

SECOND AND THIRD QUARTERS 2001  
QUARTERLY GROUNDWATER MONITORING PROGRAM

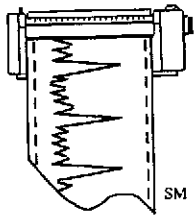
GERMAN AUTOCRAFT  
301 E. 14TH STREET, SAN LEANDRO, CALIFORNIA

Prepared For:

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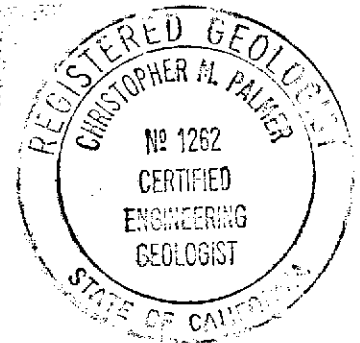
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## TABLE OF CONTENTS

I. INTRODUCTION .....	2
II. BACKGROUND .....	3
III. WORK PERFORMED DURING CURRENT PERIOD .....	3
IV. GROUNDWATER ELEVATION AND GRADIENT .....	3
V. GROUNDWATER SAMPLING AND ANALYTICAL RESULTS .....	4
VI. DISCUSSION AND CONCLUSIONS .....	4
VII. LIMITATIONS .....	6
VIII. REFERENCES .....	7
TABLE 1. CURRENT GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA .....	10
TABLE 2. HISTORIC GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA .....	11
TABLE 3a. GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020) .....	12
TABLE 3b. GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020) .....	13
TABLE 4. HISTORIC GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020) .....	14
FIGURE 1: LOCATION MAP .....	21
FIGURE 2: SITE MAP .....	22
FIGURE 3: VICINITY MAP WITH GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION CONTOUR MAP (10/5/01) .....	23
FIGURE 4: VICINITY MAP WITH GROUNDWATER TOTAL PETROLEUM HYDROCARBON CONCENTRATIONS (10/5/01) .....	24
FIGURE 5: VICINITY MAP WITH GROUNDWATER BENZENE CONCENTRATIONS (10/5/01) .....	25
APPENDIX A: FIELD SAMPLING AND GAUGING PROCEDURES .....	26
APPENDIX B: LABORATORY REPORTS AND CHAINS-OF-CUSTODY FORMS .....	27
APPENDIX C: FIELD DATA SHEETS/GROUNDWATER SAMPLING .....	28
APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM .....	29
APPENDIX E: CITY OF SAN LEANDRO ENCROACHMENT PERMITS .....	30
APPENDIX F: REPORT DISTRIBUTION LIST .....	31

## I. INTRODUCTION

Environmental Testing (ET) has continued the quarterly groundwater monitoring program during the first week of October 2001 and calendar second and third quarters 2001 and the 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 involves sampling and testing selected monitoring wells and one (1) private well located at the Ramirez residence at 141 Farrelly Drive. The current schedule of the monitoring program is as follows:

Quarterly:	MW-12, MW-13, and MW-14
Semi-Annual:	MW-1A, MW-8, MW-9, MW-10, 141 Farrelly Drive
Annual:	MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-11

## **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 CURRENT PERIOD**

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:

- **June 29, 2001** - ET collected groundwater samples according to the scheduled monitoring program.
- **October 5, 2001** - ET collected groundwater samples according to the scheduled monitoring program and measured groundwater elevations at wells.

## **IV. GROUNDWATER ELEVATION AND GRADIENT**

Static groundwater level elevation data collected on October 5, 2001 indicated that over the area studied, the elevation of the shallow groundwater surface ranged from 22.91 - 23.82 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 are consistent with previous observations.

#### **V. GROUNDWATER SAMPLING AND ANALYTICAL RESULTS**

On June 29 and October 5, 2001, groundwater samples were collected from monitoring wells 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**. 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 4**. City of San Leandro encroachment permits are 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) (see test results **Table 3**).

#### **VI. DISCUSSION AND CONCLUSIONS**

During the 10/5/01 monitoring event, MW-12 could not be sampled because a car was parked on top of the well in the street. Sampling activities will resume during future monitoring event according to the monitoring schedule (see page 1).

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 current gauging 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 ET 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

California Code of Regulations, Title 22, 66260.21, "Environmental Health Standards", 6/23/95.

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**TABLE 1. CURRENT GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA**

OCTOBER 5, 2001			
WELL	CASING ELEVATION <sup>1</sup>	Depth to Groundwater	Groundwater Elevation
MW-1	49.40	25.58	23.82
MW-2	50.02	26.38	23.64
MW-3	49.32	25.62	23.70
MW-4	49.61	25.84	23.77
MW-5	49.63	Dry Well	-
MW-6	48.04	24.22	23.82
MW-8	49.34	25.87	23.47
MW-9	48.77	25.23	23.54
MW-10	49.93	26.60	23.33
MW-11	47.93	24.41	23.52
MW-12	48.46	25.25	23.21
MW-13	49.51	26.60	22.91
MW-14	49.54	26.26	23.28
MW-1A	48.23	24.85	23.38
141 Farrelly	48.76	-	-

<sup>1</sup>Elevations 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 Faralley
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	-
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	-
3/30/01	27.47	27.31	27.39	27.40	-	27.41	27.14	27.12	26.79	27.03	27.02	26.51
10/5/01	23.82	23.64	23.70	23.77	-	23.82	23.47	23.54	23.33	23.52	23.38	-

DATE	MW-12	MW-13	MW-14
3/30/01	26.71	26.41	27.01
10/5/01	23.21	22.91	23.28

**TABLE 3a. GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020)**

Locations: MW-12, MW-13, MW-14

Date Sampled: June 29, 2001      Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-12	4,200	26	25	19	29
MW-13	<50	<0.5	<0.5	<0.5	<0.5
MW-14	660	<0.5	<0.5	<0.5	4.6
MCL/AL <sup>2</sup>	-	1	150	700	1,750

<sup>2</sup>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. GROUNDWATER CHEMICAL TEST RESULTS (EPA METHOD 8015/8020)**

Locations: MW-8, MW-9, MW-10, MW-13, MW-14, MW-1A

Date Sampled: October 5, 2001      Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-8	1,800	28	<2.5	20	23
MW-9	77,000	<100	110	780	850
MW-10	5,200	70	28	41	30
MW-13	<50	<0.5	<0.5	<0.5	<0.5
MW-14	770	1.7	1.5	0.91	8.3
MW-1A	15,000	76	41	36	140
MCL/AL <sup>3</sup>	-	1	150	700	1,750

<sup>3</sup>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. 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-12, MW-13, MW-14, 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
	3/20/01	120,000	3,600	41,000	4,700	25,000
	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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES
MW-2	3/10/98	19,000	730	44	820	1,000
	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
	3/20/01	3,500	230	<10	<10	<10
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

