100	290	1,400
	3/23/99	89,000	5,900	8,700	2,000	9,200
	9/29/99	48,000	5,300	6,800	1,700	7,700
MW-5	12/30/98	170	1.1	<0.5	<0.5	0.83
	3/22/99	470	3.8	0.51	2.0	<0.5
	9/29/99	1,200	13	4.2	2.7	4.2
MW-6	12/30/98	400	1.0	<0.5	<0.5	4.8
	3/22/99	390	<0.5	<0.5	<0.5	<0.5
	9/30/99	330	1.8	1.4	1.5	<0.5
MW-8	12/30/98	2,200	70	0.94	26	15
	3/23/99	2,300	34	1.1	15	13
	9/30/99	8,800	140	<50	53	<50
	12/29/99	1,900	64	1.0	22	23
MW-9	12/30/98	25,000	23	<10	180	620
	3/23/99	27,000	35	<20	600	920
	9/30/99	42,000	140	130	1,000	1,700
	12/29/99	1,100,000	1,200	1,300	4,300	8,700
MW-10	12/30/98	6,900	130	19	140	210
	3/23/99	6,600	150	33	240	170
	9/30/99	9,300	60	38	280	150
	12/29/99	5,800	87	10	420	180
MW-11	12/30/98	80	<0.5	<0.5	0.93	1.6
	3/23/99	<50	<0.5	<0.5	<0.5	<0.5

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-11	9/30/99	94	<0.5	<0.5	<0.5	<0.5
MW-1A	5/30/97	12,000	18	8.7	90	540
	12/30/98	51	<0.5	<0.5	<0.5	<0.5
	3/23/99	1,800	4.0	<0.5	3.0	7.5
	3/23/99	2,200	10	0.52	3.1	7.1
	9/30/99	13,000	63	26	30	72
141 Farrelly	4/6/96	<50	<0.5	<0.5	<0.5	<0.5
	10/2/99	<50	<0.5	<0.5	<0.5	<0.5

