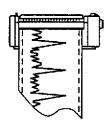
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SECOND QUARTER 1997 QUARTERLY GROUNDWATER MONITORING PROGRAM REPORT

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

Prepared by:



ENVIRONMENTAL TESTING & MGMT.
111 N. MARKET ST., SUITE 600
SAN JOSE, CALIFORNIA 95113
408.938.0939 FAX: 408.938.3929

Prepared For:



Mr. Seung Lee 301 E. 14th Street San Leandro, California

Tom Price, REA, CHMM Project Manager

Christopher M. Palmer, RG, CEG, HG

Project Geologist

ERED GEO

STOPHER M. PALL

Nº 1262

CERTIFIED

ENGINEERING

GEOLOGIST

OF CALIFORNIA

Report issued June 11, 1997

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L. INTRODUCTION

Following recommendations presented in the Soil and Groundwater Investigation (SWI) Workplan, dated June 7, 1995, Environmental Testing & Management (ETM) continued the Quarterly Monitoring Program (QMP) and related environmental activities completed during the calendar second quarter of 1997 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 SWI involved an off-site soil and groundwater sampling program which defined the migration limit of the German Autocraft fuel release at approximately 240 feet northwest of the former tank pit in the shallow aquifer. The results of the SWI were presented in a technical report issued by ETM on July 12, 1996. To date, the ACDEH has not issued comment on the SWI report. The QMP is continued to meet the requirements of the ACDEH.

The purpose of this QMP is to evaluate potential impacts from soil contamination on groundwater in the area of six former underground fuel storage tanks (USTs) that were removed in 1990. Data accumulated from the QMP 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 QMP presents a description of the groundwater monitoring activities, a compilation of groundwater quality and gradient data, maintenance of the passive skimmer system in the former tank pit area, and a brief description of the progress of the development of corrective actions at the site.

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 SECOND QUARTER, 1997

Work included groundwater level monitoring and sampling, height adjustment of the passive skimmer system installed in MW-4, data analysis, and report preparation. Activity highlights during this period are as follows:

- April 25, 1997 ETM measured groundwater elevations and collected groundwater samples from monitoring wells MW-1, MW-2, and MW-3. ETM inspected each well including MW-4 for the presence of floating product or sheen. The samples from MW-1, MW-2, and MW-3 were submitted to a Department of Health Services (DHS)-certified laboratory for analysis of Total Petroleum Hydrocarbons as Gasoline (TPHg), and Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX). No floating product was recovered from the passive skimmer system in MW-4. The height of the skimmer system was adjusted to account for the changing groundwater potentiometric surface elevation.
- May 21, 1997 All-Cal, consultants for the City of San Leandro, installed a groundwater monitoring well on the sidewalk on the north side of West Broadmoor close to ETM's soil boring ETM-38 advanced on March 29, 1996, and described in our report entitled "Continued Soil and Water and Offsite Investigation at German Autocraft, 301 E. 14th Street, San Leandro, California". At ETM-38, approximately six (6) inches of floating pale yellow gasoline product, apparently fresh, was encountered in the shallow aquifer.

IV. GROUNDWATER ELEVATION AND GRADIENT

Static groundwater level elevation data collected from on-site groundwater wells on April 25, 1997, indicated that the elevation of the shallow groundwater surface beneath the site ranged from 26.88 to 27.14 feet above mean sea level. The estimated groundwater flow direction was to the southwest (approximate gradient = 0.003 ft/ft) which is consistent with the flow direction in the preceding quarter.

Table 1 presents the recent groundwater elevation data and Figures 3, shows estimated groundwater flow direction as interpreted from the groundwater potentiometric elevation data.

The potentiometric groundwater elevation at the site was observed to drop over five (5) feet in three months compared to the gauging event of the first quarter 1997 on January 28, 1997. It is noted that a sharp rise in groundwater potentiometric surface elevation in January, over three (3) feet coincided with heavy rainfall in the region during the month of January. Subsequently, during the second calendar quarter 1997, the levels subsided.

The observed hydraulic gradient at the subject site is very flat. The gradient may change due to groundwater recharge or extraction, seasonal changes and natural outflow.

V. GROUNDWATER SAMPLING AND ANALYTICAL RESULTS

On April 25, 1997, groundwater samples were collected from MW-1, MW-2, and MW-3 following the groundwater sampling procedures presented in **Appendix A.** The groundwater samples were analyzed for TPHg, BTEX using EPA Methods 5030, modified 8015, and 8020, 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 is presented in Table 4.

