R0302

THIRD QUARTER 2003 - FIRST QUARTER 2004

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 third quarter 2003 through first quarter 2004 at German Autocraft located at 301 East 14th Street in the City of San Leandro, Alameda County, California (**Figure 1**). This report is submitted to the Alameda County Department of Environmental Health (ACDEH) on behalf of Mr. Seung Lee, owner of German Autocraft. Due to the financial condition of the owner samples were collected according to the sampling schedule however, samples were not collected in the street where permit fees are required. Also, due to unanticipated out-of-state travel by project personnel, samples were not collected during the fourth quarter 2003.

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:

- **September 30, 2003** - ET collected groundwater samples and measured groundwater depths at selected wells.
- **February 10, 2004** - ET measured groundwater depths at selected wells.
- **March 31, 2004** - ET collected groundwater samples and measured groundwater depths at at selected wells.

IV. GROUNDWATER ELEVATION AND GRADIENT

Based on groundwater depth measurements over the area studied, the shallow groundwater surface elevation was calculated (see **Table 1a** and **1b**). **Figure 3** shows groundwater gradient/estimated flow direction. **Table 1** presents the recent groundwater elevation data. **Table 2** presents historic

groundwater elevation data. The gradient determined this period is consistent with historical flow data.

V. GROUNDWATER SAMPLING, MODIFICATIONS TO WELLS SAMPLED, AND ANALYTICAL RESULTS

The general sampling schedule is presented on page 2. Due to the financial situation of the owner of German Autocraft, wells requiring an encroachment permit and permitting fees (i.e. MW-1A, MW-6, MW-8, MW-11, MW-12, MW-13, and MW-14) were not sampled during this period. Also, groundwater sample was collected at 141 Farrelly where a sample was not sampled during due to scheduling limitations with the owner of that residence. Groundwater samples under this program are 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 Santa Clara, California. The laboratory report and chain-of-custody documents are included in **Appendix B**. The field sampling data sheets are presented in **Appendix C.** Maps showing TPHg and benzene concentrations are presented on **Figures 4** and **5**. 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.**

Figures 6a - 6o present logarithmic plots of historic chemical test concentrations. For the time trend plots, where chemical concentration was below the method detection limit, the plotted value is the average of the detection limit and zero. Refer to **Table 4** for historic chemical test results. Note that on some plots, the concentrations are so low that the log plots appear nearly arithmetical. Also, due to graphing and plotting software limitations, on some plots where values are negative, the plotted line appears to over-write the printed dates (for example see **Figure 6f** "MW-6 Benzene Time Trend Plot").

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

The contaminant plume appears relatively stable with the most elevated concentrations near the former UST source. The historical data set (see **Table 4**) shows that the edge of the dissolved plume is interpreted to occur beyond well MW-12. This period time trend plots for monitoring wells were prepared showing historic logarithmic concentrations to display graphical trends for wells (see **Figures 6a - 6o**). The overall trends in TPHg and benzene chemical concentrations appear stable or slowly declining.

Historic flow data shows a consistent west-northwesterly flow direction under a calculated flow gradient of 0.002. The log plots of historic monitoring data show stable and slightly declining concentrations. Although only a limited number of monitoring wells were sampled this period, the results are, in our opinion, similar and consistent with the site's historic trends.

The monitoring program is at a transitional stage and attempts to meet with a local oversight program (LOP) have been unsuccessful. ET will continue to seek assistance under the LOP.

Due to the financial condition of the owner, sampling locations requiring a permit and permit fees were not collected this period. Also, due to unanticipated out-of-state travel by project personnel, samples were not collected during the fourth quarter 2003.

VII. CONCLUSIONS

Selected wells' various chemical constituents continue to exceed their respective California Drinking Water Maximum Contaminant Levels (MCLs) or Federal Action Levels (AL) (see historic test results **Table 4**).

Historic data, including current gauging events, indicate that groundwater elevations measured this period for the site are consistent with previous monitoring events for the project. The most elevated concentrations of TPHg and benzene appear in wells MW-1, MW-2, MW-3, and MW-4. These wells are in the vicinity of the former tank site. The dissolved plume continues to show a northwesterly orientation from the site, in a relatively stable configuration. Log plots of monitoring wells' historic chemical data were prepared to evaluate the data collected to date. ET will discuss the historic data with the ACDEH representative following review regarding future site work and monitoring given the owner's financial situation. The site is scheduled for continued monitoring.

VIII. 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.

IX. REFERENCES

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TABLE 1a. GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA

9/30/03

		September 30, 2003	
WELL	CASING ELEVATION[1]	Depth to Groundwater	Groundwater Elevation
MW-1	49.40	25.35	24.05
MW-2	50.02	26.19	23.83
MW-3	49.32	25.50	23.82
MW-4	49.61	25.65	23.96
MW-9	48.77	25.00	23.77
MW-10	49.93	26.37	23.56

[1]Elevations in feet above mean sea level.

TABLE 1b. GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA

2/10/04

		February 10, 2004	
WELL	CASING ELEVATION[2]	Depth to Groundwater	Groundwater Elevation
MW-1	49.40	22.44	26.96
MW-2	50.02	23.27	26.75
MW-3	49.32	22.53	26.79
MW-9	48.77	22.13	26.64
MW-10	49.93	23.54	26.39

[2]Elevations in feet above mean sea level.

TABLE 2. HISTORICAL GROUNDWATER ELEVATION DATA

Elevation in Feet Above Mean Sea Level

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

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

DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-8	MW-9	MW-10	MW-11	MW-1A	141 Farralley
9/29/99	24.39	24.12	24.20	24.27	24.26	24.38	23.93	24.05	23.80	24.03	23.89	-
12/29/99	23.75	23.52	23.60	23.64	23.64	23.75	23.36	23.45	23.23	23.43	23.29	-
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	-
3/28/02	28.66	28.43	28.49	28.58	28.60	28.65	28.15	28.32	28.06	28.31	28.14	-
9/30/02	-	24.18	24.12	24.32	-	24.41	23.97	24.11	23.88	24.09	23.96	23.42
12/21/02	-	-	-	-	-	-	-	-	-	-	-	28.69
3/31/03	26.68	26.39	26.50	26.59	-	-	-	26.33	26.06	-	-	-
6/19/03	26.23	26.04	26.03	26.16	-	-	-	25.90	25.65			25.21
9/30/03	24.05	23.83	23.82	23.96	-	-	-	23.77	23.56	-	-	-
2/10/04	26.96	26.75	26.79	-	-	-	-	26.64	26.39	-	-	-

DATE	MW-12	MW-13	MW-14
3/30/01	26.71	26.41	27.01
10/5/01	23.21	22.91	23.98
12/21/01	26.10	25.78	26.10
3/28/02	27.95	27.60	27.96
6/28/02	25.19	24.81	25.22
9/30/02	23.75	23.37	23.76
12/21/02	-	27.99	28.03

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

9/30/03

Location: German Autocraft, 301 E. 14th Street, San Leandro, California

Date Sampled: September 30, 2003 Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-9	9,700	52	<25	160	87
MW-10	7,400	61	<50	<50	<100
MCL/AL[3]	-	1	150	700	1,750

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

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

3/31/04

Location: German Autocraft, 301 E. 14th Street, San Leandro, California

Date Sampled: March 31, 2004 Units: µg/L

WELL	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-1	100,000	2,100	21,000	6,200	36,000
MW-2	8,200	500	<12.5	65	<25
MW-3	11,000	1,000	940	550	1,900
MW-4	24,000	2,500	200	1,400	2,800
MCL/AL[4]	-	1	150	700	1,750

[4]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)

Location: German Autocraft, 301 E. 14th Street, San Leandro, California

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
	3/28/02	100,000	2,800	24,000	5,400	28,900
	3/31/03	100,000	2,200	19,000	4,900	21,000
	3/31/04	100,000	2,100	21,000	6,200	36,000
MW-2	1/6/95	980,000	9,400	5,600	19,000	42,000
	7/6/95	71,000	5,300	1,800	6,100	9,000
	10/2/95	40,000	2,900	200	2,800	3,600
	1/12/96	260,000	2,600	2,200	6,300	7,800
	4/13/96	30,000	1,900	370	2,300	2,400
	7/26/96	180,000	1,400	640	2,100	5,000
	10/21/96	62,000	2,100	<0.5	2,100	2,700
	1/28/97	46,000	1,500	94	1,800	2,000

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-2	4/25/97	23,000	790	26	820	730
	7/17/97	95,000	2,200	<0.5	3,100	4,300
	10/21/97	31,000	2,000	<0.5	2,100	1,900
	3/10/98	19,000	730	44	820	1,000
	6/6/98	16,000	670	1,100	510	1,200
	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
	3/28/02	7,000	570	16	170	71
	3/31/03	5,000	620	<12.5	71	<25
	3/31/04	8,200	500	<12.5	65	<25
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-3	7/26/96	62,000	6,400	3,100	3,000	11,000
	10/21/96	110,000	5,400	2,400	2,500	9,800
	1/28/97	130,000	5,500	15,000	2,300	12,000
	4/25/97	180,000	6,900	20,000	2,600	13,000
	7/17/97	69,000	5,100	1,100	1,800	8,600
	10/21/97	58,000	4,300	1,300	2,100	8,000
	3/10/98	25,000	3,000	1,300	1,100	3,700
	6/6/98	52,000	4,400	1,900	2,300	6,900
	9/30/98	42,000	4,300	1,400	1,800	6,600
	12/30/98	34,000	4,200	770	2,300	9,000
	3/23/99	44,000	3,500	1000	1,700	5,200
	9/29/99	39,000	6,000	840	2,400	8,100
	12/29/99	39,000	4,600	790	2,400	8,100
	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
	3/28/02	31,000	4,400	370	2,200	6,110
	3/31/03	25,000	3,200	280	1,600	4,200
	3/31/04	11,000	1,000	940	550	1,900
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

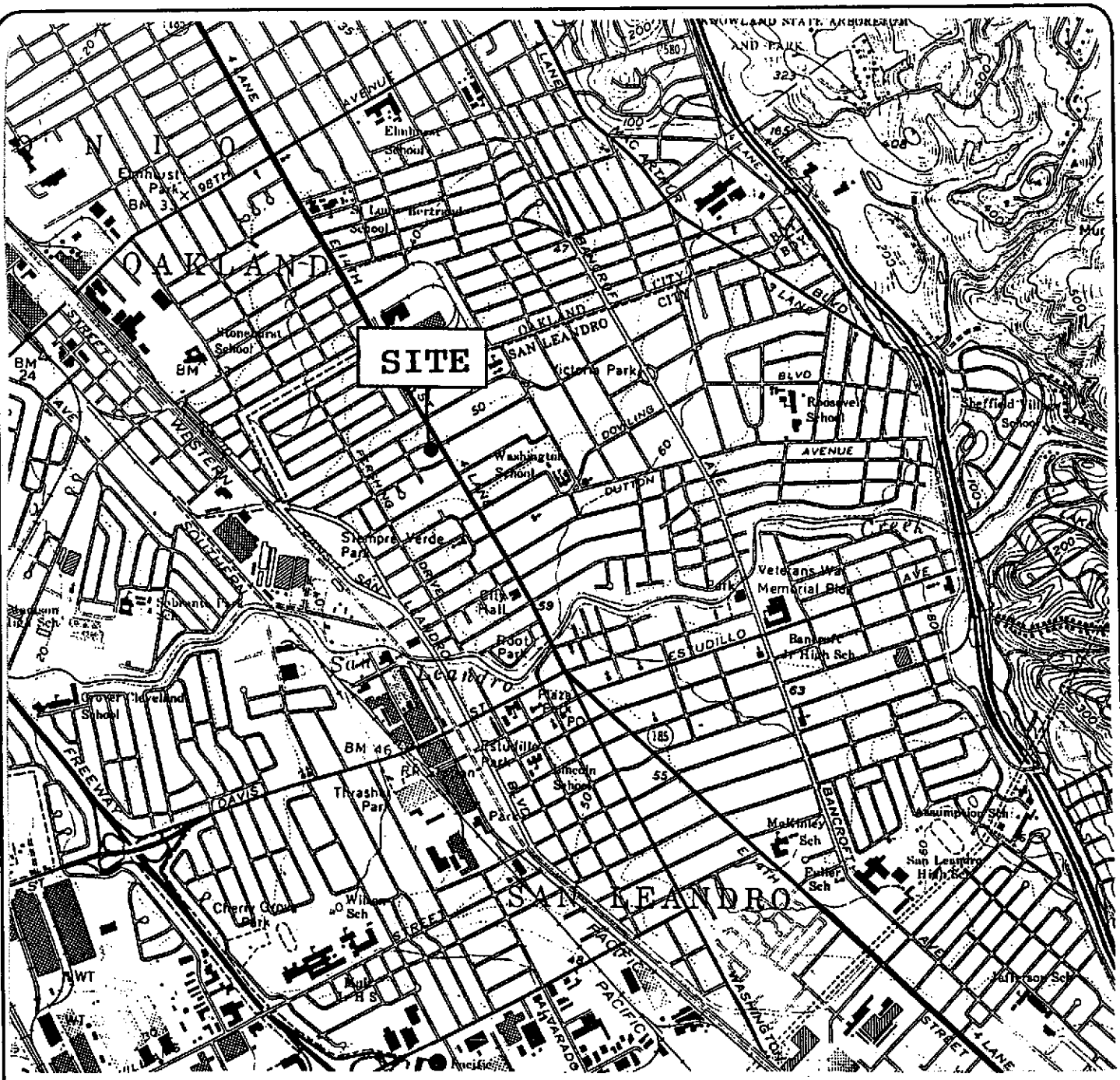
WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-4	9/29/99	48,000	5,300	6,800	1,700	7,700
	3/18/00	44,000	4,500	7,500	2,200	11,000
	3/20/01	10,000	700	620	<10	1,900
	3/28/02	30,000	3,700	3,100	1,100	4,100
	3/31/03	25,000	2,000	2,100	820	2,900
	3/31/04	24,000	2,500	200	1,400	2,800
MW-5	12/30/98	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
	3/20/01	160	<0.5	<0.5	<0.5	<0.5
	3/28/02	88	0.89	<0.5	<0.5	<1.5
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-8	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
	3/28/02	1,100	12	1.7	11	10.8
	9/30/02	1,400	15	24	32	22
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
	3/20/01	8,200	40	<10	14	210
	10/5/01	77,000	<100	110	780	850
	3/28/02	11,000	34	6.1	220	180
	9/30/02	34,000	<125	140	240	370
	3/31/03	6,200	<12.5	<12.5	130	87
	9/30/03	9,700	52	<25	160	87
MW-10	12/30/98	6,900	130	19	140	210
	3/23/99	6,600	150	33	240	170

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-10	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
	2/28/02	7,400	45	20	210	66
	9/30/02	670	54	5.9	76	23
	3/31/03	5,700	31	38	67	27
	9/30/03	7,400	61	<50	<50	<100
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
	3/28/02	<50	<0.5	<0.5	<0.5	<1.5
MW-12	3/20/01	4,100	28	6.2	<5	16
	6/29/01	4,200	26	25	19	29
	12/21/01	5,300	9.7	<2.5	41	14
	3/28/02	4,900	20	<2.5	69	23

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-12	6/28/02	2,600	29	<12.5	30	<25
	9/30/02	700	16	4.9	19	9.8
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
	12/21/01	<50	<0.5	<0.5	<0.5	<0.5
	3/28/02	<50	<0.5	<0.5	<0.5	<1.5
	6/28/02	<50	<0.5	<0.5	<0.5	<1
	9/30/02	<50	<0.5	<0.5	<0.5	<1
	12/21/02	<50	<0.5	<0.5	<0.5	<1
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
	12/21/01	1,500	3.1	13	1.9	22
	3/28/02	390	1.7	<0.5	<0.5	0.74
	6/28/02	120	<0.5	<0.5	<0.5	<1
	9/30/02	210	<0.5	1.7	<0.5	1.1
	12/21/02	53	<0.5	<0.5	<0.5	<1
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

WELL	DATE	TPHg	BENZENE	TOLUENE	ETHYL-BENZENE	XYLENES
MW-1A	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
	3/28/02	9,300	35	<12.5	17	32
	9/30/02	23,000	<50	63	77	230
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
	12/21/01	<50	<0.5	<0.5	<0.5	<0.5
	9/30/02	<50	<0.5	<0.5	<0.5	<1
	12/21/02	<50	<0.5	<0.5	<0.5	<1
	6/19/03	<50	<0.5	<0.5	<0.5	<1



EXPLANATION:

Scale: 1"=2000'

0 1000' 2000'

Base Map Reference: U.S.G.S. San Leandro 7.5 Minute Topographic, Quadrangle.