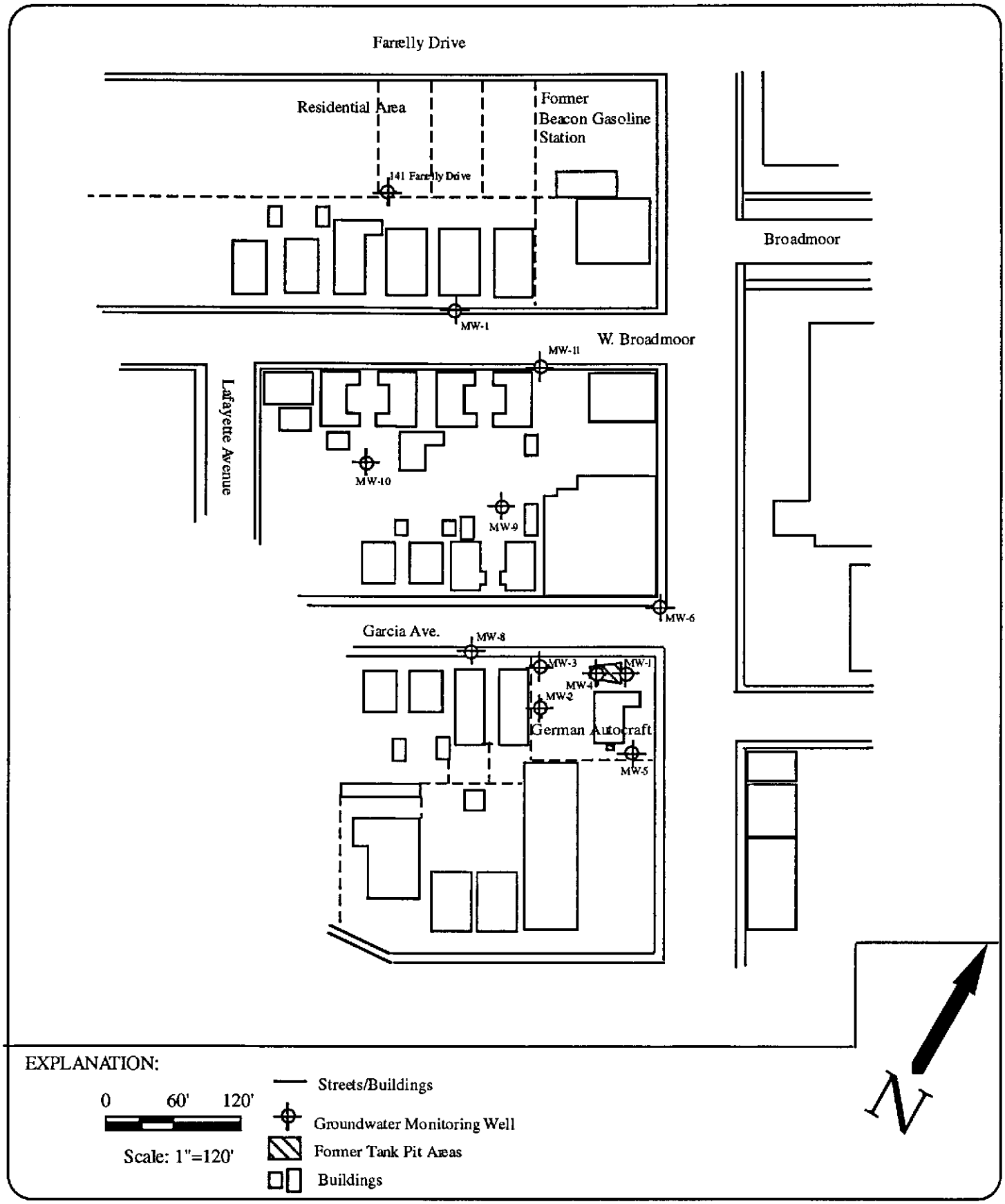


ENVIRONMENTAL TESTING & MGMT
111 N. MARKET ST. SUITE 600
SAN JOSE, CALIFORNIA 95113

LOCATION MAP
German Autocraft
301 East 14th Street
San Leandro, California

Figure 1

Project No.
94-52
Date: 3/97

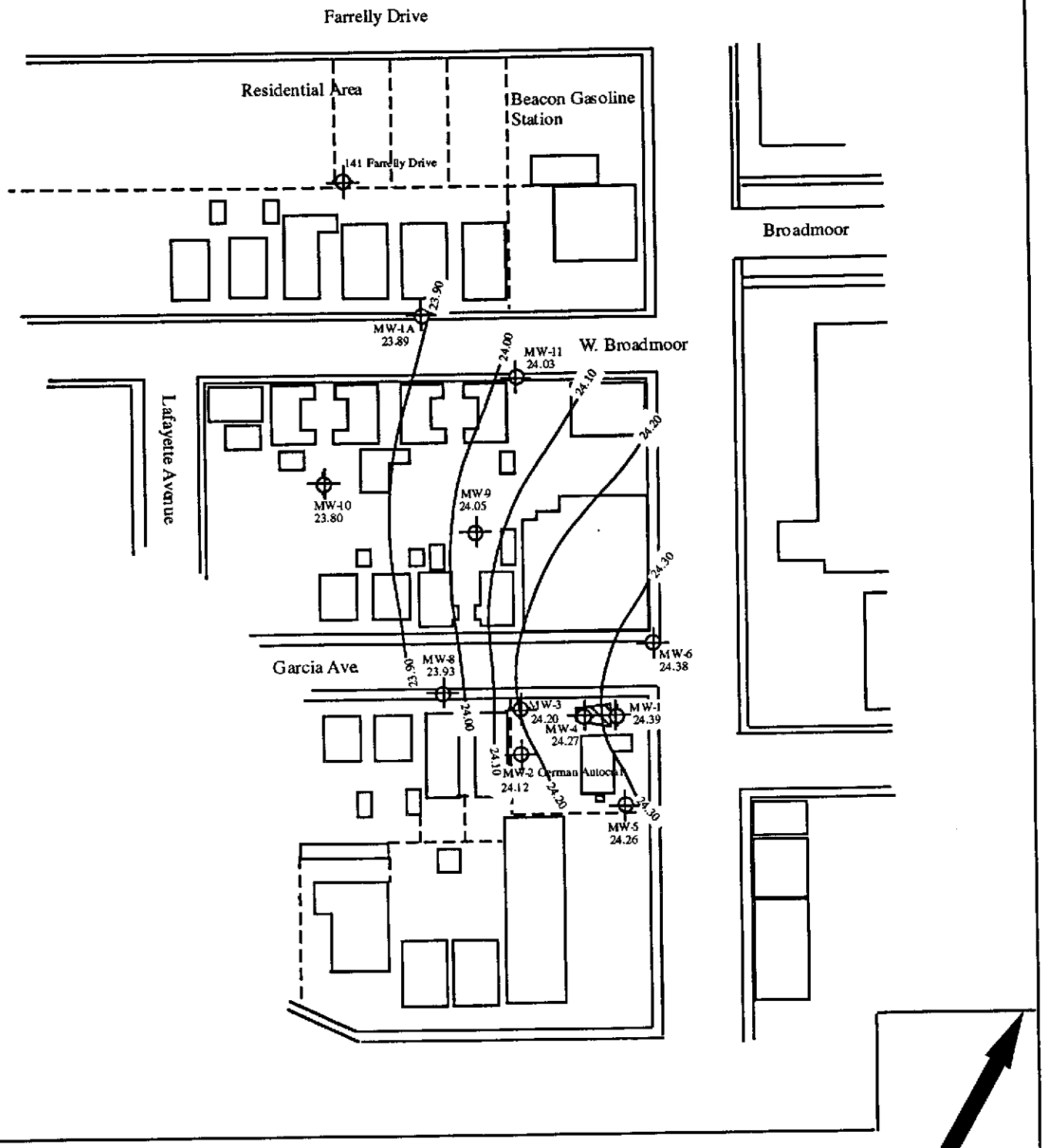


ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CA 95112

SITE MAP
German Autocraft
301 East 14th Street
San Leandro, California

Figure 2

Date: 7/99

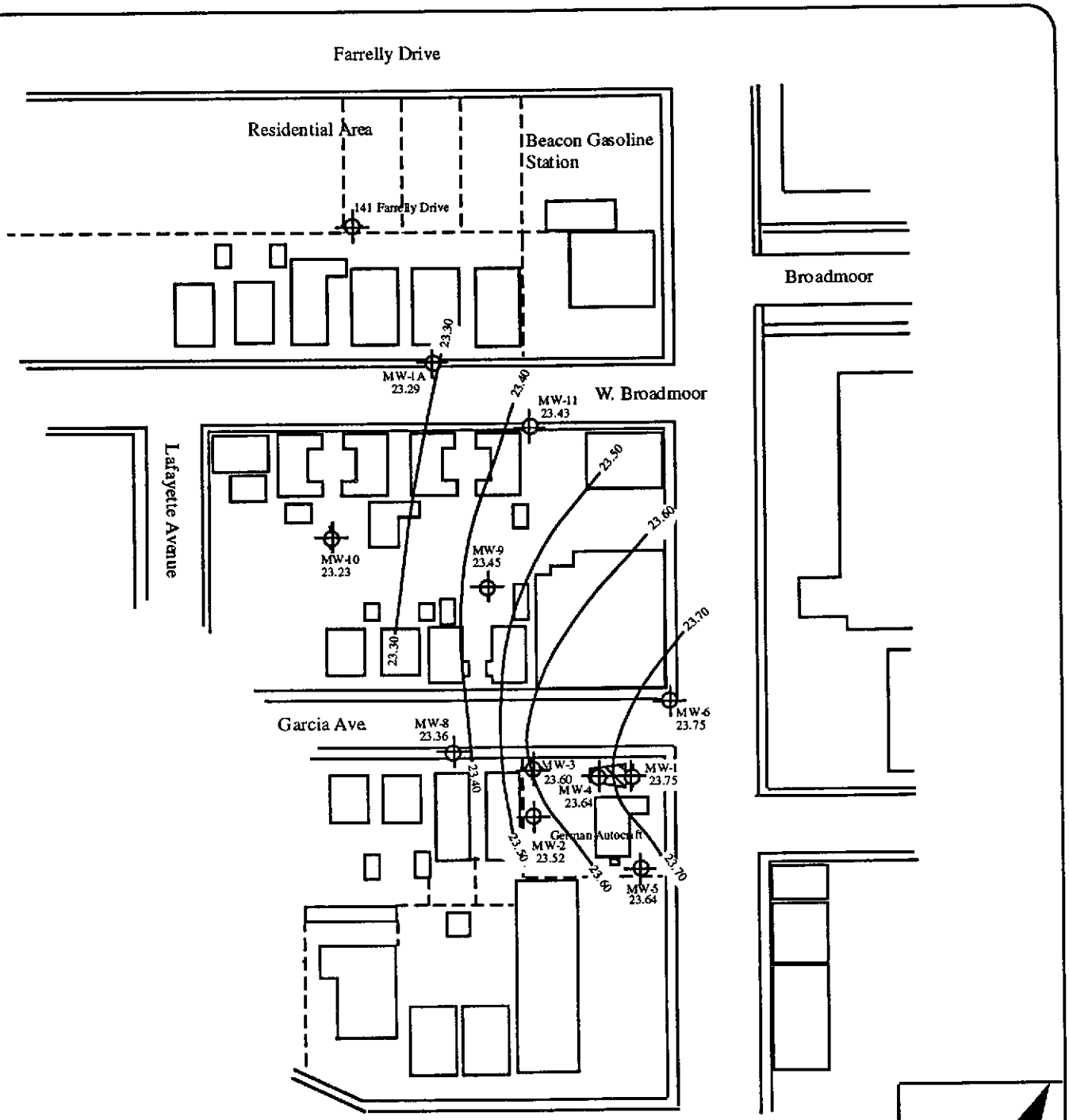


ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 453-1800

GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION ISOCONTOUR MAP (9/29/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 3a

Date: 2/00



EXPLANATION:

0 60' 120'

Scale: 1"=120'

