QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

ALBANY HILL MINI MART
ALBANY, CALIFORNIA

Prepared for:

Mr. Mohinder S. & Dr. Joginder K. Sikand
1300 Ptarmigan Drive, #1
Walnut Creek, California

February 28, 2001

ADVANCED ASSESSMENT AND REMEDIATION SERVICES

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February 28, 2001

MAR 0 2 2001

Ms. eva chu
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: **Quarterly Groundwater Monitoring and Sampling Report for Albany Hill Mini Mart, 800 San Pablo Avenue, Albany, California**

Dear Ms. chu:

The enclosed report presents the results and findings of the February 2001, quarterly groundwater monitoring and sampling for the above-referenced facility.

Should you have any questions regarding the report please contact Tridib Guha at (925) 363-1999.

Sincerely,

Advanced Assessment and Remediation Services

Tridib K. Guha, R.G., R.E.A.
Principal

cc: Mr. Mohinder Sikand & Dr. Joginder Sikand, Walnut Creek, CA

AHMMQ6.RPT

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QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

For

Albany Hill Mini Mart
800 San Pablo Avenue
Albany, California

1.0 INTRODUCTION

This report presents the results and findings of the February 2001, quarterly groundwater monitoring and sampling performed at 800 San Pablo Avenue, Albany, California. This report is intended to fulfill quarterly self-monitoring requirements and to establish a groundwater monitoring history for the site. A site vicinity map is shown in Figure 1.

2.0 GROUNDWATER MONITORING WELLS

This section presents the water level monitoring, field observations, sampling and analysis procedures, as well as the analytical results. The location of the monitoring wells is presented in Figure 2. The work and related field sampling activities were conducted in accordance with the guidelines and requirements of the Alameda County Environmental Health Department (ACEHD) and the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB).

2.1 Groundwater Level Monitoring and Surveying

Groundwater levels in each well were measured to the nearest 0.01 foot from the top of the PVC casing, using an electronic sounder. A groundwater surface elevation map, based on interpretation of groundwater level measurements taken on February 8, 2001, and survey data is presented in Figure 3. The survey data and water level measurements are presented in Table 1.

2.2 Field Observations

The purged water from monitoring, MW-1, MW-2 and MW-3 were clear initially and with continual purging the water turned turbid. However, water samples collected at the time of sampling were clear. No floating product was observed in the groundwater samples from all three monitoring wells. Sheen was observed only in groundwater samples from monitoring well MW-1. Strong petroleum odor was noticed in the groundwater samples from all three monitoring wells.

2.3 Sampling and Analysis Procedures

Groundwater samples were collected on February 8, 2001, following water level measurements. Samples were analyzed by North State Environmental Laboratory of South San Francisco, California which is certified by the California Department of Health Services (DHS) to perform the specified analyses.

Before purging, water levels were measured in all wells with an electronic sounder tape. Purging preceded sampling in order to ensure collection of non-stagnant water. A minimum of three casing volumes were removed before sampling the wells MW-1, MW-2 and MW-3. The purged water was monitored for temperature, pH, and conductivity. Purging was considered complete when these parameters had stabilized. The wells were sampled after 90 percent recovery or greater. The groundwater monitoring well purge/sampling worksheets are presented Appendix A.

To prevent potential cross-contamination, all measuring, purging and sampling equipment was washed in an Alconox detergent solution, rinsed with tap water, and rinsed finally with distilled water between wells.

The sampling procedure for each monitoring well involved extracting well water with a clean PVC bailer on a clean nylon cord. Groundwater collected for analysis of Total Petroleum Hydrocarbon as gasoline (TPHg) and Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) was decanted into two 40-milliliter volatile organic analysis vials with Teflon-lined septa. Groundwater collected for analysis of Total Petroleum Hydrocarbon as diesel (TPHd) was decanted into one 1-liter amber glass bottles. Samples to be analyzed for TPHg/BTEX/MTBE were preserved using hydrochloric acid to a pH of 2.0. All samples were labeled and placed in an iced cooler, along with the chain-of-custody document (Appendix B). Samples transported to the laboratory were analyzed within the specified holding time.

Groundwater produced during purging and sampling was contained in 55-gallon steel drums. The drummed water was labelled with the source (i.e. well number) and date.

2.4 Analytical Methods

Samples were analyzed for TPHg by Modified EPA SW-846 Methods 5030/8015 modified, for TPHd by EPA Methods 3510/8015 modified, and for BTEX/MTBE by EPA SW-846 Methods 8020.

A summary of the analytical results of groundwater samples from the monitoring wells is presented in Table 2. The certified analytical reports and chromatograms for this sampling events are included in Appendix B.

3.0 INTERPRETATION OF RESULTS

The results of water level measurements and groundwater sampling are discussed in the following sections.

3.1 Groundwater Elevations and Gradients

A relative groundwater elevation contours for February 8, 2001, is presented in Figure 3. The flow direction, based on groundwater level data, was toward the southeast with an average hydraulic gradient of 0.02 foot per foot for this monitoring period. The average depth to stabilized groundwater in these wells was approximately 10.5 feet below ground surface.

