

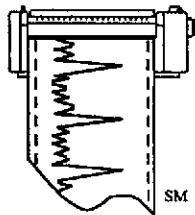
FOURTH QUARTER 2000
QUARTERLY GROUNDWATER MONITORING PROGRAM
GERMAN AUTOCRAFT
301 E. 14TH STREET, SAN LEANDRO, CALIFORNIA

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I. INTRODUCTION

Environmental Testing (ET) has continued the quarterly groundwater monitoring program during the calendar fourth quarter 2000 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.

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 this period involved sampling and testing selected monitoring wells and one (1) private well located at the Ramirez residence at 141 Farrelly Drive. Three additional monitoring wells were installed January 2001. 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 FOURTH QUARTER 2000

Work for the groundwater monitoring program included groundwater level gauging and sampling, sample analysis, and report preparation.

Activity highlights during this period are as follows:

- **December 28, 2000** - ET measured groundwater elevations at wells and collected samples according to the scheduled monitoring program.

IV. GROUNDWATER ELEVATION AND GRADIENT

Static groundwater level elevation data collected on December 28, 2000 indicated that over the area studied, the elevation of the shallow groundwater surface ranged from 24.03 to 24.63 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 3** 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 this quarter is consistent with previous observations.

V. GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

On December 28, 2000, groundwater samples were collected from MW-2, MW-3, MW-8, MW-9, MW-10, and the private well at 141 Farrelly Drive 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**. In addition the sample collected at the private well at 141 Farrelly Drive was tested for MTBE and related oxygenates by EPA Method 8260 (**Table 4**). 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**. A City of San Leandro encroachment permit is included in **Appendix E**.

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 12/28/00 from MW-2, located down gradient of the former gasoline tank area, contained: TPHg at 12,000 micrograms per liter ($\mu\text{g/L}$); benzene at 540 $\mu\text{g/L}$ which exceeds its MCL of 1 $\mu\text{g/L}$; toluene at 30 $\mu\text{g/L}$ which exceeds its MCL of 150 $\mu\text{g/L}$; ethyl benzene at 420 $\mu\text{g/L}$

which is below its MCL of 700 µg/L, and; total xylenes at 330 µg/L which is below its MCL of 1,750 µg/L.

The sample collected 12/28/00 from monitoring well MW-3, also located down gradient of the former gasoline tank area, contained 33,000 µg/L of TPHg, 4,700 µg/L of benzene, 450 µg/L of toluene, 2,100 µg/L of ethyl benzene, and 6,400 µg/L of total xylenes.

The sample collected 12/28/00 from monitoring well MW-8 contained 1,200 µg/L of TPHg, 47 µg/L of benzene, 3.7 µg/L of toluene, 17 µg/L of ethyl benzene, and 18 µg/L of total xylenes.

The sample collected 12/28/00 from monitoring well MW-9 contained 22,000 µg/L of TPHg, 100 µg/L of benzene, <100 µg/L of toluene, 610 µg/L of ethyl benzene, and 770 µg/L of total xylenes.

The sample collected 12/28/00 from monitoring well MW-10 contained 3,900 µg/L of TPHg, 55 µg/L of benzene, 13 µg/L of toluene, 98 µg/L of ethyl benzene, and 38 µg/L of total xylenes.

The private well sampled on 12/28/00 at 141 Farrelly did not contain gasoline 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. Also the sample did not contain oxygenates above detection limits as follows <5 µg/L Diisopropyl Ether (DIPE), <5 µg/L, Ethyl-t-butyl Ether (ETBE), <5 µg/L Methyl-t-butyl Ether (MTBE), <5 tert -Amyl Methyl Ether (TAME), and <20 µg/L tert-Butanol (TBA).

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 December 28, 2000 monitoring events, indicate that groundwater flow patterns beneath the site are consistent with previous monitoring events for the project.

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 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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of Regional Groundwater Contamination, San Leandro Plume, San Leandro, California*,
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**TABLE 1. FOURTH QUARTERS 2000 GROUNDWATER POTENTIOMETRIC SURFACE
ELEVATION DATA**

		DECEMBER 28, 2000	
WELL	CASING ELEVATION ¹	Depth to Groundwater	Groundwater Elevation
MW-1	49.49	24.86	24.63
MW-2	50.01	25.62	24.39
MW-3	49.32	24.87	24.45
MW-4	49.60	25.08	24.52
MW-5	49.57	Dry Well	-
MW-6	48.06	23.45	24.61
MW-8	49.35	25.14	24.21
MW-9	48.77	24.48	24.29
MW-10	49.92	25.89	24.03
MW-11	47.93	23.67	24.26
MW-1A	48.24	24.11	24.13
141 Farrelly	48.81	-	-

¹Elevations 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
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 Farrelly
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	-
3/18/00	31.92	31.87	31.82	31.85	31.94	31.86	31.66	31.46	31.26	31.38	31.25	30.86
7/18/00	26.21	26.01	26.04	-	-	26.22	25.76	25.83	25.55	25.81	25.64	-
9/26/00	25.01	24.69	24.80	-	-	24.95	24.50	24.61	24.34	24.58	24.48	24.10
12/28/00	24.63	24.39	24.45	24.52	-	24.61	24.21	24.29	24.03	24.26	24.13	-

TABLE 3. 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: December 28, 2000 Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-2	12,000	540	30	420	330
MW-3	33,000	4,700	450	2,100	6,400
MW-8	1,200	47	3.7	17	18
MW-9	22,000	100	<100	610	770
MW-10	3,900	55	13	98	38
141 Farrelly	<50	<0.5	<0.5	<0.5	<0.5
MCL/AL ²	-	1	150	700	1,750

MW-1 ?