Compared to the previous quarter, the results of the recent groundwater testing showed a general variability in TPHg and BTEX concentrations in MW-1, MW-2, and MW-3 as the chemical concentrations were observed to increase at MW-1, and decrease at MW-2 and MW-3. Most of the chemical constituents continue to exceed their respective California Drinking Water Maximum Contaminant Levels (MCLs) or Federal Action Levels (AL) with the exceptions of toluene and xylenes at MW-2 (Table 3).

The sample from MW-1, located upgradient of the former gasoline tank area, contained: TPHg at 180,000 micrograms per liter (μ g/L) (blind duplicate: 170,000 μ g/L); benzene at 6,900 μ g/L (blind duplicate: 6,500 μ g/L) which exceeds its MCL of 1 μ g/L; toluene at 20,000 μ g/L (blind duplicate: 20,000 μ g/L) which exceeds its MCL of 150 μ g/L; ethyl benzene at 2,600 μ g/L of (blind duplicate: 2,500 μ g/L)which exceeds its MCL of 700 μ g/L, and ; total xylenes at 13,000 μ g/L (blind duplicate: 13,000 μ g/L)which exceeds its MCL of 1,750 μ g/L.

The sample from MW-2, located down gradient of the former gasoline tank area, contained 23,000 μ g/L of TPHg, 790 μ g/L of benzene, 26 μ g/L of toluene, 820 μ g/L of ethyl benzene, and 730 μ g/L of total xylenes.

Monitoring well MW-3, also located down gradient of the former gasoline tank area, contained 67,000 μ g/L of TPHg, 3,700 μ g/L of benzene, 1,900 μ g/L of toluene, 1,800 μ g/L of ethyl benzene, and 6,600 μ g/L of total xylenes.

VI. CONCLUSIONS

Available data, including data from the second quarter 1997 monitoring events, suggest that groundwater flow patterns beneath the site are consistent with previous monitoring events during 1995, 1996, and 1997. Groundwater flowed toward the southwest at the single gauging event of the second calendar quarter of 1997.

The recent groundwater sampling event showed a general decrease in concentrations of TPHg and BTEX in MW-1, however an increase in wells MW-2, and MW-3 from those concentrations measured in the previous quarter. All of the chemical constituents continue to exceed their respective California Drinking Water Maximum Contaminant Levels (MCLs) or Federal Action Levels (AL) at MW-1 and MW-3. At MW-2 the MCLs for toluene and xylenes were met however the MCLs for benzene and ethyl benzene were not met.

VII. RECOMMENDATIONS

We recommend that the monitoring wells continue to be monitored and gauged on a quarterly basis to comply with the ACDEH requirements and to assess trends in constituent concentrations over time. The data will be used to support development of a corrective action plan at the site.

The installation of a groundwater monitoring well on the sidewalk along South Broadmoor by All-Cal, consultants for the City of San Leandro on May 21, 1997 should mark the beginning of a coordinated program between the City of San Leandro and German Autocraft.

A coordinated groundwater monitoring program including sharing potentiometric groundwater elevation data is recommended in order to check potentially anomalous groundwater flow

directions. Current data suggests a preferred pathway of flow and could be related to local stratigraphic influences.

Groundwater flow and chemical isoconcentration data suggest that the German Autocraft gasoline plume has co-mingled with the West Broadmoor plume. Chemical test data should also be shared. A coordinated program will allow both consultants to correlate groundwater data trends.

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 & Mgmt. is not responsible for laboratory errors or completeness of other consultants reports, and no warranty is made or implied therein.

The conclusions and professional opinions presented herein were developed by ETM 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