3.2 Analytical Results

The analytical results for groundwater samples from three monitoring wells (MW-1 through MW-3) are presented in Table 2, which also includes the groundwater sampling results from the previous site investigation. Groundwater samples from all three monitoring wells were found to contain TPHg ranging from 290 to 2800 parts per billion (ppb);, benzene ranging from 50 to 630 ppb; toluene concentrations ranging from 11 to 130 ppb; ethylbenzene concentrations ranging from 0.6 to 51 ppb; xylenes concentrations ranging from 4 to 250 ppb; and MTBE concentrations ranging from 390 to 5200 ppb. Also, the detection of MTBE was confirmed by analyzing groundwater samples from MW-3 using GC/MS method 8260. TPHd was detected in all three groundwater samples, concentrations ranging from 80 to 380 ppb. However, laboratory reported samples from MW-1 does not match diesel pattern. Figure 4 shows the distribution of dissolved-phase petroleum hydrocarbons at the site.

4.0 SELF-MONITORING PROGRAM SCHEDULE AND RECOMMENDATIONS

The next monitoring event scheduled for the site is May, 2001. The last three groundwater sampling events confirmed the presence of elevated MTBE, TPHg and benzene concentrations in all three monitoring wells. The ACEHD required additional investigations to delineate the extent of the plume. A work plan for additional site investigations will be submitted to ACEHD.

5.0 CERTIFICATION

The information provided in this report is based on the groundwater sampling activities conducted at the site. All data presented in this report is believed to be factual and accurate, unless proven otherwise. Any conclusions or recommendations provided within are based on our expertise and experience conducting work for a similar nature.

Advanced Assessment and Remediation Services

Tridib K. Guha, R.G. 5836

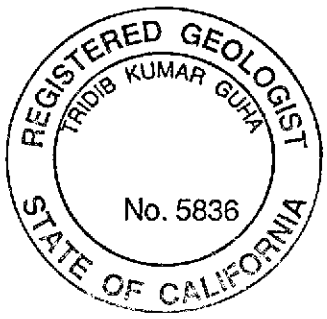


TABLE 1: SURVEY AND WATER LEVEL MONITORING DATA
Albany Hill Mini Mart
800 San Pablo Avenue
Albany, California

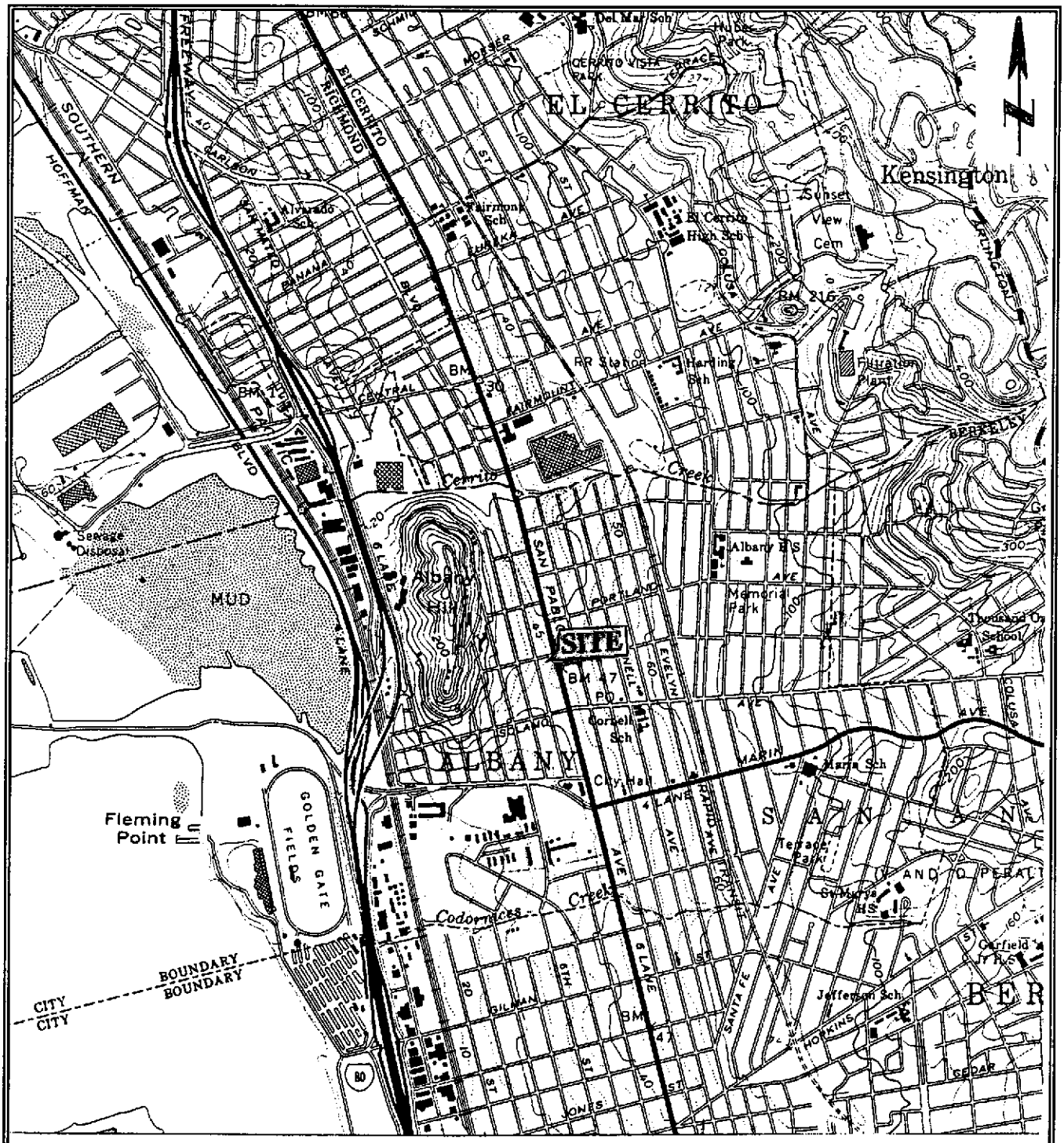
Well No.	Date of Measurement	Top of Casing Elevation (Feet - Relative)	Depth to Groundwater (Feet)	Product Thickness (Feet)	Groundwater Elevation (Feet - Relative)
MW-1	08-06-99	101.68	11.95	0.00	89.73
	11-05-99	101.68	12.72	0.00	88.96
	02-07-00	101.68	10.34	0.00	91.34
	05-05-00	101.68	10.59	0.00	91.09
	08-03-00	101.68	11.75	0.00	89.93
	11-08-00	101.68	11.67	0.00	90.01
	02-08-01	101.68	11.20	0.00	90.48
MW-2	08-06-99	101.57	10.83	0.00	90.74
	11-05-99	101.57	11.66	0.00	89.91
	02-07-00	101.57	9.23	0.00	92.34
	05-05-00	101.57	9.54	0.00	92.03
	08-03-00	101.57	10.69	0.00	90.88
	11-08-00	101.57	10.62	0.00	90.95
	02-08-01	101.57	10.17	0.00	91.40
MW-3	08-06-99	100.33	10.58	0.00	89.75
	11-05-99	100.33	11.39	0.00	88.94
	02-07-00	100.33	9.05	0.00	91.28
	05-05-00	100.33	9.29	0.00	91.04
	08-03-00	100.33	10.43	0.00	89.90
	11-08-00	100.33	10.33	0.00	90.00
	02-08-01	100.33	9.94	0.00	90.39