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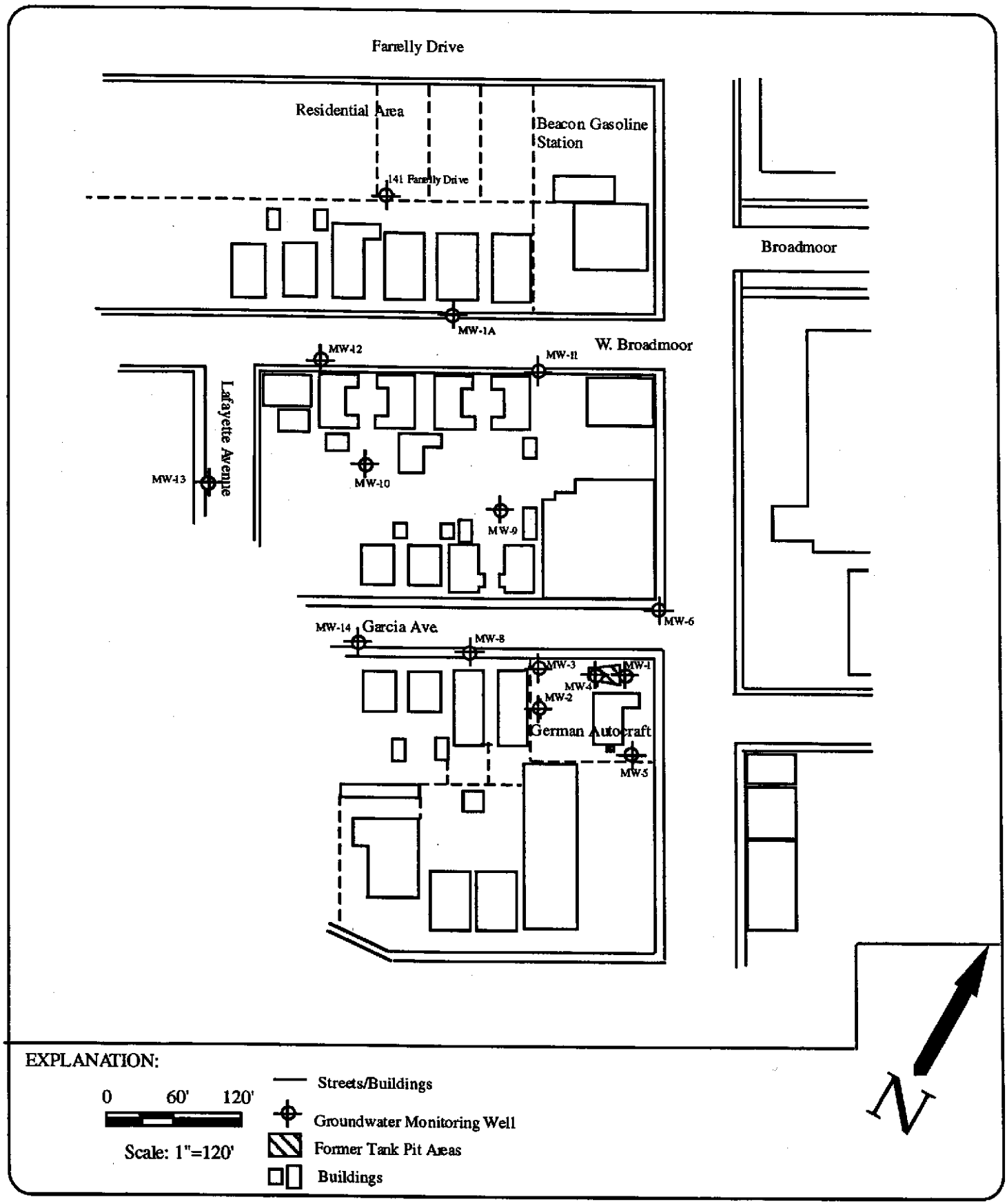
ENVIRONMENTAL TESTING & MGMT
111 N. MARKET ST. SUITE 600
SAN JOSE, CALIFORNIA 95113

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

Figure 1

Project No. 94-52
Date: 3/97

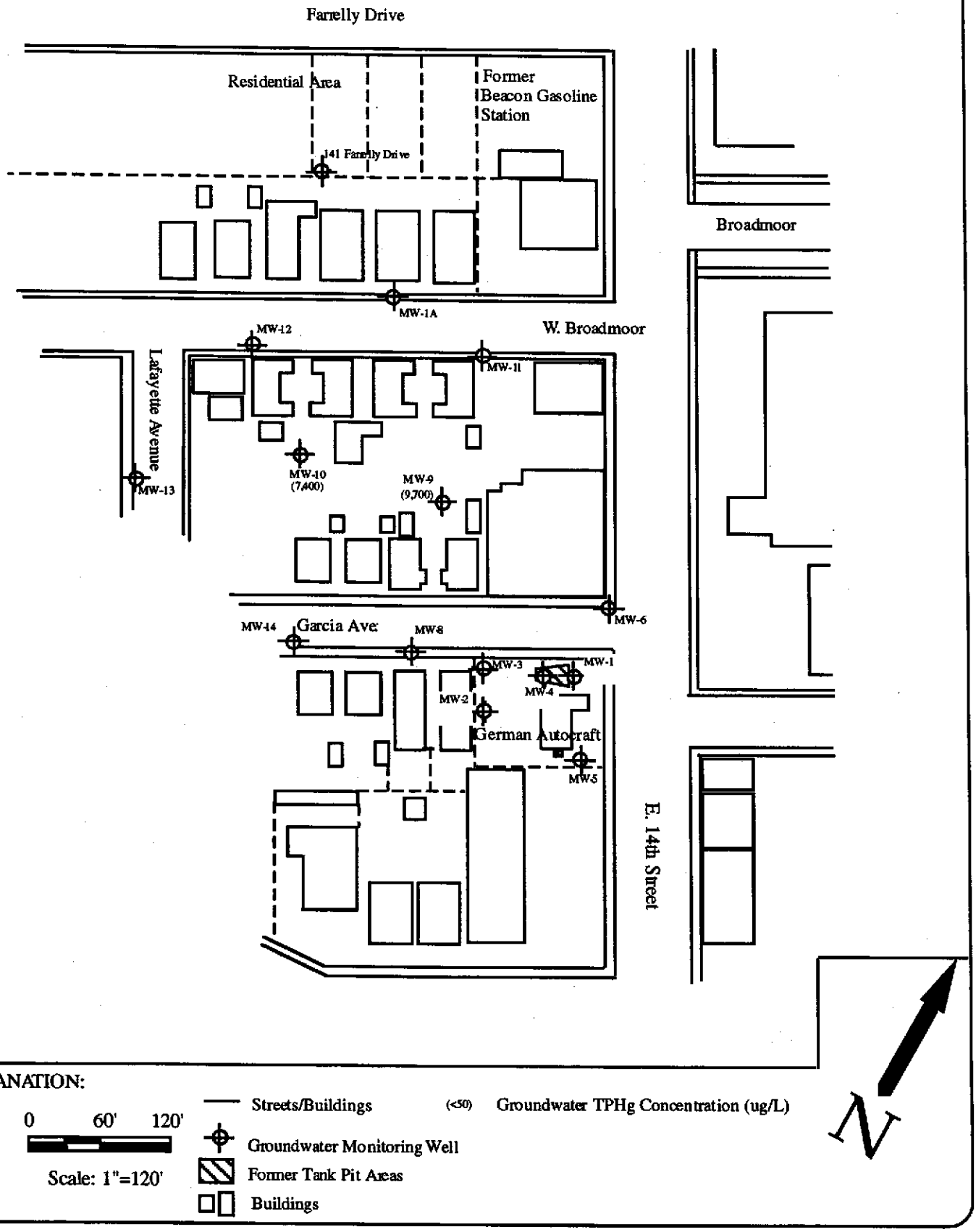


ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112

German Autocraft
301 East 14th Street
San Leandro, California

Figure 2

Date: 3/01

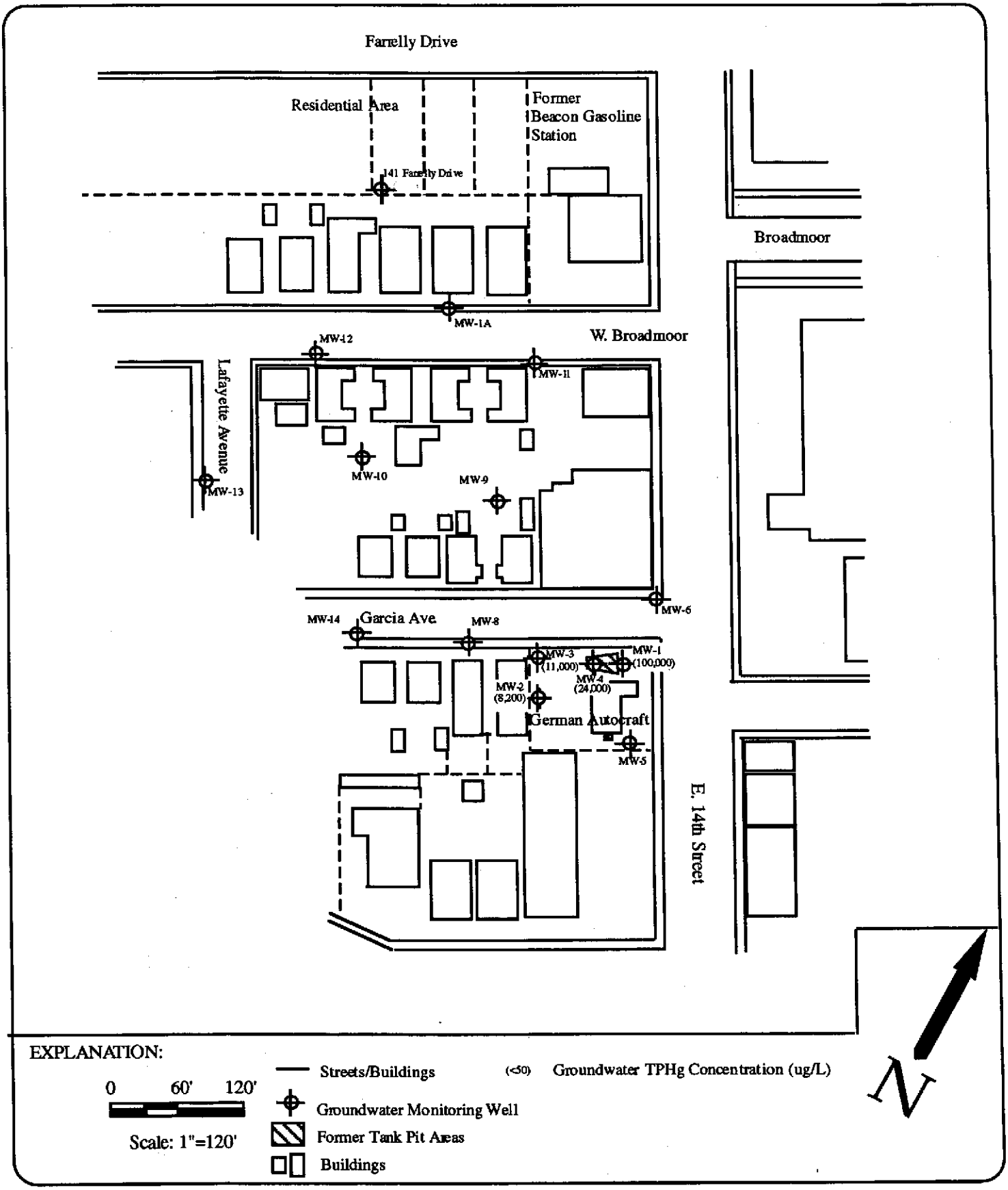


ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
TPHg CONCENTRATIONS (9/30/03)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 4a

Date: 6/04

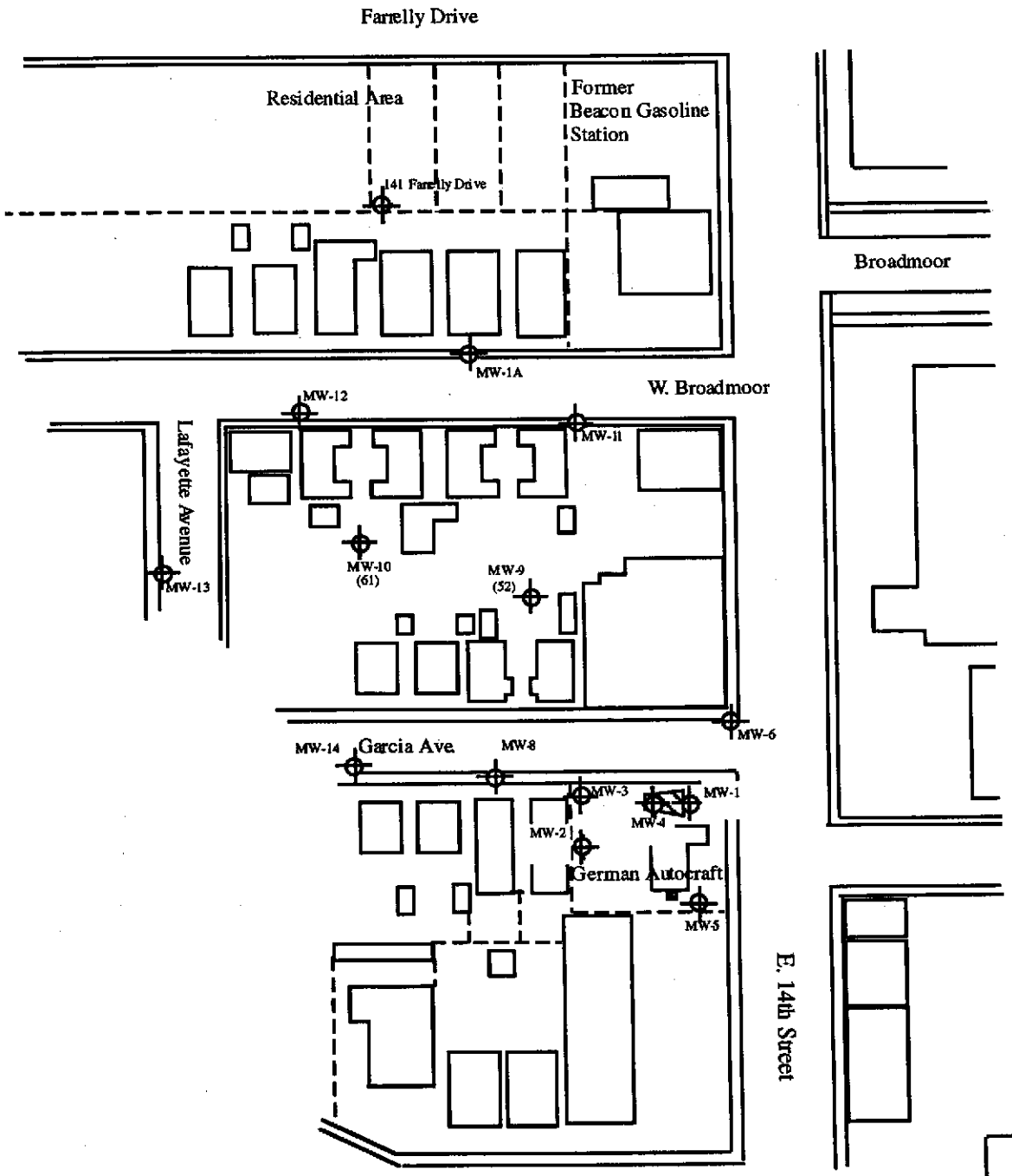


ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
TPHg CONCENTRATIONS (3/31/04)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 4b

Date: 6/04



EXPLANATION:

0 60' 120'

Scale: 1"=120'