- California Code of Regulations, Title 22, 66260.21, "Environmental Health Standards", 6/23/95.
- Code of Federal Regulations, 40 CFR 260, "Hazardous Waste Management System: General, 7/1/94.
- Chemist Enterprises, Soil and Water Investigation at German Autocraft, 301 East 14th Street, San Leandro, California, April 12, 1995
- The Environmental Construction Company, Preliminary Soil and Groundwater Contamination Assessment, German Autocraft, 301 East 14th Street, San Leandro, California, February 1991.
- The Environmental Construction Company, Underground Storage Tank Removals, German Autocraft, 301 East 14th Street, San Leandro, California, November 1990.
- Environmental Testing and Management, First Quarter 1997 Quarterly Groundwater Monitoring Report, German Autocraft, 301 East 14th Street, San Leandro, California, March 24, 1997.
- Environmental Testing and Management, Fourth Quarter 1996 Quarterly Groundwater Monitoring Report, German Autocraft, 301 East 14th Street, San Leandro, California, January 21, 1997.
- Environmental Testing and Management, Third Quarter 1996 Quarterly Groundwater Monitoring Report, German Autocraft, 301 East 14th Street, San Leandro, California, November 18, 1996.
- Environmental Testing and Management, Second Quarter 1996 Environmental Activities Report, German Autocraft, 301 East 14th Street, San Leandro, California, August 8, 1996.
- Environmental Testing and Management, Continued Soil and Water and Offsite Investigation at German Autocraft, 301 East 14th Street, San Leandro, California, July 12, 1996.
- Environmental Testing and Management, First Quarter 1996 Environmental Activities Report, German Autocraft, 301 East 14th Street, San Leandro, California, May 20, 1996.
- Environmental Testing and Management, Third Quarter 1995 Environmental Activities Report, German Autocraft, 301 East 14th Street, San Leandro, California, October, 1995.
- Environmental Testing and Management, Fourth Quarter 1995 Environmental Activities Report, German Autocraft, 301 East 14th Street, San Leandro, California, February, 1995.

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

TABLE 1. THIRD QUARTER 1997 GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION DATA

		April 25,	1997
WELL	CASING ELEVATION ¹	Depth to	Croundwater
MW-1	49.61	Groundwater 22.47	Elevation 27.14
MW-2	50.14	23.26	26.88
MW-3	49,44	22.50	26.94

 $^{^{1}\}mathrm{Elevations}$ in feet above mean sea level.

TABLE 2. HISTORIC GROUNDWATER POTENTIOMETRIC SURFACE ELEVATION
DATA

P	Groundwater	Surface Elevat	ion ²		
DATE	MW-I	MW-2	MW-3		
12/31/90	19.15 ³	_	-		
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		
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		

²Elevations in feet above mean sea level.

³This elevation was determined by using the depth of 30.46' measured by The Environmental Construction Company shortly after installation of MW-1 on December 31, 1990 and the surveyed top of casing elevation of 49.61 at MW-1 on January 6, 1995.

DATE	MW-1	MW-2	MW-3
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

TABLE 3. GROUNDWATER CHEMICAL TEST RESULTS

Locations: MW-1, MW-2, MW-3

Date Sampled: April 25, 1997 Units: µg/L

WELL	ТРНд	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES	MtBE ⁴
MW-1	180,000	6,900	20,000	2,600	13,000	N/A
MW-1 ⁵	170,000	6,500	20,000	2,500	13,000	N/A
MW-2	23,000	790	26	820	730	N/A
MW-3	67,000	3,700	1,900	1,800	6,600	N/A
MCL/AL6	-	1	150	700	1,750	35

⁴MtBE = methyl-tert-butyl-ether. The California Regional Water Quality Control Board initiated the requirement of quantitation of MtBE as an additional analyte for EPA Method 8020 as of January 12, 1996.

⁵This sample was labeled 'MW-4" and submitted to the lab as a blind duplicate.