Note: A bench mark, with an assumed elevation of 100.00 feet (Above Mean Sea Level), is located at the corner of Washington Avenue and San Pablo Avenue. The bench mark is the top of the southeast bolt (painted white) in the street signal light base; all well elevations are relative to this. The elevations at each well were taken on the top of the well casing.

TABLE 2: SUMMARY OF ANALYTICAL RESULTS OF GROUNDWATER SAMPLING for TPHg, BTEX, MTBE and TPHd
Albany Hill Mini Mart
800 San Pablo Avenue, Albany, California

Sample ID	Date of Sampling	TPHg (µg/L)	MTBE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	TPHd µg/L
MW-1 GW	08/06/99	1500	ND	4.3	2.9	9.1	28	1200
	08/06/99	Polynuclear Aromatic Hydrocarbon Analyses by EPA method 610 were non-detect with detection limit 1.0 µg/L						
	11/05/99	1800	ND	5.1	3.2	8.9	33	1400
	02/07/00	1100	ND	3.3	1.9	5.6	21	890
	05/07/00	970	ND	2.9	1.7	4.9	18	650
	08/03/00	1200	360	190	43	41	160	270*
	11/08/00	4200	840**	990	200	130	560	230*
	02/08/01	2800	390	630	130	51	250	380*
MW-2 GW	08/06/99	ND	ND	ND	ND	ND	ND	340
	11/05/99	ND	ND	ND	ND	ND	0.7	420
	02/07/00	ND	ND	ND	ND	ND	0.6	310
	05/05/00	ND	ND	ND	ND	ND	ND	280
	08/03/00	460	3300	79	3	43	8	70*
	11/08/00	200	3000	57	2	13	8	120
	02/08/01	290	3100	50	11	0.6	4	80
MW-3 GW	08/06/99	ND	ND	ND	ND	ND	ND	ND
	11/05/99	92	ND	ND	ND	0.6	1.7	54
	02/07/00	120	ND	ND	0.6	0.8	2.2	71
	05/05/00	100	ND	ND	ND	0.7	1.9	68
	08/03/00	910	11000**	220	9	35	16	300*
	11/08/00	990	8000	320	0.8	18	9	200
	02/08/01	820	5200**	180	21	7	24	110
RL	11/10-15/00	50	0.5	0.5	0.5	0.5	1.0	50

Notes:
ND- Not Detected RL- Reporting Limit NA- Not Analyzed
µg/L- Microgram per liter (parts per billion)
TPHg- Total petroleum hydrocarbon as gasoline (EPA method modified 8015)
TPHd- Total petroleum hydrocarbon as diesel (EPA method modified 8015)
MTBE- Methyl Tertiary Butyl Ether (EPA method 8020)
BTEX Benzene, toluene, ethylbenzene, and total xylenes (EPA method 8015)
PAH Polynuclear Aromatic Hydrocarbon (EPA method 610)
* Does not match diesel pattern
** Confirmed by GC/MS method 8260



Source: U.S.G.S. Map Richmond Quadrangle
7.5 Minute Series (Topographic)
Aerial Photograph taken 1959 Map Edited 1980

FIGURE 1: SITE VICINITY MAP
ALBANY HILL MINI MART
800 San Pablo Avenue
Albany, California

ADVANCED ASSESSMENT AND REMEDIATION SERVICES
2380 Salvio Street, Suite 202
Concord, California