Streets/Buildings

23.70 Groundwater Potentiometric Elevation (MSL)

Groundwater Monitoring Well

Former Tank Pit Areas

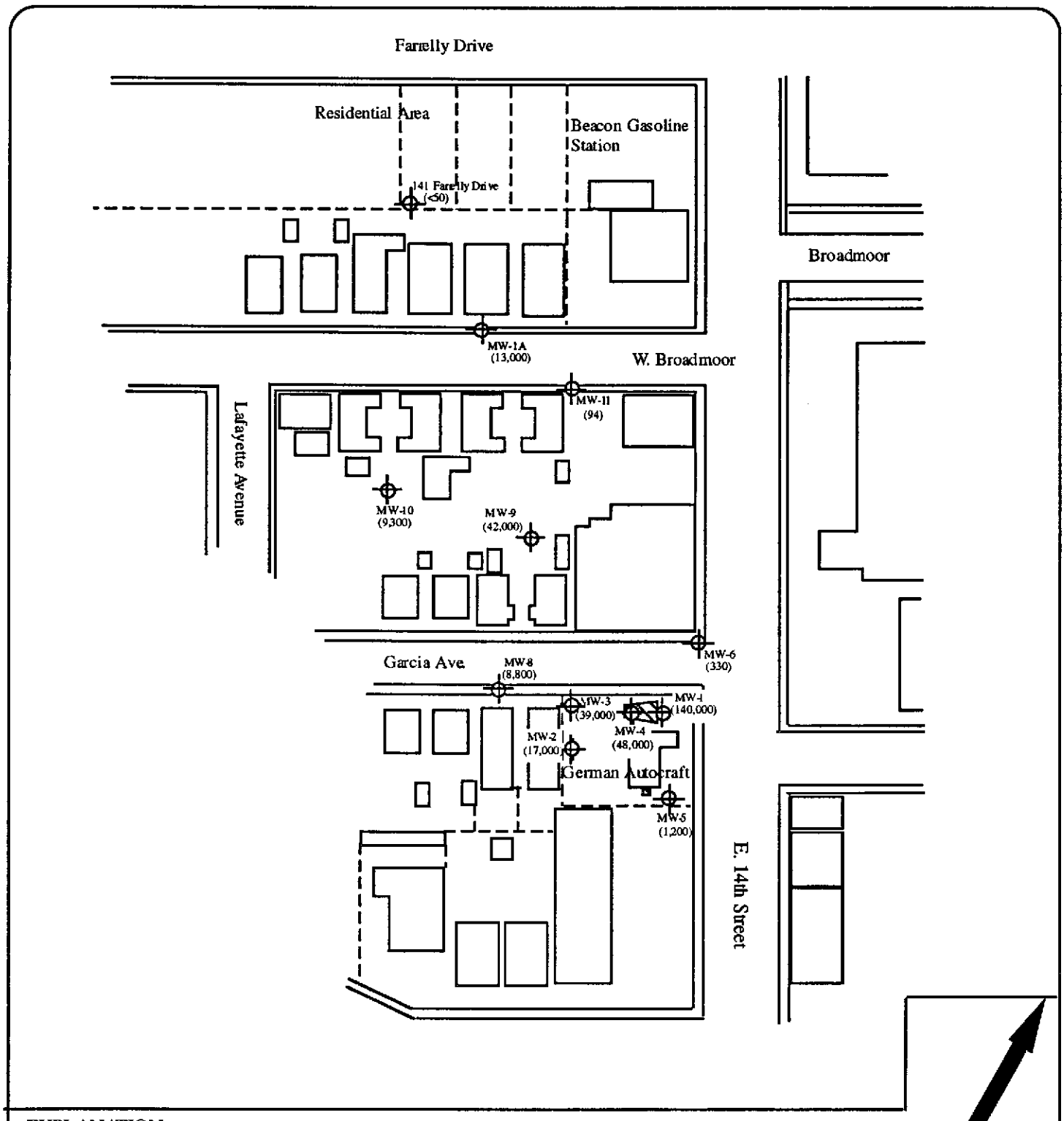
Buildings

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
(408) 453-1800

GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION ISOCONTOUR MAP (12/29/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 3b

Date: 2/00

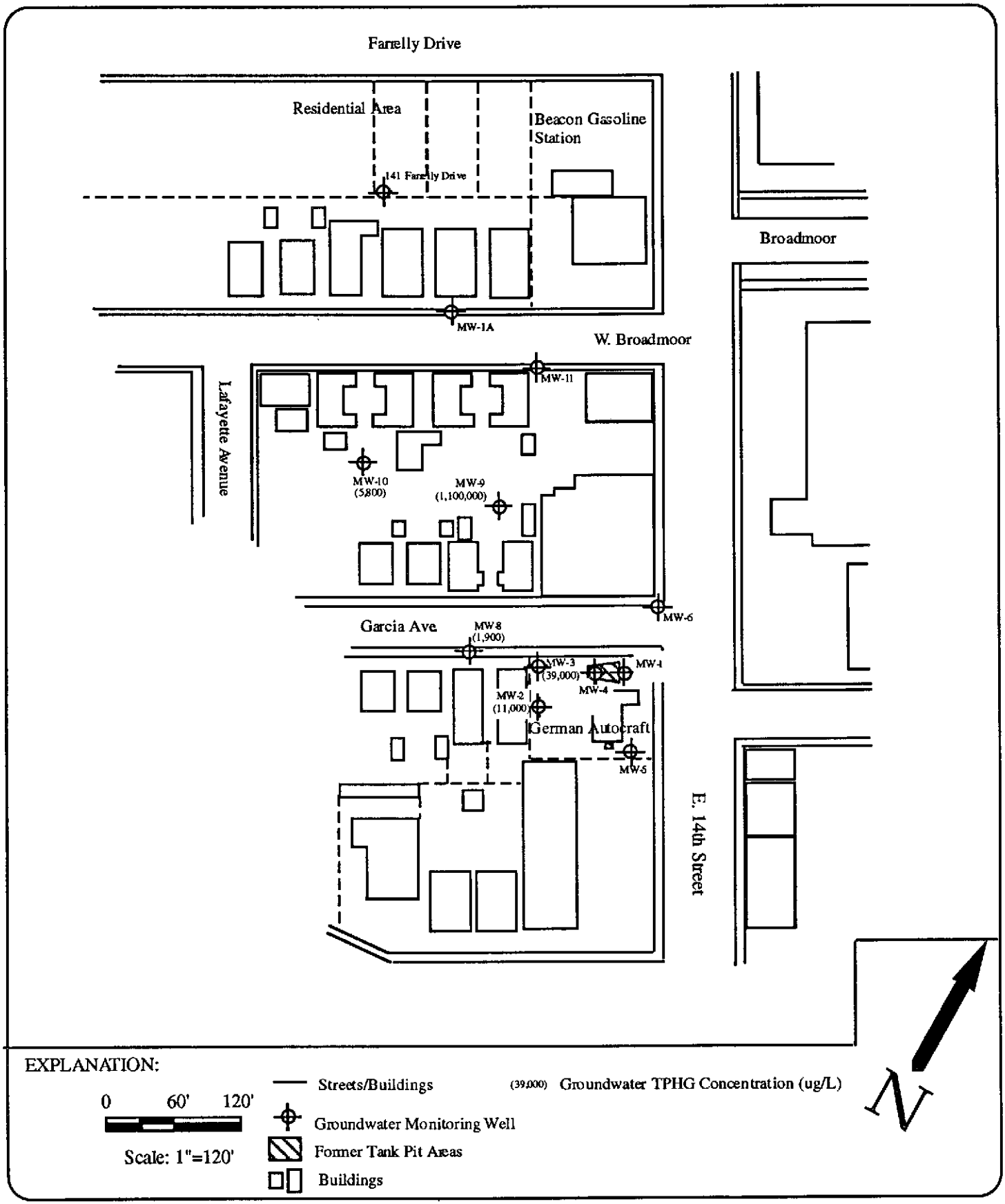


ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408)453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER TPHG CONCENRATIONS
(9/29/99 - 10/2/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 4a

Date: 2/00

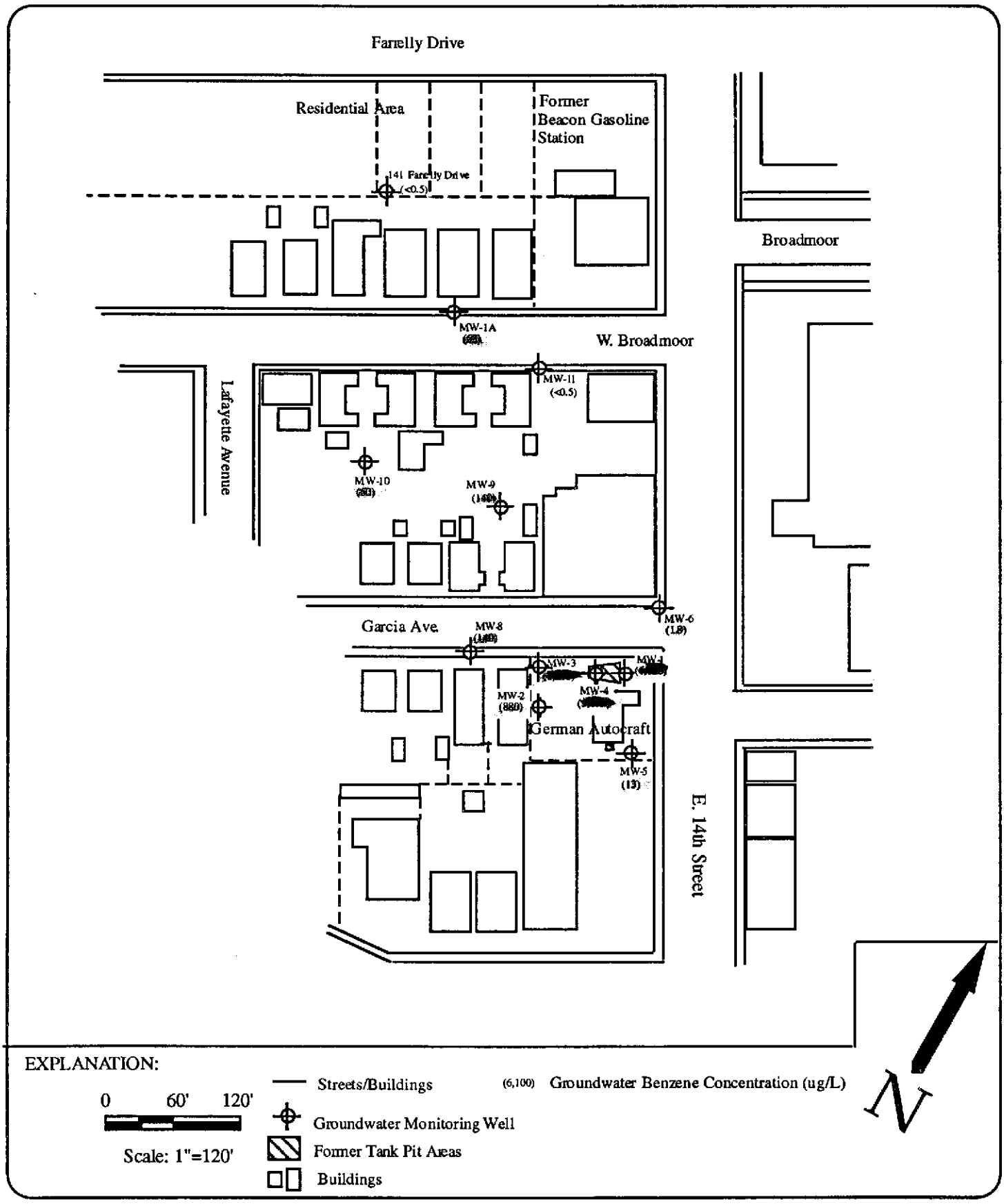


ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER TPHG CONCENTRATIONS (12/29/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 4b