²Maximum 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: December 28, 2000 Units: $\mu\text{g/L}$

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

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

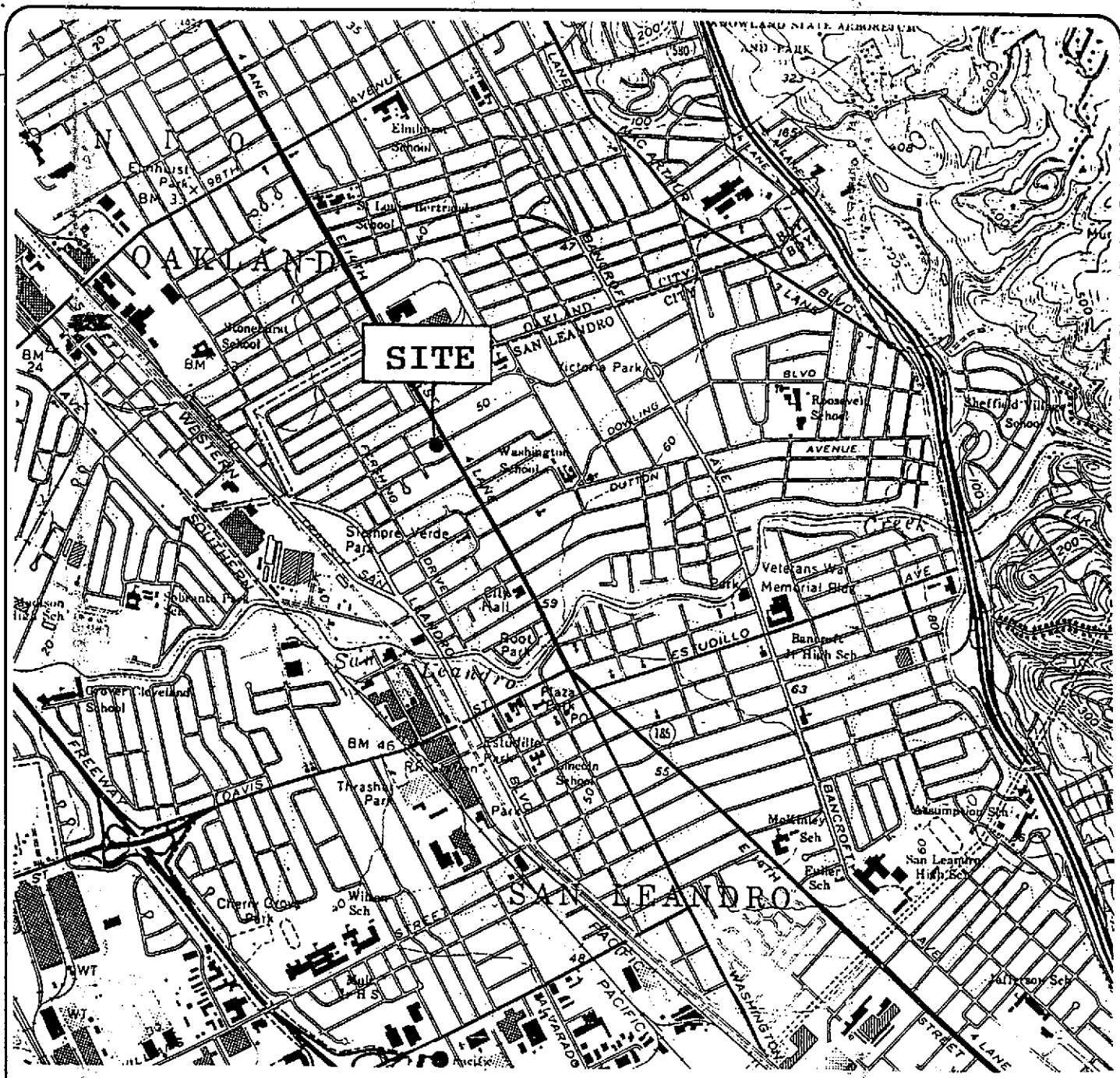
WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES
MW-1	4/25/97	180,000	6,900	20,000	2,600	13,000
	4/25/97	170,000	6,500	20,000	2,500	13,000
	7/17/97	220,000	8,300	41,000	2,700	16,000
	10/21/97	240,000	9,400	33,000	3,300	22,000
	3/10/98	120,000	11,000	46,000	3,700	21,000
	6/6/98	110,000	7,600	32,000	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
	3/18/00	120,000	5,100	33,000	4,600	24,000
	MW-2	1/6/95	980,000	9,400	5,600	19,000
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-2	6/6/98	16,000	670	1,100	510	1,200
	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
	3/18/00	11,000	790	14	520	450
	7/18/00	10,000	560	27	630	530
	9/26/00	6,800	450	7.4	290	200
	12/28/00	12,000	540	30	420	330
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-3	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
	3/18/00	21,000	3,100	550	1,400	4,100
	7/18/00	30,000	5,000	950	2,000	5,700
	9/26/00	36,000	5,300	640	2,400	9,900
	12/28/00	33,000	4,700	450	2,100	6,400
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
	3/18/00	44,000	4,500	7,500	2,200	11,000
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
	3/18/00	660	5.5	0.62	1.6	1.7
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
	3/18/00	200	1.3	<0.5	<0.5	<0.5
	9/26/00	240	1.5	<0.5	<0.5	<0.5
MW-8	12/30/98	2,200	70	0.94	26	15

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES
MW-8	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
	3/18/00	1,400	36	<0.5	12	9.3
	7/18/00	3,000	67	9.8	38	38
	9/26/00	1,200	24	3.0	24	15
	12/28/00	1,200	47	3.7	17	18
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
	3/18/00	17,000	89	46	10	600
	7/18/00	12,000	39	8.2	540	760
	9/26/00	11,000	19	<5	470	610
	12/28/00	22,000	100	<100	610	770
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
	3/18/00	3,800	180	11	220	120
	7/18/00	9,100	120	33	210	130
	9/26/00	4,500	22	8.8	1.3	18
	12/28/00	3,900	55	13	98	38

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
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
	9/30/99	94	<0.5	<0.5	<0.5	<0.5
	3/18/00	<50	<0.5	<0.5	<0.5	<0.5
	9/26/00	<50	<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
	3/8/00	6,100	36	<5	9.7	45
	9/26/00	11,000	14	<5	65	150
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
	3/18/00	<50	<0.5	<0.5	<0.5	<0.5
	7/13/00	<50	<0.5	<0.5	<0.5	<0.5
	9/26/00	<50	<0.5	<0.5	<0.5	<0.5
	12/29/00	<50	<0.5	<0.5	<0.5	<0.5