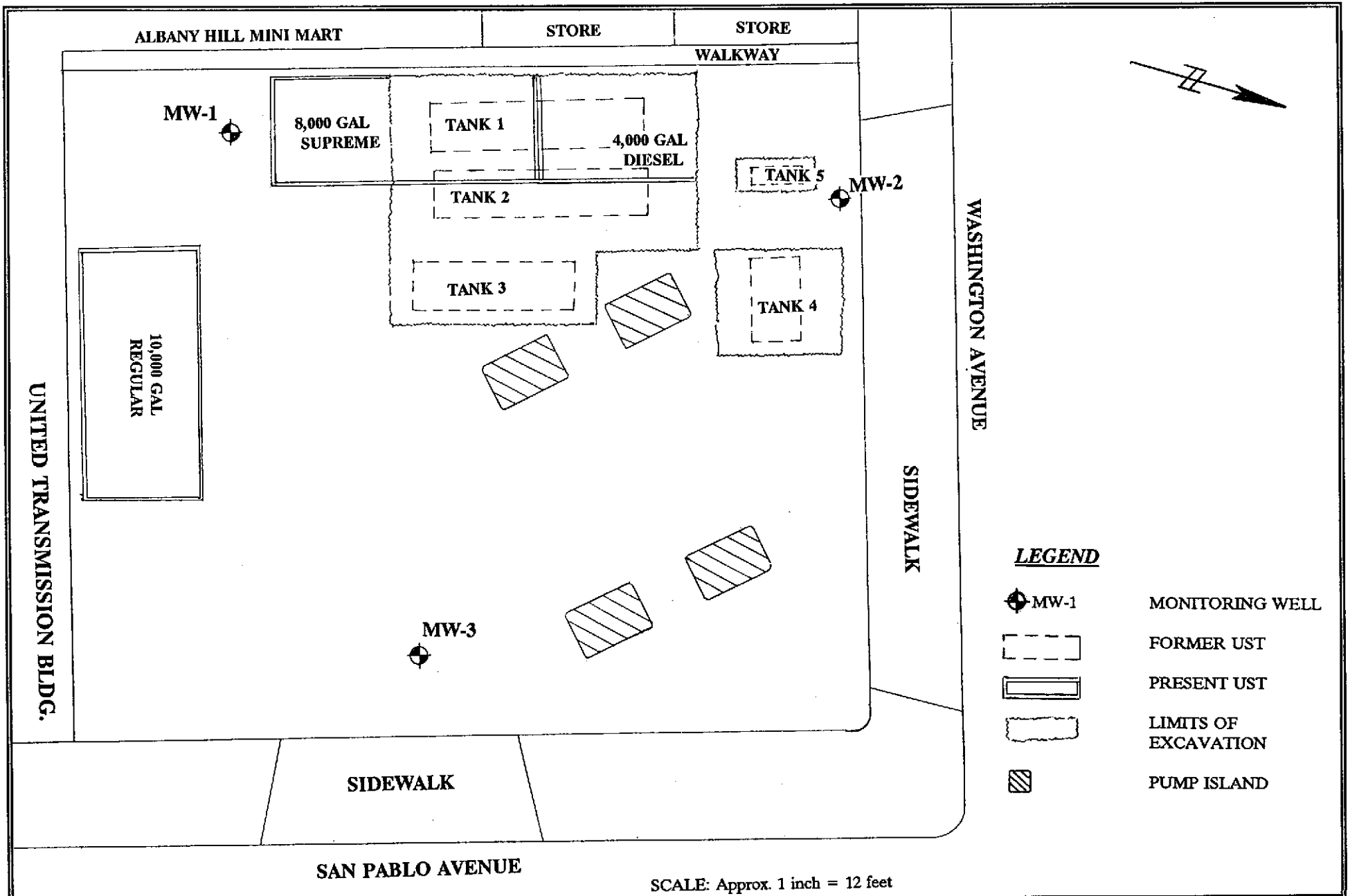
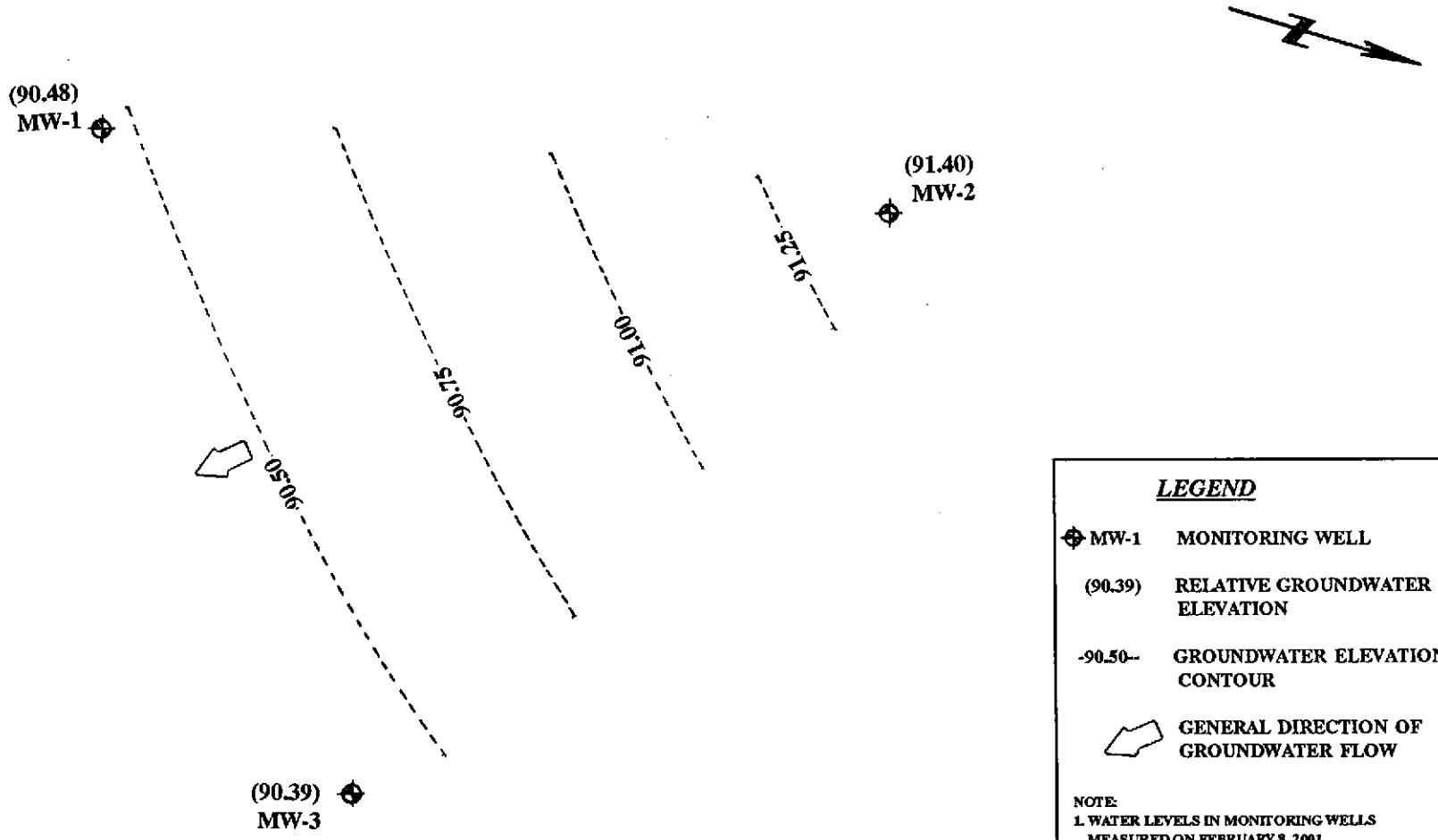