Streets/Buildings

Groundwater Monitoring Well

Former Tank Pit Areas

Buildings

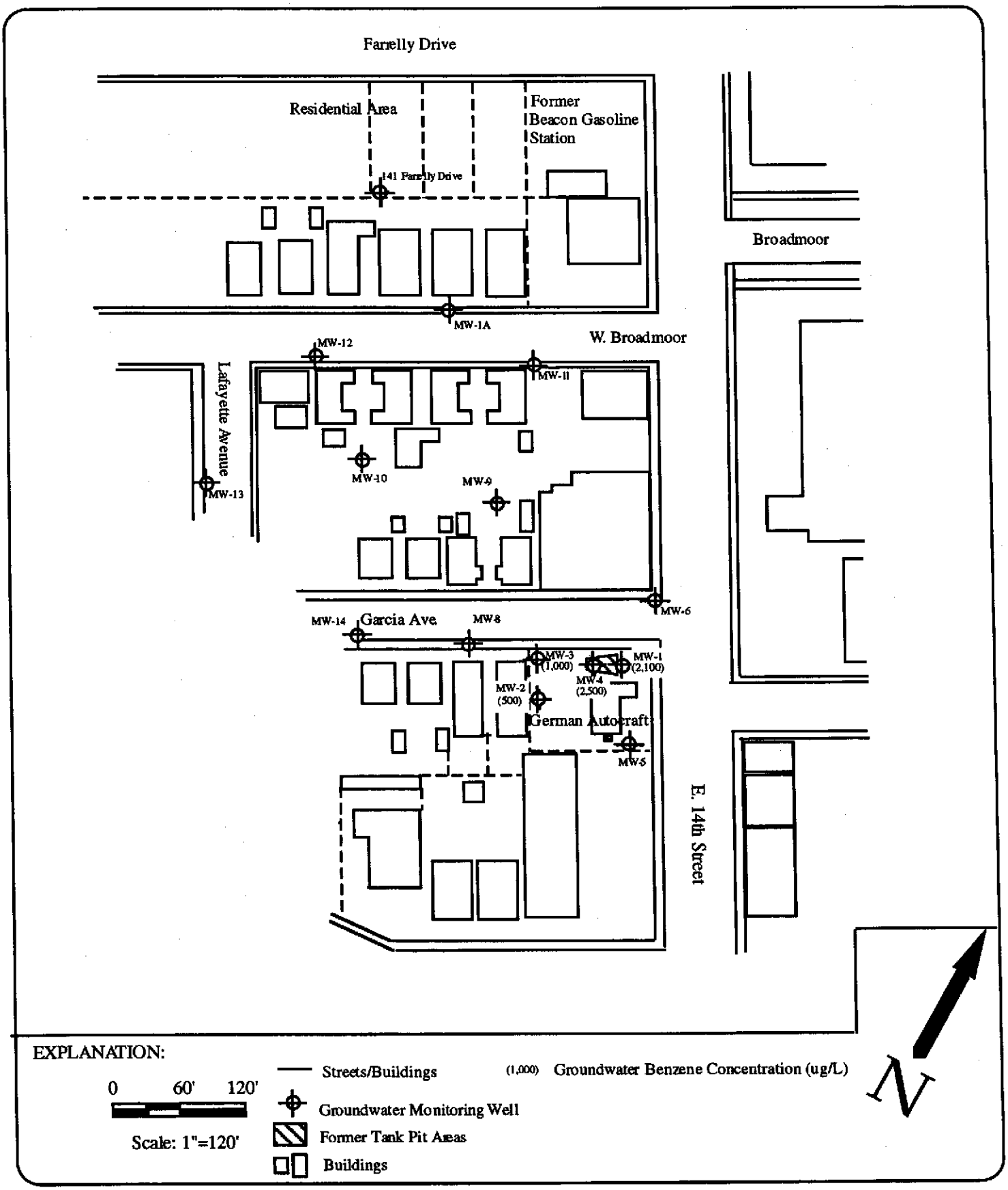
(52) Groundwater Benzene Concentration (ug/L)

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

VICINITY MAP WITH GROUNDWATER BENZENE CONCENTRATIONS (9/30/03)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 5a

Date: 6/04

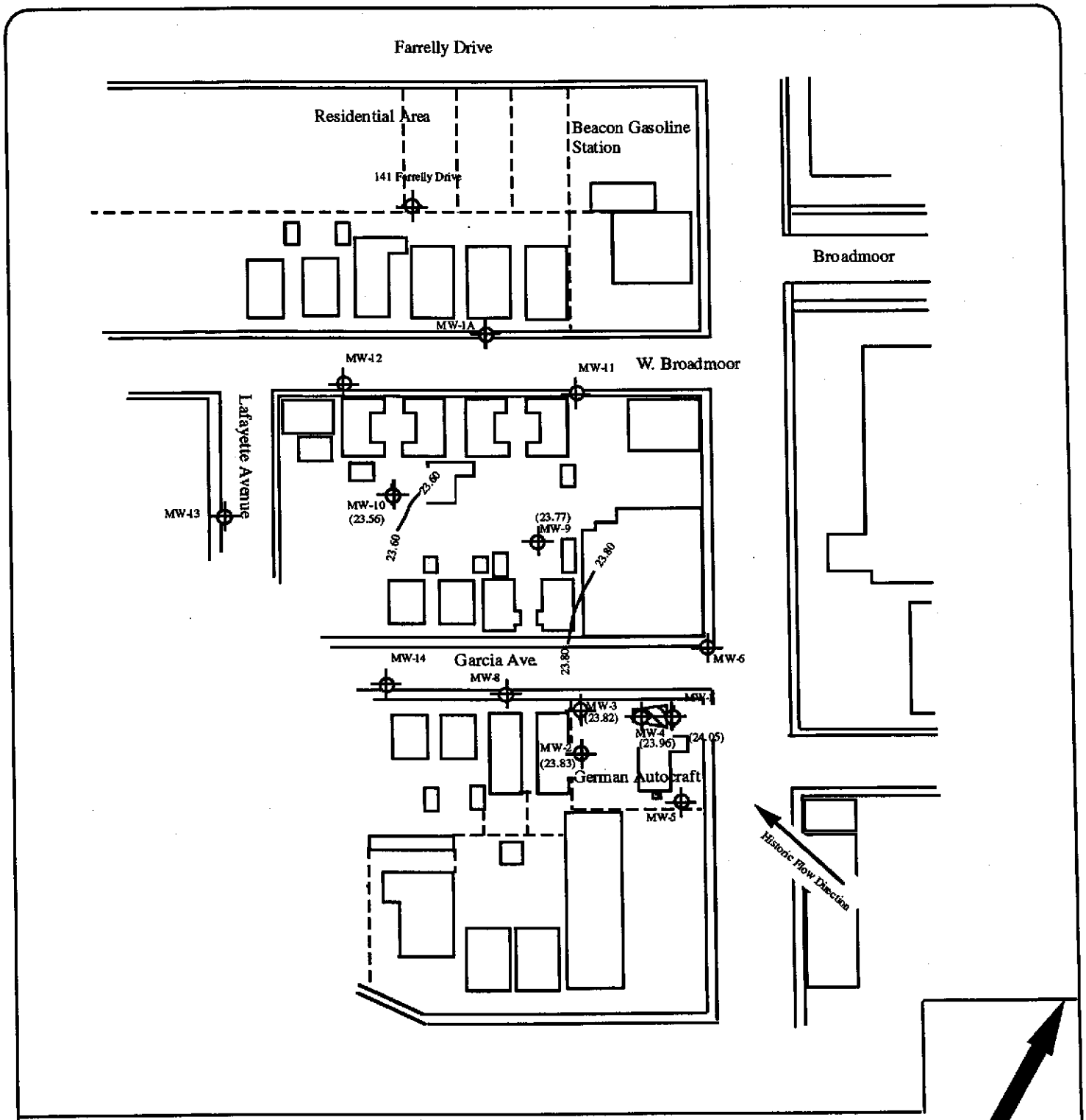


ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112
(408) 453-1800 FAX: (408) 453-1801

VICINITY MAP WITH GROUNDWATER
BENZENE CONCENTRATIONS (3/31/04)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 5b

Date: 6/04

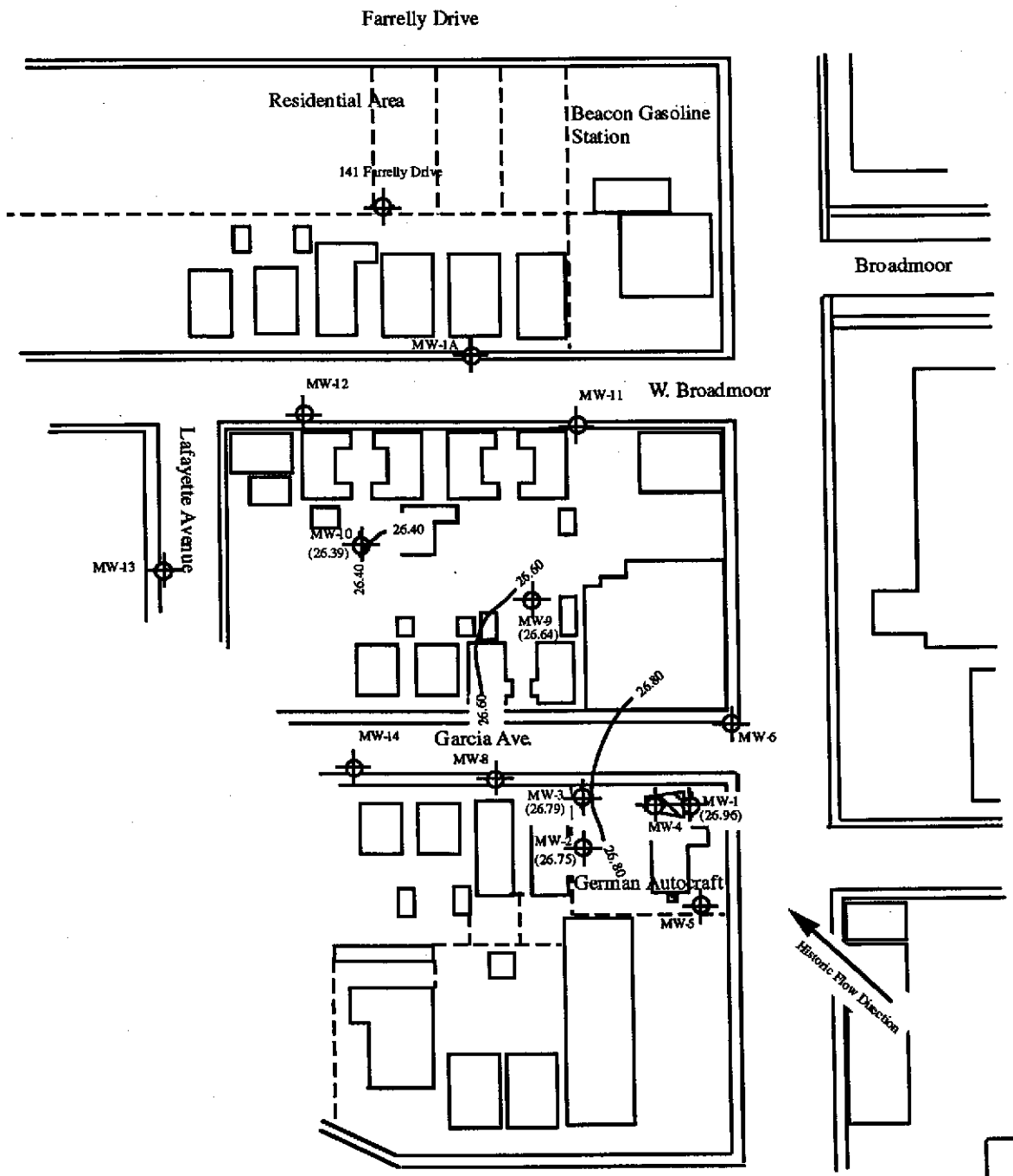


ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112

Groundwater Potentiometric Elevation Map (9/30/03)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 3a

Date: 6/04



EXPLANATION:

0 60' 120'

Scale: 1"=120'

Streets/Buildings

Groundwater Monitoring Well

Former Tank Pit Areas

Buildings

(26.75) Elevation (Feet Above Mean Sea Level)

26.60 Elevation Contour Line

ENVIRONMENTAL TESTING
1792 ROGERS AVENUE
SAN JOSE, CA 95112

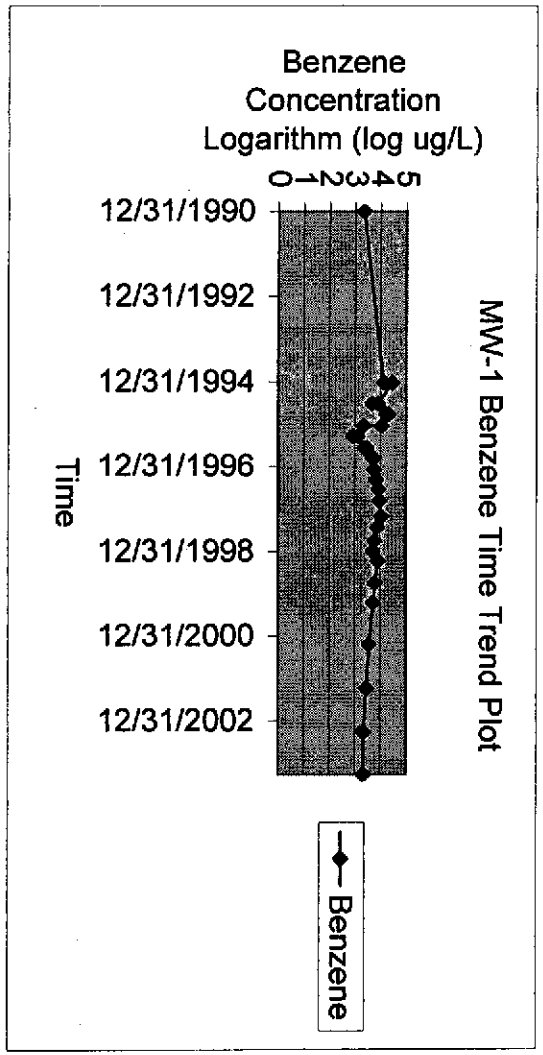
Groundwater Potentiometric Elevation Map (2/10/04)
German Autocraft
301 East 14th Street
San Leandro, California

Figure 3b

Date: 6/04

Figure 6a: Time Trend Plots for MW-1
German Autocraft-301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limit and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/31/1990	51,000	2,200	4.70757	3.342423
1/6/1995	110,000	13,000	5.041393	4.113943
1/6/1995	580,000	29,000	5.763428	4.462398
7/6/1995	49,000	8,000	4.690196	3.90309
7/6/1995	47,000	4,800	4.672098	3.681241
10/2/1995	120,000	16,000	5.079181	4.20412
10/2/1995	160,000	20,000	5.20412	4.30103
1/12/1996	1,100,000	11,000	6.041393	4.041393
1/12/1996	98,000	2,100	4.991226	3.322219
4/13/1996	53,000	1,300	4.724276	3.113943
4/13/1996	58,000	820	4.763428	2.913814
7/26/1996	91,000	2,900	4.959041	3.462398
7/26/1996	67,000	2,300	4.826075	3.361728
10/21/1996	210,000	4,800	5.322219	3.681241
10/21/1996	210,000	5,400	5.322219	3.732394
1/28/1997	120,000	5,600	5.079181	3.748188
1/28/1997	130,000	5,500	5.113943	3.740363
4/25/1997	180,000	6,900	5.255273	3.838849
4/25/1997	170,000	6,500	5.230449	3.812913
7/17/1997	220,000	8,300	5.342423	3.919078
10/21/1997	240,000	9,400	5.380211	3.973128
3/10/1998	120,000	11,000	5.079181	4.041393
6/6/1998	110,000	7,600	5.041393	3.880814
9/30/1998	140,000	5,800	5.146128	3.763428
12/30/1998	78,000	5,200	4.892095	3.716003
3/23/1999	250,000	8,000	5.39794	3.90309
9/29/1999	140,000	6,100	5.146128	3.78533
3/18/2000	120,000	5,100	5.079181	3.70757
3/20/2001	120,000	3,600	5.079181	3.556303
3/28/2002	100,000	2,800	5	3.447158
3/31/2003	100,000	2,200	5	3.342423
3/31/2004	100,000	2,100	5	3.322219


Benzene
Concentration
Logarithm (log ug/L)
0 1 2 3 4 5
12/31/1990
12/31/1992
12/31/1994
12/31/1996
12/31/1998
12/31/2000
12/31/2002
Time
MW-1 Benzene Time Trend Plot
Benzene