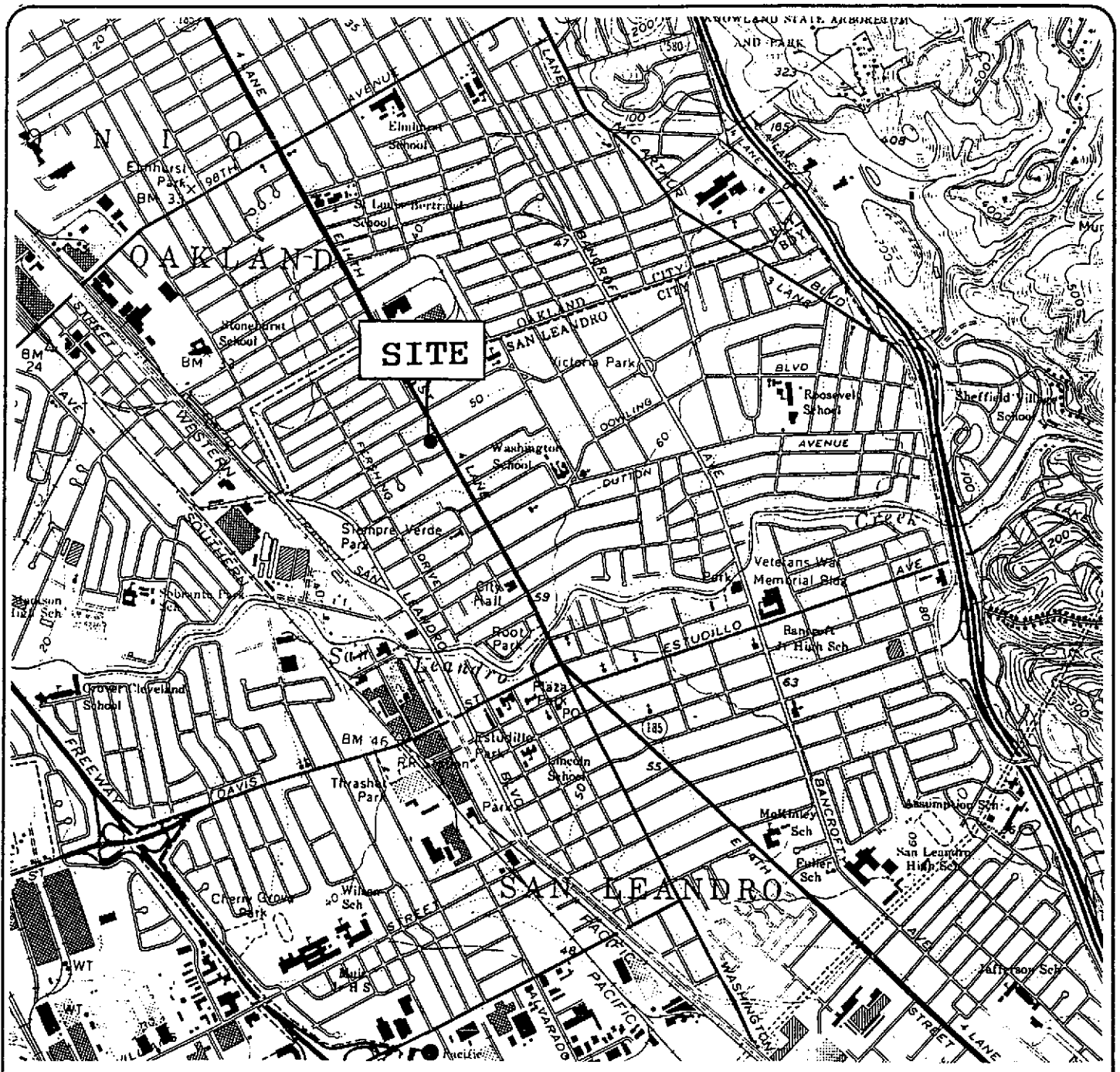
WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-3	10/21/97	58,000	4,300	1,300	2,100	8,000
	3/10/98	25,000	3,000	1,300	1,100	3,700
	6/6/98	52,000	4,400	1,900	2,300	6,900
	9/30/98	42,000	4,300	1,400	1,800	6,600
	12/30/98	34,000	4,200	770	2,300	9,000
	3/23/99	44,000	3,500	1000	1,700	5,200
	9/29/99	39,000	6,000	840	2,400	8,100
	12/29/99	39,000	4,600	790	2,400	8,100
	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
	3/20/01	21,000	2,000	260	570	3,000
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
	3/20/01	10,000	700	620	<10	1,900
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-6	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
	3/20/01	160	<0.5	<0.5	<0.5	<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
	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
	3/20/01	1,300	7.8	<2.5	<2.5	14
	10/5/01	1,800	28	<2.5	20	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
	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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES
MW-9	3/20/01	8,200	40	<10	14	210
	10/5/01	77,000	<100	110	780	850
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
	3/20/01	4,500	48	6.0	<5	23
	10/5/01	5,200	70	28	41	30
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
	3/20/01	<50	<0.5	<0.5	<0.5	<0.5
MW-12	3/20/01	4,100	28	6.2	<5	16
	6/29/01	4,200	26	25	19	29
MW-13	3/20/01	<50	<0.5	<0.5	<0.5	<0.5
	6/29/01	<50	<0.5	<0.5	<0.5	<0.5
	10/5/01	<50	<0.5	<0.5	<0.5	<0.5

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES
MW-14	3/20/01	200	<0.5	<0.5	<0.5	<0.5
	6/29/01	660	<0.5	<0.5	<0.5	4.6
	10/5/01	770	1.7	1.5	0.91	8.3
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
	3/20/01	4,800	30	6.0	<5	7.0
	10/5/01	15,000	76	41	36	140
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





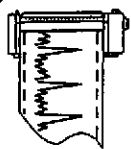
**EXPLANATION:**

Scale: 1"=2000'  
 0 1000' 2000'



Base Map Reference:

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

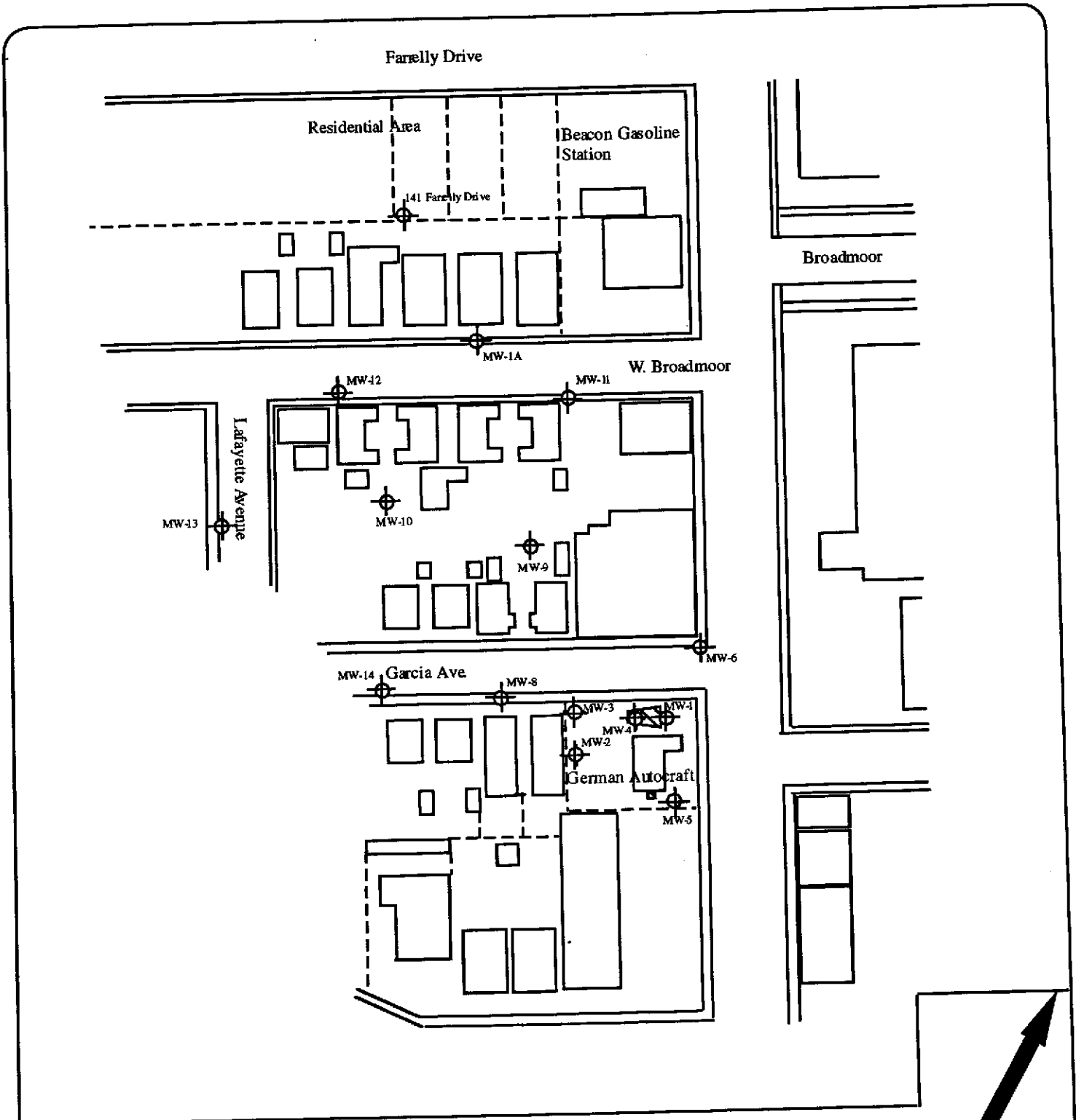


**ENVIRONMENTAL TESTING & MGMT**  
 111 N. MARKET ST. SUITE 600  
 SAN JOSE, CALIFORNIA 95113

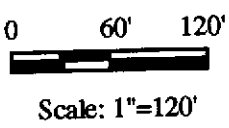
**LOCATION MAP**  
 German Autocraft  
 301 East 14th Street  
 San Leandro, California

Figure 1

Project No.  
 94-52  
 Date: 3/97




**EXPLANATION:**



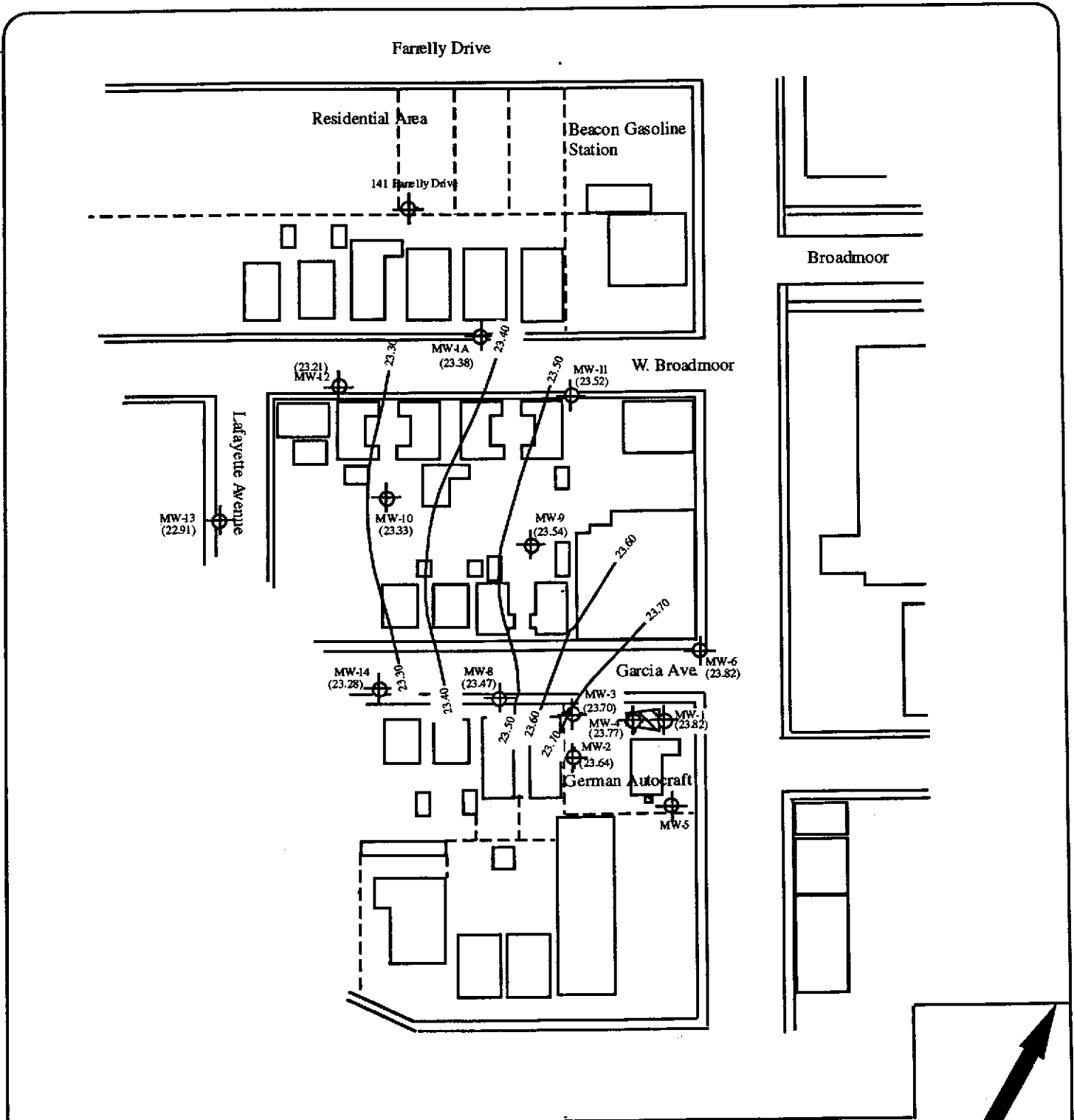
- Streets/Buildings
- ⊕ Groundwater Monitoring Well
- ▨ Former Tank Pit Areas
- Buildings




**ENVIRONMENTAL TESTING**  
 1792 ROGERS AVENUE  
 SAN JOSE, CA 95112

German Autocraft  
 301 East 14th Street  
 San Leandro, California

Figure 2  
 Date: 3/01



**EXPLANATION:**



Scale: 1"=120'