EXPLANATION:

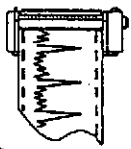
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0 1000' 2000'



Base Map Reference:

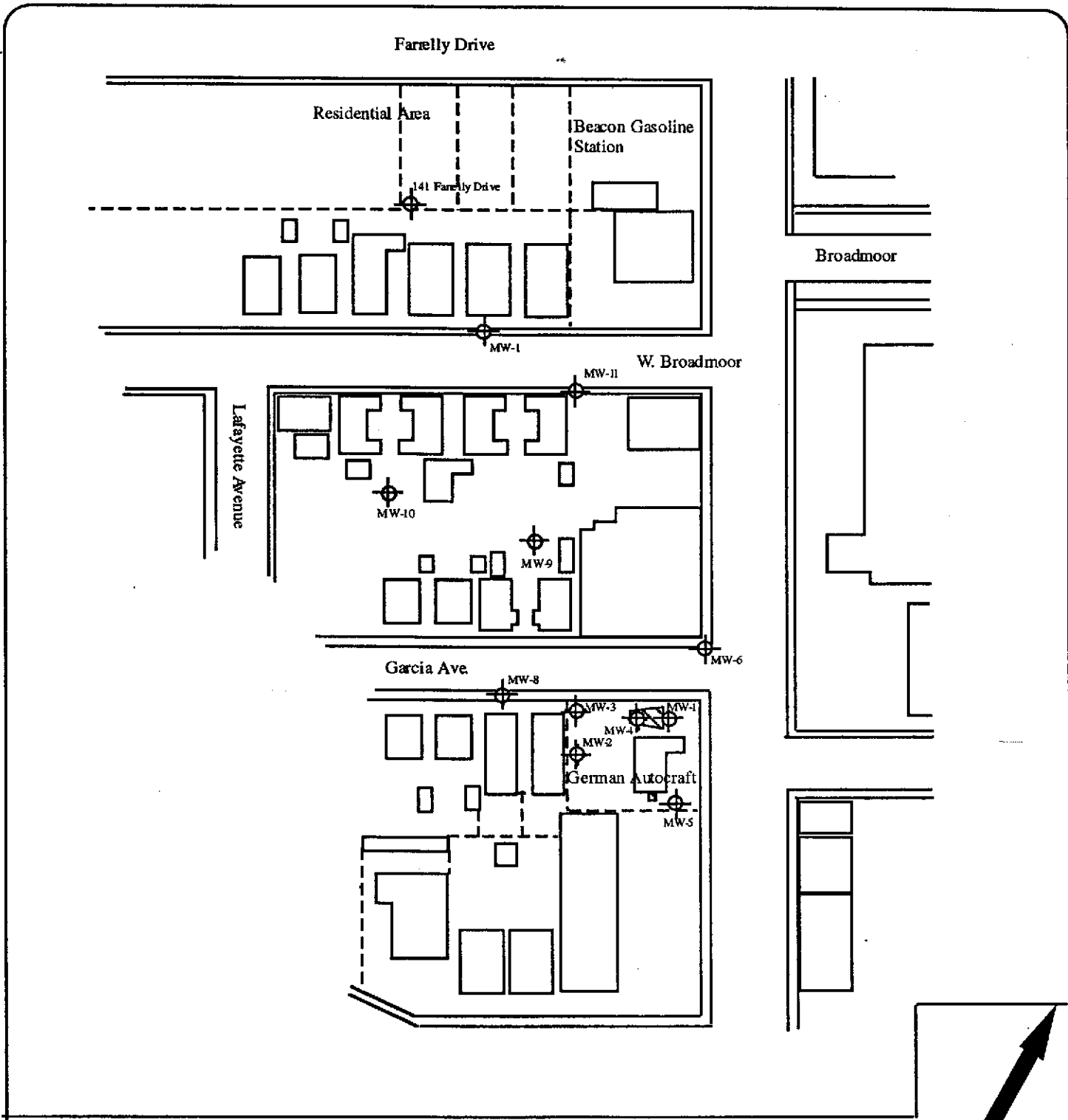
U.S.G.S. San Leandro 7.5 Minute
Topographic, Quadrangle

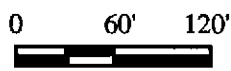
ENVIRONMENTAL TESTING & MGMT
111 N. MARKET ST. SUITE 600
SAN JOSE, CALIFORNIA 95113

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

Figure 1
Project No.
94-52
Date: 3/97



EXPLANATION:



Scale: 1"=120'