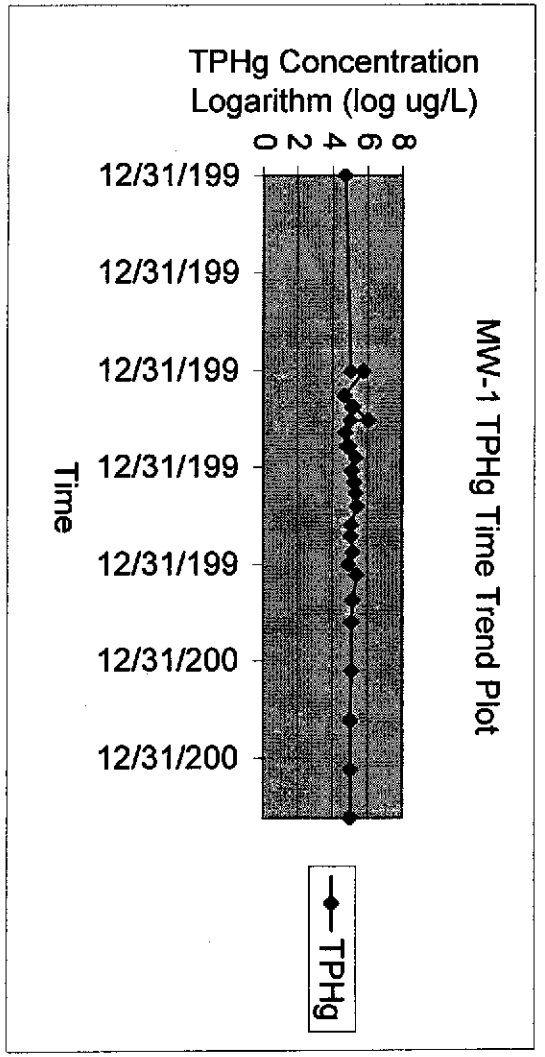
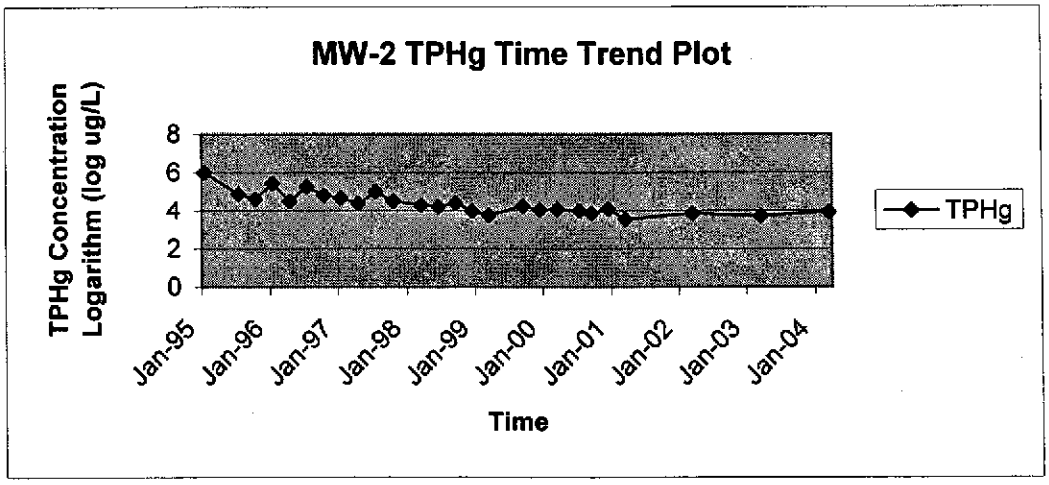

TPHg Concentration
Logarithm (log ug/L)
0 2 4 6 8
12/31/199
12/31/199
12/31/199
12/31/199
12/31/199
12/31/200
12/31/200
Time
MW-1 TPHg Time Trend Plot
TPHg

Figure 6b: Time Trend Plots for MW-2
German Autocraft - 301 E. 14th Steet, San Leandro, CA
Note: Values may represent the average of method detection limit and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
1/6/1995	980,000	9,400	5.991226	3.973128
7/6/1995	71,000	5,300	4.851258	3.724276
10/2/1995	40,000	2,900	4.60206	3.462398
1/12/1996	260,000	2,600	5.414973	3.414973
4/13/1996	30,000	1,900	4.477121	3.278754
7/26/1996	180,000	1,400	5.255273	3.146128
10/21/1996	62,000	2,100	4.792392	3.322219
1/28/1997	46,000	1,500	4.662758	3.176091
4/25/1997	23,000	790	4.361728	2.897627
7/17/1997	95,000	2,200	4.977724	3.342423
10/21/1997	31,000	2,000	4.491362	3.30103
3/10/1998	19,000	730	4.278754	2.863323
6/6/1998	16,000	670	4.20412	2.826075
9/30/1998	24,000	600	4.380211	2.778151
12/30/1998	9,300	510	3.968483	2.70757
3/23/1999	5,700	580	3.755875	2.763428
9/29/1999	17,000	880	4.230449	2.944483
12/29/1999	11,000	800	4.041393	2.90309
3/18/2000	11,000	790	4.041393	2.897627
7/18/2000	10,000	560	4	2.748188
9/26/2000	6,800	450	3.832509	2.653213
12/28/2000	12,000	540	4.079181	2.732394
3/20/2001	3,500	230	3.544068	2.361728
3/28/2002	7,000	570	3.845098	2.755875
3/31/2003	5,000	620	3.69897	2.792392
3/31/2004	8,200	500	3.913814	2.69897


MW-2 TPHg Time Trend Plot
TPHg Concentration Logarithm (log ug/L)
8
6
4
2
0
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Time
TPHg

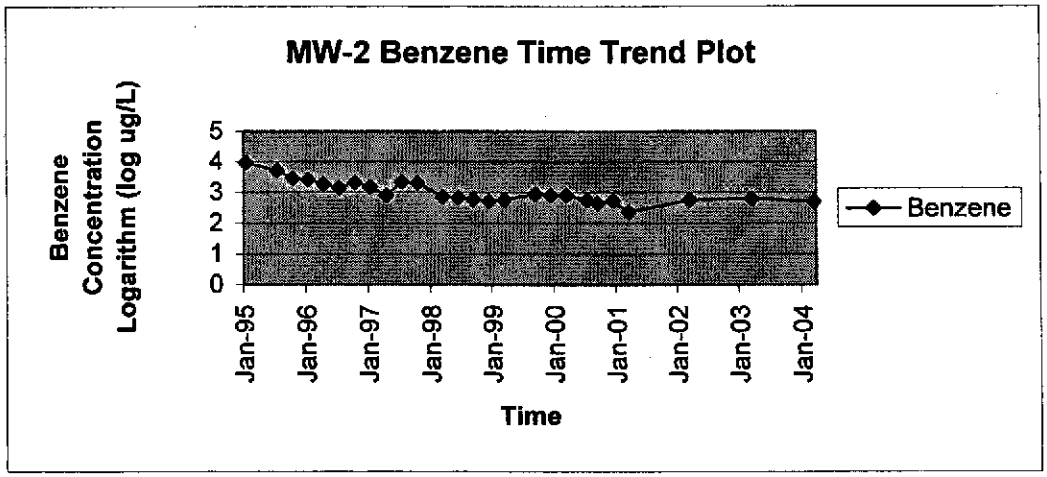

MW-2 Benzene Time Trend Plot
Benzene Concentration Logarithm (log ug/L)
5
4
3
2
1
0
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Time
Benzene

Figure 6c: Time Trend Plots for MW-3
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limit and zero for non-detected results.

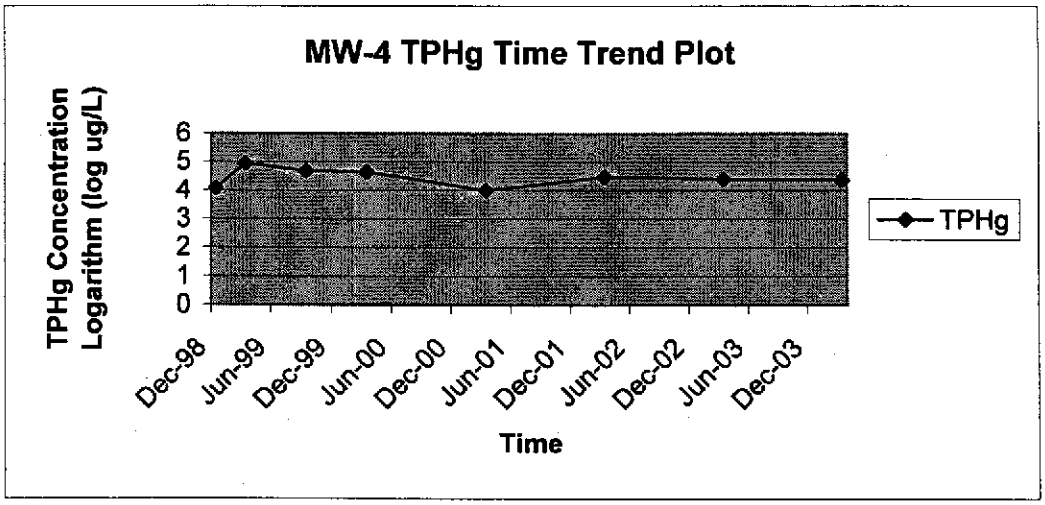
Date	TPHg	Benzene	logTPHg	logBenzene
1/6/1995	740,000	11,000	5.869232	4.041393
7/6/1995	86,000	12,000	4.934498	4.079181
10/2/1995	100,000	15,000	5	4.176091
1/12/1996	84,000	6,500	4.924279	3.812913
4/13/1996	48,000	7,600	4.681241	3.880814
7/26/1996	62,000	6,400	4.792392	3.80618
10/21/1996	110,000	5,400	5.041393	3.732394
1/28/1997	130,000	5,500	5.113943	3.740363
4/25/1997	180,000	6,900	5.255273	3.838849
7/17/1997	69,000	5,100	4.838849	3.70757
10/21/1997	58,000	4,300	4.763428	3.633468
3/10/1998	25,000	3,000	4.39794	3.477121
6/6/1998	52,000	4,400	4.716003	3.643453
9/30/1998	42,000	4,300	4.623249	3.633468
12/30/1998	34,000	4,200	4.531479	3.623249
3/23/1999	44,000	3,500	4.643453	3.544068
9/29/1999	39,000	6,000	4.591065	3.778151
12/29/1999	39,000	4,600	4.591065	3.662758
3/18/2000	21,000	3,100	4.322219	3.491362
7/18/2000	30,000	5,000	4.477121	3.69897
9/26/2000	36,000	5,300	4.556303	3.724276
12/28/2000	33,000	4,700	4.518514	3.672098
3/20/2001	21,000	2,000	4.322219	3.30103
3/28/2002	31,000	4,400	4.491362	3.643453
3/31/2003	25,000	3,200	4.39794	3.50515
3/31/2004	11,000	1,000	4.041393	3

MW-3 TPHg Time Trend Plot
TPHg Concentration Logarithm (log ug/L)
7
6
5
4
3
2
1
0
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Time
TPHg

MW-3 Benzene Tiime Trend Plot
Benzene Concentration Logarithm (log ug/L)
5
4
3
2
1
0
Jan-95
Jan-96
Jan-97
Jan-98
Jan-99
Jan-00
Jan-01
Jan-02
Jan-03
Jan-04
Time
Benzene

Figure 6d: Time Trend Plots for MW-4
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	12,000	1,200	4.079181	3.079181
3/23/1999	89,000	5,900	4.94939	3.770852
9/29/1999	48,000	5,300	4.681241	3.724276
3/18/2000	44,000	4,500	4.643453	3.653213
3/20/2001	10,000	700	4	2.845098
3/28/2002	30,000	3,700	4.477121	3.568202
3/31/2003	25,000	2,000	4.39794	3.30103
3/31/2004	24,000	2,500	4.380211	3.39794



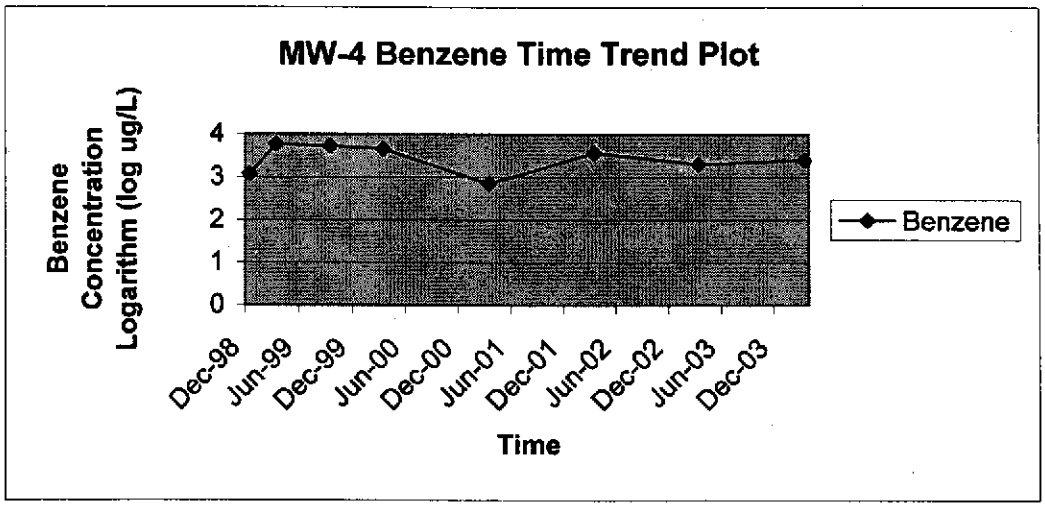
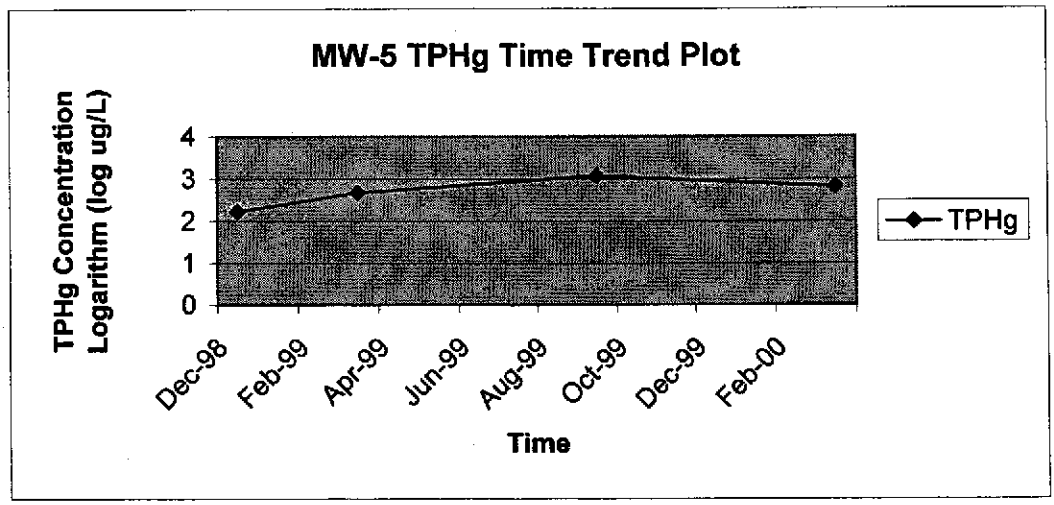


Figure 6e: Time Trend Plots for MW-5
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	170	1.1	2.230449	0.041393
3/22/1999	470	3.8	2.672098	0.579784
9/29/1999	1,200	13	3.079181	1.113943
3/18/2000	660	5.5	2.819544	0.740363