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

23.20 Potentiometric Groundwater Elevation Feet Above Mean Sea Level

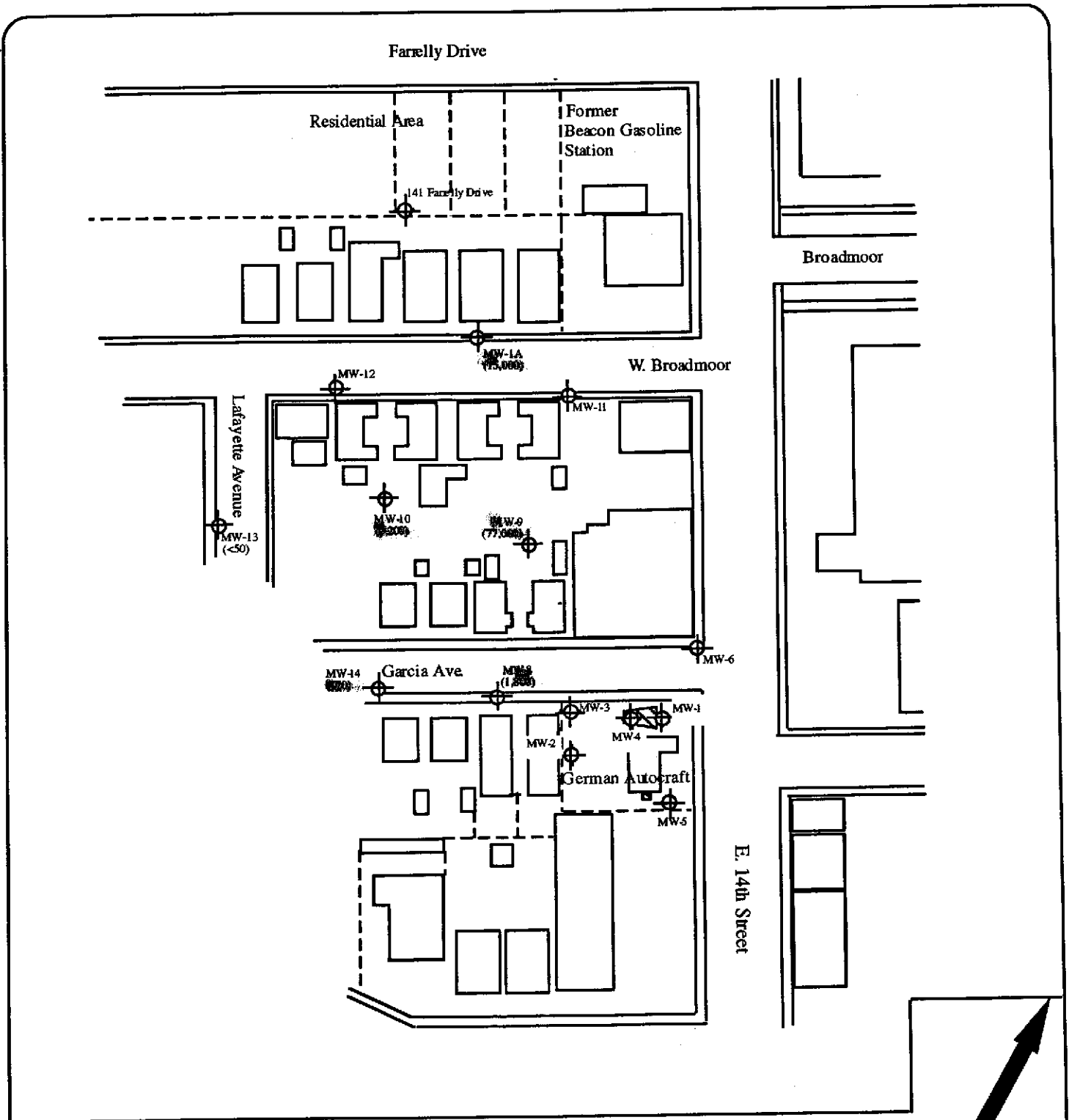
Note: The elevation contour sequence of elevation intervals may be irregular.



ENVIRONMENTAL TESTING  
1792 ROGERS AVENUE  
SAN JOSE, CA 95112

Groundwater Potentiometric Elevation Map (10/5/01)  
German Autocraft  
301 East 14th Street  
San Leandro, California

Figure 3  
Date: 11/01



**EXPLANATION:**



Scale: 1"=120'

— Streets/Buildings



Groundwater Monitoring Well



Former Tank Pit Areas



Buildings

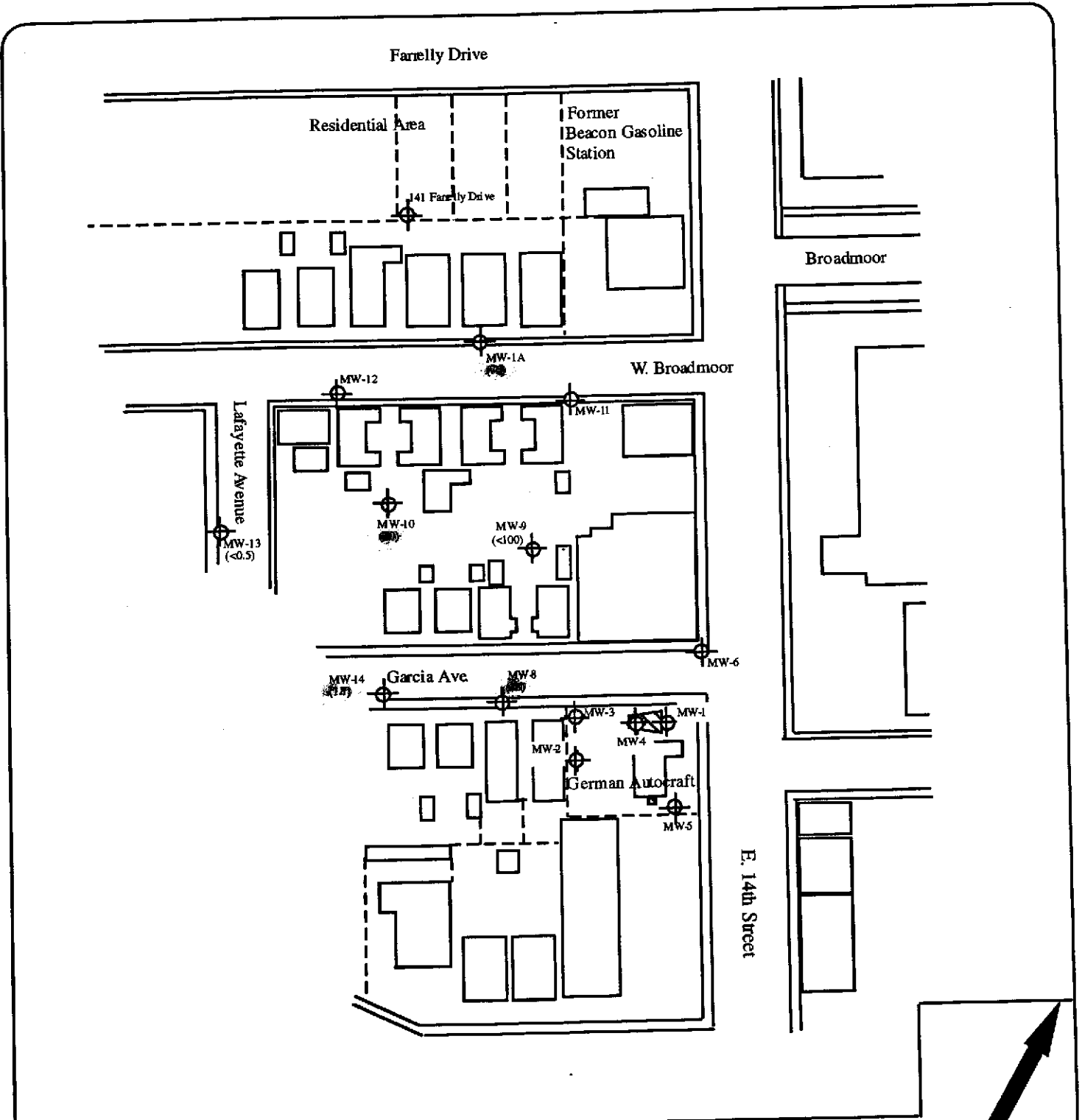
(1,800) Groundwater TPHg Concentration (ug/L)



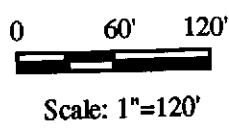
ENVIRONMENTAL TESTING  
1792 ROGERS AVENUE  
SAN JOSE, CA 95112  
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER  
TPHg CONCENTRATIONS (10/5/01)  
German Autocraft  
301 East 14th Street  
San Leandro, California

Figure 4  
Date: 11/01



**EXPLANATION:**



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



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

VICINITY MAP WITH GROUNDWATER  
 BENZENE CONCENTRATIONS (10/5/01)  
 German Autocraft  
 301 East 14th Street  
 San Leandro, California

Figure 5  
 Date: 11/01

## 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 foot. 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

July 06, 2001

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

**Order:** 26122

**Date Collected:** 6/29/01

**Project Name:** GA

**Date Received:** 6/29/01

**Project Number:**

**P.O. Number:** GA

**Project Notes:**

On June 29, 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

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 408-588-0200.