⁶Maximum 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

Locations: MW-1, MW-2, MW-3

Units: µg/L

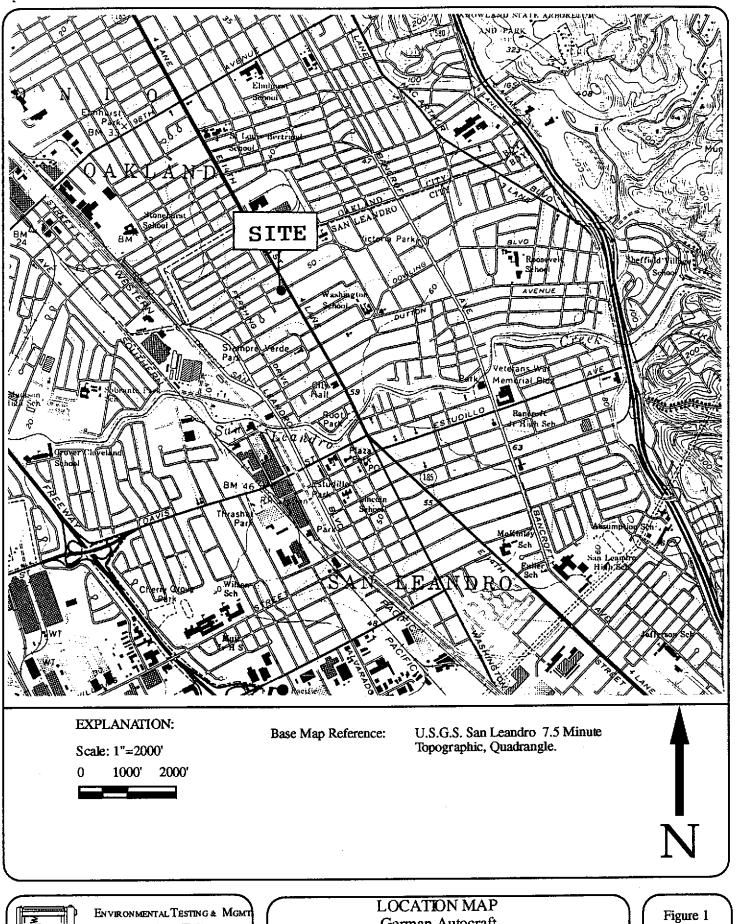
WELL	DATE	ТРНд	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES	MtBE
MW-1	12/31/90	51,000	2,200	1,200	<0.5	760	N/A ⁷
	1/6/95	110,000	13,000	15,000	4,800	13,000	N/A
	1/6/95	580,000	29,000	41,000	17,000	43,000	N/A
	7/6/95	49,000	8,000	17,000	1,900	9,700	N/A
	7/6/95	47,000	4,800	9,500	930	5,000	N/A
	10/2/95	120,000	16,000	36,000	3,300	17,000	N/A
	10/2/95	160,000	20,000	47,000	5,000	23,000	N/A
	1/12/96	1,100,000	11,000	18,000	15,000	51,000	18,0008
	1/12/96	98,000	2,100	4,600	2,500	10,000	<5,000
	4/13/96	53,000	1,300	2,900	2,100	10,000	<5,000
	4/13/96	58,000	820	3,600	2,800	12,000	<5,000
<u> </u>	7/26/96	91,000	2,900	7,200	2,900	14,000	<5,000
	7/26/96	67,000	2,300	5,500	2,500	11,000	<5,000
	10/21/96	210,000	4,800	17,000	2,300	15,000	N/A
	10/21/96	210,000	5,400	18,000	2,600	11,000	N/A
	1/28/97	120,000	5,600	15,000	2,100	11,000	N/A
	1/28/97	130,000	5,500	15,000	2,300	12,000	N/A

⁷N/A = Not Analyzed. The California Regional Water Quality Control Board initiated the requirement of quantitation of MtBE as an additional analyte for EPA Method 8020 as of January 12, 1996. The samples not analyzed for MtBE in this table pre-date the recent new requirement.

⁸This value may be inaccurate. Please refer to the second quarter 1996 report which includes an evaluation of MtBE which cast doubt on the validity of this laboratory test.

WELL	DATE	ТРНg	BENZENE	TOLUENE	ЕТНҮЦ-	XYLENES	MtBE
					BENZENE		
MW-1	4/25/97	180,000	6,900	20,000	2,600	13,000	N/A
	4/25/97	170,000	6,500	20,000	2,500	13,000	N/A
MW-2	1/6/95	980,000	9,400	5,600	19,000	42,000	N/A
	7/6/95	71,000	5,300	1,800	6,100	9,000	N/A
	10/2/95	40,000	2,900	200	2,800	3,600	N/A
	1/12/96	260,000	2,600	2,200	6,300	7,800	<12,500
	4/13/96	30,000	1,900	370	2,300	2,400	5209
	7/26/96	180,000	1,400	640	2,100	5,000	<5,000
	10/21/96	62,000	2,100	<0.5	2,100	2,700	N/A
	1/28/97	46,000	1,500	94	1,800	2,000	N/A
	4/25/97	23,000	790	26	820	730	N/A
MW-3	1/6/95	740,000	11,000	2,300	8,300	28,000	N/A
	7/6/95	86,000	12,000	8,600	4,900	19,000	N/A
	10/2/95	100,000	15,000	11,000	6,000	20,000	N/A
	1/12/96	84,000	6,500	4,100	3,200	12,000	<5,000
	4/13/96	48,000	7,600	3,600	2,800	9,400	<2,500
	7/26/96	62,000	6,400	3,100	3,000	11,000	<2,500
	10/21/96	110,000	5,400	2,400	2,500	9,800	N/A
	1/28/97	130,000	5,500	15,000	2,300	12,000	N/A
	4/25/97	67,000	3,700	1,900	1,800	6,600	N/A

⁹This value may be inaccurate. Please refer to the second quarter 1996 report which includes an evaluation of MtBE which cast doubt on the validity of this laboratory test.

