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(202) 408-6400
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John S. Hahn
(202) 408-6430

August 30, 1996

VIA FEDERAL EXPRESS

Ms. Juliet Shin
Hazardous Materials Specialist
Alameda County Department of
Environmental Health
80 Swan Way, Room 200
Oakland, California 94621

Re: STID 3856; 1055 Eastshore Highway, Albany, CA

Dear Ms. Shin:

Enclosed is AllWest's Groundwater Monitoring Report for the second quarter of 1996. The TPH and BTEX levels are significantly lower than the anomalous results reported in March of this year. Pursuant to your July 16, 1996 letter to me, we plan to continue quarterly monitoring and will contact you to discuss the results.

No. last quarter's elevated results appeared to correspond to significantly shallower groundwater (i.e. depth to g.w. was less last qtr).

Please call me if you have any comments concerning the latest monitoring data.

Sincerely,

John S. Hahn - Shift in

John S. Hahn

Enclosure

cc: John Frank (w/enclosure)
Marc Cunningham (w/o enclosure)
John T. Lynch (w/o enclosure)
Randall T. Smith (w/enclosure)
8053632

96 SEP 11 AM 9:32
ENVIRONMENTAL PROTECTION

AllWest Environmental, Inc.
Specialists in Environmental Due Diligence and Remedial Services
One Sutter Street, Suite 600
San Francisco, Ca 94104
Tel 415 391.2510
Fax 415.391.2008

GROUNDWATER MONITORING REPORT
Second Quarter 1996

1055 Eastshore Highway
Albany, California

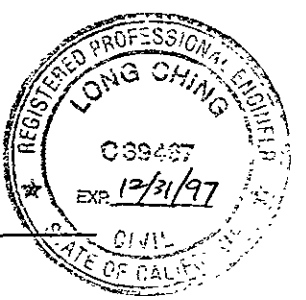
ALLWEST PROJECT 96208.28
August 16, 1996

PREPARED BY:

Keith Craig
Project Manager

REVIEWED BY:

Long Ching, PE
Senior Engineer



AllWest

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AllWest

MONITORING WELLS SAMPLING REPORT
Second Quarter 1996

1055 Eastshore Highway
Albany, California

I. INTRODUCTION

This report presents the Second Quarter 1996 results of a quarterly groundwater monitoring program performed by *AllWest Environmental* at 1055 Eastshore Highway, Albany, California. The monitoring program was initiated in response to an *Alameda County Department of Environmental Health (ACDEH)* request for quarterly sampling. The objective of the sampling program was to investigate the groundwater in the vicinity of the former underground storage tank (UST).

The scope of *AllWest's* services included sampling of four wells (MW-1 through MW-4), the measuring of groundwater levels in all four wells, and the submittal of the samples to a state certified laboratory, *Global Environmental Laboratory, Inc. (Global Lab)*. The samples were submitted for analysis of total petroleum hydrocarbons as gasoline (TPH-g), and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX). After receipt of the analytical results, a written report was prepared to present the results.

II. SITE HISTORY

The subject property lies in the western-most area of Albany, Alameda County, California in an industrial area (See Figures 1 and 2). The subject property is located on the east side of Eastshore Highway, approximately 200-feet south of the Albany off-ramp from Highway I-80. San Francisco Bay is located approximately 2,000-feet west of the subject property.

The subject property facility currently is occupied by the City of Albany Corporation Yard. One underground storage tank (UST) containing gasoline was removed by *Resna Industries* on September 2, 1992. The former UST was located south of the building (See figure 3).

Soil near the UST excavation was removed in September 1992. A preliminary site assessment (PSA) was conducted in July 1994. The PSA consisted of the advancement of seven boreholes, the installation of three groundwater monitoring wells, and the submittal of soil and groundwater samples to an analytical laboratory for analyses. The PSA indicated that gasoline constituents were present in soil and groundwater at the site.

In June 1995, monitoring well MW-4 was installed and sampled. All four monitoring wells were sampled in June, September and December 1995 and March 1996 as requested by the *ACDEH*. Additionally, groundwater elevations were measured as part of a quarterly groundwater monitoring program.

III. GROUNDWATER SAMPLING ACTIVITIES

Activities for the Second Quarter 1996 monitoring event included sampling and measuring the groundwater elevation of all four monitoring wells (MW-1 through MW-4). The work was conducted by *AllWest* personnel on June 21, 1996.

AllWest's groundwater sampling protocols, presented in Appendix A of this report, were followed. Groundwater parameters including conductivity, temperature, and pH were collected at three gallon intervals and recorded on the sampling logs (See Appendix B). At least three well casing volumes were purged prior to sampling. After purging, three 40-milliliter samples were collected from each of the four monitoring wells. No product sheen was noted.

The June 21, 1996 groundwater levels as well as the cumulative groundwater level measurements from wells MW-1 through MW-4 are presented in Table 1. Groundwater flow direction was calculated to be towards the west with an average gradient of 0.005-ft/ft.