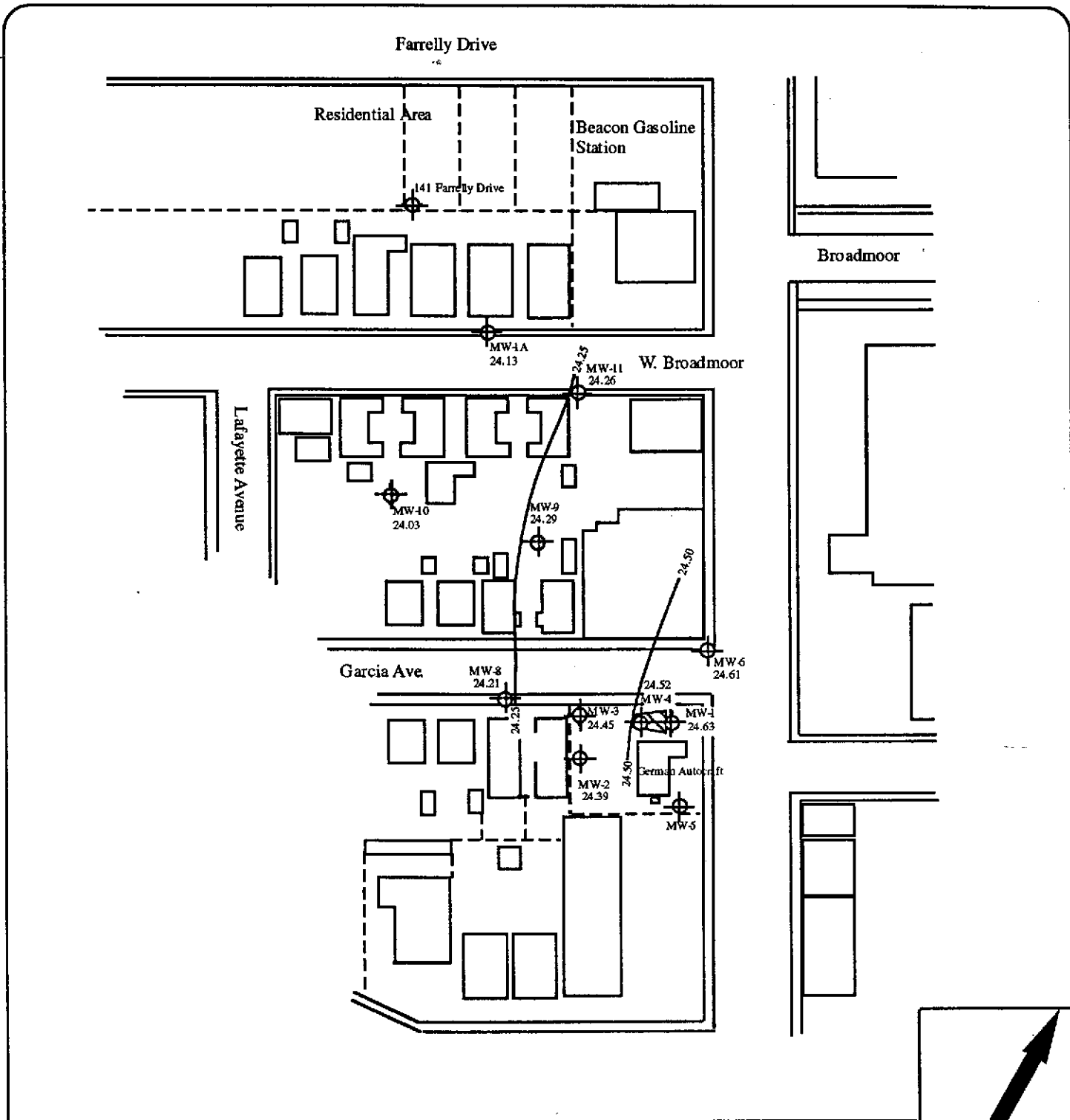
- Streets/Buildings
- ⊕ Groundwater Monitoring Well
- ▨ Former Tank Pit Areas
- Buildings



ENVIRONMENTAL TESTING & MGMT.
 111 N. MARKET STREET 6TH FLOOR
 SAN JOSE, CA 95113

German Autocraft
 301 East 14th Street
 San Leandro, California

Figure 2
 Date: 11/98

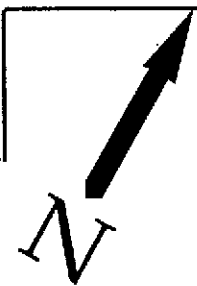


EXPLANATION:



Scale: 1"=120'

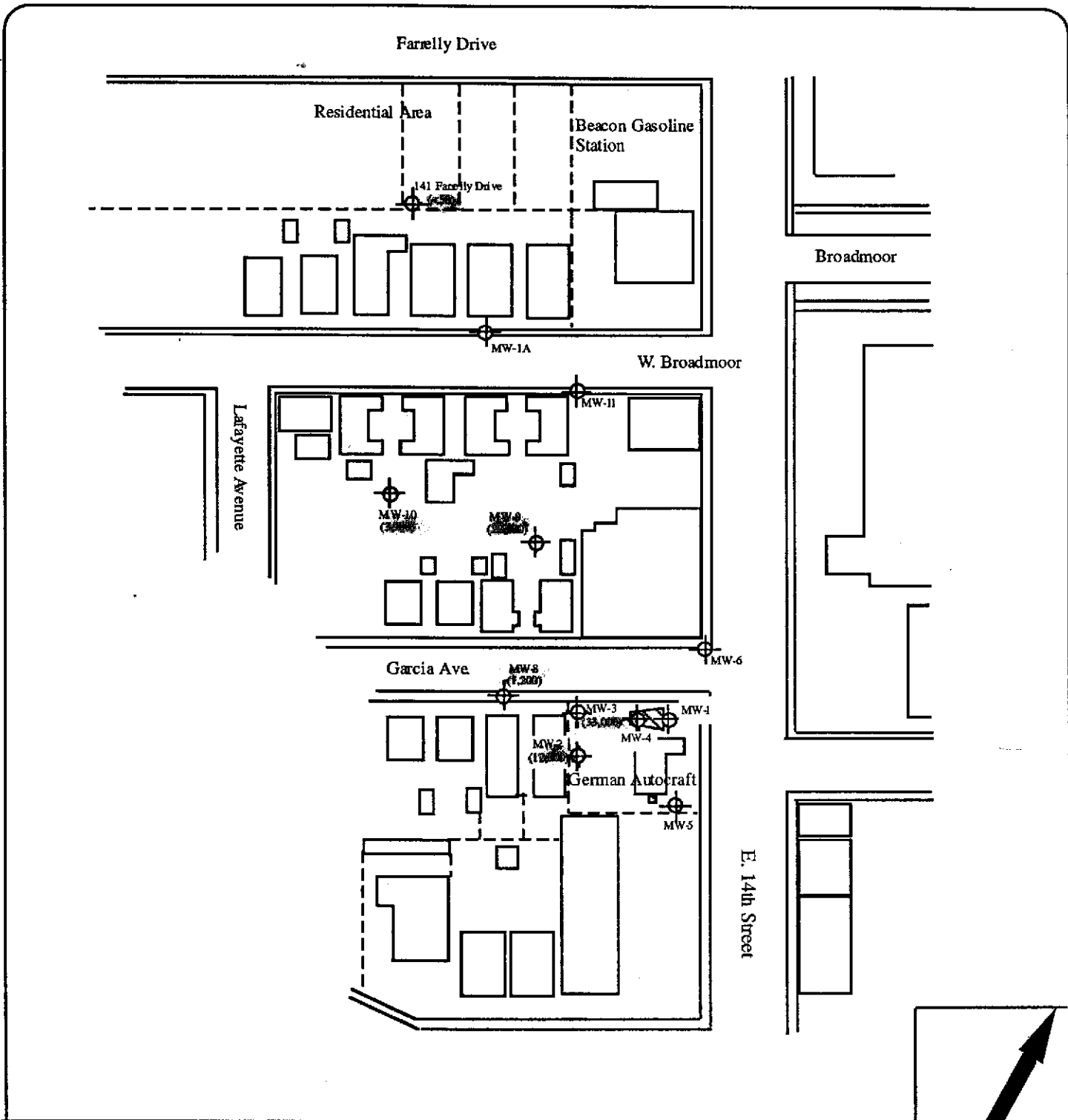
- Streets/Buildings
- Groundwater Monitoring Well
- Former Tank Pit Areas
- Buildings
- 31.75 Groundwater Potentiometric Elevation (MSL)