FIGURE 2: SITE PLAN
ALBANY HILL MINI MART
800 San Pablo Avenue
Albany, California

ADVANCED ASSESSMENT AND REMEDIATION SERVICES
2380 Salvio Street, Suite 202
Concord, California 94520



LEGEND

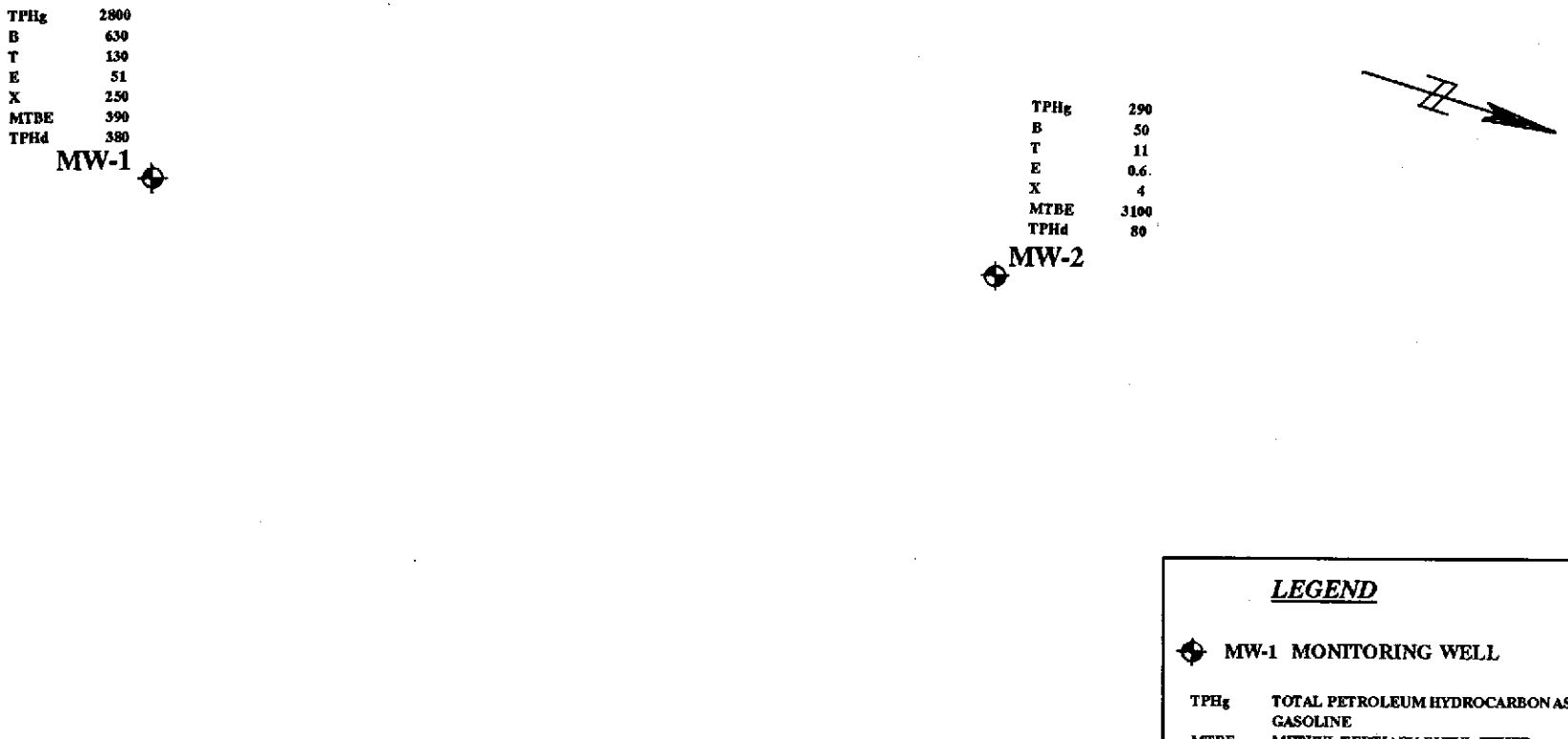
MW-1	MONITORING WELL
(90.39)	RELATIVE GROUNDWATER ELEVATION
-90.50-	GROUNDWATER ELEVATION CONTOUR
	GENERAL DIRECTION OF GROUNDWATER FLOW