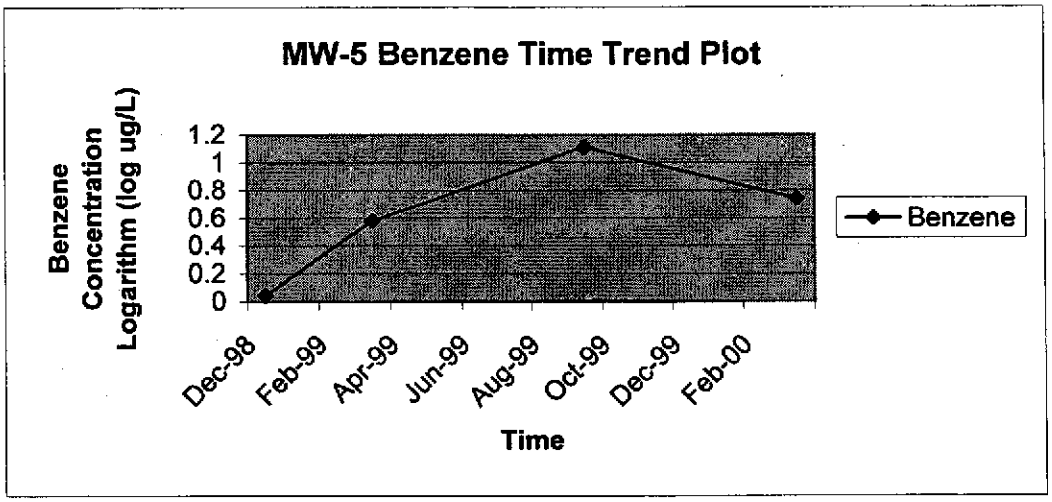
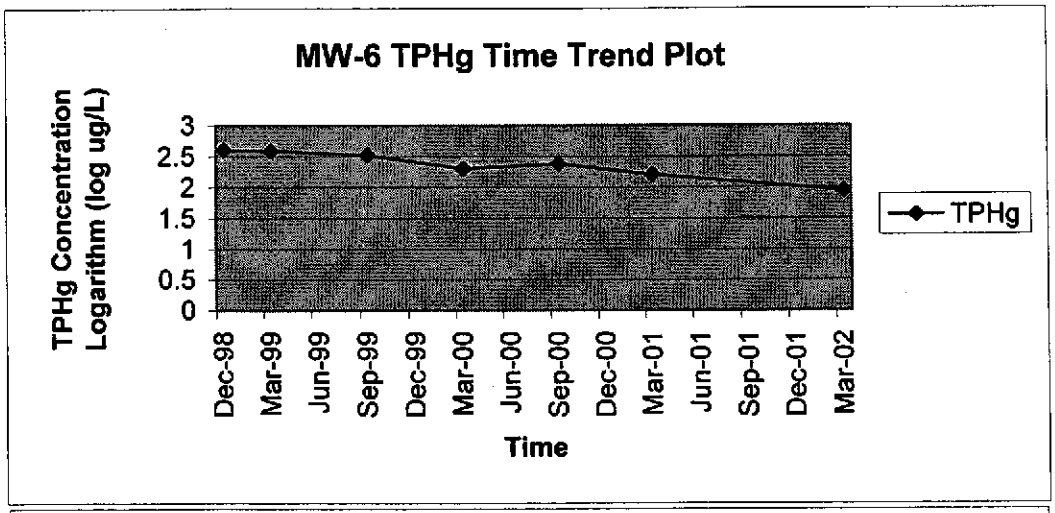


Figure 6f: Time Trend Plots for MW-6
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	400	1	2.60206	0
3/22/1999	390	0.25	2.591065	-0.60206
9/30/1999	330	1.8	2.518514	0.255273
3/18/2000	200	1.3	2.30103	0.113943
9/26/2000	240	1.5	2.380211	0.176091
3/20/2001	160	0.25	2.20412	-0.60206
3/28/2002	88	0.89	1.944483	-0.05061



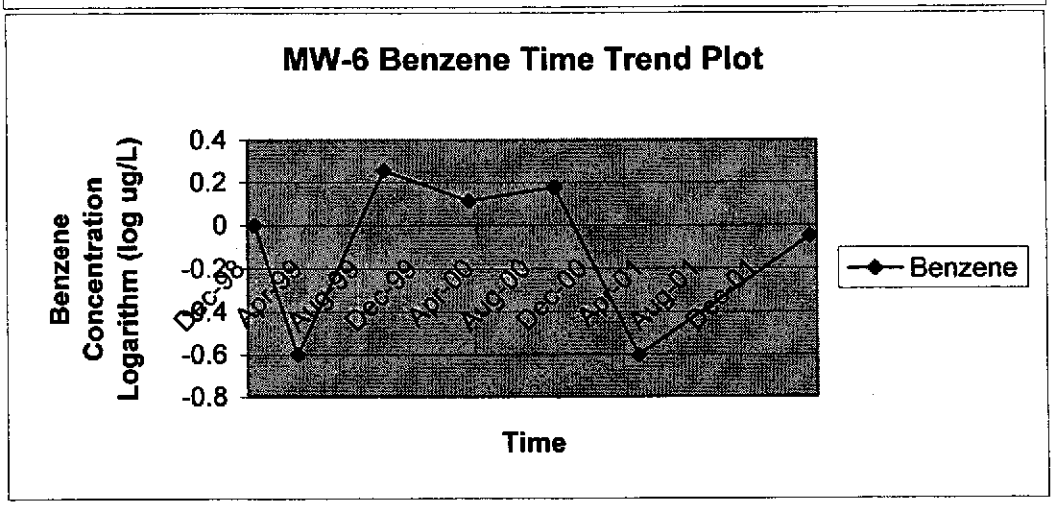
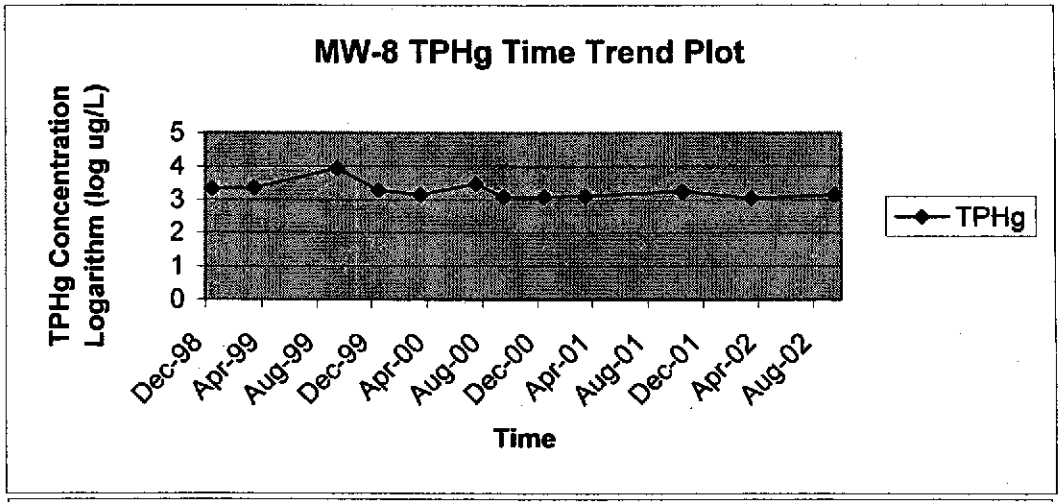


Figure 6g: Time Trend Plots for MW-8
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	2,200	70	3.342423	1.845098
3/23/1999	2,300	34	3.361728	1.531479
9/30/1999	8,800	140	3.944483	2.146128
12/29/1999	1,900	64	3.278754	1.80618
3/18/2000	1,400	36	3.146128	1.556303
7/18/2000	3,000	67	3.477121	1.826075
9/26/2000	1,200	24	3.079181	1.380211
12/28/2000	1,200	47	3.079181	1.672098
3/20/2001	1,300	7.8	3.113943	0.892095
10/15/2001	1,800	28	3.255273	1.447158
3/28/2002	1,100	12	3.041393	1.079181
9/30/2002	1,400	15	3.146128	1.176091



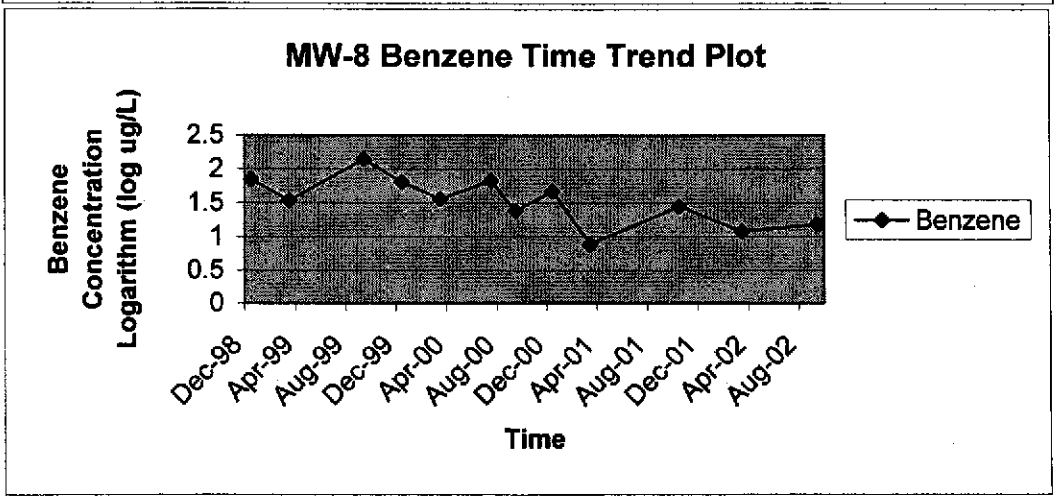
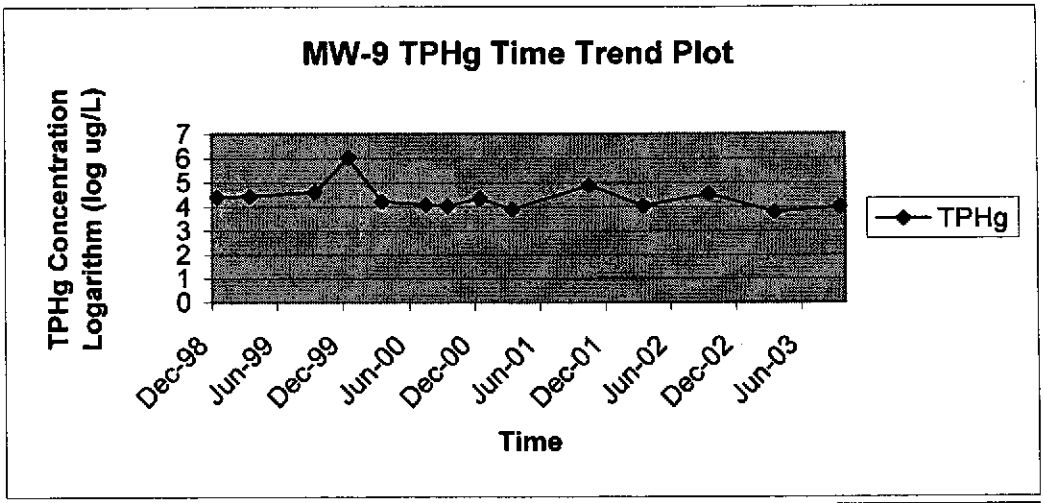


Figure 6h: Time Trend Plots for MW-9
German Autocraft: - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	25,000	23	4.39794	1.361728
3/23/1999	27,000	35	4.431364	1.544068
9/30/1999	42,000	140	4.623249	2.146128
12/29/1999	1,100,000	1,200	6.041393	3.079181
3/18/2000	17,000	89	4.230449	1.94939
7/18/2000	12,000	39	4.079181	1.591065
9/26/2000	11,000	19	4.041393	1.278754
12/28/2000	22,000	100	4.342423	2
3/20/2001	8,200	40	3.913814	1.60206
10/5/2001	77,000	50	4.886491	1.69897
3/28/2002	11,000	34	4.041393	1.531479
9/30/2002	34,000	62.5	4.531479	1.79588
3/31/2003	6,200	6.25	3.792392	0.79588
9/30/2003	9,700	52	3.986772	1.716003



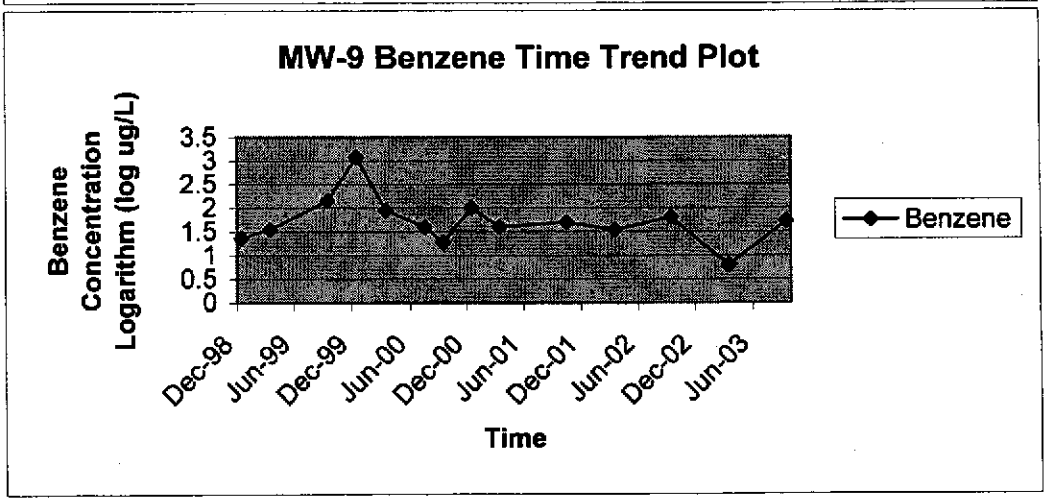
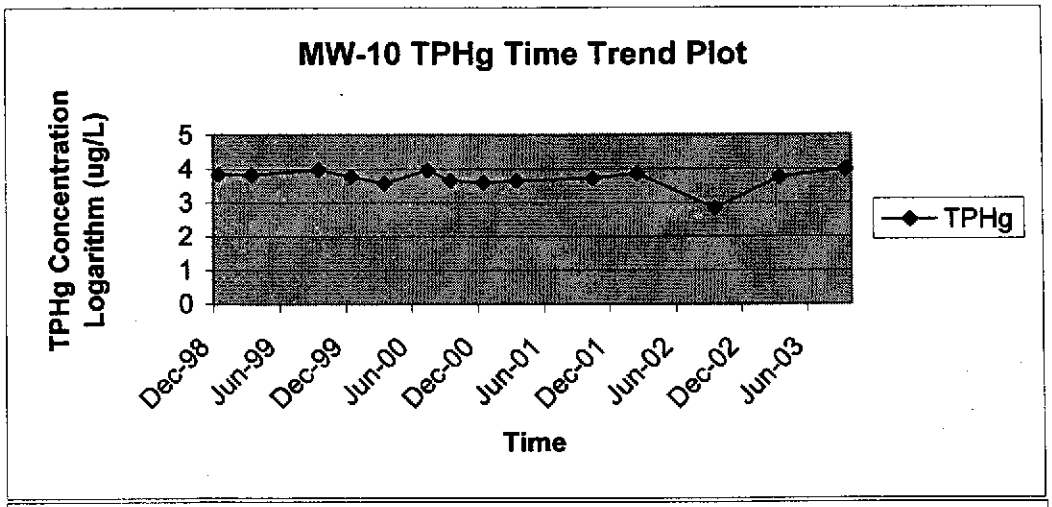


Figure 6i: Time Trend Plots for MW-10
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	6,900	130	3.838849	2.113943
3/23/1999	6,600	150	3.819544	2.176091
9/30/1999	9,300	60	3.968483	1.778151
12/29/1999	5,800	87	3.763428	1.939519
3/18/2000	3,800	180	3.579784	2.255273
7/18/2000	9,100	120	3.959041	2.079181
9/26/2000	4,500	22	3.653213	1.342423
12/28/2000	3,900	55	3.591065	1.740363
3/20/2001	4,500	48	3.653213	1.681241
10/5/2001	5,200	70	3.716003	1.845098
2/28/2002	7,400	45	3.869232	1.653213
9/30/2002	670	54	2.826075	1.732394
3/31/2003	5,700	31	3.755875	1.491362
9/30/2003	9,700	52	3.986772	1.716003