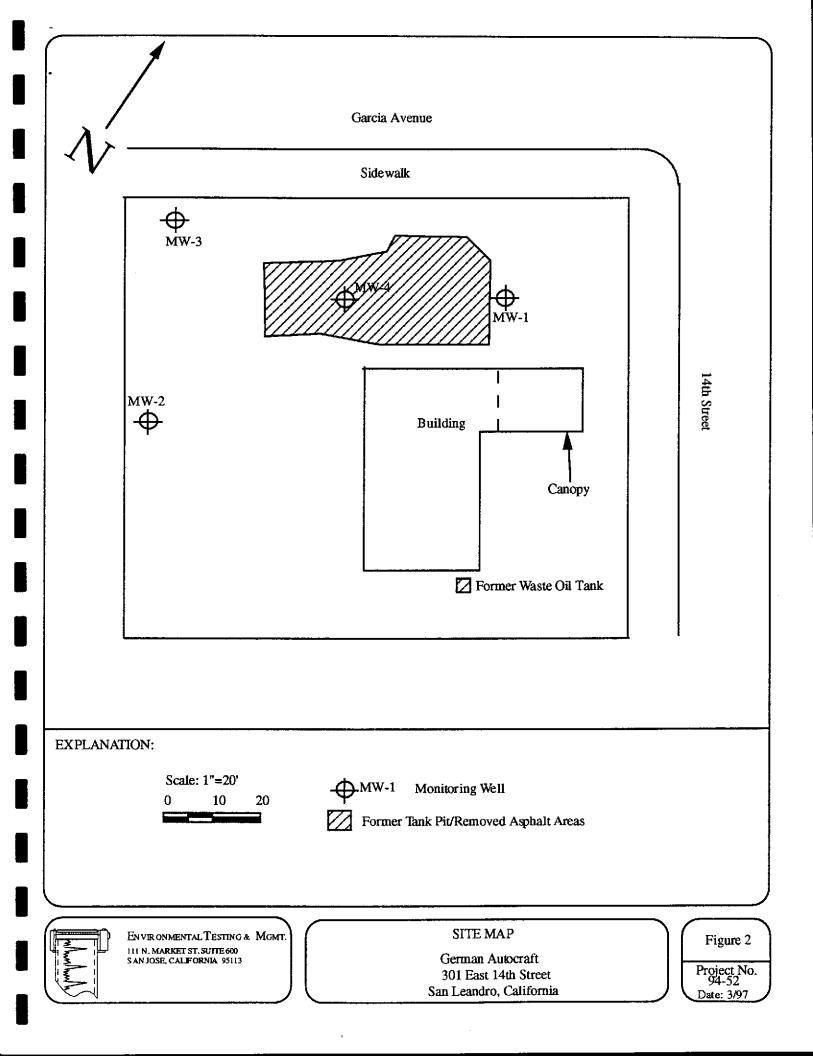


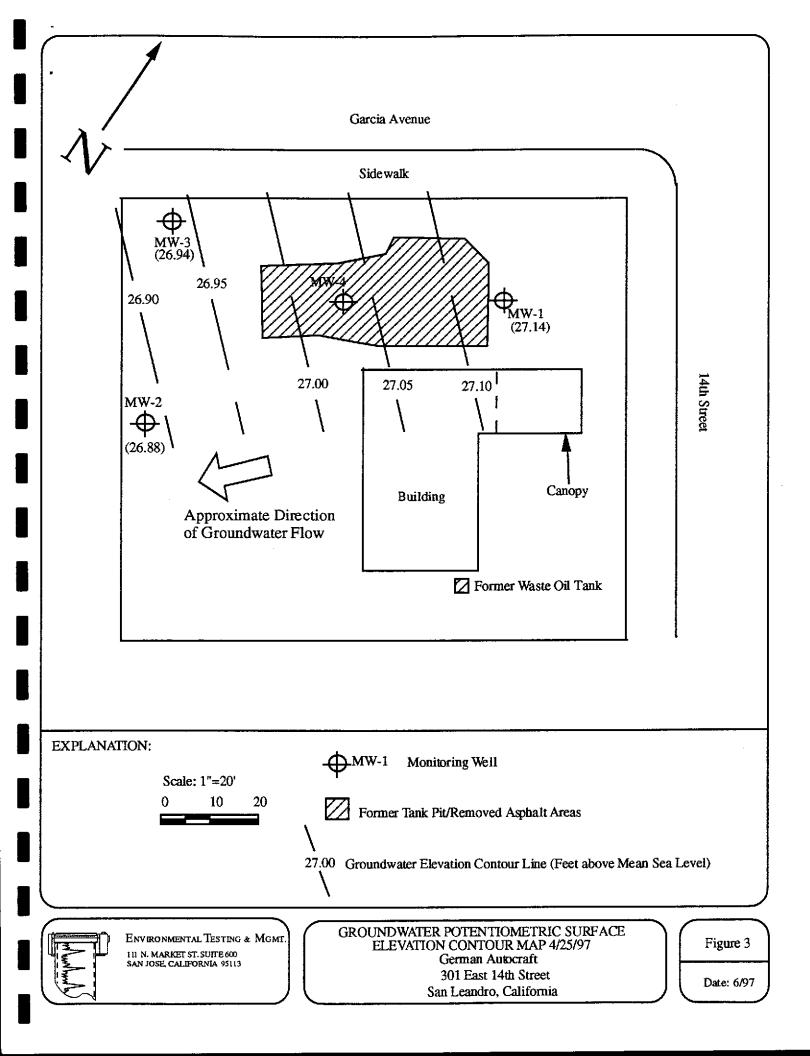


111 N. MARKET ST. SUITE 600 S AN JOSE, CALFORNIA 95113

German Autocraft 301 East 14th Street San Leandro, California

Project No. 94-52 Date: 3/97





APPENDIX A: FIELD SAMPLING AND GAUGING PROCEDURES

GROUNDWATER LEVEL MEASURING AND SAMPLING:

Sampling procedures commenced with measuring static water levels in monitoring wells using an electronic water level indicator accurate to 0.01 inch. Groundwater samples were collected using TeflonTM 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 followed by a distilled water rinse. 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. Groundwater sampling field data sheets are presented in Appendix C.

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.

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

Attn: Tom Price Environmental Testing & Management 111 N. Market Street, Suite 600 San Jose, CA 95113

Date:	5/5/97
Date Received:	4/28/97
Date Analyzed:	4/29-4/30/97
Project:	German AutoCraft
Sampled By:	Client

Certified Analytical Report

Water Sample Analysis:

Sample ID	Sample	Sample	Lab#	DF	TPH-	Benzene	Toluene	Ethyl	Xylene
•	Date	Time			Gas			Benzene	
MW-1	4/25/97		D7344	800	180,000	6,900	20,000	2,600	13,000
MW-2	4/25/97		D7345	1	23,000	790	26	820	730
MW-3	4/25/97		D7346	200	67,000	3,700	1,900	1,800	6,600