Date: 2/00

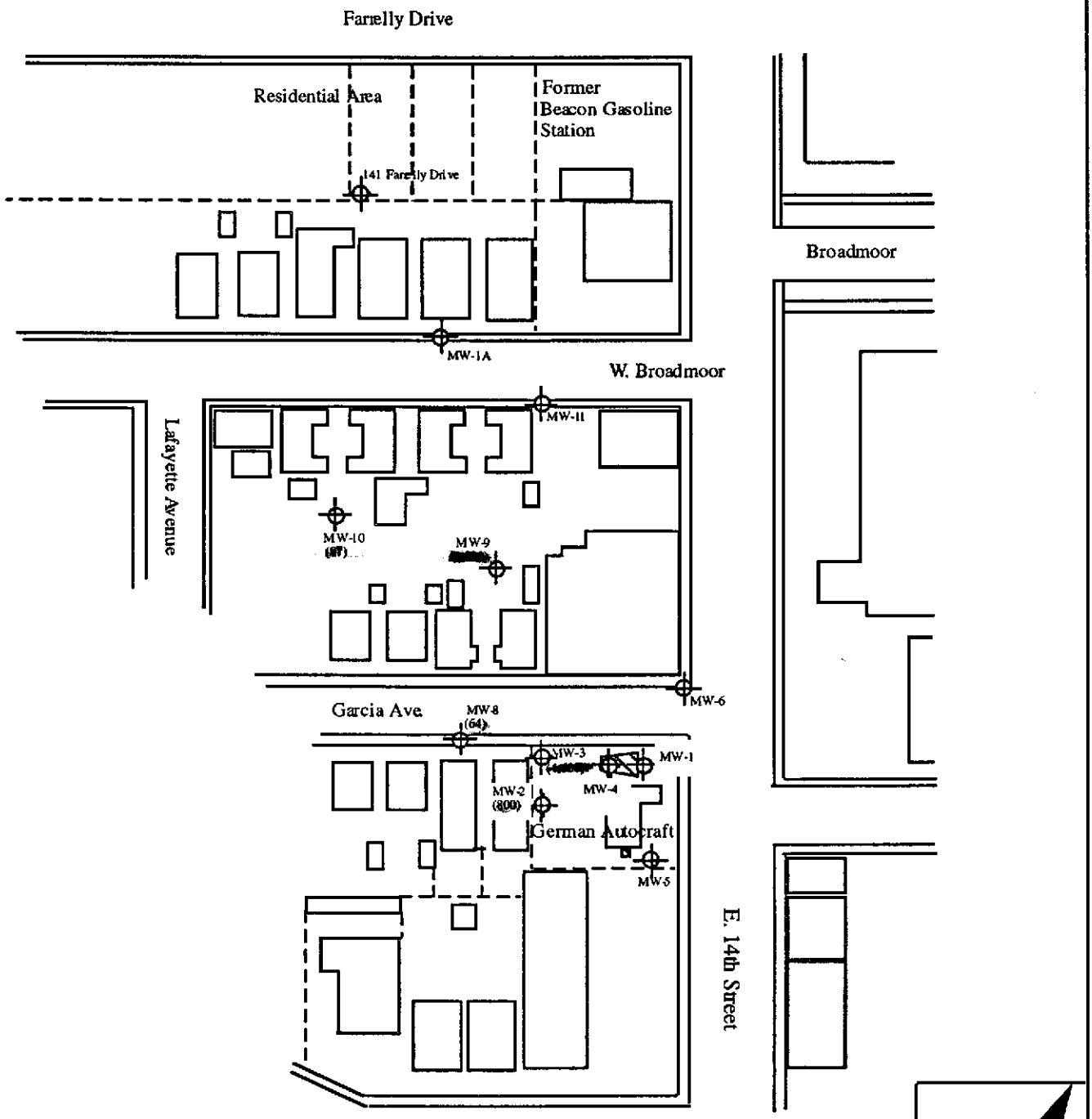


ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
BENZENE CONCENTRATIONS (9/29/99 - 10/2/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 5a

Date: 2/00



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408)453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
BENZENE CONCENTRATIONS (12/29/99)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 5b

Date: 2/00

APPENDIX A: FIELD SAMPLING AND GAUGING PROCEDURES

GROUNDWATER LEVEL MEASURING AND SAMPLING:

Sampling procedures commenced with measuring static water levels in monitoring wells using an electronic water level indicator accurate to 0.01 inch. Groundwater samples were collected using Teflon™ or stainless steel bailers. The bailers were cleaned prior to lowering into the groundwater by washing with Liquinox or laboratory grade detergent, rinsing with tap water, and drying. Floating product thickness was measured by gently lowering a bailer or preferably an interface sampler into the well casing. The liquid level in the sampler was allowed to equilibrate with the liquid level in the well. After raising the sampler, the thickness of floating product, if present, was measured in the transparent sampler with a ruler or noting the presence of sheen and odor. The wells were then purged a minimum of four well volumes or until the parameters of temperature, conductance, and pH stabilized.

Groundwater samples were collected by gently pouring from the bailer into a 40-milliliter vial until a positive meniscus formed at the top of the vial, each vial was capped, and visually inspected to make sure no bubbles were present. Sample containers are labeled for sampling point reference and chilled on ice immediately after collection. Chain-of-custody documentation was maintained until the samples were received by the laboratory.

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/8/99
Date Received: 10/1/99
Project: GA
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW-1			MW-2			MW-3				
Sample Date	9/29/99			9/29/99			9/29/99				
Sample Time											
Lab #	16664-001			16664-002			16664-003				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in µg/Liter:											
Analysis Date	10/6/99			10/5/99			10/5/99				
TPH-Gas	**140,000**	200	10000	**17,000**	100	5000	**39,000**	50	2500	50	8015M
Benzene	**6,100**	200	100	**880**	100	50	**6,000**	50	25	0.50	8020
Toluene	**35,000**	200	100	**240**	100	50	**840**	50	25	0.50	8020
Ethyl Benzene	**5,400**	200	100	**830**	100	50	**2,400**	50	25	0.50	8020
Xylenes (total)	**27,000**	200	100	**1,000**	100	50	**8,100**	50	25	0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/8/99
Date Received: 10/1/99
Project: GA
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW-4			MW-5			MW-6				
Sample Date	9/29/99			9/29/99			9/30/99				
Sample Time											
Lab #	16664-004			16664-005			16664-006				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in µg/Liter:											
Analysis Date	10/5/99			10/5/99			10/5/99				
TPH-Gas	**48,000**	50	2500	**1,200**	1.0	50	**330**	1.0	50	50	8015M
Benzene	**5,300**	50	25	**13**	1.0	0.50	**1.8**	1.0	0.50	0.50	8020
Toluene	**6,800**	50	25	**4.2**	1.0	0.50	**1.4**	1.0	0.50	0.50	8020
Ethyl Benzene	**1,700**	50	25	**2.7**	1.0	0.50	**1.5**	1.0	0.50	0.50	8020
Xylenes (total)	**7,700**	50	25	**4.2**	1.0	0.50	**ND**	1.0	0.50	0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/8/99
Date Received: 10/1/99
Project: GA
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW-8			MW-9			MW-10				
Sample Date	9/30/99			9/30/99			9/30/99				
Sample Time											
Lab #	16664-007			16664-008			16664-009				
	Result	DF	DLR	Result	DF	DLR	Result	DF	DLR	PQL	Method
Results in µg/Liter:											
Analysis Date	10/5/99			10/5/99			10/5/99				
TPH-Gas	**8,800**	100	5000	**42,000**	100	5000	**9,300**	50	2500	50	8015M
Benzene	**140**	100	50	**140**	100	50	**60**	50	25	0.50	8020
Toluene	**ND**	100	50	**130**	100	50	**38**	50	25	0.50	8020
Ethyl Benzene	**53**	100	50	**1,000**	100	50	**280**	50	25	0.50	8020
Xylenes (total)	**ND**	100	50	**1,700**	100	50	**150**	50	25	0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/8/99
Date Received: 10/1/99
Project: GA
PO #:
Sampled By: Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	MW-11			MW-1A							
Sample Date	9/30/99			9/30/99							
Sample Time											
Lab #	16664-010			16664-011							
	Result	DF	DLR	Result	DF	DLR				PQL	Method
Results in µg/Liter:											
Analysis Date	10/5/99			10/6/99							
TPH-Gas	**94** x	1.0	50	**13,000**	10	500				50	8015M
Benzene	**ND**	1.0	0.50	**63**	10	5				0.50	8020
Toluene	**ND**	1.0	0.50	**26**	10	5				0.50	8020
Ethyl Benzene	**ND**	1.0	0.50	**30**	10	5				0.50	8020
Xylenes (total)	**ND**	1.0	0.50	**72**	10	5				0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