Sincerely,



Michelle L. Anderson  
Laboratory Director

# Entech Analytical Labs, Inc.

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

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

Date: 7/6/01  
Date Received: 6/29/01  
Project Name: GA  
Project Number:  
P.O. Number: GA  
Sampled By: Scott Beveridge

## Certified Analytical Report

Order ID: 26122

Lab Sample ID: 26122-001

Client Sample ID: MW-12

Sample Time:

Sample Date: 6/29/01

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	26		10	0.5	5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Toluene	25		10	0.5	5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Ethyl Benzene	19		10	0.5	5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Xylenes, Total	29		10	0.5	5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Surrogate							Surrogate Recovery		Control Limits (%)	
aaa-Trifluorotoluene							96		65 - 135	

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	4200		10	50	500	µg/L	N/A	7/3/01	WGC42078	EPA 8015 MOD. (Purgeable)
Surrogate							Surrogate Recovery		Control Limits (%)	
aaa-Trifluorotoluene							97		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 & Management  
1792 Rogers Avenue  
San Jose, CA 95112  
Attn: Tom Price

Date: 7/6/01  
Date Received: 6/29/01  
Project Name: GA  
Project Number:  
P.O. Number: GA  
Sampled By: Scott Beveridge

## Certified Analytical Report

Order ID: 26122

Lab Sample ID: 26122-002

Client Sample ID: MW-13

Sample Time:

Sample Date: 6/29/01

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	7/3/01	WGC42077	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42077	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42077	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42077	EPA 8020
			Surrogate			Surrogate Recovery			Control Limits (%)	
			aaa-Trifluorotoluene			93			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	7/2/01	WGC42077	EPA 8015 MOD. (Purgeable)
			Surrogate			Surrogate Recovery			Control Limits (%)	
			aaa-Trifluorotoluene			102			65 - 135	

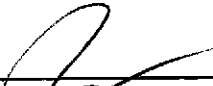
DF = Dilution Factor

ND = Not Detected

DLR = Detection Limit Reported

PQL = Practical Quantitation Limit

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

Date: 7/6/01  
Date Received: 6/29/01  
Project Name: GA  
Project Number:  
P.O. Number: GA  
Sampled By: Scott Beveridge

## Certified Analytical Report

Order ID: 26122

Lab Sample ID: 26122-003

Client Sample ID: MW-14

Sample Time:

Sample Date: 6/29/01

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	7/3/01	WGC42078	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42078	EPA 8020
Xylenes, Total	4.6		1	0.5	0.5	µg/L	N/A	7/3/01	WGC42078	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	81	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	660	x	1	50	50	µg/L	N/A	7/3/01	WGC42078	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	67	65 - 135

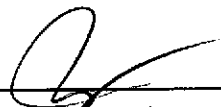
DF = Dilution Factor

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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## STANDARD LAB QUALIFIERS (FLAGS)

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 (Flag)	Description
U	Compound was analyzed for but not detected
J	Estimated value 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.

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## Quality Control Results Summary

QC Batch #: WGC42078  
 Matrix: Liquid

Units: µg/L  
 Date Analyzed: 7/3/01

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		454.41	LCS	81.0			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.865	LCS	94.6			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.076	LCS	90.7			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		34.057	LCS	95.1			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		38.068	LCS	88.5			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		461.19	LCSD	82.2	1.48	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.927	LCSD	95.6	1.05	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.154	LCSD	91.7	1.10	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		33.888	LCSD	94.7	0.50	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		37.954	LCSD	88.3	0.30	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					

# Entech Analytical Labs, Inc.

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## Quality Control Results Summary

QC Batch #: WGC42077  
 Matrix: Liquid

Units: µg/L  
 Date Analyzed: 7/2/01

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		464.4	LCS	82.8			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			102		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.74	LCS	92.6			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.11	LCS	91.2			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		34.2	LCS	95.5			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		38.3	LCS	89.1			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			99		65 - 135					
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		475.4	LCSD	84.7	2.34	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			103		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		6.16	LCSD	99.4	7.06	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		7.31	LCSD	93.7	2.77	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		34.6	LCSD	96.6	1.16	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		38.7	LCSD	90.0	1.04	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			103		65 - 135					

# Entech Analytical Labs, Inc.

3334 Victor Court  
Santa Clara, CA 95054

(408) 588-0200  
(408) 588-0201 - Fax

# Chain of Custody / Analysis Request

Attention to: <b>Tom Price</b>	Phone No.: <b>408/453-1800</b>	Purchase Order No.: <b>GA</b>	Send Invoice to (if Different)	Phone
Company Name: <b>Environmental Testing</b>	Fax No.: <b>408 453 1801</b>	Project Number:	Company	
Mailing Address: <b>1792 Rogers Ave</b>		Project Name: <b>GA</b>	Billing Address (if Different)	
City: <b>San Jose</b>	State: <b>CA</b>	Zip: <b>95110</b>	Project Location:	City: State Zip

Sampler: <b>Scott Beveridge</b>	Turn Around Time	Same Day <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> Standard <input checked="" type="checkbox"/>
Date: <b>6/29/01</b>		

Order ID:	Sampling	Matrix	Composite	Grab	Containers
-----------	----------	--------	-----------	------	------------

Client ID	Laboratory No.	Date	Time	Matrix	Composite	Grab	Containers	Preservative	Volatile Organics by GC/MS: 8240 <input type="checkbox"/>	Fuel Oxygenates by 8240 <input type="checkbox"/>	MTBE by 8240 <input type="checkbox"/>	Pesticides by 8240 <input type="checkbox"/>	Halogenated by GC/MS: 8021 <input type="checkbox"/>	8018/8019 <input type="checkbox"/>	TPH as Gas/BTEX <input type="checkbox"/>	TPH as Gas/BTEX <input type="checkbox"/>	Base Neutral/Acid Organics <input type="checkbox"/>	8270 <input type="checkbox"/>	Fuel Scan <input type="checkbox"/>	Diesel <input type="checkbox"/>	w/ Siegel Standard Cleanup <input type="checkbox"/>	w/ Siegel Column Cleanup <input type="checkbox"/>	TPPH <input type="checkbox"/>	Oil & Grease <input type="checkbox"/>	THM (502-2) <input type="checkbox"/>	Metals - Circle Below <input type="checkbox"/>	Total <input type="checkbox"/>	Remarks	
mw-12	26/22-001	6/29/01				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						
mw-13	↓ -002	↓				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						
mw-14	↓ -003	↓				<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																						

Relinquished by:	Received by:	Date:	Time:
	<i>[Signature]</i>	6/29/01	1645
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

**Special Instructions or Comments**  NPDES Detection Limits

Metals: Al, As, Sb, Ba, Be, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Sr, Tl, Sn, Ti, V, Zn, W : CAM-17  Plating  PPM-13  LUFT-5

# Entech Analytical Labs, Inc.

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

October 12, 2001

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

**Order:** 27191

**Date Collected:** 10/5/01

**Project Name:**

**Date Received:** 10/5/01

**Project Number:**

**P.O. Number:** Verbal

**Project Notes:**

On October 05, 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

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 408-588-0200.