MW-4	4/25/97		D7347	800	170,000	6,500	20,000	2,500	13,000

- DLR=DF x PQL
- 2. Analysis performed by Entech Analytical Labs, Inc. (CAELAP #2224)

Summary of Methods and Detection Limits:

	TPH-Gas	Benzene	Toluene	Ethylbenzene	Xylenes
EPA Method #	8015M	8020	8020	8020	8020
Units	μg/liter	μg/liter	μg/liter	μg/liter	μg/liter
PQL	50.0 µg/liter	0.5 μg/liter	0.5 μg/liter	0.5 μg/liter	0.5 μg/liter

Michael N. Golden, Lab Director

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

QUALITY CONTROL RESULTS SUMMARY

METHOD: Gas Chromatography

QC Batch #: GBG5970429

Matrix: Water

Date Analyzed: 04/29/97

Quality Control Sample: Blank Spike

Units: µg/L

PARAMETER	Method #	MB μg/L	SA μg/L	SR μg/L	SP μg/L	SP % R	SPD μg/L	SPD %R	RPD	i -	LIMITS VISORY) %R
Benzene	8020 i	<0.5	i 25	0.0	25	100	23	92	8.3	25	50-150
Toluene	8020	<0.5	25	0.0	22	88	22	88	0.0	25	50-150
Ethyl Benzene	8020	<0.5	25	0.0	22	88	22	88	0.0	25	50-150
Xylenes Xylenes	8020	<0.5	75	0.0	64	85	64	85	0.0	25	50-150
Gasoline	8015	<50.0	625	0	720	115	¦ 719	115	0.1	25	50-150

Definition of Terms:

na: Not Analyzed in QC batch

MB: Method Blank SA: Spike Added SR: Sample Result

RPD(%): Duplicate Analysis - Relative Percent Difference

SP: Spike Result SP (%R): Spike % Recovery SPD: Spike Duplicate Result

SPD (%R): Spike % Recovery

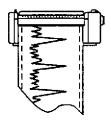
NC: Not Calculated

Entech Analytical Labs, Inc.