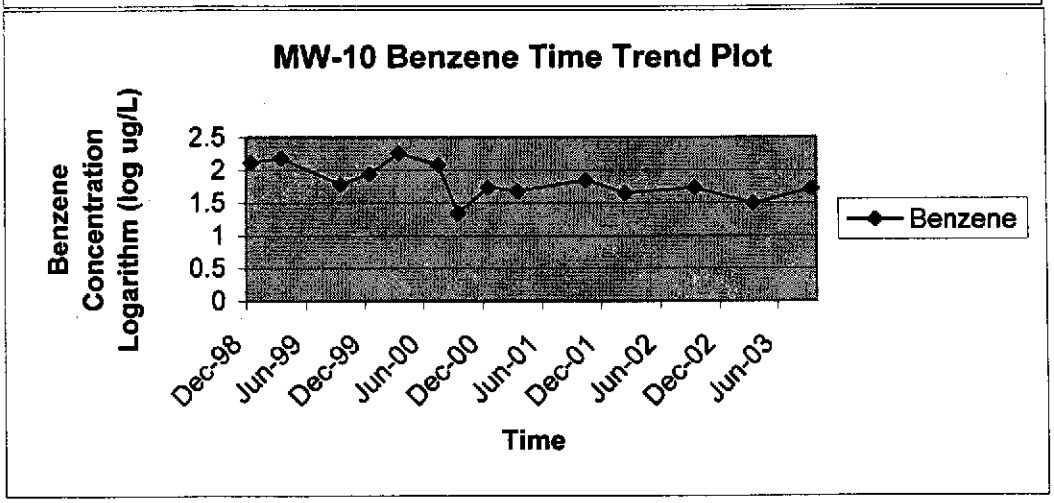
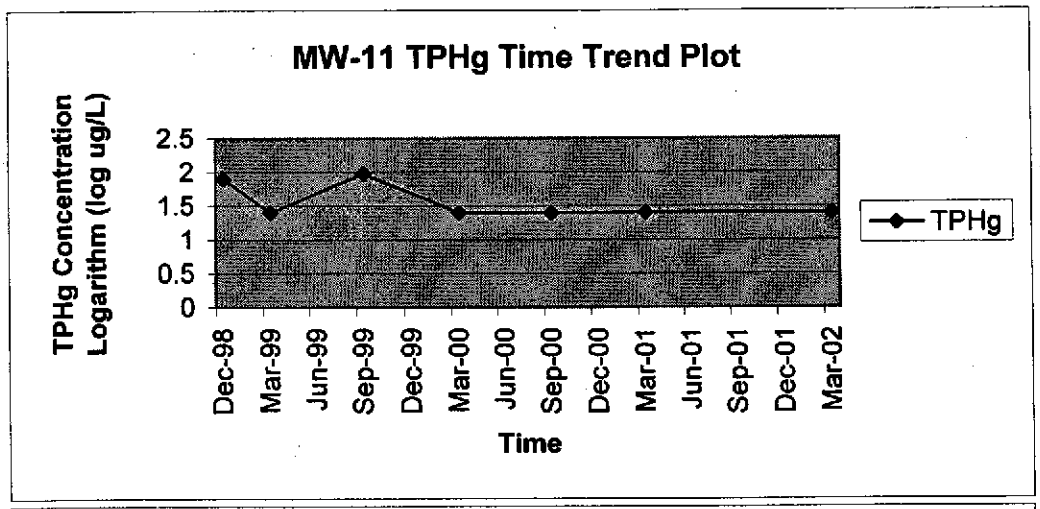


Figure 6j: Time Trend Plots for MW-11
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
12/30/1998	80	0.25	1.90309	-0.60206
3/23/1999	25	0.25	1.39794	-0.60206
9/30/1999	94	0.25	1.973128	-0.60206
3/18/2000	25	0.25	1.39794	-0.60206
9/26/2000	25	0.25	1.39794	-0.60206
3/20/2001	25	0.25	1.39794	-0.60206
3/28/2002	25	0.25	1.39794	-0.60206



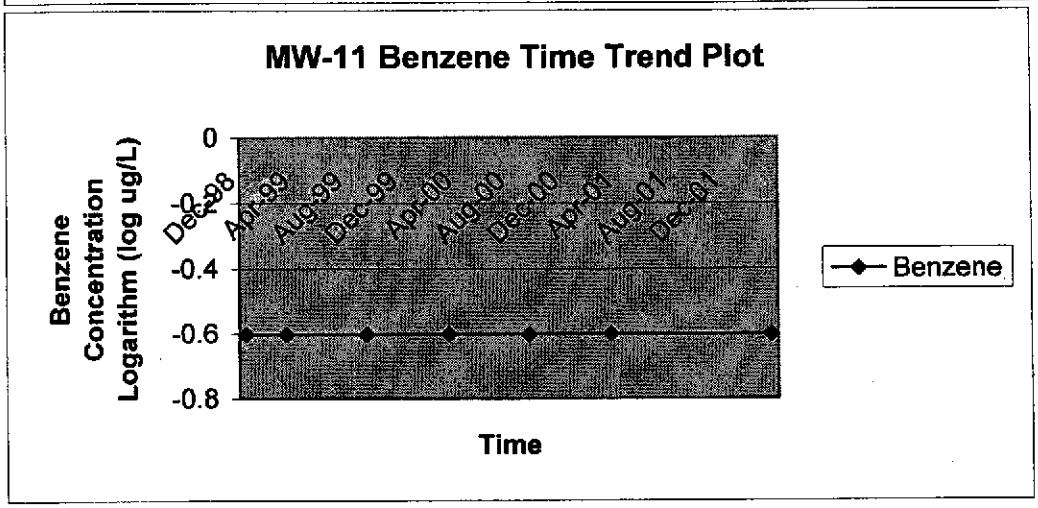
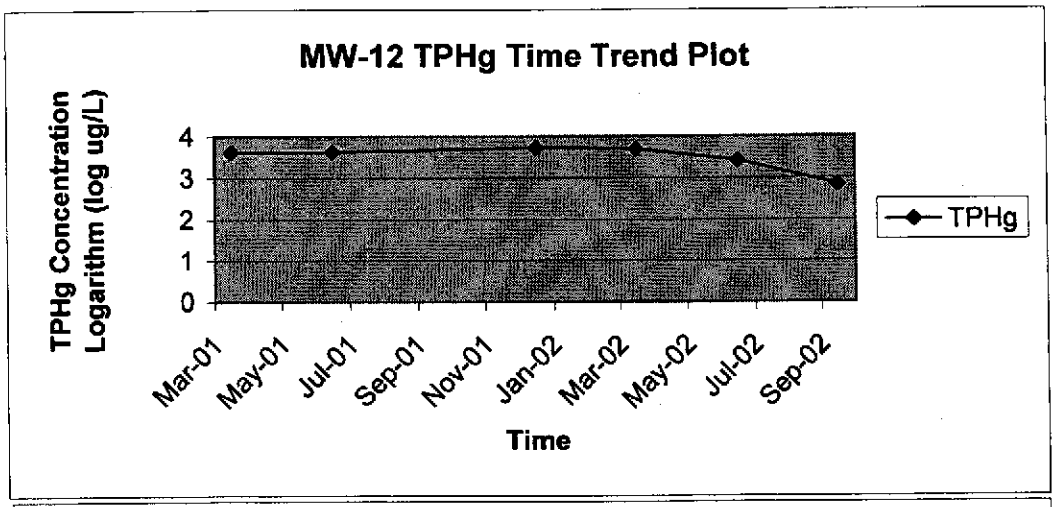


Figure 6k: Time Trend Plots for MW-12
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
3/20/2001	4,100	28	3.612784	1.447158
6/29/2001	4,200	26	3.623249	1.414973
12/21/2001	5,300	9.7	3.724276	0.986772
3/28/2002	4,900	20	3.690196	1.30103
6/28/2002	2,600	29	3.414973	1.462398
9/30/2002	700	16	2.845098	1.20412



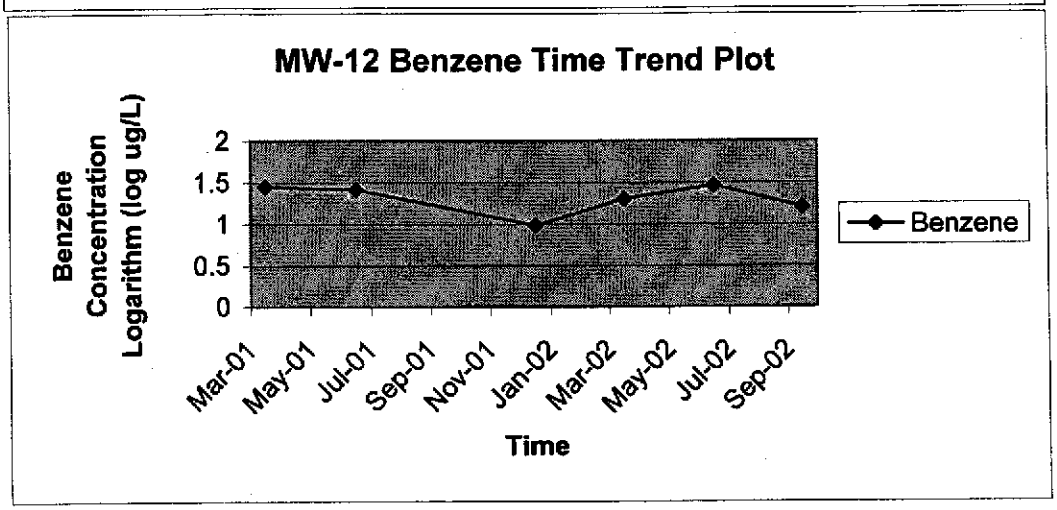
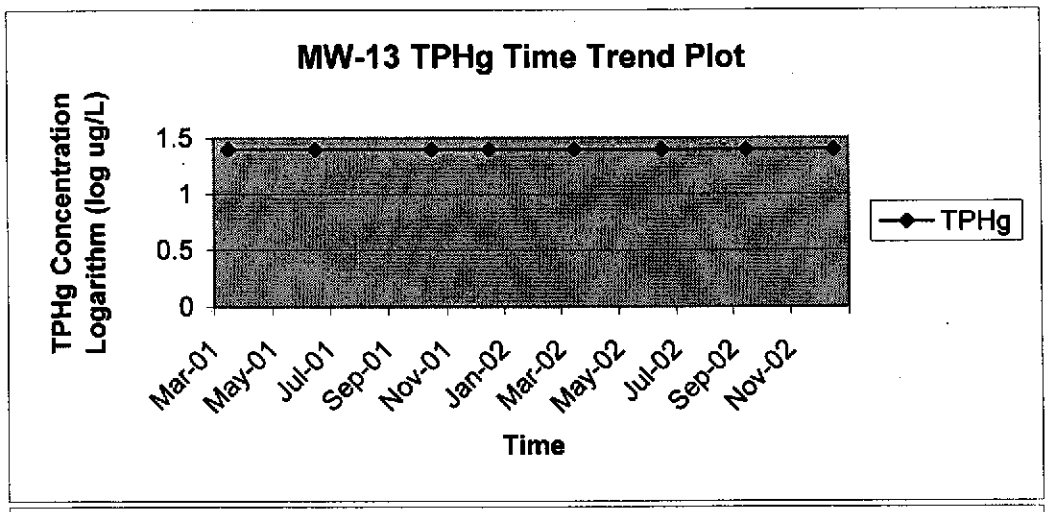


Figure 7I: Time Trend Plots for MW-13
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
3/20/2001	25	0.25	1.39794	-0.60206
6/29/2001	25	0.25	1.39794	-0.60206
10/5/2001	25	0.25	1.39794	-0.60206
12/21/2001	25	0.25	1.39794	-0.60206
3/28/2002	25	0.25	1.39794	-0.60206
6/28/2002	25	0.25	1.39794	-0.60206
9/30/2002	25	0.25	1.39794	-0.60206
12/21/2002	25	0.25	1.39794	-0.60206



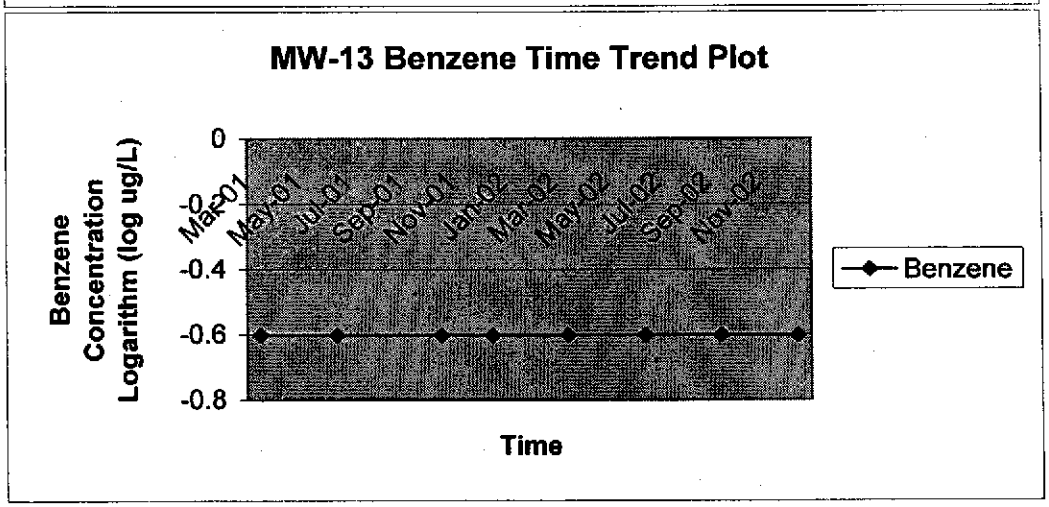
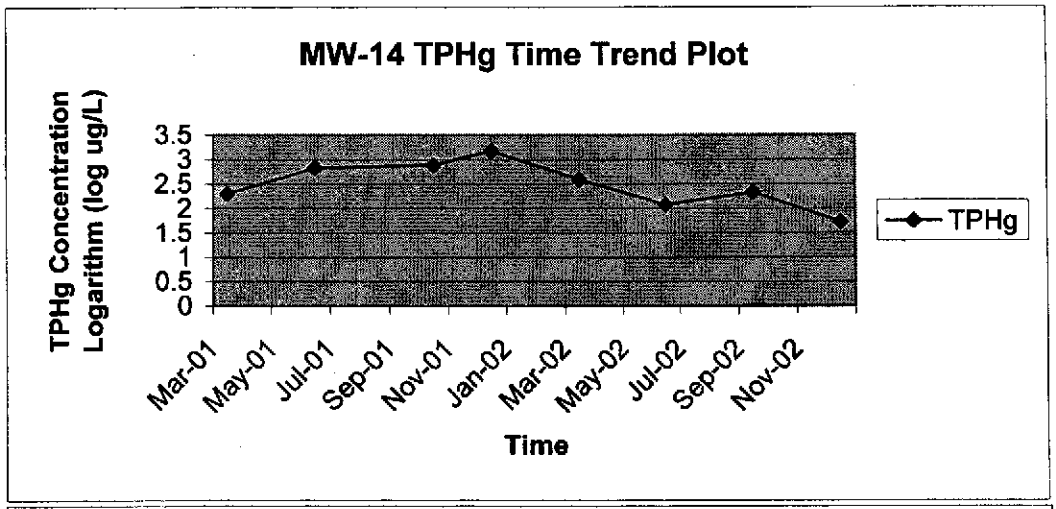


Figure 7m: Time Trend Plots for MW-14
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
3/20/2001	200	0.25	2.30103	-0.60206
6/29/2001	660	0.25	2.819544	-0.60206
10/5/2001	770	1.7	2.886491	0.230449
12/21/2001	1,500	3.1	3.176091	0.491362
3/28/2002	390	1.7	2.591065	0.230449
6/28/2002	120	0.25	2.079181	-0.60206
9/30/2002	210	0.25	2.322219	-0.60206
12/21/2002	53	0.25	1.724276	-0.60206