NOTE:
1. WATER LEVELS IN MONITORING WELLS MEASURED ON FEBRUARY 8, 2001
2. CONTOUR INTERVAL = 0.25 FOOT
3. HYDRAULIC GRADIENT = 0.02 FOOT/FOOT

Scale:
Approximately 1 inch = 12 feet

FIGURE 3: GROUNDWATER SURFACE ELEVATIONS (02/08/01)
ALBANY HILL MINI MART
800 San Pablo Avenue
Albany, California

ADVANCED ASSESSMENT AND REMEDIATION SERVICES
2380 Salvio Street, Suite 202
Concord, California 94520



LEGEND

MW-1 MONITORING WELL

TPHg	TOTAL PETROLEUM HYDROCARBON AS GASOLINE
MTBE	METHYL TERTIARY BUTYL ETHER
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	XYLENES
TPHd	TOTAL PETROLEUM HYDROCARBON AS DIESEL

NOTE:
1. ALL CONCENTRATIONS ARE IN MICROGRAMS PER LITER (PARTS PER BILLION)
2. HYDROCARBON CONSTITUENTS WHICH WERE NOT DETECTED ARE NOT LISTED

SCALE

Approx. 1 inch = 12 feet

FIGURE 4: DISTRIBUTION OF DISSOLVED-PHASE HYDROCARBONS
ALBANY HILL MINI MART
800 San Pablo Avenue
Albany, California

ADVANCED ASSESSMENT AND REMEDIATION SERVICES
2380 Salvio Street, Suite 202
Concord, California 94520

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORKSHEET

PROJECT NAME: Albany Hill Mini Mart PROJECT NUMBER: 99005

SITE ADDRESS: 800 San Pablo Avenue, Albany, CA

WELL NUMBER: MW-1 WELL CASING DIA.: 2" DATE: 2-8-01

Stagnant Volume Calculation

Total Well Depth (ft)	- Initial Depth to Water	= Water Column Height (ft)	- Time: 9:34
24	11.20	12.80	

Water column Height (ft)	x Gallons/Linear Foot	= Stagnant Volume (Gallons)
12.80	0.17	2.17

(Gallons/Linear Foot: 2" dia. = 0.17; 4" dia. = 0.66; 6" dia. = 1.5)

Groundwater Inspection

Floating Product (ft. or in.): NONE Sheen/Iridescence: YES * Odor: YES *

Time	Volume Purged (gal)	Temperature (degrees F)	pH	Conductivity µS	Color/Turbidity/Other
11:10	0	60.4	6.70	2380	CLEAR
11:20	2	60.7	6.87	2397	SLIGHTLY TURBID BROWN
11:30	5	60.5	7.01	2420	" " "
11:40	7	60.6	7.03	2436	" " "

Purged Water Containment Purge Method Used:

7 gals stored in 1 55 gal (drums); Any previous drums? 1 Capacity 55

Groundwater Sampling Water Level Recovery (Depth to groundwater in feet)

(P) After purging: 12.15 (I) Initially: 11.20 (S) Before sampling: 11.29 Time: 13:28

(P-S)/P-I) x 100 = 100 % Total Recovery: 90 %. SAMPLE TIME 13:30

Sample Containers (How many? Preservatives?)

1 liter amber glass: 1; 40 ml VOA: 3; 500 ml polypropylene: X

REMARKS:

SAMPLER: TRIDIB GUHA **SIGNATURE:**

(Print)

ADVANCED ASSESSMENT AND REMEDIATION SERVICES

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORKSHEET

PROJECT NAME: Albany Hill Mini Mart PROJECT NUMBER: 99005

SITE ADDRESS: 800 San Pablo Avenue, Albany, CA

WELL NUMBER: MW-2 WELL CASING DIA.: 2" DATE: 2-8-01

Stagnant Volume Calculation

Total Well Depth (ft)	-	Initial Depth to Water	=	Water Column Height (ft)	-	Time: 9:32
24		10.19		13.81		

Water column Height (ft)	x	Gallons/Linear Foot	=	Stagnant Volume (Gallons)
13.81		0.17		2.35