STANDARD LAB QUALIFIERS
July, 1998

All Entech lab reports now reference standard lab qualifiers. These qualifiers are noted in the adjacent column to the analytical result and are adapted from the U.S. EPA CLP program. The current qualifier list is as follows:

Qualifier	Description
U	Compound was analyzed for but not detected
J	Estimated valued for tentatively identified compounds or if result is below PQL but above MDL
N	Presumptive evidence of a compound (for Tentatively Identified Compounds)
B	Analyte is found in the associated Method Blank
E	Compounds whose concentrations exceed the upper level of the calibration range
D	Multiple dilutions reported for analysis; discrepancies between analytes may be due to dilution
X	Results within quantitation range; chromatographic pattern not typical of fuel

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: GBG1991006
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 10/06/99
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	SP % R	SPD µg/Liter	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	5.9	**105**	6.1	**109**	3.8	25	77-129
Toluene	8020	<0.50	29.0	ND	28	**96**	28	**98**	1.5	25	82-122
Ethyl Benzene	8020	<0.50	5.7	ND	5.3	**93**	5.4	**94**	1.1	25	77-114
Xylenes	8020	<0.50	30.6	ND	29	**96**	30	**98**	2.1	25	85-125
Gasoline	8015	<50.0	500	ND	455	**91**	456	**91**	0.4	25	75-125
aaa-TFT(S.S.)-PID	8020			77%	79%		80%				65-135
aaa-TFT(S.S.)-FID	8015			98%	100%		100%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: GBG1991005
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 10/05/99
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	6.3	**113**	6.1	**108**	4.4	25	77-129
Toluene	8020	<0.50	29.0	ND	29	**100**	29	**99**	1.2	25	82-122
Ethyl Benzene	8020	<0.50	5.7	ND	5.5	**96**	5.4	**95**	1.5	25	77-114
Xylenes	8020	<0.50	30.6	ND	31	**100**	30	**99**	0.7	25	85-125
Gasoline	8015	<50.0	500	ND	455	**91**	456	**91**	0.4	25	75-125
aaa-TFT(S.S.)-PID	8020			78%	81%		79%				65-135
aaa-TFT(S.S.)-FID	8015			99%	101%		100%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

Chain of Custody/Analysis Work Order

Client: ENV. TEST Mgmt
Address: 1793 Rogers Ave
San Jose CA 95112
Contact: Tom Price
Telephone #: 453-1800
Date Received:
Turn Around: std.

Project ID: GA
Purchase Order #:

Sampler/Company: Telephone #:

Special Instructions/Comments

LAB USE ONLY

Samples arrived chilled and intact:
Yes No
Notes:

Sample Information								Requested Analysis							
Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH g/ BTEX							
	MW-1	G	W	9/29/99		ch, II/ HCl	40ml VOAs	✓			16664-001				
	MW-2			9/29/99				✓				-002			
	MW-3			9/29/99				✓				-003			
	~~MW~~ MW-4			9/29/99				✓				-004			
	MW-5			9/29/99				✓				-005			
	MW-6			9/32/99				✓				-006			
	MW-8			9/32/99				✓				-007			
	MW-9			9/30/99				✓				-008			

Relinq. By:	Received By:	Date	Time
Tom Price	Paul Smith 10/1/1999 13:35	10/1/99.	2 35 pm
Relinq. By:	Received By:	Date	Time
Relinq/ By:	Received By:	Date	Time

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

Chain of Custody/Analysis Work Order

Client: ENVTEST MGMT
Address: 1792 Rogers Ave
San Jose CA 95112
Contact: Tom Price
Telephone #: (408) 4531800
Date Received:
Turn Around: Std

Project ID: GA
Purchase Order #:

Sampler/Company: Telephone #:

Special Instructions/Comments

LAB USE ONLY

Samples arrived chilled and intact:
Yes No
Notes:

Sample Information

Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH d/ BTEX							
	MW-10	G	W	9/30/99		chill HCl	40ml VOAs	✓			16664	-	009		
	MW-11	↓	↓	9/30/99		↓	↓	✓				-	010		
	MW-1A	↓	↓	9/30/99		↓	↓	✓				-	011		

Relinq. By:	Received By:	Date	Time
Jon Brien	Paul Sinclair 10/01/99 1355	10/1/99	3:35 pm.
Relinq. By:	Received By:	Date	Time
Relinq/ By:	Received By:	Date	Time

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/12/99
Date Received: 10/4/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Tom Price

Certified Analytical Report

Order ID: 16690 **Lab Sample ID:** 16690-001 **Client Sample ID:** 141 Farrelly

Sample Time: **Sample Date:** 10/2/99 **Matrix:** Liquid

Parameter	Result	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
tert-Butanol	ND	1	20	20	µg/L	10/12/99	WMS991011	EPA 8260B
Methyl-t-butyl Ether	ND	1	5	5	µg/L	10/12/99	WMS991011	EPA 8260B
Diisopropyl Ether	ND	1	5	5	µg/L	10/12/99	WMS991011	EPA 8260B
Ethyl-t-butyl Ether	ND	1	5	5	µg/L	10/12/99	WMS991011	EPA 8260B
tert-Amyl Methyl Ether	ND	1	5	5	µg/L	10/12/99	WMS991011	EPA 8260B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromotluorobenzene	131	65 - 135
Dibromofluoromethane	95	65 - 135
Toluene-d8	104	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 10/12/99
Date Received: 10/4/99
Project: GA
PO #:
Sampled By: Client

Certified Analytical Report

Liquid Sample Analysis:

Sample ID	**141 Farrally**										
Sample Date	10/2/99										
Sample Time											
Lab #	**16690-001**										
	Result	DF	DLR							PQL	Method
Results in µg/Liter:											
Analysis Date	10/6/99										
TPH-Gas	**ND**	1.0	50							50	8015M
Benzene	**ND**	1.0	0.50							0.50	8020
Toluene	**ND**	1.0	0.50							0.50	8020
Ethyl Benzene	**ND**	1.0	0.50							0.50	8020
Xylenes (total)	**ND**	1.0	0.50							0.50	8020

DF=Dilution Factor ND= None Detected above DLR PQL=Practical Quantitation Limit DLR=Detection Reporting Limit

· Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #I-2346)

Michelle L. Anderson, Lab Director

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Compounds
Laboratory Control Sample