TABLES

TABLE 1
SUMMARY OF GROUNDWATER ELEVATION MEASUREMENTS

1055 Eastshore Highway
Albany, California

Well Number and Sampling Date	Well Casing Elevation	Depth to Water (In feet)	Groundwater Elevation (Assumed Datum equals 12')	Change Since Last Measurement (In feet)	Average Hydraulic Gradient
MW-1					
6/28/94	6.62 feet	6.06	0.56		0.009 ft/ft SSE
6/29/94		6.04	0.58	+0.02	0.004 ft/ft WNW
7/20/94		6.08	0.54	-0.04	0.003 ft/ft S
6/9/95		4.85	1.77	+1.53	0.004 ft/ft SW
6/29/95		4.79	1.90	+0.13	0.005 ft/ft SW
9/7/95		5.90	0.72	-1.18	0.004 ft/ft SW
12/20/95		3.98	2.64	+1.92	0.005 ft/ft SW
3/22/96		3.55	3.07	+0.43	0.007 ft/ft SE
6/21/96		5.20	1.42	-1.65	0.005 ft/ft W
MW-2					
6/28/94	6.92 feet	6.26	0.66		0.009 ft/ft SSE
6/29/94		6.34	0.58	-0.08	0.004 ft/ft WNW
7/20/94		6.33	0.59	+0.01	0.003 ft/ft S
6/9/95		5.13	1.79	+1.20	0.004 ft/ft SW
6/29/95		4.99	1.93	+0.14	0.005 ft/ft SW
9/7/95		6.23	0.69	-1.24	0.004 ft/ft SW
12/20/95		4.12	2.80	+2.11	0.005 ft/ft SW
3/22/96		3.70	3.33	+0.42	0.007 ft/ft SE
6/21/96		5.44	1.48	-1.85	0.005 ft/ft W
MW-3					
6/28/94	7.02 feet	6.30	0.72		0.009 ft/ft SSE
6/29/94		6.29	0.73	+0.01	0.004 ft/ft WNW
7/20/94		6.36	0.66	-0.07	0.003 ft/ft S
6/9/95		5.16	1.86	+1.20	0.004 ft/ft SW
6/29/95		5.03	1.99	+0.13	0.005 ft/ft SW
9/7/95		6.42	0.60	-1.39	0.004 ft/ft SW
12/20/95		4.02	3.00	+1.61	0.005 ft/ft SW
3/22/96		3.67	3.35	+0.35	0.007 ft/ft SE
6/21/96		5.45	1.57	-1.78	0.005 ft/ft W
MW-4					
6/29/95	6.46 feet	4.60	1.86		0.005 ft/ft SW
9/7/95		5.79	0.64	-1.22	0.004 ft/ft SW
12/20/95		3.66	2.80	+2.16	0.005 ft/ft SW
3/22/96		3.29	3.17	+0.37	0.007 ft/ft SE
6/21/96		4.93	1.53	-1.64	0.005 ft/ft W

Notes: MW-4 was installed in June 1995.

IV. LABORATORY TEST RESULTS

The four collected water samples were submitted to a State of California certified analytical laboratory, *Global Environmental Laboratory, Inc.* (*Global Lab*), of Fremont, California.

All water samples were analyzed for total petroleum hydrocarbons as gasoline (TPH-g) and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX).

The laboratory results indicated concentrations of TPH-g at 1,100 parts per billion (ppb) in well MW-2. Results from MW-1, MW-3, and MW-4 indicated that the TPH-g concentrations were less than the laboratory detection limit of 50-ppb. BTEX concentrations for MW-2 were reported as 140-ppb Benzene, 1.6-ppb Toluene, 62-ppb Ethylbenzene, and 160-ppb Xylene. Results from MW-1, MW-3 and MW-4 indicated that the BTEX concentrations were less than the laboratory detection limit of 0.5-ppb.

A summary of analytical results for wells MW-1 through MW-4 to date are presented in Table 2. A copy of the laboratory test reports and Chain-of-Custody documents are displayed in Appendix C.

TABLE 2
SUMMARY OF GROUNDWATER CHEMICAL ANALYSIS RESULTS

1055 Eastshore Highway
Albany, California

Monitoring Well No. and Sampling Date	TPH-Gasoline	Benzene	Toluene	Ethylbenzene	Xylenes
MW-1					
6/23/94	ND (<50)	ND (<0.3)	0.60-ppb	2.5-ppb	9.0-ppb
6/29/95	ND (<50)	0.8-ppb	ND (<0.5)	1.3-ppb	3.2-ppb
9/7/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
12/20/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
3/22/96	ND (<50)	ND (<0.5)	2.5-ppb	ND (<0.5)	2.2-ppb
6/21/96	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
MW-2					
6/23/94	330-ppb	130-ppb	11.0-ppb	20.0-ppb	10.0-ppb
6/29/95	3,800-ppb	260-ppb	9.8-ppb	190-ppb	310-ppb
9/7/95	2,700-ppb	100-ppb	1.9-ppb	92-ppb	210-ppb
12/20/95	1,500-ppb	170-ppb	50-ppb	30-ppb	170-ppb
3/22/96	4,500-ppb	920-ppb	30-ppb	360-ppb	1,300-ppb
6/21/96	1,100-ppb	140-ppb	1.6-ppb	62-ppb	160-ppb
MW-3					
6/23/94	52.0-ppb	ND (<0.3)	ND (<0.3)	4.0-ppb	13.0-ppb
6/29/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
9/7/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
12/20/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
3/22/96	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
6/21/96	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
MW-4					
6/29/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
9/7/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
12/20/95	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)
3/22/96	60-ppb	0.8-ppb	2.8-ppb	1.1-ppb	4.7-ppb
6/21/96	ND (<50)	ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)

Notes: ND = Not-detected at or above the laboratory limit of detection.
NS = Not sampled on date indicated.
MW-4 installed June 1995.