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

**GROUNDWATER POTENTIOMETRIC SURFACE
ELEVATION ISOCONTOUR MAP (12/28/00)**
German Autocraft
301 East 14th Street
San Leandro, California

Figure 3
Date: 3/01




EXPLANATION:



Scale: 1"=120'

- Streets/Buildings
- ⊕ Groundwater Monitoring Well
- ▨ Former Tank Pit Areas
- Buildings
- (22,000) Groundwater TPHG Concentration (ug/L)

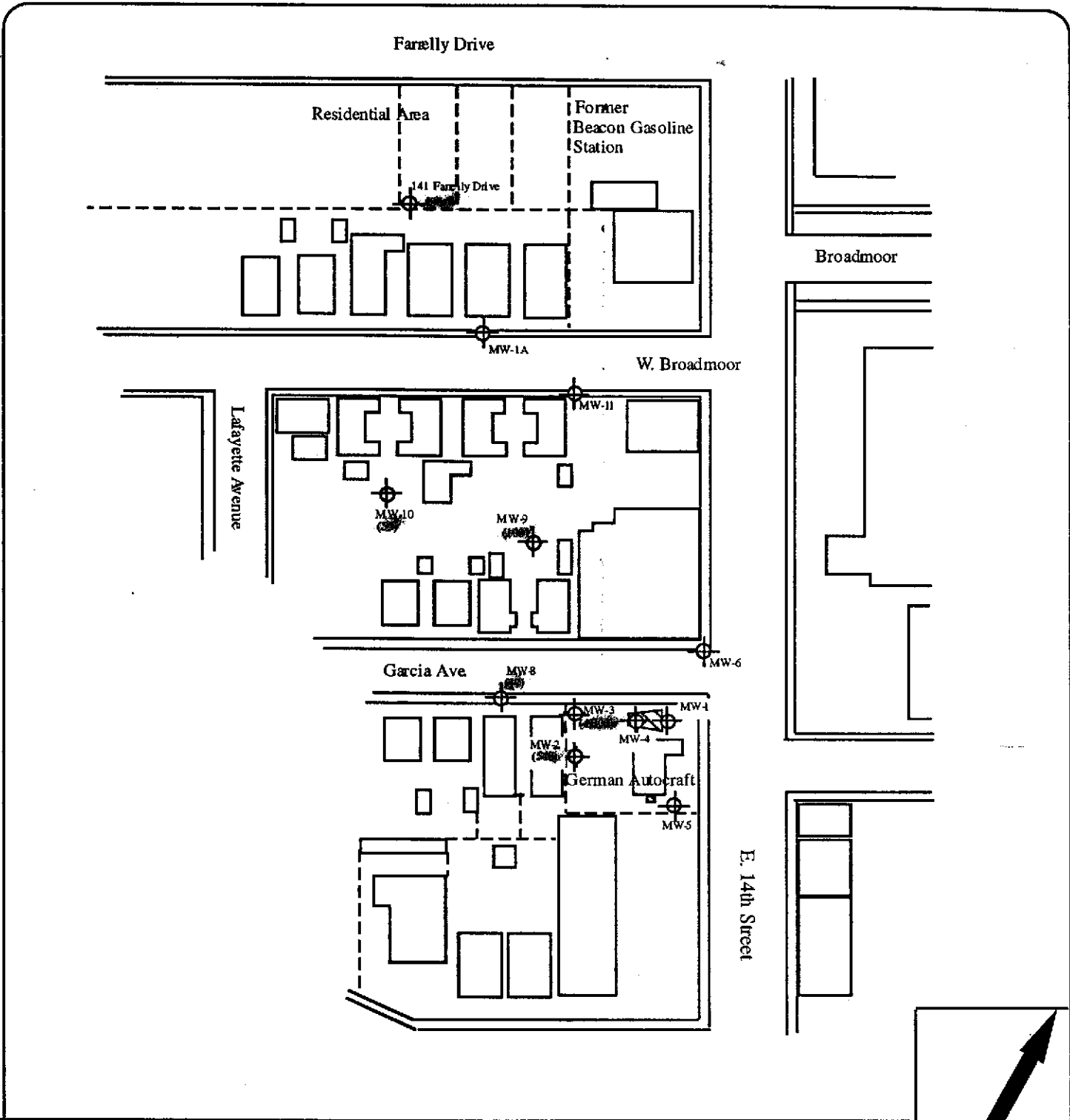



ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

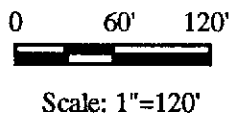
VICINITY MAP WITH GROUNDWATER TPHG
CONCENTRATIONS (12/28/00)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 4

Date: 3/00



EXPLANATION:



- Streets/Buildings
- ⊕ Groundwater Monitoring Well
- ▨ Former Tank Pit Areas
- Buildings
- (540) Groundwater Benzene Concentration (ug/L)



ENVIRONMENTAL TESTING
 1792 ROGERS AVENUE
 SAN JOSE, CA 95113
 (408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
 BENZENE CONCENTRATIONS (12/28/00)
German Autocraft
 301 East 14th Street
 San Leandro, California

Figure 5
 Date: 3/00

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.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

January 05, 2001

Tom Price
Environmental Testing
1792 Roger Avenue
San Jose, CA 95112

Order: 23813

Date Collected: 12/28/00

Project Name:

Date Received: 1/2/01

Project Number: GA

P.O. Number:

Project Notes:

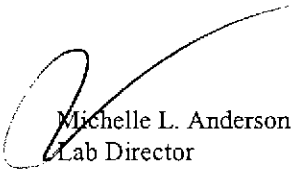
On January 02, 2001, samples were received under documented chain of custody. Results for the following analyses are attached:

<u>Matrix</u>	<u>Test</u>	<u>Method</u>
Liquid	Gas/BTEX	EPA 8015 MOD. (Purgeable) EPA 8020 EPA 8260B
	Oxygenates by EPA 8260B	EPA 8260B

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.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Environmental Testing
 1792 Roger Avenue
 San Jose, CA 95112
 Attn: Tom Price

Date: 01/05/01
 Date Received: 1/2/01
 Project Name:
 Project Number: GA
 P.O. Number:
 Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-001

Client Sample ID: MW-2

Sample Time:

Sample Date: 12/29/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	540		50	0.5	25	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	30		50	0.5	25	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	420		50	0.5	25	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	330		50	0.5	25	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		97		65 - 135			

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	12000		50	50	2500	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		95		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.

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-002

Client Sample ID: MW-3

Sample Time:

Sample Date: 12/29/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	4700		100	0.5	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	450		100	0.5	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	2100		100	0.5	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	6400		100	0.5	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		99		65 - 135			

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	33000		100	50	5000	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		102		65 - 135			

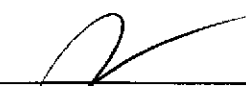
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-003

Client Sample ID: MW-8

Sample Time:

Sample Date: 12/28/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	47		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	3.7		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	17		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	18		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		69		65 - 135			

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1200		1	50	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		50		65 - 135			

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

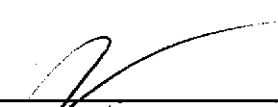
DF = Dilution Factor

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

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Entech Analytical Labs, Inc.

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-004

Client Sample ID: MW-9

Sample Time:

Sample Date: 12/28/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	100		200	0.5	100	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	ND		200	0.5	100	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	610		200	0.5	100	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	770		200	0.5	100	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		101		65 - 135			

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	22000		200	50	10000	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)
			Surrogate		Surrogate Recovery		Control Limits (%)			
			aaa-Trifluorotoluene		106		65 - 135			

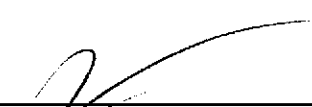
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813 Lab Sample ID: 23813-005 Client Sample ID: MW-10
Sample Time: Sample Date: 12/28/00 Matrix: Liquid

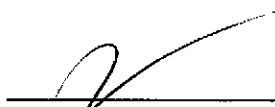
Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	55		10	0.5	5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	13		10	0.5	5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	98		10	0.5	5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	38		10	0.5	5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020

Surrogate Surrogate Recovery Control Limits (%)
aaa-Trifluorotoluene 87 65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	3900		10	50	500	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)

Surrogate Surrogate Recovery Control Limits (%)
aaa-Trifluorotoluene 71 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

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Entech Analytical Labs, Inc.

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-006

Client Sample ID: 141 Farely

Sample Time:

Sample Date: 12/29/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	ND		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	1/3/01	WGC4010102	EPA 8020
			Surrogate			Surrogate Recovery			Control Limits (%)	
			aaa-Trifluorotoluene			99			65 - 135	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	ND		1	50	50	µg/L	N/A	1/3/01	WGC4010102	EPA 8015 MOD. (Purgeable)
			Surrogate			Surrogate Recovery			Control Limits (%)	
			aaa-Trifluorotoluene			108			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.

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Environmental Testing
1792 Roger Avenue
San Jose, CA 95112
Attn: Tom Price

Date: 01/05/01
Date Received: 1/2/01
Project Name:
Project Number: GA
P.O. Number:
Sampled By: Client

Certified Analytical Report

Order ID: 23813

Lab Sample ID: 23813-006

Client Sample ID: 141 Farelly

Sample Time:

Sample Date: 12/29/00

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Analysis Date	QC Batch ID	Method
Diisopropyl Ether	ND		1	5	5	µg/L	1/3/01	WMS1001229	EPA 8260B
Ethyl-t-butyl Ether	ND		1	5	5	µg/L	1/3/01	WMS1001229	EPA 8260B
Methyl-t-butyl Ether	ND		1	5	5	µg/L	1/3/01	WMS1001229	EPA 8260B
tert-Amyl Methyl Ether	ND		1	5	5	µg/L	1/3/01	WMS1001229	EPA 8260B
tert-Butanol	ND		1	20	20	µg/L	1/3/01	WMS1001229	EPA 8260B

Surrogate

Surrogate Recovery

Control Limits (%)

4-Bromofluorobenzene	95	65 - 135
Dibromofluoromethane	93	65 - 135
Toluene-d8	96	65 - 135

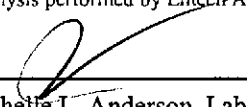
DF = Dilution Factor

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.