Sincerely,



Michelle L. Anderson  
Laboratory Director

# Entech Analytical Labs, Inc.

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

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

Date: 10/12/01  
Date Received: 10/5/01  
Project Name:  
Project Number:  
P.O. Number: Verbal  
Sampled By: Tom Price

## Certified Analytical Report

Order ID: 27191

Lab Sample ID: 27191-001

Client Sample ID: MW-13

Sample Time:

Sample Date: 10/5/01

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	10/8/01	WGC42189	EPA 8020
Toluene	ND		1	0.5	0.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
Ethyl Benzene	ND		1	0.5	0.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
Xylenes, Total	ND		1	0.5	0.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
				<b>Surrogate</b>		<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>		
				aaa-Trifluorotoluene		94		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	10/8/01	WGC42189	EPA 8015 MOD. (Purgeable)
				<b>Surrogate</b>		<b>Surrogate Recovery</b>		<b>Control Limits (%)</b>		
				aaa-Trifluorotoluene		99		65 - 135		

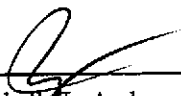
DF = Dilution Factor

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

Date: 10/12/01  
Date Received: 10/5/01  
Project Name:  
Project Number:  
P.O. Number: Verbal  
Sampled By: Tom Price

## Certified Analytical Report

Order ID: 27191

Lab Sample ID: 27191-002

Client Sample ID: MW-14

Sample Time:

Sample Date: 10/5/01

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	1.7		1	0.5	0.5	µg/L	N/A	10/9/01	WGC42189	EPA 8020
Toluene	1.5		1	0.5	0.5	µg/L	N/A	10/9/01	WGC42189	EPA 8020
Ethyl Benzene	0.91		1	0.5	0.5	µg/L	N/A	10/9/01	WGC42189	EPA 8020
Xylenes, Total	8.3		1	0.5	0.5	µg/L	N/A	10/9/01	WGC42189	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	80	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	770		1	50	50	µg/L	N/A	10/9/01	WGC42189	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	72	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

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

Date: 10/12/01  
Date Received: 10/5/01  
Project Name:  
Project Number:  
P.O. Number: Verbal  
Sampled By: Tom Price

## Certified Analytical Report

Order ID: 27191      Lab Sample ID: 27191-003      Client Sample ID: MW-1A  
Sample Time:      Sample Date: 10/5/01      Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	76		25	0.5	12.5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Toluene	41		25	0.5	12.5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Ethyl Benzene	36		25	0.5	12.5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Xylenes, Total	140		25	0.5	12.5	µg/L	N/A	10/9/01	WGC42191	EPA 8020

Surrogate      Surrogate Recovery      Control Limits (%)  
aaa-Trifluorotoluene      88      65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	15000		25	50	1250	µg/L	N/A	10/9/01	WGC42191	EPA 8015 MOD. (Purgeable)

Surrogate      Surrogate Recovery      Control Limits (%)  
aaa-Trifluorotoluene      79      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 & Management  
1792 Rogers Avenue  
San Jose, CA 95112  
Attn: Tom Price

Date: 10/12/01  
Date Received: 10/5/01  
Project Name:  
Project Number:  
P.O. Number: Verbal  
Sampled By: Tom Price

## Certified Analytical Report

Order ID: 27191

Lab Sample ID: 27191-004

Client Sample ID: MW-8

Sample Time:

Sample Date: 10/5/01

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	28		5	0.5	2.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
Toluene	ND		5	0.5	2.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
Ethyl Benzene	20		5	0.5	2.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020
Xylenes, Total	23		5	0.5	2.5	µg/L	N/A	10/8/01	WGC42189	EPA 8020

<b>Surrogate</b> aaa-Trifluorotoluene	<b>Surrogate Recovery</b> 79	<b>Control Limits (%)</b> 65 - 135
------------------------------------------	---------------------------------	---------------------------------------

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	1800		5	50	250	µg/L	N/A	10/8/01	WGC42189	EPA 8015 MOD. (Purgeable)

<b>Surrogate</b> aaa-Trifluorotoluene	<b>Surrogate Recovery</b> 74	<b>Control Limits (%)</b> 65 - 135
------------------------------------------	---------------------------------	---------------------------------------

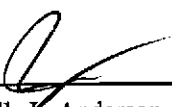
DF = Dilution Factor

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*



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

Date: 10/12/01  
Date Received: 10/5/01  
Project Name:  
Project Number:  
P.O. Number: Verbal  
Sampled By: Tom Price

## Certified Analytical Report

Order ID: 27191

Lab Sample ID: 27191-006

Client Sample ID: MW-10

Sample Time:

Sample Date: 10/5/01

Matrix: Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	70		10	0.5	5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Toluene	28		10	0.5	5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Ethyl Benzene	41		10	0.5	5	µg/L	N/A	10/9/01	WGC42191	EPA 8020
Xylenes, Total	30		10	0.5	5	µg/L	N/A	10/9/01	WGC42191	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	89	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	5200		10	50	500	µg/L	N/A	10/9/01	WGC42191	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
aaa-Trifluorotoluene	84	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.

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

## Quality Control Results Summary

QC Batch #: WGC42189  
Matrix: Liquid

Units: µg/L  
Date Analyzed: 10/8/01

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		508.63	LCS	90.7			59.2 - 111.9
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			97		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.89	LCS	95.0			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		6.21	LCS	79.6			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		28.78	LCS	80.4			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		33.55	LCS	78.0			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			100		65 - 135					
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		511.91	LCSD	91.2	0.64	25.00	59.2 - 111.9
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			96		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.94	LCSD	95.8	0.79	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		6.22	LCSD	79.8	0.19	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		28.79	LCSD	80.4	0.03	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		33.70	LCSD	78.4	0.45	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			99		65 - 135					

# Entech Analytical Labs, Inc.

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## Quality Control Results Summary

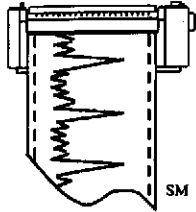
QC Batch #: WGC42191  
 Matrix: Liquid

Units: µg/L  
 Date Analyzed: 10/9/01

Parameter	Method	Blank Result	Spike Sample ID	Spike Amount	Sample Result	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		521.87	LCS	93.0			59.2 - 111.9
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.80	LCS	93.5			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		6.25	LCS	80.1			65.0 - 135.0
Toluene	EPA 8020	ND		35.8		29.32	LCS	81.9			65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		33.91	LCS	78.9			65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					
<b>Test: TPH as Gasoline</b>											
TPH as Gasoline	EPA 8015 M	ND		561		513.51	LCSD	91.5	1.61	25.00	59.2 - 111.9
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			97		65 - 135					
<b>Test: BTEX</b>											
Benzene	EPA 8020	ND		6.2		5.76	LCSD	92.9	0.66	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		7.8		6.16	LCSD	79.0	1.40	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		35.8		28.86	LCSD	80.6	1.56	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		43		33.23	LCSD	77.3	2.05	25.00	65.0 - 135.0
<b>Surrogate</b>			<b>Surrogate Recovery</b>			<b>Control Limits (%)</b>					
	aaa-Trifluorotoluene			98		65 - 135					