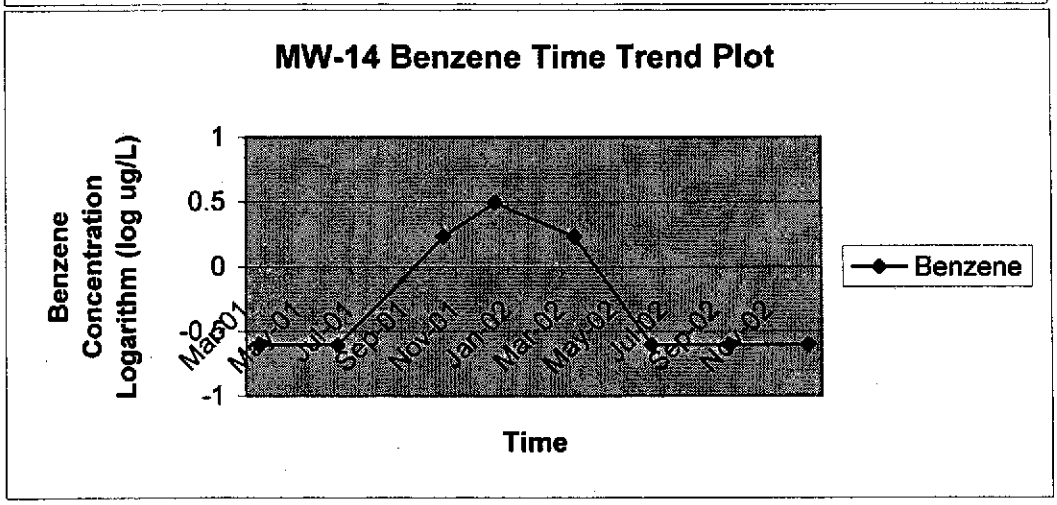
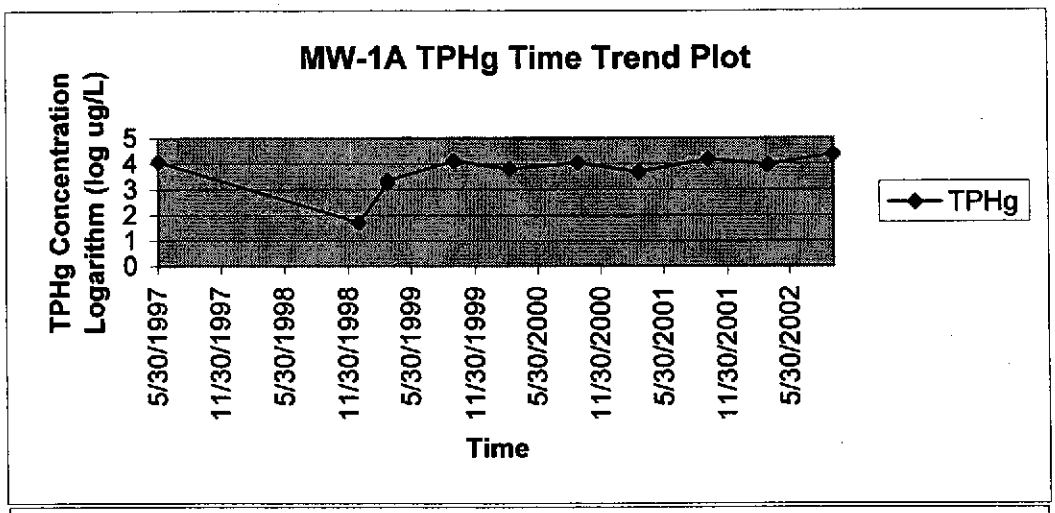


Figure 7n: Time Trend Plots for MW-1A
German Autocraft - 301 E. 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
5/30/1997	12,000	18	4.079181	1.255273
12/30/1998	51	0.25	1.70757	-0.60206
3/23/1999	1,800	4	3.255273	0.60206
3/23/1999	2,200	10	3.342423	1
9/30/1999	13,000	63	4.113943	1.799341
3/8/2000	6,100	36	3.78533	1.556303
9/26/2000	11,000	14	4.041393	1.146128
3/20/2001	4,800	30	3.681241	1.477121
10/5/2001	15,000	76	4.176091	1.880814
3/28/2002	9,300	35	3.968483	1.544068
9/30/2002	23,000	25	4.361728	1.39794



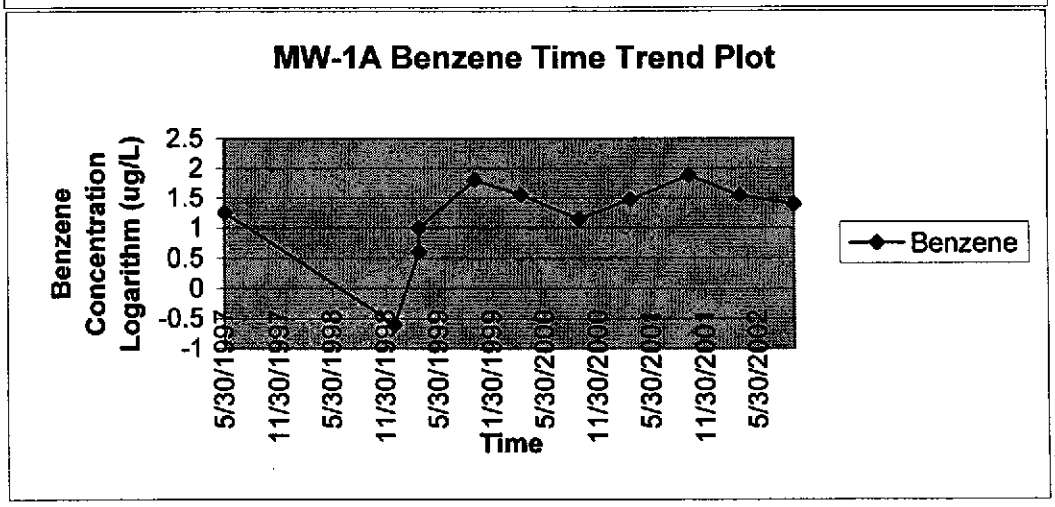
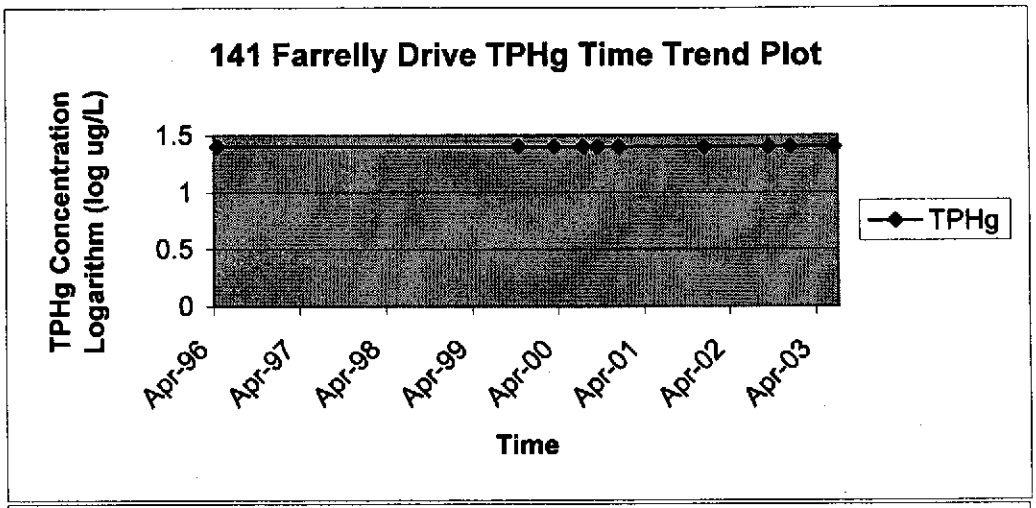
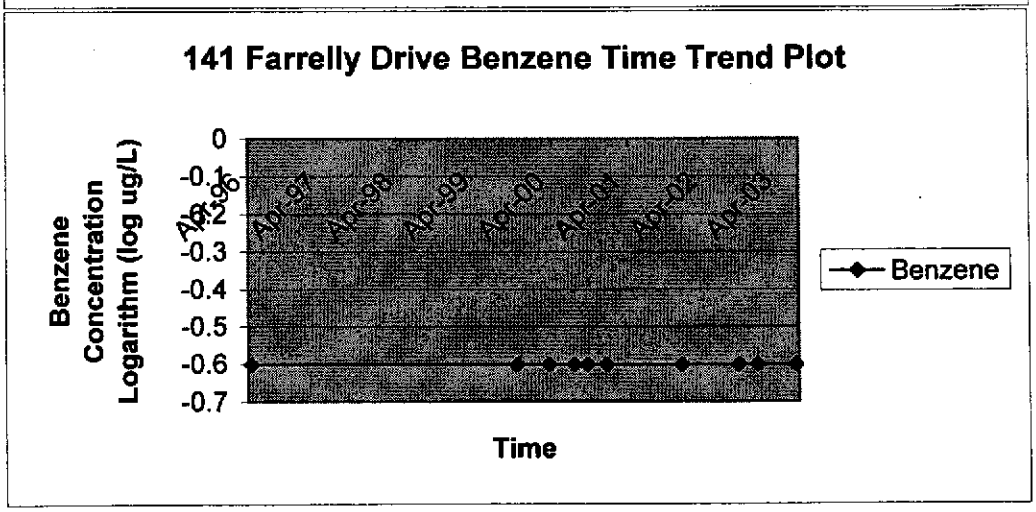


Figure 7o: Time Trend Plots for 141 Farrelly
German Autocraft - 301 14th Street, San Leandro, CA
Note: Values may represent the average of method detection limits and zero for non-detected results.

Date	TPHg	Benzene	logTPHg	logBenzene
4/6/1996	25	0.25	1.39794	-0.60206
10/2/1999	25	0.25	1.39794	-0.60206
3/18/2000	25	0.25	1.39794	-0.60206
7/13/2000	25	0.25	1.39794	-0.60206
9/26/2000	25	0.25	1.39794	-0.60206
12/29/2000	25	0.25	1.39794	-0.60206
12/21/2001	25	0.25	1.39794	-0.60206
9/30/2002	25	0.25	1.39794	-0.60206
12/21/2002	25	0.25	1.39794	-0.60206
6/19/2003	25	0.25	1.39794	-0.60206





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

October 10, 2003

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

Order: 36047
Project Name:
Project Number:
Project Notes:

Date Collected: 9/30/2003
Date Received: 10/3/2003
P.O. Number: Verbal

On October 03, 2003, samples were received under documentented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method
Liquid	Gas/BTEX	EPA 8015 MOD. (Purgeable)
		EPA 8020
	PDF	PDF

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,

Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

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

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

Date: 10/7/03
Date Received: 10/3/03
Project Name:
Project Number:
P.O. Number: Verbal
Sampled By: Tom Price

Certified Analytical Report

Order ID: 36047 **Lab Sample ID:** 36047-001 **Client Sample ID:** MW-9

Sample Time: 4:10 PM **Sample Date:** 9/30/03 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	52		50	0.5	25	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Toluene	ND		50	0.5	25	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Ethyl Benzene	160		50	0.5	25	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Xylenes, Total	87		50	1	50	µg/L	N/A	10/6/03	WGC42947B	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	128.3	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	9700		50	50	2500	µg/L	N/A	10/6/03	WGC42947B	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	154.4	65 - 135
aaa-Trifluorotoluene	97.0	65 - 135

Comment: Reported TPH as Gasoline value contains high boiling hydrocarbon compounds in the TPH as Gasoline quantitation range. High surrogate recovery of 4-BFB due to matrix interference,see TFT result.

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

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

JC 10/7/03
Analyst Date

WJC 10/7/03
Supervisor Date

Entech Analytical Labs, Inc.

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

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

Date: 10/7/03
Date Received: 10/3/03
Project Name:
Project Number:
P.O. Number: Verbal
Sampled By: Tom Price

Certified Analytical Report

Order ID: 36047 **Lab Sample ID:** 36047-002 **Client Sample ID:** MW-10

Sample Time: 3:50 PM **Sample Date:** 9/30/03 **Matrix:** Liquid

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
Benzene	61		100	0.5	50	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Toluene	ND		100	0.5	50	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Ethyl Benzene	ND		100	0.5	50	µg/L	N/A	10/6/03	WGC42947B	EPA 8020
Xylenes, Total	ND		100	1	100	µg/L	N/A	10/6/03	WGC42947B	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	112.2	65 - 135

Parameter	Result	Flag	DF	PQL	DLR	Units	Extraction Date	Analysis Date	QC Batch ID	Method
TPH as Gasoline	7400		100	50	5000	µg/L	N/A	10/6/03	WGC42947B	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	108.4	65 - 135
aaa-Trifluorotoluene	.0	65 - 135

Comment: Reported TPH as Gasoline value contains high boiling hydrocarbon compounds in the TPH as Gasoline quantitation range.

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

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

Analyst 10/7/03 Date

Supervisor 10/7/03 Date

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 #: WGC42947B
Matrix: Liquid
Units: µg/L
Date Analyzed: 10/6/2003

Parameter	Method	Blank Result	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		250		225.2	LCS	90.1			65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	4-Bromofluorobenzene		87.2			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		7.82	LCS	97.8			65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		7.89	LCS	98.6			65.0 - 135.0
Toluene	EPA 8020	ND		8		7.76	LCS	97.0			65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		23.4	LCS	97.5			65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	4-Bromofluorobenzene		102.9			65 - 135					
Test: TPH as Gasoline											
TPH as Gasoline	EPA 8015 M	ND		250		219.2	LCSD	87.7	2.70	25.00	65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	4-Bromofluorobenzene		89.1			65 - 135					
Test: BTEX											
Benzene	EPA 8020	ND		8		8.06	LCSD	100.8	3.02	25.00	65.0 - 135.0
Ethyl Benzene	EPA 8020	ND		8		8.19	LCSD	102.4	3.73	25.00	65.0 - 135.0
Toluene	EPA 8020	ND		8		7.94	LCSD	99.3	2.29	25.00	65.0 - 135.0
Xylenes, total	EPA 8020	ND		24		24.4	LCSD	101.7	4.18	25.00	65.0 - 135.0
	Surrogate		**Surrogate Recovery**			**Control Limits (%)**					
	4-Bromofluorobenzene		104.8			65 - 135					

Entech Analytical Labs, Inc.

525 Del Rey, Suite E ~~(408) 735-1550~~ 588-0800
Sunnyvale, CA 94086 ~~(408) 735-1554 Fax~~

Chain of Custody / Analysis Request

Send Report to: Tom Price	Phone No. 408/453-1800	Send Invoice to (if Different)	Phone No.
Client Environmental Testing	Fax No.	Company	Purchase Order No.
Mailing Address 1792 Rogers Ave		Billing Address (If Different)	
City San Jose	State CA Zip 95112	City	State / Zip
Sampler / Project Name / Project No.		Turn Around Time: ☒ Standard ☐ 4 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day ☐ Same Day	

Order ID:		Sampling		No. Containers					Pres.	Matrix	Requested Analyses
Lab #	Client ID	Date	Time	Voa	Amb	Poly	Sleeve	Other		Solid, Liquid, Wipe, Oil, Air	TPH Gas/BTEX (8015M/8020)
	mw-9	9/30/03	4:10p	✓		3			6047-001		✓
	mw-10	"	3:55p.	✓					002		✓

Requested Analyses: MTBE (EPA 8020); TPH Diesel (8015M); EPA 8260B; MTBE (EPA 8260B); OXY by 8260B; EPA 8010 ☐ Freon 113; EPA 8270; Pesticides (EPA 8081); PCBs (EPA 8082); Wet Total TCLP ☐☐☐; CAM-17 (Title 22) ☐☐☐; Cd, Cr, Ni, Pb, Zn ☐☐☐; PPM-13 Metals ☐☐☐; Lead ☐☐☐; Cd, Cr, Cu, Pb, Ni, Ag, Zn

Relenquished by:	Received by:	Date	Time
Tom Price	Thang Price	10/3/03	6:40a
Kathy Price	S Machado	10/3/03	1310
Relenquished by:	Received by:	Date	Time

Special Instructions or Comments

☐ NPDES Detection Limits

* please provide 5 day TAT at no extra charge - Thx. Tom

Entech Analytical Labs, Inc.

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

April 09, 2004

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

Order: 38523
Project Name: GA
Project Number:
Project Notes:

Date Collected: 3/31/2004
Date Received: 4/2/2004
P.O. Number: GA

On April 02, 2004, samples were received under documented chain of custody. Results for the following analyses are attached:

Matrix	Test	Method	Comments
Liquid	Gas/BTEX	EPA 8015 MOD. (Purgeab	
		EPA 8020	
	PDF	PDF	

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,

Patti Sandrock
QA/QC Manager

Entech Analytical Labs, Inc.

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

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

Date: 4/8/2004
Date Received: 4/2/2004
Project Name: GA
Project Number:
P.O. Number: GA
Sampled By: Client

Certified Analytical Report

Laboratory ID: 38523-001 **Sample ID:** MW-1 **Matrix:** Liquid **Sample Date:** 3/31/2004 3:20 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	100000		500	50	25000	µg/L	4/5/2004	WGC63098	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107.5	65 - 135

Benzene	2100		500	0.5	250	µg/L	4/5/2004	WGC63098	EPA 8020
Toluene	21000		500	0.5	250	µg/L	4/5/2004	WGC63098	EPA 8020
Ethyl Benzene	6200		500	0.5	250	µg/L	4/5/2004	WGC63098	EPA 8020
Xylenes, Total	36000		500	1	500	µg/L	4/5/2004	WGC63098	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101.3	65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)
Analyst: MRUAN - 04/05/04
Supervisor: MTU - 04/08/04
Manager: LGLANTZ - 04/08/04

ND = Not Detected at or above the PQL
PQL = Practical Quantitation Limit (No Dilution)
DF = Dilution Factor
PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Entech Analytical Labs, Inc.