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Quality Control Results Summary

QC Batch #: WGC4010102
Matrix: Liquid

Units: µg/L
Date Analyzed: 1/2/01

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		469		440.7	LCS	94.0			75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			103			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		5.2		5.12	LCS	98.5			75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		5.6		5.17	LCS	92.3			75.0 - 125.0
Toluene	EPA 8020	ND		29		27.2	LCS	93.8			75.0 - 125.0
Xylenes, total	EPA 8020	ND		32		29.2	LCS	91.3			75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			91			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		50		39.2	LCS	78.4			65.0 - 135.0
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		469		433.7	LCSD	92.5	1.60	25.00	75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			106			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		5.2		5.36	LCSD	103.1	4.58	25.00	75.0 - 125.0
Ethyl Benzene	EPA 8020	ND		5.6		5.88	LCSD	105.0	12.85	25.00	75.0 - 125.0
Toluene	EPA 8020	ND		29		28.5	LCSD	98.3	4.67	25.00	75.0 - 125.0
Xylenes, total	EPA 8020	ND		32		31.4	LCSD	98.1	7.26	25.00	75.0 - 125.0
Surrogate			Surrogate Recovery			Control Limits (%)					
aaa-Trifluorotoluene			106			65 - 135					
Test: MTBE by EPA 8020											
Methyl-t-butyl Ether	EPA 8020	ND		50		32.9	LCSD	65.8	17.48	25.00	65.0 - 135.0

Entech Analytical Labs, Inc.

3334 Victor Court • Santa Clara, CA 95054 • (408) 588-0200 • Fax (408) 588-0201

Quality Control Results Summary

QC Batch #: WMS1001229
 Matrix: Liquid

Units: µg/L
 Date Analyzed: 12/29/00

Parameter	Method	Method Blank	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
Test: EPA 8010 by EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		36.5	LCS	91.3			65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		40		35.3	LCS	88.3			65.0 - 135.0
Trichloroethene	EPA 8260B	ND		40		35.8	LCS	89.5			65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97	65 - 135
Dibromofluoromethane	103	65 - 135
Toluene-d8	105	65 - 135

Test: EPA 8010 by EPA 8260B											
1,1-Dichloroethene	EPA 8260B	ND		40		38.4	LCSD	96.0	5.07	25.00	65.0 - 135.0
Chlorobenzene	EPA 8260B	ND		40		35.8	LCSD	89.5	1.41	25.00	65.0 - 135.0
Trichloroethene	EPA 8260B	ND		40		37.1	LCSD	92.8	3.57	25.00	65.0 - 135.0

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98	65 - 135
Dibromofluoromethane	104	65 - 135
Toluene-d8	105	65 - 135

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: Environmental Testing
 Address: 1792 Rogers Ave
Sunnyvale CA 95112
 Contact: Tom Price
 Telephone #: (408) 453-1800
 Date Received: _____
 Turn Around: _____

Project ID: GA

Purchase Order #: _____

Sampler/Company:	Telephone #:
Special Instructions/Comments	

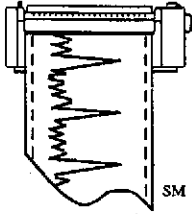
LAB USE ONLY

Samples arrived chilled and intact:

Yes No

Notes: _____ 01 JAN 2 15:27

Sample Information								Requested Analysis							
Lab #	Sample ID	Grab/Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH	BTEX	MTBE + oxygenates					
23813															
001	MW-2	G	W	12/29/00	—	Naz 2/3/01 HC	VOAS	✓							
002	MW-3	↓	↓	12/29/00	—	↓	↓	✓							
003	MW-8	↓	↓	12/28/00	—	↓	↓	✓							
004	MW-9	↓	↓	12/28/00	—	↓	↓	✓							
005	MW-10	↓	↓	12/28/00	—	↓	↓	✓							
006	141 Farrelly	↓	↓	12/29/00	—	↓	↓	✓	✓						
Relinq. By: <u>[Signature]</u>						Received By: <u>[Signature]</u>		Date: <u>1/2/01</u>		Time: <u>1527</u>					
Relinq. By:						Received By:		Date:		Time:					
Relinq. By:						Received By:		Date:		Time:					



ENVIRONMENTAL TESTING

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

Date: 12/28/00

Project Name: GA

Project No.: _____

Well No./Description: MW-2

Depth of Well: 33.4

1 Well Volume: _____

Depth to Water: 25.62

4 Well Volumes: _____

Casing Diameter: X 2" 4"

Actual Volume Purged: _____

Calculations:

2" - * 0.1632

4" - * 0.653

Purge Method: Bailer Displacement Pump Impinger/Vacuum

Sample Method: Bailer Other Specify: _____

Sheen: No Yes, Describe heavy rainbow

Odor: No Yes, Describe strong HC

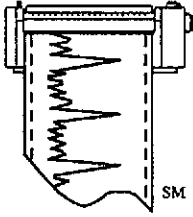
Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>400</u>	<u>2</u>	<u>7.2</u>	<u>63</u>	<u>1.2E3</u>	<u>gray</u>
<u>405</u>	<u>4</u>	<u>6.8</u>	<u>62</u>	<u>0.9E3</u>	<u> </u>
<u>410</u>	<u>6</u>	<u>7.0</u>	<u>61</u>	<u>0.9E3</u>	<u> </u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks:

PO = 1.2 mg/L

Sampler: _____



ENVIRONMENTAL TESTING

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

Date: 12/28/00 Project Name: GA

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

Depth of Well: 34.96 1 Well Volume: _____

Depth to Water: 24.87 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: Bailer Other Specify: _____

Sheen: No Yes, Describe _____

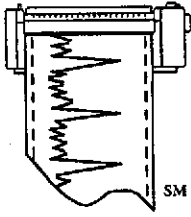
Odor: No Yes, Describe HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>415</u>	<u>2.0</u>	<u>6.8</u>	<u>55</u>	<u>0.7E3</u>	<u>gray</u>
<u>420</u>	<u>4.0</u>	<u>6.8</u>	<u>57</u>	<u>0.8E3</u>	<u>1</u>
<u>425</u>	<u>6.0</u>	<u>6.8</u>	<u>58</u>	<u>0.9E3</u>	<u>1</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: DO 1.9 mg/L

Sampler: _____



ENVIRONMENTAL TESTING

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

Date: 12/28/00

Project Name: GA

Project No.: _____

Well No./Description: MW-8

Depth of Well: 29.55

1 Well Volume: _____

Depth to Water: 25.14

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: Bailer Other Specify: _____

Sheen: No Yes, Describe _____

Odor: No Yes, Describe H₂S mild.