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

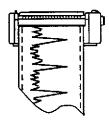
Chain of Custody/Analysis Work Order

Ge	irman A	nto Cra	<u>f</u> +	Project ID:					LAB USE ONLY				
Address: 3 E 4 th St. Contact: Telephone #: Date Received: Turn Around:						Purchase Order #: Sampler/Company: Telephone #:9380939 Tom Prical Environmental Testing & Mymt. 111 N. Market St. Suite 600 SAN JESE, CA 95121 Special Instructions/Comments Normal Turn around time Please mail results.					No	d intact	:
Sample Informat									Reques	lequested Analysis			
ID	Grab/ Composite	Matrix	Date Collected	Time Collected	Pres.	Sample Container	TPH BTE,		į				
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4	//	,,	- '/		<i>u</i>		<i>V</i>						
Zu	· 4/2.8	/97 /22			1 8	(fr		Date Date	28 /9	7	Time / 2	20	
	ID -/ -2 -3 4	301 E 14th Grab/ Composite -/ Grab2 ,, -3 ,, -4 ,,	Sample I Grab/ Composite Matrix -/ Grab. W -2 '' -3 '' -1 '' -1 '' -1 '' -2 '' -3 '' -1 '' -1 '' -1 '' -1 '' -2 '' -3 '' -3 '' -3 '' -3 '' -4 '' -1 ''	Sample Information Sample Information Date Collected Grab. W 4/25/97 11 11 11 Mic e 4/28/97 /2 2cpm. Received Received	Sampler/Com Tom Price/ 111 N. Mar SAN JES Special Instruct Normal Please Sample Information Time Collected Collected Collected 10 Grab. W 4/25/97 11 11 11 11 11 11 11 11 11 11 11 11 11	Sample / Company: Tom Price / Envir III N. Market S. SAN TESE, CA Special Instructions/C Normel Turn Please mail Sample Information Sample Information Time Collected Collected Pres. // Grab. W 4/25/97 No 2 " " " " " " " " " " " " " " " " " "	Sample Information Sample Convert Turn around Please mail results Sample Container Of rab. W 4/25/97 No 40 m/Vy 11 " 11 " 11 " 12 " 13 " 11 " 11 " 11 " 11 " 12 " 13 " 14 " 16 " 17 " 17 " 18 " 19 " 10 " 10 " 11 " 11 " 12 " 13 " 14 " 15 " 16 " 17 " 17 " 18 " 19 " 10 " 10 " 11 " 11 " 12 " 13 " 14 " 15 " 16 " 17 " 17 " 18 " 19 " 10 " 10 " 10 " 11 " 11 " 12 " 13 " 14 " 15 " 16 " 17 " 17 " 18 " 19 " 10 " 10 " 10 " 10 " 11 " 11 " 12 " 13 " 14 " 15 " 16 " 17 " 17 " 18 " 19 " 10 "	Sample Information Sample	Sample Information Date Information Sample Information Date Information Sample Information Sample Information Sample Information Date Information Sample Information Sample Information Date Information Sample Information Sample Information Date Information Sample Information Date Information Sample Information Sample Information Date	Sampler/Company: Telephone #.938.937 Tom Prices Five Fire well tasting & Mym for Prices Instructions/Comments Sample Information Sample Information Request Sample Information Request Time Collected Collected Press Container 10 Grab W 4/25/22 Wb	Sampler/Company: Tompriver Ext St. Surfe 6 as Notes: Sample Information Sample Information Sample Information Requested And Sample Container Grab/ ID Composite Matrix Collected Collected Pres. Container Grab W 4/25/27 No 4/201/24 V 3 11 11 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1	Sampler/Company: Sampler/Company: Telephone #.9387.3.7 Samples arrived chilled an Ton Prival Environmental Testing h My Yes No	Sampler/Company: Telephone #: 73377 7 12 2cpm. Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Sampler/Company: Telephone #: 73377 7 12 2cpm. Received by: Purchase Order #: Samples arrived chilled and intact Yes No Notes: Yes No Notes: Purchase Order #: Yes Notes Order #:



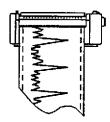
Environmental Testing & Mgmt. 111 n. market st., suite 600 san Jose, california 95113 408.938.0939 fax: 408.938.3929