V. CONCLUSIONS

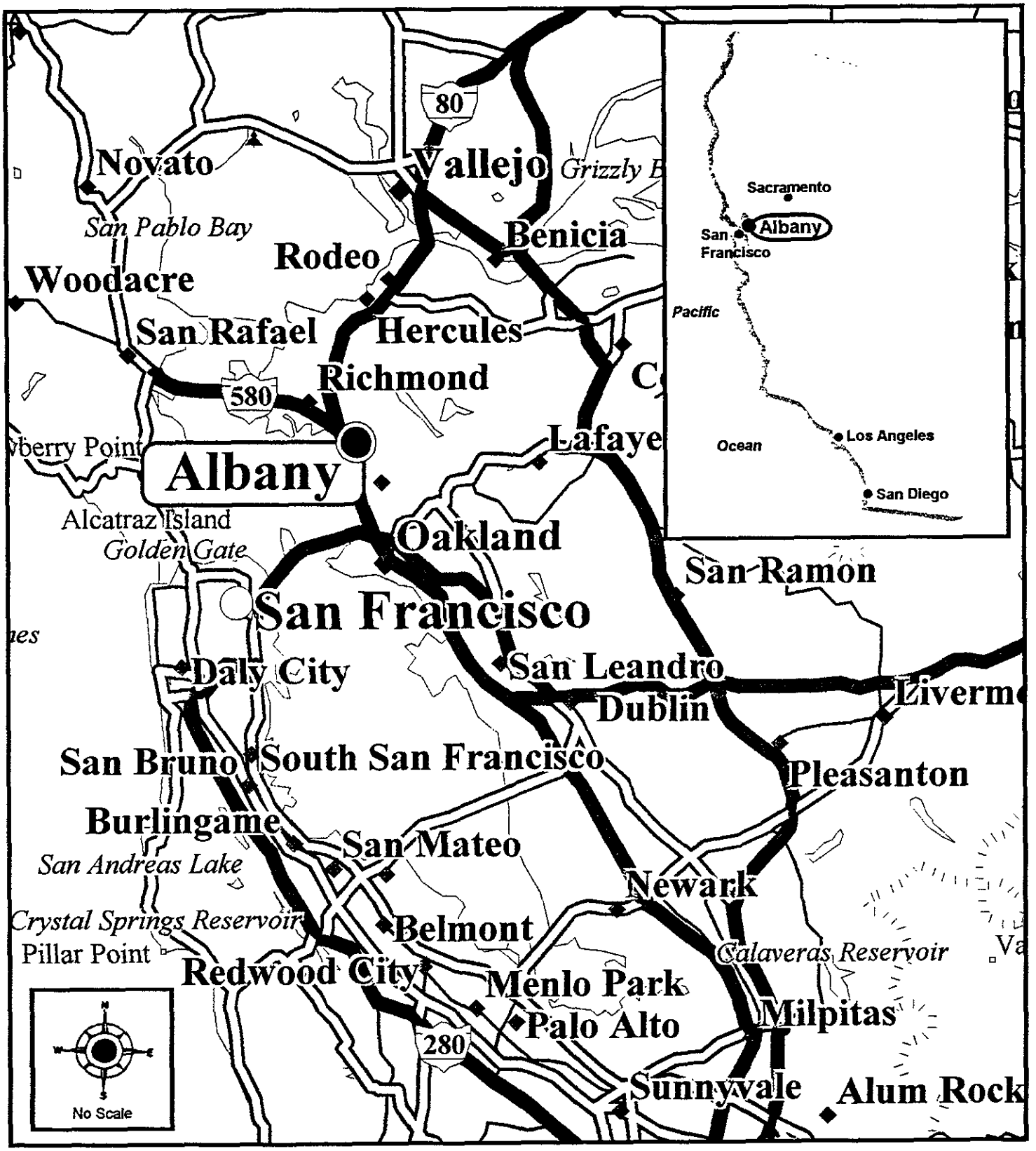
As indicated by the laboratory test results, TPH-g and/or BTEX were detected in groundwater samples from monitoring well MW-2. The concentration of TPH-g and BTEX in the wells is within the range of historical results and significantly lower than the March 1996 results. The non-detectable results from MW-1, MW-3 and MW-4 continue to indicate the extent of contaminated groundwater is limited and within the immediate vicinity of MW-2.