(Gallons/Linear Foot: 2" dia. = 0.17; 4" dia. = 0.66; 6" dia. = 1.5)

Groundwater Inspection

Floating Product (ft. or in.): NONE Sheen/Iridescence: NONE Odor:

Time	Volume Purged (gal)	Temperature (degrees F)	pH	Conductivity µS	Color/Turbidity/Other
9:40	0	56.8	6.89	1258	CLEAR
9:50	2	56.6	7.01	1266	SLIGHTLY TURBID BROWNISH
10:00	5	56.6	7.00	1273	" " "
10:10	7	56.7	6.98	1269	" " "

Purged Water Containment Purge Method Used:

7 gals stored in 1 55 gal (drums); Any previous drums? 1 Capacity 55

Groundwater Sampling Water Level Recovery (Depth to groundwater in feet)

(P) After purging: 11.17 (I) Initially: 10.19 (S) Before sampling: 10.24 Time: 12:58

(P-S)/P-I) x 100 = 100 % Total Recovery: 95 % SAMPLE TIME 13:0

Sample Containers (How many? Preservatives?)

1 liter amber glass: 1; 40 ml VOA: 3; 500 ml polypropylene: x

REMARKS:

SAMPLER: TRIDIB GUHA SIGNATURE:

(Print)

ADVANCED ASSESSMENT AND REMEDIATION SERVICES

GROUNDWATER MONITORING WELL PURGE/SAMPLING WORKSHEET

PROJECT NAME: Albany Hill Mini Mart PROJECT NUMBER: 99005

SITE ADDRESS: 800 San Pablo Avenue, Albany, CA

WELL NUMBER: MW-3 WELL CASING DIA.: 2" DATE: 2-8-01

Stagnant Volume Calculation

Total Well Depth (ft)	- Initial Depth to Water	= Water Column Height (ft)	- Time:
24	9.94	14.06	9:30

Water column Height (ft) x	Gallons/Linear Foot	= Stagnant Volume (Gallons)
14.06	0.17	2.39

(Gallons/Linear Foot: 2" dia. = 0.17; 4" dia. = 0.66; 6" dia. = 1.5)

Groundwater Inspection

Floating Product (ft. or in.): NONE Sheen/Iridescence: NONE Odor: YES

Time	Volume Purged (gal)	Temperature (degrees F)	pH	Conductivity µS	Color/Turbidity/Other
10:25	0	61.2	6.79	1732	CLEAR
10:35	2	61.3	6.88	1829	SLIGHTLY TURBID GRAY
10:45	5	61.4	6.96	1864	" " "
10:55	7	61.4	6.97	1847	" " "

Purged Water Containment Purge Method Used:

7 gals stored in 1 55 gal (drums); Any previous drums? 1 Capacity 55

Groundwater Sampling Water Level Recovery (Depth to groundwater in feet)

(P) After purging: 10.98 (I) Initially: 9.94 (S) Before sampling: 10.01 Time: 13:13

(P-S)/P-I) x 100 = 100 % Total Recovery: 93% SAMPLE TIME 13:15

Sample Containers (How many? Preservatives?)

1 liter amber glass: 1 ; 40 ml VOA: 3 ; 500 ml polypropylene: X

REMARKS:

SAMPLER: TRIDIB GUHA **SIGNATURE:** Tridib K. Guha

(Print)

ADVANCED ASSESSMENT AND REMEDIATION SERVICES

North State Environmental Laboratory
CA ELAP # 1753
90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 01-0185
Client: Advanced Assessment & Remd.
Project: ALBANY HILL MINI MART/800 SAN PABLO AVE.

Date Reported: 02/16/2001

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015M

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 01-0185-01 Client ID: MW-1 GW				02/08/2001	WATER
Gasoline	8015M	2800	ug/L		02/13/2001
Benzene	8020	630	ug/L		
Ethylbenzene	8020	130	ug/L		
MTBE	8020	**390**	ug/L	MTBE	
Toluene	8020	51	ug/L		
Xylenes	8020	250	ug/L		
Diesel	8015M	*0.38	mg/L		02/14/2001
Sample: 01-0185-02 Client ID: MW-2 GW				02/08/2001	WATER
Gasoline	8015M	290	ug/L		02/13/2001
Benzene	8020	50	ug/L		
Ethylbenzene	8020	11	ug/L		
MTBE	8020	**3100**	ug/L	MTBE	
Toluene	8020	0.6	ug/L		
Xylenes	8020	4	ug/L		
Diesel	8015M	0.08	mg/L		02/14/2001
Sample: 01-0185-03 Client ID: MW-3 GW				02/08/2001	WATER
Gasoline	8015M	820	ug/L		02/13/2001
Benzene	8020	180	ug/L		
Ethylbenzene	8020	21	ug/L		
MTBE	8020	**5200	ug/L	MTBE	
Toluene	8020	7	ug/L		

*Does not match diesel pattern**Confirmed by GC/MS

North State Environmental Laboratory
CA ELAP # 1753
90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 01-0185
Client: Advanced Assessment & Remd.
Project: ALBANY HILL MINI MART/800 SAN PABLO AVE.

Date Reported: 02/16/2001

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015M

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 01-0185-03	Client ID: MW-3 GW			02/08/2001	WATER
Xylenes	8020	24	ug/L		
Diesel	8015M	0.11	mg/L		02/14/2001

*Does not match diesel pattern**Confirmed by GC/MS

North State Environmental Laboratory
CA ELAP # 1753
90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 01-0185
Client: Advanced Assessment & Remd.
Project: ALBANY HILL MINI MART/800 SAN PABLO AVE.