QC Batch #: WGCMS991011
Matrix: Liquid
Units: µg/L

Date analyzed: 10/11/99
Spiked Sample: Blank Spike

PARAMETER	Method #	SA µg/L	SR µg/L	SP µg/L	SP %R	SPD µg/L	SPD %R	RPD	QC LIMITS RPD	QC LIMITS %R
1,1- Dichloroethene	8240/8260	25	ND	18.1	**72**	19.2	**77**	5.9	25	50-150
Methyl-tert-butyl ether	8240/8260	25	ND	19.5	**78**	22.6	**90**	14.7	25	50-150
Benzene	8240/8260	25	ND	26.6	**106**	25.5	**102**	4.2	25	50-150
Trichloroethene	8240/8260	25	ND	22.2	**89**	23.2	**93**	4.4	25	50-150
Toluene	8240/8260	25	ND	26.3	**105**	25.7	**103**	2.3	25	50-150
Chlorobenzene	8240/8260	25	ND	26.4	**106**	25.7	**103**	2.7	25	50-150
Surrogates										
Dibromofluoromethane	8240/8260		115%	118%		116%				65-135
MTBE-d3	8240/8260		115%	91%		95%				65-135
Toluene -d8	8240/8260		105%	108%		106%				65-135
4-Bromofluorobenzene	8240/8260		105%	114%		116%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike Duplicate % Recovery

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: GBG1991005
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 10/05/99
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	6.3	**113**	6.1	**108**	4.4	25	77-129
Toluene	8020	<0.50	29.0	ND	29	**100**	29	**99**	1.2	25	82-122
Ethyl Benzene	8020	<0.50	5.7	ND	5.5	**96**	5.4	**95**	1.5	25	77-114
Xylenes	8020	<0.50	30.6	ND	31	**100**	30	**99**	0.7	25	85-125
Gasoline	8015	<50.0	500	ND	455	**91**	456	**91**	0.4	25	75-125
aaa-TFT(S.S.)-PID	8020			78%	81%		79%				65-135
aaa-TFT(S.S.)-FID	8015			99%	101%		100%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

Chain of Custody/Analysis Work Order

Client: ~~GA~~ ENV. TEST Mgmt.
Address: 1792 Rogers Ave
San Jose CA 95112
Contact: Tom Price
Telephone #: (408) 453-1800
Date Received:
Turn Around: Std.

Project ID: GA.
Purchase Order #:

Sampler/Company: Telephone #:

Special Instructions/Comments

LAB USE ONLY

Samples arrived chilled and intact:
Yes No
Notes:

Sample Information								Requested Analysis						
Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH 8015 BTEX	8260 oxygenates					
	141 Farrally	G.	W	10/2/99.		HCl	40ml VOAs	✓	✓				16690-001	

Relinq. By: Tom Price	Received By:	Date 10/4/99	Time 10:10 Am
Relinq. By:	Received By:	Date	Time
Relinq/ By:	Received By:	Date 10/4/99	Time 1010 am

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

January 07, 2000

Tom Price
Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112

Order: 18393
Project Name:
Project Number: GA
Project Notes:

Date Collected: 12/29/99
Date Received: 12/30/99
P.O. Number:

On December 30, 1999, 5 samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	BTEX	EPA 8020
	TPH as Gasoline	EPA 8015 MOD. (Purgeable)

Chemical analysis of these samples has been completed. Summaries of the data are contained on the following pages. USEPA protocols for sample storage and preservation were followed.

Entech Analytical Labs, Inc. is certified by the State of California (#2346). If you have any questions regarding procedures or results, please call me at 408-735-1550.

Sincerely,

Michelle L. Anderson
Lab Director

Entech Analytical Labs, Inc.

CA ELAP# I-2346

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • (408) 735-1550 • Fax (408) 735-1554

Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 1/7/00
Date Received: 12/30/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 18393 **Lab Sample ID:** 18393-001 **Client Sample ID:** MW-2

Sample Time: **Sample Date:** 12/29/99 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	800		20	0.5	10	µg/L		1/6/00	WGC4000105	EPA 8020
Toluene	11		20	0.5	10	µg/L		1/6/00	WGC4000105	EPA 8020
Ethyl Benzene	860		20	0.5	10	µg/L		1/6/00	WGC4000105	EPA 8020
Xylenes, Total	780		20	0.5	10	µg/L		1/6/00	WGC4000105	EPA 8020

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	71	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	11000		20	50	1000	µg/L		1/6/00	WGC4000105	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	73	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 1/7/00
Date Received: 12/30/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 18393 **Lab Sample ID:** 18393-002 **Client Sample ID:** MW-3

Sample Time: **Sample Date:** 12/29/99 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	4600		100	0.5	50	µg/L		1/5/00	WGC4A000104	EPA 8020
Toluene	790		100	0.5	50	µg/L		1/5/00	WGC4A000104	EPA 8020
Ethyl Benzene	2400		100	0.5	50	µg/L		1/5/00	WGC4A000104	EPA 8020
Xylenes, Total	8100		100	0.5	50	µg/L		1/5/00	WGC4A000104	EPA 8020

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	95	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	39000		100	50	5000	µg/L		1/5/00	WGC4A000104	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	101	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 1/7/00
Date Received: 12/30/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 18393 **Lab Sample ID:** 18393-003 **Client Sample ID:** MW-8

Sample Time: **Sample Date:** 12/29/99 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	64		2	0.5	1	µg/L		1/5/00	WGC4A000104	EPA 8020
Toluene	1.0		2	0.5	1	µg/L		1/5/00	WGC4A000104	EPA 8020
Ethyl Benzene	22		2	0.5	1	µg/L		1/5/00	WGC4A000104	EPA 8020
Xylenes, Total	23		2	0.5	1	µg/L		1/5/00	WGC4A000104	EPA 8020

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	71	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1900		2	50	100	µg/L		1/5/00	WGC4A000104	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	73	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 1/7/00
Date Received: 12/30/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 18393 **Lab Sample ID:** 18393-004 **Client Sample ID:** MW-9

Sample Time: **Sample Date:** 12/29/99 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	1200		1000	0.5	500	µg/L		1/6/00	WGC4000105	EPA 8020
Toluene	1300		1000	0.5	500	µg/L		1/6/00	WGC4000105	EPA 8020
Ethyl Benzene	4300		1000	0.5	500	µg/L		1/6/00	WGC4000105	EPA 8020
Xylenes, Total	8700		1000	0.5	500	µg/L		1/6/00	WGC4000105	EPA 8020

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	100	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1100000		1000	50	50000	µg/L		1/6/00	WGC4000105	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	100	65 - 135

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

CA ELAP# I-2346

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Environmental Testing & Management
1792 Rogers Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 1/7/00
Date Received: 12/30/99
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 18393 **Lab Sample ID:** 18393-005 **Client Sample ID:** MW-10

Sample Time: **Sample Date:** 12/29/99 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	87		10	0.5	5	µg/L		1/5/00	WGC4B000104	EPA 8020
Toluene	10.0		10	0.5	5	µg/L		1/5/00	WGC4B000104	EPA 8020
Ethyl Benzene	420		10	0.5	5	µg/L		1/5/00	WGC4B000104	EPA 8020
Xylenes, Total	180		10	0.5	5	µg/L		1/5/00	WGC4B000104	EPA 8020

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	66	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	5800		10	50	500	µg/L		1/5/00	WGC4B000104	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits
aaa-Trifluorotoluene	59	65 - 135

Comment: Surrogate recovery out of control limits due to matrix interference

DF = Dilution Factor ND = Not Detected DLR = Detection Limit Reported PQL = Practical Quantitation Limit

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)

Michelle L. Anderson, Laboratory Director

Environmental Analysis Since 1983

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: WGC4000105
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 01/05/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	% RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	4.5	**80**	4.8	**85**	6.3	25	70-130
Toluene	8020	<0.50	31	ND	28	**89**	29	**93**	4.3	25	70-130
Ethyl Benzene	8020	<0.50	6.1	ND	5.4	**89**	5.7	**93**	4.6	25	70-130
Xylenes	8020	<0.50	35	ND	31	**88**	32	**93**	5.2	25	70-130
Gasoline	8015	<50.0	500	ND	443	**89**	432	**86**	2.5	25	70-130
aaa-TFT(S.S.)-FID	8020			114%	112%		108%				65-135
aaa-TFT(S.S.)-PID	8015			107%	103%		94%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: WGC4B000104
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 01/04/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	% RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	5.5	**98**	4.8	**87**	12.7	25	70-130
Toluene	8020	<0.50	31	ND	32	**103**	32	**101**	2.7	25	70-130
Ethyl Benzene	8020	<0.50	6.1	ND	6.2	**102**	5.7	**93**	8.9	25	70-130
Xylenes	8020	<0.50	35	ND	34	**99**	34	**98**	1.7	25	70-130
Gasoline	8015	<50.0	500	ND	456	**91**	430	**86**	5.9	25	70-130
aaa-TFT(S.S.)-FID	8020			112%	107%		103%				65-135
aaa-TFT(S.S.)-PID	8015			100%	110%		99%				65-135