VI. REPORT LIMITATIONS

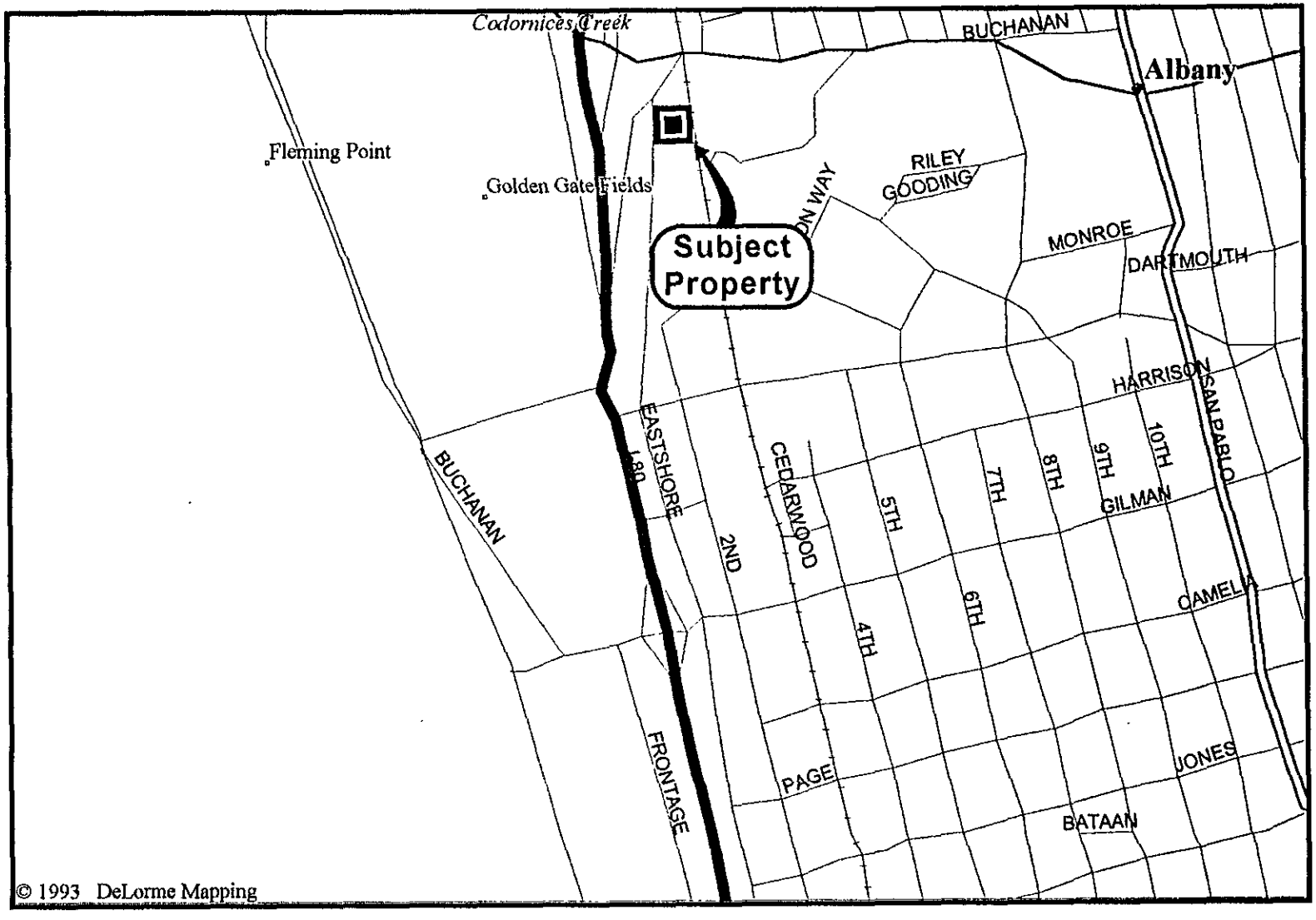
The work described in this report has been performed accordance with generally accepted engineering principles an practices. The conclusions and recommendations contained herein are presented based on environmental conditions of the site and laboratory test results of the groundwater sample. It must be recognized that changes can occur in groundwater conditions due to seasonal variations, or other reasons. Furthermore, the distribution of chemical concentrations in the groundwater can vary both temporally and spatially. The chemical analyses results are valid as of the date and at the sampling location only. *AllWest* cannot be held accountable for the accuracy of the test data from an independent laboratory, nor for any analyte quantities falling below the recognized standard detection limits for the method utilized by the independent laboratory.