# ENVIRONMENTAL TESTING

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

Date: 6-29-01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: MW-19

Depth of Well: 38.3

1 Well Volume: 3.8

Depth to Water: 23.81

4 Well Volumes: \_\_\_\_\_

Casing Diameter: 2" - 4"

Actual Volume Purged: \_\_\_\_\_

Calculations:

2" - \* 0.1632

4" - \* 0.653

$$\begin{array}{r} 24 \\ 23.81 \\ \hline 1.16 \\ 142.56 \\ 2381 \\ \hline 3809.6 \end{array}$$

Purge Method:  Bailer \_\_\_\_\_ Displacement Pump \_\_\_\_\_ Impinger/Vacuum \_\_\_\_\_

Sample Method:  Bailer \_\_\_\_\_ Other Specify: \_\_\_\_\_

Sheen:  No \_\_\_\_\_ Yes, Describe \_\_\_\_\_

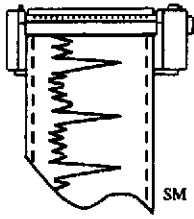
Odor: \_\_\_\_\_ No  Yes, Describe \_\_\_\_\_

### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>10:40</u>	<u>3.8</u>	<u>6.9</u>	<u>70'</u>	<u>N/A</u>	<u>BR</u>
<u>10:48</u>	<u>2.6</u>	<u>6.9</u>	<u>72'</u>	<u>N/A</u>	<u>CL</u>
<u>11:05</u>	<u>11.4</u>	<u>6.7</u>	<u>75'</u>	<u>N/A</u>	<u>Grey</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 6-29-01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: MW-13

Depth of Well: 37.4

1 Well Volume: 4.0

Depth to Water: 25.35

4 Well Volumes: \_\_\_\_\_

Casing Diameter: 2" - 4"

Actual Volume Purged: \_\_\_\_\_

### Calculations:

2" - \* 0.1632  
4" - \* 0.653

$$\begin{array}{r}
 3.23 \\
 25.35 \\
 \hline
 1.76 \\
 \hline
 15.210 \\
 25.35 \\
 \hline
 4.0560
 \end{array}$$

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum \_\_\_\_\_

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

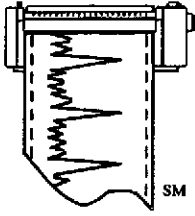
Odor:  No  Yes, Describe \_\_\_\_\_

### Field Measurements:

Time	Volume	pH	Temp.	EC	Color
<u>10:10</u>	<u>7.0</u>	<u>6.7</u>	<u>71°</u>	<u>N/A</u>	<u>cl-B1</u>
<u>10:16</u>	<u>8.0</u>	<u>6.8</u>	<u>73°</u>	<u>N/A</u>	<u>cl-B1-</u>
<u>10:25</u>	<u>12.0</u>	<u>6.7</u>	<u>72°</u>	<u>N/A</u>	<u>cl-B2</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 6-29-01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: MW-14

Depth of Well: 30.5

1 Well Volume: 3.9

Depth to Water: 24.91

4 Well Volumes: \_\_\_\_\_

Casing Diameter:  2"  4"

Actual Volume Purged: \_\_\_\_\_

### Calculations:

2" - \* 0.1632

4" - \* 0.653

$$\begin{array}{r} 24.91 \\ - 1.16 \\ \hline 23.75 \\ - 0.16 \\ \hline 23.59 \\ - 0.16 \\ \hline 23.43 \\ - 0.16 \\ \hline 23.27 \\ - 0.16 \\ \hline 23.11 \\ - 0.16 \\ \hline 22.95 \end{array}$$

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum \_\_\_\_\_

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

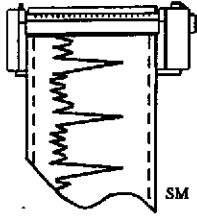
Odor:  No  Yes, Describe \_\_\_\_\_

### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>9:40</u>	<u>3.9</u>	<u>6.7</u>	<u>79°</u>	<u>N/A</u>	<u>RR</u>
<u>9:47</u>	<u>7.8</u>	<u>6.5</u>	<u>78°</u>	<u>N/A</u>	<u>RR</u>
<u>9:55</u>	<u>12.5</u>	<u>6.9</u>	<u>77°</u>	<u>N/A</u>	<u>RR</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 10/5/01 Project Name: GTA

Project No.: \_\_\_\_\_ Well No./Description: MW-10

Depth of Well: 38.90 1 Well Volume: ~2

Depth to Water: 26.64 4 Well Volumes: \_\_\_\_\_

Casing Diameter: 2" - 4" Actual Volume Purged: \_\_\_\_\_

Calculations:

2" - \* 0.1632

4" - \* 0.653

1 12  
14  
72  
12

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

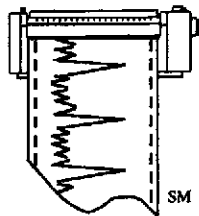
Odor:  No  Yes, Describe mild H<sub>2</sub>C

## Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>120</u>	<u>2.0</u>	<u>5.9</u>	<u>67</u>	<u>1.5E3</u>	<u>gray</u>
<u>125</u>	<u>4</u>	<u>5.8</u>	<u>67</u>	<u>1.6E3</u>	<u>"</u>
<u>130</u>	<u>6.0</u>	<u>5.9</u>	<u>66</u>	<u>1.6E3</u>	<u>"</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 10/5/01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: mw-13

Depth of Well: ~~mw-13~~  
~40

1 Well Volume: \_\_\_\_\_

Depth to Water: 26.16

4 Well Volumes: \_\_\_\_\_

Casing Diameter:  2"  4"

Actual Volume Purged: 6.5

### Calculations:

2" - \* 0.1632

4" - \* 0.653

$$\begin{array}{r} 2.4 \\ + 1.6 \\ \hline 8.4 \end{array}$$

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

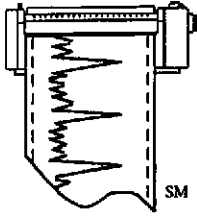
Odor:  No  Yes, Describe \_\_\_\_\_

### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>1:00</u>	<u>2.5</u>	<u>6.1</u>	<u>65</u>	<u>1.6 E3</u>	<u>brown</u>
<u>1:05</u>	<u>5.0</u>	<u>6.1</u>	<u>65</u>	<u>1.2 E3</u>	<u>"</u>
<u>1:15</u>	<u>6.5</u>	<u>6.0</u>	<u>64</u>	<u>1.9 E3</u>	<u>"</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 10/5/01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: mw-9.

Depth of Well: 34.30

1 Well Volume: ~ 1.5

Depth to Water: 25.23

4 Well Volumes: \_\_\_\_\_

Casing Diameter:  2"  4"

Actual Volume Purged: 4.5

Calculations:

2" - \* 0.1632

4" - \* 0.653

5.16  
9  
14.4

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum \_\_\_\_\_

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe heavy

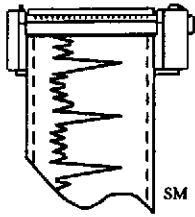
Odor:  No  Yes, Describe strong HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: heavy sheen, purge only no msmts, grab sample.