Definition of Terms:

na: Not Analyzed in QC batch
MB: Method Blank
SA: Spike Added
SR: Sample Result
RPD(%): Duplicate Analysis - Relative Percent Difference
SP: Spike Result
SP (%R): Spike % Recovery
SPD: Spike Duplicate Result
SPD (%R): Spike % Recovery
nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E
Sunnyvale, CA 94086

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography
Laboratory Control Sample

QC Batch #: WGC4A000104
Matrix: Liquid
Units: µg/Liter

Date Analyzed: 01/04/00
Quality Control Sample: Blank Spike

PARAMETER	Method #	MB µg/Liter	SA µg/Liter	SR µg/Liter	SP µg/Liter	**SP % R**	SPD µg/Liter	**SPD %R**	% RPD	QC LIMITS RPD	QC LIMITS %R
Benzene	8020	<0.50	5.6	ND	5.0	**89**	4.9	**88**	1.1	25	70-130
Toluene	8020	<0.50	31	ND	29	**94**	30	**94**	0.8	25	70-130
Ethyl Benzene	8020	<0.50	6.1	ND	5.9	**97**	5.5	**91**	6.8	25	70-130
Xylenes	8020	<0.50	35	ND	33	**94**	33	**94**	0.0	25	70-130
Gasoline	8015	<50.0	500	ND	454	**91**	434	**87**	4.5	25	70-130
aaa-TFT(S.S.)-FID	8020			112%	110%		112%				65-135
aaa-TFT(S.S.)-PID	8015			100%	99%		102%				65-135

Definition of Terms:

- na: Not Analyzed in QC batch
- MB: Method Blank
- SA: Spike Added
- SR: Sample Result
- RPD(%): Duplicate Analysis - Relative Percent Difference
- SP: Spike Result
- SP (%R): Spike % Recovery
- SPD: Spike Duplicate Result
- SPD (%R): Spike % Recovery
- nc: Not Calculated

Entech Analytical Labs, Inc.

525 Del Rey Avenue, Suite E • Sunnyvale, CA 94086 • Telephone: (408) 735-1550 (800) 287-1799 • Fax: (408) 735-1554

Chain of Custody/Analysis Work Order

Client: ENV. TEST MART.
Address: 1792 Rogers Ave
San Jose CA 95112
Contact: Tom Price
Telephone #: (408) 453-1800
Date Received:
Turn Around: Std.

Project ID: GA
Purchase Order #:

Sampler/Company: Telephone #:

Special Instructions/Comments

LAB USE ONLY

Samples arrived chilled and intact:
Yes No
Notes:

GG 1/3/00
18388

Sample Information / **Requested Analysis**

Lab #	Sample ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH-g/ BTEX							
001	MW-2	G	W	12/29/99		chill HCl	40 ml VOAs	✓			18393-	001			
002	MW-3	↓	↓	"		↓	↓	✓				-002			
003	MW-8			"				✓				-003			
004	MW-9			"				✓				-004			
005	MW-10	↓	↓	"		↓	↓	✓				-005			

GG 1/3/00

Relinq. By: Tom Price	Received By:	Date 12/30/99	Time 15:00
Relinq. By:	Received By:	Date	Time
Relinq. By:	Received By:	Date	Time

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/29/99. Project Name: GA.

Project No.: _____ Well No./Description: MW-1

Depth of Well: 37.2 1 Well Volume: ~2

Depth to Water: 25.10 4 Well Volumes: _____

Casing Diameter: X 2" __ 4" Actual Volume Purged: _____

Calculations: ~12 / 12 / 7.2

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___ Displacement Pump ___ Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: ___ No X Yes, Describe Slight

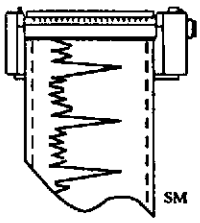
Odor: ___ No X Yes, Describe HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
428	2	7.0	73	1.5E3	gray
431	4	7.3	71	1.5E3	✓
440	6	7.2	70	1.5E3	✓

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/29/89 Project Name: GA.

Project No.: _____ Well No./Description: MW-2

Depth of Well: 33.74 1 Well Volume: ~1.3

Depth to Water: 25.89 4 Well Volumes: _____

Casing Diameter: X 2" __ 4" Actual Volume Purged: _____

Calculations: 4 L

128

128

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: ___ No X Yes, Describe Very heavy

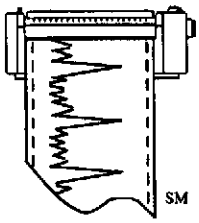
Odor: ___ No X Yes, Describe strong HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
325	1.5	7.0	76	0.1E3	gray
330	3.0	7.0	70	1.6E3	"
340	4.5	7.1	69	2.0E3	"

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/29/99. Project Name: GA.

Project No.: _____ Well No./Description: MW-3

Depth of Well: 34.90 1 Well Volume: ~1.6

Depth to Water: 25.12 4 Well Volumes: _____

Casing Diameter: X 2" __ 4" Actual Volume Purged: _____

Calculations: ~10 / 1.6 = 1+

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___ Displacement Pump ___ Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: ___ No X Yes, Describe Slight

Odor: ___ No X Yes, Describe Hc

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
345	1.6	7.1	70	1.1E3	gray
350	3.2	7.0	70	1.2E3	"
400	4.8	7.1	68	1.3E3	"

Remarks: _____

Sampler: _____

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/09/99 Project Name: GA.

Project No.: _____ Well No./Description: MW-4

Depth of Well: 34.30 1 Well Volume: 21.5

Depth to Water: 25.33 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: 21.5 / 1.4

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: ~~X~~ No X Yes, Describe rainbow

Odor: ___ No X Yes, Describe HC ~~faint~~ Strong to c

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
~~300~~	~~1.5~~	~~7.5~~	~~82~~	~~1.5E3~~	~~gray~~
~~305~~	~~3.0~~	~~7.1~~	~~79~~	~~1.5E3~~	~~4~~
~~310~~	~~4.5~~	~~7.3~~	~~79~~	~~1.7E3~~	~~4~~
400	1.5	7.0	71	1.3E3	4
405	3.0	6.9	70	1.3E3	4
410	4.5	7.0	69	1.3E3	11

Remarks: _____

Sampler: _____

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SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/22/89. Project Name: GA.

Project No.: _____ Well No./Description: MW-5

Depth of Well: 30.10 1 Well Volume: ~1

Depth to Water: 25.31 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: 3 x 5 = 15

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

Odor: ___ No X Yes, Describe its faint

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
300	1.5	7.5	82	1.8E3	gray
305	3.0	7.1	79	1.5E3	"
310	4.5	7.3	77	1.7E3	"

Remarks: _____

Sampler: _____

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1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/99 Project Name: GA

Project No.: _____ Well No./Description: MW-6

Depth of Well: 33.2 1 Well Volume: ~1.6

Depth to Water: 23.68 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: 2.0 lb / gal

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

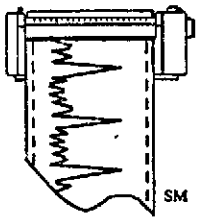
Odor: ___ No X Yes, Describe HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
225	1.6	7.0	70	1.5E3	brown
230	3.2	7.0	75	2.1E3	"
235	4.8	7.1	71	2.05D	"

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/99. Project Name: GA.