KBC115: 96208-28.Q02

FIGURES

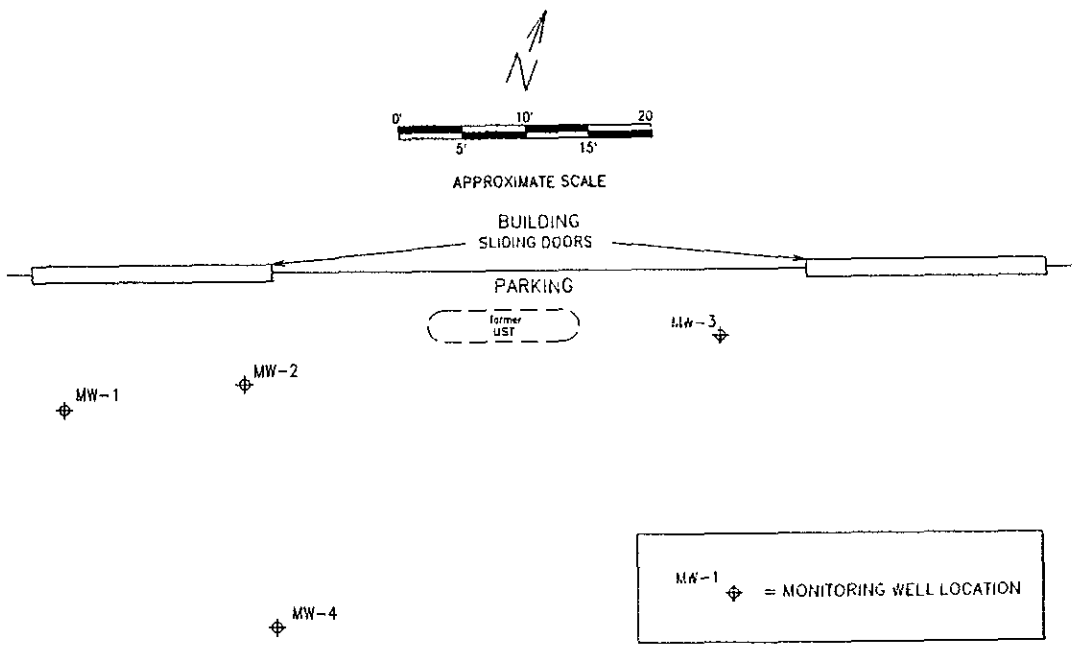


AllWest	August 1996	**Site Regional Map**	Project 96208.28	Figure 1
	1055 East Shore Highway Albany, California			Source *DeLorme*

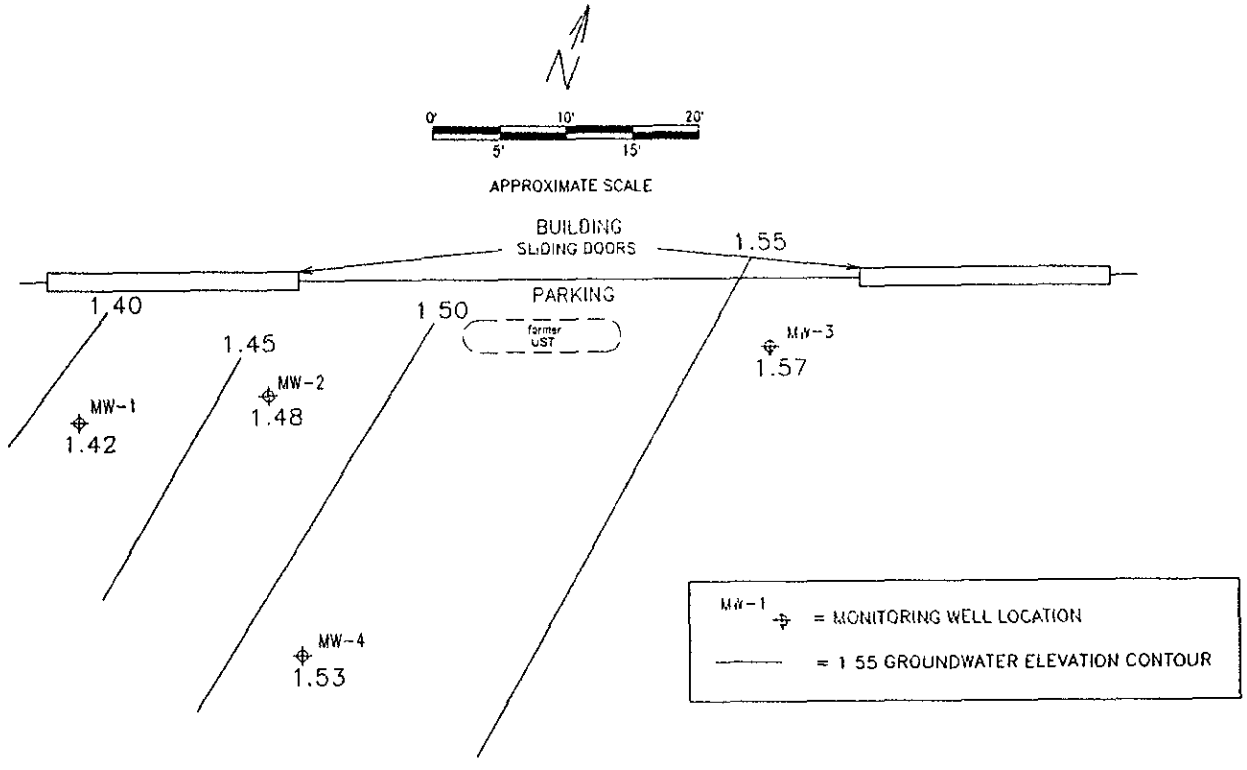


AllWest

August 1996	**Site Vicinity Map**	Project No. 96208.28	Figure 2
1055 East Shore Highway Albany, California			Scale *1" = 1300'*