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

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

Date: 4/8/2004
Date Received: 4/2/2004
Project Name: GA
Project Number:
P.O. Number: GA
Sampled By: Client

Certified Analytical Report

Laboratory ID: 38523-002 **Sample ID:** MW-2 **Matrix:** Liquid **Sample Date:** 3/31/2004 3:45 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	8200		25	50	1250	µg/L	4/5/2004	WGC63098	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	119.8	65 - 135

Benzene	500	25	0.5	12.5	µg/L	4/5/2004	WGC63098	EPA 8020
Toluene	ND	25	0.5	12.5	µg/L	4/5/2004	WGC63098	EPA 8020
Ethyl Benzene	65	25	0.5	12.5	µg/L	4/5/2004	WGC63098	EPA 8020
Xylenes, Total	ND	25	1	25	µg/L	4/5/2004	WGC63098	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	85.9	65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)
Analyst: MRUAN - 04/06/04
Supervisor: MTU - 04/08/04
Manager: LGLANTZ - 04/08/04

ND = Not Detected at or above the PQL
PQL = Practical Quantitation Limit (No Dilution)
DF = Dilution Factor
PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Entech Analytical Labs, Inc.

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

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

Date: 4/8/2004
Date Received: 4/2/2004
Project Name: GA
Project Number:
P.O. Number: GA
Sampled By: Client

Certified Analytical Report

Laboratory ID: 38523-003 **Sample ID:** MW-3 **Matrix:** Liquid **Sample Date:** 3/31/2004 4:10 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	11000		100	50	5000	µg/L	4/5/2004	WGC63098	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	87.2	65 - 135

Benzene	1000	100	0.5	50	µg/L	4/5/2004	WGC63098	EPA 8020
Toluene	940	100	0.5	50	µg/L	4/5/2004	WGC63098	EPA 8020
Ethyl Benzene	550	100	0.5	50	µg/L	4/5/2004	WGC63098	EPA 8020
Xylenes, Total	1900	100	1	100	µg/L	4/5/2004	WGC63098	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.5	65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)
Analyst: MRUAN - 04/06/04
Supervisor: MTU - 04/08/04
Manager: LGLANTZ - 04/08/04

ND = Not Detected at or above the PQL
PQL = Practical Quantitation Limit (No Dilution)
DF = Dilution Factor
PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Entech Analytical Labs, Inc.

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

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

Date: 4/8/2004
Date Received: 4/2/2004
Project Name: GA
Project Number:
P.O. Number: GA
Sampled By: Client

Certified Analytical Report

Laboratory ID: 38523-004 **Sample ID:** MW-4 **Matrix:** Liquid **Sample Date:** 3/31/2004 3:35 PM

Parameter	Result	Flag	DF	PQL	PQLR	Units	Analysis Date	QC Batch ID	Method
TPH as Gasoline	24000		250	50	12500	µg/L	4/5/2004	WGC63098	EPA 8015 MOD. (Purgeable)

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	84.0	65 - 135

Benzene	2500	250	0.5	125	µg/L	4/5/2004	WGC63098	EPA 8020
Toluene	200	250	0.5	125	µg/L	4/5/2004	WGC63098	EPA 8020
Ethyl Benzene	1400	250	0.5	125	µg/L	4/5/2004	WGC63098	EPA 8020
Xylenes, Total	2800	250	1	250	µg/L	4/5/2004	WGC63098	EPA 8020

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	85.8	65 - 135

Analysis performed by Entech Analytical Labs, Inc. (CA ELAP #2346)
Analyst: MRUAN - 04/06/04
Supervisor: MTU - 04/08/04
Manager: LGLANTZ - 04/08/04

ND = Not Detected at or above the PQL
PQL = Practical Quantitation Limit (No Dilution)
DF = Dilution Factor
PQLR = Practical Quantitation Limit for Reporting (Includes Dilution)

Entech Analytical Labs, Inc.

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

Quality Control - Method Blank

Prep Batch ID:
Prep Date:

QC Batch ID: WGC63098
Matrix: Liquid

Method: EPA 8015 MOD. (Purgeable)

Analysis Date: 4/5/2004

Parameter	Result	DF	PQL	DLR	Units
TPH as Gasoline	ND	1	50	50	µg/L

Surrogate	Surrogate Recovery	Control Limits (%
4-Bromofluorobenzene	97.4	65 - 135

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

QC Reviewed by: _____

Method: EPA 8020

Analysis Date: 4/5/2004

Parameter	Result	DF	PQL	DLR	Units
Benzene	ND	1	0.5	0.5	µg/L
Ethyl Benzene	ND	1	0.5	0.5	µg/L
Toluene	ND	1	0.5	0.5	µg/L
Xylenes, Total	ND	1	1	1	µg/L

Surrogate	Surrogate Recovery	Control Limits (%
4-Bromofluorobenzene	86.9	65 - 135

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

QC Reviewed by: _____

Entech Analytical Labs, Inc.

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

Quality Control - Laboratory Control Spike / Duplicate Results

Prep Batch ID: | **Conc. Units:** µg/L | **QC Batch ID:** WGC63098

Prep Date: | **Analysis Date:** 4/5/2004 | **Matrix:** Liquid

Method EPA 8015 MOD. (Purgeable)

Parameter	Blank Result	Spike Amount	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
LCS								
TPH as Gasoline	ND	250.	235.1	LCS	**94.0**			65 - 135
Surrogate	**Surrogate Recovery**		**Control Limits (%)**					
4-Bromofluorobenzene	105.1		65 - 135					
LCSD								
TPH as Gasoline	ND	250.	243.5	LCSD	**97.4**	**3.5**	25	65 - 135
Surrogate	**Surrogate Recovery**		**Control Limits (%)**					
4-Bromofluorobenzene	101.1		65 - 135					

Method EPA 8020

Parameter	Blank Result	Spike Amount	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
LCS								
Benzene	ND	8.	7.83	LCS	**97.9**			65 - 135
Ethyl Benzene	ND	8.	7.73	LCS	**96.6**			65 - 135
Toluene	ND	8.	7.53	LCS	**94.1**			65 - 135
Xylenes, total	ND	24.	22.18	LCS	**92.4**			65 - 135
Surrogate	**Surrogate Recovery**		**Control Limits (%)**					
4-Bromofluorobenzene	101.5		65 - 135					
LCSD								
Benzene	ND	8.	7.32	LCSD	**91.5**	**6.7**	25	65 - 135
Ethyl Benzene	ND	8.	8.07	LCSD	**100.9**	**4.3**	25	65 - 135
Toluene	ND	8.	7.54	LCSD	**94.3**	**0.1**	25	65 - 135
Xylenes, total	ND	24.	21.97	LCSD	**91.5**	**1.0**	25	65 - 135
Surrogate	**Surrogate Recovery**		**Control Limits (%)**					
4-Bromofluorobenzene	93.4		65 - 135					

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

QC Reviewed by: 

Entech Analytical Labs, Inc.

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

Quality Control - Matrix Spike / Duplicate Results

Prep Batch ID: | **Conc. Units:** µg/L | **QC Batch ID:** WGC63098

Prep Date: | **Analysis Date:** 4/5/2004 | **Matrix:** Liquid

Method EPA 8015 MOD. (Purgeable)

Parameter	Blank Result	Spike Amount	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
MS SampleNumber: 38521-004								
TPH as Gasoline	ND	250.	257.02	MS	**102.8**			65 - 135

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106.0	65 - 135

MSD SampleNumber: 38521-004								
TPH as Gasoline	ND	250.	249.7	MSD	**99.9**	**2.9**	25	65 - 135

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107.1	65 - 135

Method EPA 8020

Parameter	Blank Result	Spike Amount	Spike Result	QC Type	% Recovery	RPD	RPD Limits	Recovery Limits
MS SampleNumber: 38521-004								
Benzene	ND	2.8	2.34	MS	**83.2**			65 - 135
Ethyl Benzene	ND	3.7	3.63	MS	**98.9**			65 - 135
Toluene	ND	16.4	19.27	MS	**117.3**			65 - 135
Xylenes, total	ND	19.5	18.65	MS	**95.4**			65 - 135

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106.9	65 - 135

MSD SampleNumber: 38521-004								
Benzene	ND	2.8	2.08	MSD	**74.0**	**11.8**	25	65 - 135
Ethyl Benzene	ND	3.7	3.1	MSD	**84.5**	**15.8**	25	65 - 135
Toluene	ND	16.4	16.	MSD	**97.4**	**18.5**	25	65 - 135
Xylenes, total	ND	19.5	16.43	MSD	**84.1**	**12.7**	25	65 - 135

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.7	65 - 135

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

QC Reviewed by: _____

Entech Analytical Labs, Inc.

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

Chain of Custody / Analysis Request

Attention to: Tom Price	Phone No.: (408) 453-1800	Purchase Order No.: GA	Invoice to: (If Different)	Phone:	
Company Name: Environmental Testing	Fax No.: (408) 453-1801	Project No.:	Company:		
Mailing Address: 1792 Rogers Ave	Email Address:	Project Name: GA.	Billing Address: (If Different)		
City: San Jose	State: CA / Zip Code: 95112	Project Location:	City:	State:	Zip:

Sampler: Tom Price | Field Org. Code:

Global ID:

Turn Around Time
- ❑ Same Day ❑ 1 Day
- ❑ 2 Day ❑ 3 Day
- ❑ 4 Day ❑ 5 Day
- ❑ 6-10 Day (std)

Order ID:

Client ID / Field Point	Lab. No.	Sample Date	Sample Time	Matrix	Composite	Grab	Containers	Preservative	Volatile Organics by GCMS: 601/602 ❑ 624 ❑	Oxygenates by GCMS: 8010 by 8260 ❑ MTBE by 8260B ❑ Eth/Meth ❑	TPH as Gas/BTEX/MTBE ❑ TPH as Gas/BTEX ❑ Gas by GCMS ❑	Diesel ❑ w/ Si-gel Standard Cleanup ❑ Motor Oil ❑ w/ Si-gel Column Cleanup ❑	Fuel Scan Extractable ❑ Purgeable ❑	Base/Neutral/Acid Organics 8270 ❑ Pesticides-8081 ❑ 8270-SIM ❑ PAH ❑	PCBs - 8082 ❑	pH ❑ TSS ❑ SC ❑ TOC ❑	TRPH ❑ Oil & Grease ❑	CN ❑ Phenols ❑	Anions: F ❑ Cl ❑ Br ❑ SO4 ❑ NO3 ❑ NO2 ❑ PO4 ❑	Perchlorate	Metals - Circle Below Total ❑ Dissolved ❑	STLC ❑ TCLP ❑	TO-14 ❑ TO-15 ❑ (Tedlar Bag Only)	Remarks
MW-1		3/31/04	3:20	W		✓					✓												38523-001
MW-2			3:45	W		✓					✓												002
MW-3	5		4:10	W		✓					✓												003
MW-4		✓	3:25	W		✓					✓												004

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	4/2/04	1650
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

- ❑ EDD Report ❑ PDF Report
- ✓ EDF Report
- ❑ NPDES Detection Limits

Semi-Conductor Metals: Bi, Ce, Cs, Ga, Ge, In, Li, P, S, Ta, Te, Zr

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, Zn, V, W

- ❑ LUFT-5 ❑ RCRA-8
- ❑ PPM-13 ❑ CAM-17

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

Date: 9/30/03 Project Name: GA

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

Depth of Well: _____ 1 Well Volume: ~2.5 Gallons

Depth to Water: 25.00 3 Well Volumes: 7.5 Gallons

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: 7.5 Gallons

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
400	2.5	7.0	75.2	478	gray
405	5.0	6.8	73.7	465	"
410	7.5	6.8	73.5	471	"

Remarks: _____

Sampler: Tim Price

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

Date: 7/30/03 Project Name: GA

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

Depth of Well: ~40 1 Well Volume: ~2.5 Gallons

Depth to Water: 26.37 3 Well Volumes: 7.5 Gallons

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: 7.5 Gallons

Calculations:

2" - * 0.1632
4" - * 0.653

3 16
.16
9 6
1 6
2.5

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
340	2.5	7.6	73.8	617	gray
345	5.0	6.7	71.2	496	"
350	7.5	6.9	73.8	478	"

Remarks: ______

Sampler: Tom Price

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

Date: 3/31/04 Project Name: GA.

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

Depth of Well: 32.35 1 Well Volume: 1.6 Gallons

Depth to Water: 22.49 3 Well Volumes: ~~4.8~~ Gallons

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: 4.8 Gallons

Calculations: 16 / 10 / 1.6

2" - * 0.1632
4" - * 0.653

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

Sample Method: ✓ Bailer __ Other Specify: _____

Sheen: __ No ✓ Yes, Describe spots rainbow-

Odor: __ No ✓ Yes, Describe HC

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
310	1.6	6.8	19.0	516	lt gray
315	3.2	6.8	19.0	517	"
320	4.8	6.7	18.9	515	"

Remarks: ~~MS~~ depth msmts 2/10/04 for gradient map

Sampler: Tom Price

ENVIRONMENTAL TESTING
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SAN JOSE, CALIFORNIA 95112
408.453.1800 FAX: 408.453.1801

Date: 3/31/04 Project Name: GA

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

Depth of Well: 33.1 1 Well Volume: 2.6 Gallons

Depth to Water: 23.27 3 Well Volumes: 7.8 Gallons

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: 7.8 Gallons

Calculations:

$\frac{10}{2.6}$

2" - * 0.1632
4" - * 0.653

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

Sample Method: ✓ Bailer ___ Other Specify: _____

Sheen: ___ No ✓ Yes, Describe slight

Odor: ___ No ✓ Yes, Describe slight

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
~~335~~	2.6	~~7.0~~ 6.5	~~60.1~~	604	gray
340	5.2	6.7	18.3	619	"
345	7.8	6.7	18.5	626	"

Remarks: depth msmts 2/10/04 for gradient map.

Sampler: Tom Price

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

SM

Date: 3/31/04 | Project Name: GA.

Project No.: ________ | Well No./Description: MW-3

Depth of Well: 34.9 | 1 Well Volume: 1.9 Gallons

Depth to Water: 22.53 | 3 Well Volumes: 5.7 Gallons

Casing Diameter: ✓ 2" __ 4" | Actual Volume Purged: 5.7 Gallons

Calculations:

2" - * 0.1632
4" - * 0.653

16 / 12 / 1 3 2 / 6

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
400	1.9	6.8	19.0	678	gray/tan
405	3.8	6.8	18.8	536	"
410	5.7				

Remarks: depth msmts 2/10/04 for gradient map.

Sampler: ________

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

Date: 3/31/04 Project Name: GA

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

Depth of Well: 34.32 1 Well Volume: 1.9 Gallons

Depth to Water: 22.11 3 Well Volumes: ______ Gallons

Casing Diameter: ✓ 2" __ 4" Actual Volume Purged: 5.7 Gallons

Calculations:

2" - * 0.1632
4" - * 0.653

11.6 × .2 = 3.2 (1.6)

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

Sample Method: ✓ Bailer __ Other Specify: ______

Sheen: ✓ No __ Yes, Describe frothy? ~~por~~

Odor: __ No ✓ Yes, Describe slight HC.

Field Measurements:

Time	Volume	pH	Temp.	E.C.	Color
325	1.9	7.2	19.0	416	gray
330	3.8	7.2	19.1	425	"
335	5.7	7.1	19.6	432	"

Remarks: ______

Sampler: Tom Price

APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The quality assurance/quality control measures used for groundwater sampling included the following:

- Groundwater samples collected for volatile organic analysis, are collected in triplicate 40 milliliter vials. This will provide a back up in the event that the vials are broken in transport.
- On an annual basis one trip blank or duplicate sample is submitted for testing.

APPENDIX E: REPORT DISTRIBUTION LIST

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

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

Eva Chu
Alameda County Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, California 94502-6577

Mike Bakaldin
City of San Leandro Environmental Services Department
835 E. 14th Street
San Leandro, California 94577