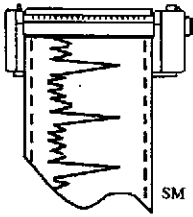
Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>442</u>	<u>1.5</u>	<u>6.7</u>	<u>57</u>	<u>0.7E3</u>	<u>gray.</u>
<u>447</u>	<u>3.0</u>	<u>6.0</u>	<u>60</u>	<u>0.55E3</u>	<u>4</u>
<u>455</u>	<u>4.5</u>	<u>6.5</u>	<u>61</u>	<u>0.7E3</u>	<u>4</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: _____

DO = 1.3 mg/L

Sampler: _____



ENVIRONMENTAL TESTING

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

J

Date: 12/28/00

Project Name: GA.

Project No.: _____

Well No./Description: MW-9.

Depth of Well: 33.4

1 Well Volume: _____

Depth to Water: 24.48

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: Bailer Other Specify: _____

Sheen: No Yes, Describe heavy rainbow

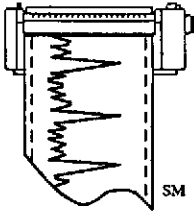
Odor: No Yes, Describe Strong HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>420</u>	<u>1.5</u>	<u>6.9</u>	<u>57</u>	<u>0.9E3</u>	<u>dk gray</u>
<u>425</u>	<u>3.0</u>	<u>6.7</u>	<u>60</u>	<u>0.9E3</u>	<u>"</u>
<u>430</u>	<u>4.5</u>	<u>6.9</u>	<u>60</u>	<u>0.9E3</u>	<u>"</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: _____

Sampler: _____



ENVIRONMENTAL TESTING

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

Date: 10/28/00

Project Name: GIA

Project No.: _____

Well No./Description: MW-10

Depth of Well: 38.38

1 Well Volume: _____

Depth to Water: 25.89

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: Bailer Other Specify: _____

Sheen: No Yes, Describe _____

Odor: No Yes, Describe strong HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>3:45</u>	<u>2.0</u>	<u>7.1</u>	<u>64</u>	<u>0.7E3</u>	<u>gray</u>
<u>4:00</u>	<u>5.0</u>	<u>6.7</u>	<u>60</u>	<u>0.7E3</u>	<u>gray</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: DO = 2.2 mg/L
1.5 mg/L

Sampler: _____

APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The quality assurance/quality control measures used for groundwater sampling conducted on 12/28/00 included the following:

- Groundwater samples were collected in duplicate 40 milliliter vials.

CITY OF SAN LEANDRO

APPLICATION TO PERFORM WORK IN THE PUBLIC RIGHT-OF-WAY

00682

Service No. _____

Permit Number 12-78-03
Date Approved

Work Site: W Broadmoor and W. Garcia
Applicant: Name Environmental Testing Address 1792 Pigeon Ave San Jose CA Tel. (415) 453-1800
Owner: Name Mr. Lee Address 301 E 14th Street San Leandro Tel. (510) 438-5473

Purpose of Permit:
 Utility Street Excavation Curb, Gutter Sidewalk, Driveway Other Environmental

Detailed Description and Dimensions of Work: Open 4 well boxes for measurement of groundwater depth/collect samples.

Plan Submitted: Yes No Profile Submitted: Yes No
Date Work to be Started: 12/28/09/25/00 Date Work to be Completed by: 1/15/10
Building Permit No. _____ State Encroachment Permit No. _____
Oro Loma Permit No. _____ Alameda County Flood Control Permit No. _____

Compliance with State Labor Code: In accordance with Section 3800
 Applicant has on file, with the City of San Leandro, evidence that workman's compensation insurance is carried.
 Applicant will not employ anyone so as to become subject to the workman's compensation laws of California.
Statement of State Contractor's License: In accordance with Section 7031.5 of the State Business and Professions Code.
 Applicant has State License No. 716602, Class A in full force and effect.
 Applicant is exempt from the State Contractor's License Law for the following reason(s):

RECEIVED
CITY OF SAN LEANDRO
DEC 28 2009
ENG 97/10/15

By the application and acceptance of this permit, the undersigned intending to be legally bound does hereby agree that all work performed will be in accordance with all applicable provisions of this permit and all regulations, provisions, and specifications as adopted by the City. Further, the undersigned agrees that this permit is to serve as a guaranty for payment of all permit and/or inspection charges as billed by the City. Any misrepresentation of information requested from the applicant on this form shall make this permit null and void.

Signature: Jan Garcia Date: 12/28/09

PLEASE CALL 577-3308 FOR INSPECTIONS

Danny Gutierrez

SPECIAL PROVISIONS

Backfill Required PER CITY STD DETAILS
Pavement Section Required AND SPECS.
Minimum Depth of Cover AND SPECS.
Police & Fire Dept. to be notified 24 hours prior to start: YES NO
*\$500 - DEPOSIT WILL RETURN AFTER THE CITY ENVIRONMENTAL DEPT. RECEIVES THE REPORT.

SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK

PERMIT IS VALID WHEN SIGNED

Any omission on the part of the City to specify on this permit any rule, regulation, provision, or specification shall not excuse the permittee from complying with all requirements of law and appropriate ordinances and all applicable regulations, provisions, and specifications adopted by the City.

ISSUED FOR CITY ENGINEER

Jim Lo

INSPECTION RECORD

Date	Comments	Insp.	Hrs. Charged

FEES

PERMIT FEE: 100 To Acct. #3306
RESTORE/INSPECT DEPOSIT: 500 To CN # _____
STREET CUT FEE: _____ TO ACCT #3304
TOTAL: 600

All charges collected at permit insurance
 All charges to be billed to CN # _____

NOTE: 1 hr. Minimum charge per inspection stop
Hours forwarded from reverse side: _____
TOTAL HOURS CHARGED: _____

APPENDIX F: 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