AllWest	August 1996	**Generalized Site Plan**	Project No. 96208.28	Figure 3
	1055 East Shore Highway Albany, California			Source *AllWest*



AllWest	August 1996	**Groundwater Contour Map**	Project No. 96208.28	Figure 4
	1055 East Shore Highway Albany, California			Source *AllWest*

APPENDIX A

Appendix A

GROUNDWATER SAMPLING PROCEDURES

Upon arriving at the groundwater monitoring well site, each monitoring well vault and well casing are first examined for damage which could render the well inoperable. Any water collected during the recent rains were purged from the well vault to avoid contamination from rain water. The upper end-cap was then removed and an organic vapor meter (OVM) was used to detect hydrocarbon vapor that might exist inside the well casing. The reading of the OVM was then recorded onto the groundwater sampling field log. After an appreciable time for groundwater levels to equilibrate, electric water level sounder was lowered into the well casing to measure the depth to water to the nearest 0.01 feet. A clear polyethylene bailer was then lowered into the well casing and partially submerged. Upon retrieval of the clear bailer, the surface of the water column retained in the bailer was carefully examined for floating product or product sheen.

After initial measurements were completed and recorded, each monitoring well was purged by an electrical submersible pump or decontaminated teflon bailer. A minimum of 3 well volumes of groundwater was purged. Groundwater quality parameters (temperature, pH, and conductivity) were monitored with a combination meter after each well volume was removed. Purging was considered complete when purging indicators were stabilized (consecutive readings within 10% of each other) or the purged water was relatively free of sediments. All purged water was temporarily stored on-site in labeled 55-gallon drums pending test results to determine the proper disposal method. If no contamination was found then the purge water was disposed of as nonhazardous.

Groundwater sampling was conducted after the water level in the well recovered to at least 80% of the initial level that was recorded before purging. The groundwater sample was collected using a disposable bailer, which was discarded after the sampling event. Upon retrieval of the disposable bailer, the retained water was carefully transferred to appropriate glass container(s) (three 40-ml VOAs) furnished by the analytical laboratory. A bottom emptying device was placed on the bailer to minimize the loss of volatile organic compounds during transfer. All sample containers were fitted with teflon lined septum/cap and filled such that no headspace was present. After the water sample was properly transferred to the appropriate containers, the containers were labeled and immediately placed on ice in an insulated cooler to preserve the chemical characteristics of the sample.

To prevent cross contamination, all groundwater sampling equipment that came into contact with the groundwater was thoroughly cleaned by washing in Alconox (a non-phosphate detergent) solution and double rinsed with distilled water prior to each well sampling event. Groundwater samples were stored and transported in an insulated cooler filled with crushed ice. The analytical laboratory collected the samples from the site or from the *AllWest* office. The samples were delivered to the analytical laboratory by a special courier of the laboratory. All samples were transported under strict Chain-of-Custody document protocol from the time of sample collection to the time of arrival at the laboratory.

APPENDIX B

Groundwater Monitoring Well Sampling Field Log

Project No.: 96208.28 Project Name: X Monitor

Well No.: MW-1 Well Location: Western Most

Well Depth: 24.95 (ft.) Casing Diameter: 2" (in.)

Depth to Water: 5.20 (ft.) Date: 6-21-96 Time: _____

Water Column in Well: 19.75 (ft.) Well Volume: 3.16 (gal.)

Odor? No Free Product? No Thickness: No

Purging Method: Hand Pump ____ Submersible Pump X Bailer ____ Other ____

Time	pH	Conduc. (μS)	Temp. (°F)	Water Level	Volume Removed	Remark
1430	7.64	2010	70.5		1.0	
1432	7.32	1930	71.4		3.5	
1433	7.21	1940	70.3		6.0	
1435	7.11	1970	70.0		8.5	
1437	7.20	2040	70.1		11.0	
1440	7.10	2060	70.2		15.0	

Purging Start Time: 1430 Purging Stop Time: 1441

Total Volume Purged: 15.0 (gal.) Well Dewater? No

Water Level Prior to Sampling: 10.75 (ft.) Time: 1450

Sampling Method: Teflon Bailer ____ Disposable Bailer X Sampling Pump ____

Sample Collected: 3 - 40 ml VOAs Sample No.: MW-1

Remarks: Duplicate sample collect - MW5

Sampler: Keith B. Craig Date/Time: 6-21-96 1500

Groundwater Monitoring Well Sampling Field Log

Project No.: 96208.28 Project Name: X Monitor

Well No.: MW-2 Well Location: Center Well

Well Depth: 19.75 (ft.) Casing Diameter: 2" (in.)

Depth to Water: 5.48 (ft.) Date: 6-21-96 Time: 1240

Water Column in Well: 14.10 (ft.) Well Volume: 2.29 (gal.)