Date: 4/25/97	Project Name: GA
Project No.:	Well No./Description:
Depth of Well: 41.6	1 Well Volume: 3.0
Depth to Water: 22.47	4 Well Volumes: 12
Casing Diameter: 2" 4"	Actual Volume Purged:
Calculations:	19 x 0.16 = 3.05
2" - * 0.1632 4" - * 0.653	175
Purge Method: VBailerDisp	placement PumpImpinger/Vacuum
	Other Specify:
Sheen: NoYes, Describ	oe rainbow:
Odor: No Yes, Describ	se Strong HC
Field Measurements:	,
1 1010 1:11000101101	
Time Volume	pH Temp. E.C. Color
	pH Temp. E.C. Color
Time Volume	
Time Volume	pH Temp. E.C. Color Licate labeled "MW-4".
Time Volume	
Time Volume	



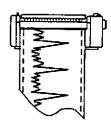
Environmental Testing & Mgmt. 111 n. market st., suite 600 san Jose, california 95113 408.938.0939 fax: 408.938.3929

Date: 4/25	/97	Project Name: _	GA.		
Project No.:		Well No./Descri	ption: $m\omega$	- ک	
Depth of Well:	3. <u>7</u>	1 Well Volume:	1.7		
Depth to Water: _	23.26	4 Well	Volumes: <u>6 · 9</u>	X 5	
Casing Diameter:	<u>1</u> 2" _4"	Actual Volume I	Purged:		
Calculations:		10.5			3
2" - * 0.1632 4" - * 0.653					(30
Purge Method:	BailerDis	placement Pump	Impinger/Va	acuum	1630
Sample Method:	Bailer	Other Speci	fy:	·	
Sheen: No	Yes, Descril	pe rainbo	, w		
Odor:No	Yes, Describ	ne <u>4+ C</u>			
Field Measureme	nts:				•
Time	<u>Volume</u>	pН	Temp.	E.C.	Color
				 ,	
					<u>-</u>
					
Remarks:			·- ·- ·-		



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Date: 4/2	5/97	Project Name: _	GA				
Project No.:	· · · · · ·	Well No./Description: Mw-3					
Depth of Well: _	35.3	1 Well Volume: 2.0					
Depth to Water:	22.50	4 Well Volumes: 8.j					
Casing Diameter	: <u>-</u> 2" _4"	Actual Volume l	Purged:		12.8		
Calculations:		12.8× 0.	.16	π. 	769		
2" - * 0.1632 4" - * 0.653				2 3	48		
Purge Method: _	BailerDis	placement Pump	Impinger/Va	acuum			
Sample Method:	Bailer	Other Specia	fy:	· · · · · · · · · · · · · · · · · · ·			
Sheen: No	Yes, Descri	be			<u> </u>		
Odor:No \(\subseteq \text{Yes, Describe} \) \(\subseteq \text{Yes, Describe} \)							
Field Measurements:							
Time	<u>Volume</u>	pН	Temp.	E.C.	Color		
							
							
							
							
							
Remarks:							
			· ——				
Sampler:							



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Date: 4/25/9)	Project Name:	GA.		
Project No.:	Well No./Descr	iption: <u> </u>	-4 28.	
Depth of Well:	1 Well Volume:			
Depth to Water: 22.7/	4 Well	Volumes:		
Casing Diameter: \(\sqrt{2}" _4" \)	Actual Volume	Purged:		
Calculations:				
2" - * 0.1632 4" - * 0.653				
Purge Method:BailerDis	placement Pump	Impinger/V	acuum	
Sample Method: <u>VBailer</u>	Other Speci	fy:	· · · · · · · · · · · · · · · · · · ·	
Sheen: No Yes, Describ	be			<u> </u>
Odor: Yes, Descrit	be			_
Field Measurements:				
Time <u>Volume</u>	Ηα	Temp.	E.C.	Color
-				
		-		

Remarks: adjusted	skimm	er ht.		
			· · · · · · · · · · · · · · · · · · ·	
Sampler:				

APPENDIX D: QUALITY ASSURANCE/QUALITY CONTROL PROGRAM

The quality assurance/quality control measures used for groundwater sampling conducted on April 25, 1997 included the following:

- Groundwater samples were collected in triplicate.
- One duplicate groundwater sample was collected from MW-1. This sample was labeled "MW-4" and submitted for testing as a blind duplicate along with the other samples.

APPENDIX E: REPORT DISTRIBUTION LIST

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

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

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

Kevin Graves Regional Water Quality Control Board 2101 Webster Street, Suite 500 Oakland, California 94612

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

John Markovich All-Cal 27973 High Country Drive Hayward, California 94542