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 10/5/01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: mw-8

Depth of Well: 33.2

1 Well Volume: 1.3

Depth to Water: 25.87

4 Well Volumes: \_\_\_\_\_

Casing Diameter: 2" 4"

Actual Volume Purged: \_\_\_\_\_

Calculations:

1.18  
1.28

2" - \* 0.1632

4" - \* 0.653

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum \_\_\_\_\_

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

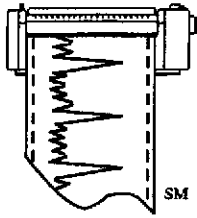
Odor:  No  Yes, Describe HC

### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>1225</u>	<u>2.5</u>	<u>6.9</u>	<u>69</u>	<u>1.7E3</u>	<u>gray</u>
<u>1230</u>	<u>4.0</u>	<u>5.5</u>	<u>65</u>	<u>1.7E3</u>	<u>"</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_



# ENVIRONMENTAL TESTING

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

Date: 10/5/01

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: MW-14

Depth of Well: 240

1 Well Volume: 12.2

Depth to Water: 26.26

4 Well Volumes: \_\_\_\_\_

Casing Diameter:  2"  4"

Actual Volume Purged: 6.6

### Calculations:

2" - \* 0.1632

4" - \* 0.653

2.16  
1.4  
6.4  
1.6  
2.24

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe \_\_\_\_\_

Odor:  No  Yes, Describe \_\_\_\_\_

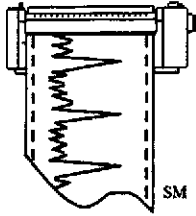
### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>1155</u>	<u>2.2</u>	<u>6.7</u>	<u>66</u>	<u>1.7E3</u>	<u>brown</u>
<u>1200</u>	<u>4.4</u>	<u>6.7</u>	<u>65</u>	<u>"</u>	<u>"</u>
<u>1215</u>	<u>6.6</u>	<u>6.8</u>	<u>61</u>	<u>1.1E3</u>	<u>1</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_





# ENVIRONMENTAL TESTING

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

Date: 10/5/4

Project Name: GA

Project No.: \_\_\_\_\_

Well No./Description: MW-1A

Depth of Well: 33.45

1 Well Volume: ~1.5

Depth to Water: 24.85

4 Well Volumes: \_\_\_\_\_

Casing Diameter: 2" 4"

Actual Volume Purged: 4.5

Calculations:

5.6  
9

2" \* 0.1632

4" \* 0.653

14.4

Purge Method:  Bailer  Displacement Pump  Impinger/Vacuum

Sample Method:  Bailer  Other Specify: \_\_\_\_\_

Sheen:  No  Yes, Describe developed slight sheen after purge

Odor:  No  Yes, Describe H/C mild

### Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
<u>145</u>	<u>1.5</u>	<u>5.7</u>	<u>65</u>	<u>1.9/23</u>	<u>gray</u>
<u>150</u>	<u>4.9</u>	<u>5.5</u>	<u>65</u>	<u>1.8/23</u>	<u>1</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Remarks: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Sampler: \_\_\_\_\_

## APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The quality assurance/quality control measures used for groundwater sampling 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**

Service No. \_\_\_\_\_

Permit Number 11/11/01

Date Approved \_\_\_\_\_

Work Site: W. Broadway, between 1st and 2nd Sts.

Applicant: Name Environmental Technology Address 1799 Broadway, Apt 201 Tel. 415-432-1111

Owner: Name M. J. ... Address 341 E 14th St, San Leandro, CA Tel. (510) 292-5413

Purpose of Permit:

- Utility     Street Excavation     Curb, Gutter Sidewalk, Driveway     Other \_\_\_\_\_

Detailed Description and Dimensions of Work: Repair of sidewalk for missing ground water depth. / cut back 100 ft.

Plan Submitted: Yes  No \_\_\_\_\_ Profile Submitted: Yes \_\_\_\_\_ No \_\_\_\_\_

Date Work to be Started: 11/5/01 Date Work to be Completed by: 11/5/01

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. A-716602, Class A in full force and effect.  
 Applicant is exempt from the State Contractor's License Law for the following reason(s): \_\_\_\_\_

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 Tom Owen Date: 11/5/01

**PLEASE CALL 577-3308 FOR INSPECTIONS**

**SPECIAL PROVISIONS**

Backfill Required All work shall be per city  
 Pavement Section Required Standard plans and specs.  
 Minimum Depth of Cover \_\_\_\_\_  
 Police & Fire Dept. to be notified 24 hours prior to start: YES \_\_\_\_\_ NO \_\_\_\_\_  
\* provide pedestrian access and protection at all times. \* \$500 will return after 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.

ISSUE FOR CITY ENGINEER

**INSPECTION RECORD**

Date	Comments	Insp.	Hrs. Charged

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

**FEES**

PERMIT FEE: \$175 To Acct. #3306  
 RESTORE/INSPECT DEPOSIT: \$500 To CN # \_\_\_\_\_  
 STREET CUT FEE: \_\_\_\_\_ TO ACCT #3304  
 TOTAL: \$675.00

- All charges collected at permit insurance  
 All charges to be billed to CN # 14029

**CITY OF SAN LEANDRO  
APPLICATION TO PERFORM WORK  
IN THE PUBLIC RIGHT-OF-WAY**

Service No. \_\_\_\_\_

Permit Number \_\_\_\_\_

Date Approved \_\_\_\_\_

Work Site: W. Riverwood Rd. at ...

Applicant: Name Environmental Training Address 1777 ... Tel: ...

Owner: Name M.L. ... Address 3011 ... Tel: ...

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

Detailed Description and Dimensions of Work: Open 3 well boxes for maintenance of groundwater depth, collect samples

**RECEIVED  
CITY OF SAN LEANDRO**

Plan Submitted: Yes  No \_\_\_\_\_ Profile Submitted: Yes \_\_\_\_\_ No \_\_\_\_\_

Date Work to be Started: 6/29/11 Date Work to be Completed by: ENGL 6/29/11

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. A71660, Class A in full force and effect.  
 Applicant is exempt from the State Contractor's License Law for the following reason(s): \_\_\_\_\_

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 [Signature] Date: 6/29/11

**PLEASE CALL 577-3308 FOR INSPECTIONS**

**SPECIAL PROVISIONS**  
 Backfill Required ALL WORK SHALL BE PER  
 Pavement Section Required CITY STANDARD PAVEMENT  
 Minimum Depth of Cover SPALS  
 Police & Fire Dept. to be notified 24 hours prior to start: YES \_\_\_\_\_ NO \_\_\_\_\_  
PROVIDE PEDESTRIAN ACCESS AND PROTECTION AT ALL TIMES ALSO WILL OBTAIN APPROVAL FROM CALIFORNIA DEPT RECEIVED THE  
 SEE REVERSE SIDE FOR GENERAL PROVISIONS APPLICABLE TO ALL PERMIT WORK REPORT.

**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.

**ISSUE FOR CITY ENGINEER**  
[Signature]

**INSPECTION RECORD**

Date	Comments	Insp.	Hrs. Charged

**FEES**  
 PERMIT FEE: \$75 To Acct. #3306  
 RESTORE/ INSPECT DEPOSIT: 500 To CN # \_\_\_\_\_  
 STREET CUT FEE: \_\_\_\_\_ TO ACCT #3304  
 TOTAL: 575

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

All charges collected at permit insurance  
 All charges to be billed to  
 CN # 14269

**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