Odor? Yes Free Product? No Thickness: No

Purging Method: Hand Pump ____ Submersible Pump X Bailer ____ Other ____

Time	pH	Conduc. (µS)	Temp. (°F)	Water Level	Volume Removed	Remark
1610	7.50	1320	68.3		0.5	
1612	7.01	1250	69.5		3.0	
1614	6.78	1340	68.2		6.0	
1620	6.76	1280	67.7		7.5	Dewatered
1625	6.58	1270	67.5		10.0	Dewatered

Purging Start Time: 1610 Purging Stop Time: 1625

Total Volume Purged: 10.0 (gal.) Well Dewater? Yes

Water Level Prior to Sampling: 9.40 (ft.) Time: 1635

Sampling Method: Teflon Bailer ____ Disposable Bailer X Sampling Pump ____

Sample Collected: 3 - 40 ml VOAs Sample No.: MW-2

Remarks: _____

_____

_____

Sampler: Keith B. Craig Date/Time: 6-21-96 1700

Groundwater Monitoring Well Sampling Field Log

Project No.: 96208.28 Project Name: X Monitor

Well No.: MW-3 Well Location: East

Well Depth: 19.70 (ft.) Casing Diameter: 2" (in.)

Depth to Water: 5.45 (ft.) Date: 6-21-96 Time: 1250

Water Column in Well: 14.25 (ft.) Well Volume: 2.28 (gal.)

Odor? No Free Product? No Thickness: No

Purging Method: Hand Pump ____ Submersible Pump X Bailer ____ Other ____

Time	pH	Conduc. (μS)	Temp. (°F)	Water Level	Volume Removed	Remark
1525	8.02	1360	71.9		1.0	
1527	7.56	1420	70.4		3.5	
1530	7.40	1560	69.1		5.0	Dewatered
1535	7.23	1790	68.5		7.0	
1540	7.23	1660	68.3		10.0	Dewatered

Purging Start Time: 1525 Purging Stop Time: 1540

Total Volume Purged: 10.0 (gal.) Well Dewater? Yes

Water Level Prior to Sampling: 6.75 (ft.) Time: 1555

Sampling Method: Teflon Bailer ____ Disposable Bailer X Sampling Pump ____

Sample Collected: 3 - 40 ml VOAs Sample No.: MW-3

Remarks: _____

_____

_____

Sampler: Keith B. Craig Date/Time: 6-21-96 1600

Groundwater Monitoring Well Sampling Field Log

Project No.: 96208.28 Project Name: X Monitor

Well No.: MW-4 Well Location: MW-4

Well Depth: 24.40 (ft.) Casing Diameter: 2" (in.)

Depth to Water: 4.93 (ft.) Date: 6-21-96 Time: 1300

Water Column in Well: 19.47 (ft.) Well Volume: 3.12 (gal.)

Odor? No Free Product? No Thickness: No

Purging Method: Hand Pump ____ Submersible Pump X Bailer ____ Other ____

Time	pH	Conduc. (μS)	Temp. (°F)	Water Level	Volume Removed	Remark
1320	7.45	3400	74.5		1.0	Moderate Turbidity
1322	7.20	1620	73.5		3.0	Moderate Turbidity
1324	7.00	1660	71.5		5.0	Clear
1326	7.08	1660	69.7		8.5	Clear
1328	7.14	1620	69.3		11.5	Clear
1330	7.10	1600	69.2		13.0	Clear

Purging Start Time: 1320 Purging Stop Time: 1330

Total Volume Purged: 13.0 (gal.) Well Dewater? No

Water Level Prior to Sampling: 6.10 (ft.) Time: 1335

Sampling Method: Teflon Bailer ____ Disposable Bailer X Sampling Pump ____

Sample Collected: 3 - 40 ml VOAs Sample No.: MW-4

Remarks: _____

_____

_____

Sampler: Keith B. Craig Date/Time: 6-21-96 1355

APPENDIX C

Global Environmental Laboratory, Inc.
4118 CLIPPER COURT, FREMONT, CA 94538 PHONE (510) 498-1991 FAX (510) 498-1994

June 28, 1996

All West Environmental, Inc.
One Sutter Street, Suite 600
San Francisco, CA 94104

Regarding: **Analytical Results**
Client Project: 96208.28
Global Lab Project: 960624A

Dear Mr. Keith Craig :

Enclosed are the lab results for the samples submitted to Global Lab for the project above. The samples will be disposed of by the laboratory after 30 days from the time they were received.

We appreciate the opportunity to be of assistance to you. If you have any questions or comments, please feel free to contact me at (510) 498-1991.

Sincerely,

Lei Chen
Laboratory Director

Global Environmental Laboratory, Inc.
4118 CLIPPER COURT, FREMONT, CA 94538 PHONE (510) 498-1991 FAX (510) 498-1994

DHS (LUFT) TPH-GASOLINE REPORT
(ug/L)

Client:	Keith Craig	Date Sampled:	6-21-96
	All West Environmental, Inc.	Date Recieved:	6-24-96
	One Sutter Street, Suite 600	Date Analyzed:	6-25-96
	San Francisco, CA 94104	Date Reported:	6-28-96
Project:	96208.28	Lab Job #:	960624A
Matrix:	Water		

Client I.D.	Lab. I.D.			8015M Gasoline			DF
MW-1	960624A01			ND			1
MW-2	960624A02			**1100**			1
MW-3	960624A03			ND			1
MW-4	960624A04			ND			1
Reporting Limit				50 ug/L			

ND Not Detected. All analytes recorded as ND were found to be at or below the Reporting Limit.