Project No.: _____ Well No./Description: MW-8

Depth of Well: 33.2 1 Well Volume: ~1.3

Depth to Water: 25.42 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: 12 / 128

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

Odor: ___ No X Yes, Describe _____

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
208	1.3	6.8	77	1.6E3	gray
210	2.6	6.6	73	1.5E3	"
215	3.9	6.4	70	1.3E3	"

Remarks: _____

Sampler: _____

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/99 Project Name: GA

Project No.: _____ Well No./Description: MW-9

Depth of Well: 34.3 1 Well Volume: ~1.6

Depth to Water: 24.72 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: ~10 / 1.6

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

Odor: ___ No X Yes, Describe Hc

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
~~225~~	~~1.6~~	~~7.0~~	~~70~~	~~1.5E3~~	~~brown~~
~~230~~	~~3.2~~	~~7.0~~	~~75~~	~~2.1E3~~	~~"~~
~~235~~	~~4.8~~	~~7.1~~	~~71~~	~~2.0E3~~	~~"~~
245	1.6	6.9	70	1.4E3	"
250	~~4.8~~ 3.2	6.7	72	1.5E3	"
255	4.8	6.9	70	1.2E3	

Remarks: _____

Sampler: _____

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/93 Project Name: GA

Project No.: _____ Well No./Description: MW-10

Depth of Well: 38.20 1 Well Volume: ~2

Depth to Water: 26.12 4 Well Volumes: _____

Casing Diameter: X 2" __ 4" Actual Volume Purged: _____

Calculations: ~1/2 1.6 7.2

2" - * 0.1632
4" - * 0.653

1.2 1.92

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

Odor: ___ No X Yes, Describe Hc.

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
125	2	7.7	82	1.0E3	GRAY.
130	4	6.7	76	1.3E3	"
135	6	6.7	74	1.4E3	"

Remarks: _____

Sampler: _____

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/99 Project Name: GA

Project No.: _____ Well No./Description: MW-11

Depth of Well: 34.30 1 Well Volume: ~2

Depth to Water: 23.90 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations:

11
16
66
11
176

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

Odor: X No ___ Yes, Describe _____

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
1240	2.0	7.4	77	1.3E3	brown
1245	4.0	7.2	75	1.3E3	"
1250	6.0	7.2	74	1.3E3	"

Remarks: _____

Sampler: _____

ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 9/30/99. Project Name: GA.

Project No.: _____ Well No./Description: MW-1A

Depth of Well: 33.45 1 Well Volume: ~1.5

Depth to Water: 24.35 4 Well Volumes: _____

Casing Diameter: X 2" __4" Actual Volume Purged: _____

Calculations: 5 16 ~9 ~44

2" - * 0.1632
4" - * 0.653

Purge Method: X Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

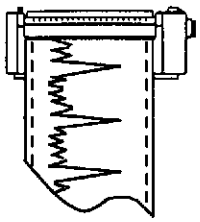
Odor: ___ No X Yes, Describe HC.

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
1107	2.0	7.0	80	1.3E3	gray
1116	4.0	7.6	73	1.1E3	"
1120	6.0	7.0	79	1.4E3	"

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 10/2/92 Project Name: GA.

Project No.: _____ Well No./Description: 141 Farrally

Depth of Well: 42.30 1 Well Volume: _____

Depth to Water: 25.48 4 Well Volumes: _____

Casing Diameter: __ 2" __ 4" Actual Volume Purged: _____

Calculations:

2" - * 0.1632
4" - * 0.653

Purge Method: ___Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: X Bailer ___ Other Specify: _____

Sheen: X No ___ Yes, Describe _____

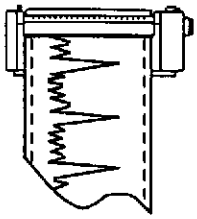
Odor: X No ___ Yes, Describe _____

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color

Remarks: grab sample only / No purge.

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 12/29/89. Project Name: GA.

Project No.: _____ Well No./Description: MW-2

Depth of Well: 33.7 1 Well Volume: 1

Depth to Water: 26.49. 4 Well Volumes: _____

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: _____

Calculations: 4 1/2 / 11.2

2" - * 0.1632
4" - * 0.653

Purge Method: ✓ Bailer ___ Displacement Pump ___ Impinger/Vacuum ___

Sample Method: ✓ Bailer ___ Other Specify: _____

Sheen: ___ No ✓ Yes, Describe heavy.

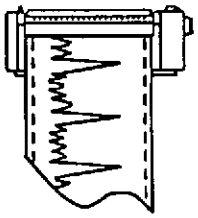
Odor: ___ No ✓ Yes, Describe HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
350	2.0	7.1	51	1.0E3	gray.
410	5.0	7.0	50	1.7E3	"

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 12/29/99 Project Name: GA.

Project No.: _____ Well No./Description: MW-3

Depth of Well: 34.9 1 Well Volume: 12

Depth to Water: 25.72 4 Well Volumes: _____

Casing Diameter: ✓2" __4" Actual Volume Purged: _____

Calculations: 2.0

2" - * 0.1632
4" - * 0.653

Purge Method: ✓Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: ✓Bailer ___ Other Specify: _____

Sheen: ✓ No ___ Yes, Describe _____

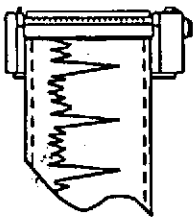
Odor: ___ No ✓Yes, Describe Mi. Hc

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
410	2.0	7.0	56	1.2E3	gray
415	4.0	7.1	57	1.2E3	"
420	6.0				

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 12/29/99. Project Name: GA

Project No.: _____ Well No./Description: MW-8

Depth of Well: 29.5 1 Well Volume: 0.7

Depth to Water: 25.99 4 Well Volumes: _____

Casing Diameter: ✓2" __4" Actual Volume Purged: _____

Calculations:

3.45
16
1270
45
7.20

2" - * 0.1632
4" - * 0.653

Purge Method: ✓Bailer ___Displacement Pump ___Impinger/Vacuum ___

Sample Method: ✓Bailer ___Other Specify:_____

Sheen: ✓No ___Yes, Describe _____

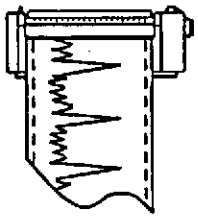
Odor: ___No ✓Yes, Describe faint HC.

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
255	3.0	NON -	OPERATIONAL		GRAY/TAN
~~312~~					

Remarks:_____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 12/29/99 Project Name: GA

Project No.: _____ Well No./Description: MW-9

Depth of Well: 34.3 1 Well Volume: ~2

Depth to Water: 25.39 ~4 Well Volumes: _____

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: _____

Calculations:

11
16
66
21
176

2" - * 0.1632
4" - * 0.653

Purge Method: ✓ Bailer __ Displacement Pump __ Impinger/Vacuum __

Sample Method: ✓ Bailer __ Other Specify: _____

Sheen: __ No ✓ Yes, Describe heavy / across surface

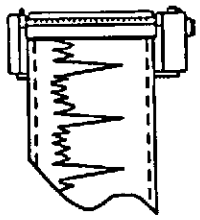
Odor: ✓ No __ Yes, Describe _____

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
327	2.0	6.8	60	1.3E3	gray
332	4.0				"
337	6.0	7.1	60	1.3E3	"

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING & MGMT.
1792 ROGERS AVENUE
SAN JOSE, CALIFORNIA 95112
408.453-1800 FAX: 408.453.1801

Date: 12/29/99 Project Name: GA

Project No.: _____ Well No./Description: MW-10

Depth of Well: 38.90 1 Well Volume: ~2

Depth to Water: 26.69 4 Well Volumes: _____

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: _____

Calculations:

12
16
72

12
1.7 2

2" - * 0.1632
4" - * 0.653

Purge Method: ✓ Bailer ___ Displacement Pump ___ Impinger/Vacuum ___

Sample Method: ✓ Bailer ___ Other Specify: _____

Sheen: ✓ No ___ Yes, Describe _____

Odor: ___ No ✓ Yes, Describe HC slight, aged.

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
228	2	7.4	67	1.3E3	tan/gray.
232	4	7.3	68	1.2E3	"
237	6	7.0	67	1.3E3	"

Remarks: _____

Sampler: _____

APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The quality assurance/quality control measures used for groundwater sampling conducted on 9/29/99 - 10/2/99 and 12/29/99 included the following:

- Groundwater samples were collected in triplicate 40 milliliter vials.

APPENDIX E: REPORT DISTRIBUTION LIST

Copies of this report have been mailed to the attention of the following parties:

Seung Lee
German Autocraft
301 E. 14th Street
San Leandro, California 94577

Scott O. Seery
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

Mike Bakaldin
City of San Leandro Fire Department
835 E. 14th Street, Suite 200
San Leandro, California 94577