Reviewed By:

ELAP#: I-1080

Lei Chen, Laboratory Director

Global Environmental Laboratory, Inc.
4118 CLIPPER COURT, FREMONT, CA 94538 PHONE (510) 498-1991 FAX (510) 498-1994

DHS (LUFT) TPH-BTEX REPORT
(ug/L)

Client:	Keith Craig	Date Sampled:	6-21-96
	All West Environmental, Inc.	Date Recieved:	6-24-96
	One Sutter Street, Suite 600	Date Analyzed:	6-25-96
	San Francisco, CA 94104	Date Reported:	6-28-96
Project:	96208.28	Lab Job #:	960624A
Matrix:	Water		

Client I.D.	Lab. I.D.		Benzene	Toluene	Ethyl Benzene	Total Xylenes	DF
MW-1	960624A01		ND	ND	ND	ND	1
MW-2	960624A02		**140**	**1.6**	**62**	**160**	1
MW-3	960624A03		ND	ND	ND	ND	1
MW-4	960624A04		ND	ND	ND	ND	1
Reporting Limit			0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	

ND Not Detected. All analytes recorded as ND were found to be at or below the Reporting Limit.

Reviewed By:

ELAP#: I-1080

Lei Chen, Laboratory Director

EPA METHOD TEST QA/QC TABLE

GLOBAL PROJECT #: 960624A

Lab I.D.:	960624A-MSP	Analytical Method:	EPA M8015
Project:	96208.28	Analysis date:	06-25-96
Ext/Prep. Method:	EPA 5030	Matrix:	Water
Date:	06-25-96	Unit:	ug/L

Analyte	Sample Result	Spike Level	Matrix Spike Result	MS Recovery %	Matrix Spike Dul. Result	MSD Recovery %	Average Recovery %R	LCL %R	UCL %R	RPD %	UCL %RPD
Benzene	0.00	20.00	17.22	86	17.52	88	87	76	127	2	11
Toluene	0.00	20.00	17.28	86	16.65	83	85	76	125	4	13
Chlorobenzene	0.00	20.00	17.09	85	17.88	89	87	75	130	5	13
Gasoline	0.00	1000.00	809.16	81	826.99	83	82	70	130	2	30

Notes:
Sample Result-Concentration of Sample which is to used for Sample Spike & Sample Spike Duplicate
Spike Level- Level of Concentration Added to the Sample
MSP Result- Matrix Spike Result
MSP %R- Matrix Spike Percent Recovery
MSPD Result- Matrix Spike Duplicate Result
MSPD %R- Matrix Spike Dublicate Percent Recovery
AVG. %R - Average Recovery for MSP & MSPD % Recovery
LCL- Lower Criteria Level
UCL- Upper Criteria Level
RPD- Relative Percent Difference

GE Global Environmental Laboratory, Inc.
Tel: (510) 498-1991 Fax: (510) 498-1994

CHAIN OF CUSTODY

LOG NO. 1028

CLIENT NAME: AllWest Environmental Inc
ADDRESS: 1 Sutter ST #600
San Francisco Ca 94104
PROJECT NAME: Xmonitor
PROJECT MANAGER: Keith Crady PHONE # (415) 391-2510
SAMPLED BY: Keith Crady
JOB DESCRIPTION: G.W. Sampling
SITE LOCATION: Albany

CLIENT JOB NUMBER: 96208.28

DESTINATION LABORATORY
[X] GE
4118 Clipper Court
Fremont, CA 94538
[ ] Other

FIELD CONDITIONS:
COMPOSITE:
SPECIAL INSTRUCTIONS:

DATE	TIME	SAMPLE IDENTIFICATION	METHOD	MATRIX	CONTAINER NO.	CONTAINER TYPE	PRESERVATIVES	8015(m) TPH-gasoline	8020 BTEX only					24 HOURS	48 HOURS	1 WEEK	OTHERS	NOTE / FIELD READINGS
6-21-96		MW-1		Water	3	40ml VOAs		X	X							X		
↓		MW-2		↓	3	↓		X	X							X		
↓		MW-3		↓	3	↓		X	X							X		
↓		MW-4		↓	3	↓		X	X							X		
↓		MW-5		↓	3	↓												Hold

SUSPECTED CONSTITUENTS:
SAMPLE RETENTION TIME:
PRESERVATIVES: (1) HCL (2) HNO$_3$ (3) = COLD (4)

RELINQUISHED BY (SIGN)	PRINT NAME / COMPANY	DATE / TIME	RECEIVED BY (SIGN)	PRINT NAME / COMPANY
Long Ching	LONG CHING / ALLWEST	6-24-96 / 13:07	Lei Chea	LEI CHEA

REC'D AT LAB BY: DATE / TIME: CONDITIONS / COMMENTS:

SHIPPED VIA [ ] FED X [ ] UPS [ ] OTHER ______ AIR BILL #