Date Reported: 02/16/2001

Gasoline,BTEX and MTBE by Methods 8015M and 8020
Diesel Range Hydrocarbons by Method 8015M

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Gasoline	8015M	50	ug/L	ND	129	1
Benzene	8020	0.5	ug/L	ND	95	5
Toluene	8020	0.5	ug/L	ND	111	5
Ethylbenzene	8020	0.5	ug/L	ND	110	6
Xylenes	8020	1.0	ug/L	ND	109	10
MTBE	8020	0.5	ug/L	ND	88	4
Diesel	8015M	0.05	mg/L	ND	68/70	4

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

01-0185

North State Environmental Analytical Laboratory

90 South Spruce Avenue, Suite W, South San Francisco, CA 94080
Phone: (650) 266-4563 Fax: (650) 266-4560

Chain of Custody / Request for Analysis
Lab Job No.:_____ Page 1 of 1

Client: ADVANCED ASSMT. + REMD. SVC.	Report to: TRIDIB GUHA	Phone: 925-363-1999	Turnaround Time: 5 DAY
Mailing Address: 2380 SALVIO ST., STE 202 CONCORD, CA 94520	Billing to: SAME	Fax: 925-363-1998	
		PO# / Billing Reference:	Date: 2-8-01
			Sampler: T. GUHA

Project / Site Address: ALBANY HILL MINI MART, 800 SAN PABLO AVE, ALBANY, CA

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPHg/BTEX/MTBE	TPHd	Comments / Hazards
MW-1 GW	WATER	3 VOAs 1 L. AMB	HCL	2/8/01 13:30	X	X	
MW-2 GW	"	3 VOAs 1 L. AMB	"	13:00	X	X	
MW-3 GW	"	3 VOAs 1 L. AMB	"	13:15	X	X	

Relinquished by: [signature] Date: 2-8-01 Time: 18:45 Received by: [signature]

Relinquished by: Date: Time: Received by:

Relinquished by: Date: Time: Received by:

Lab Comments: Samples received in good Condition

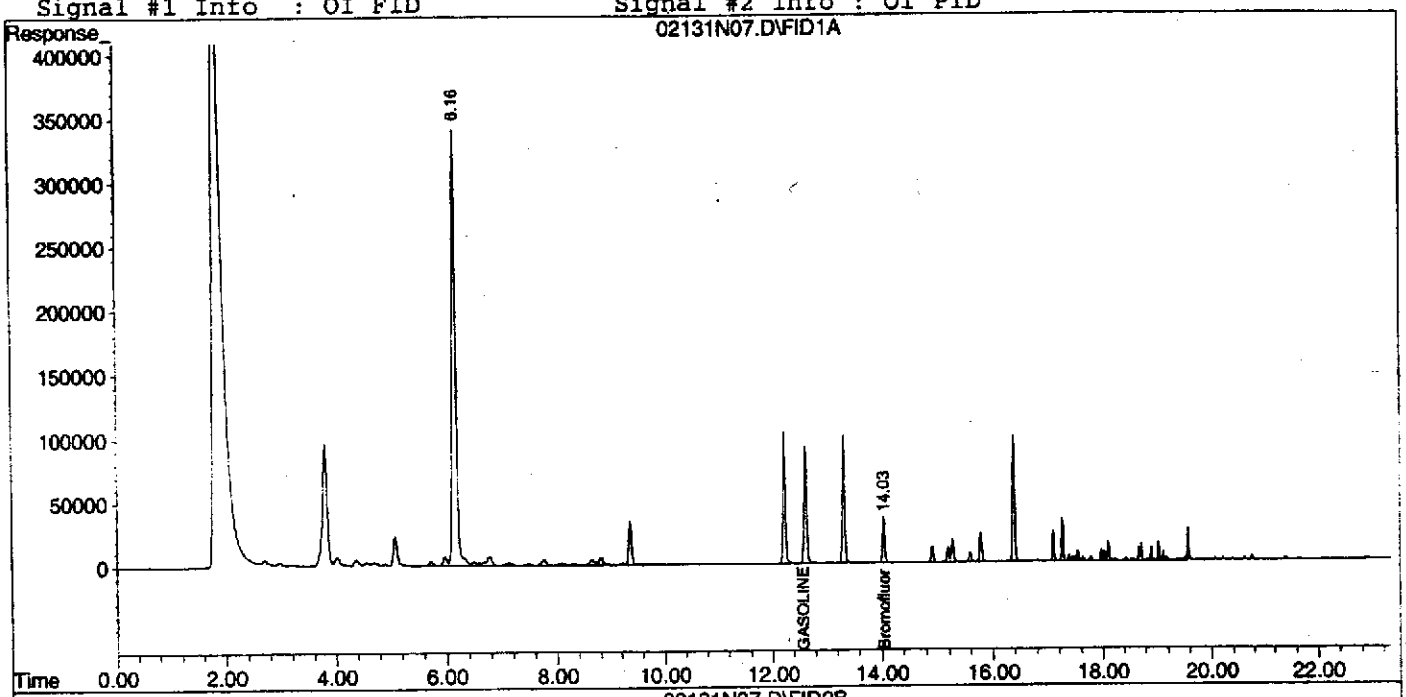
Quantitation Report

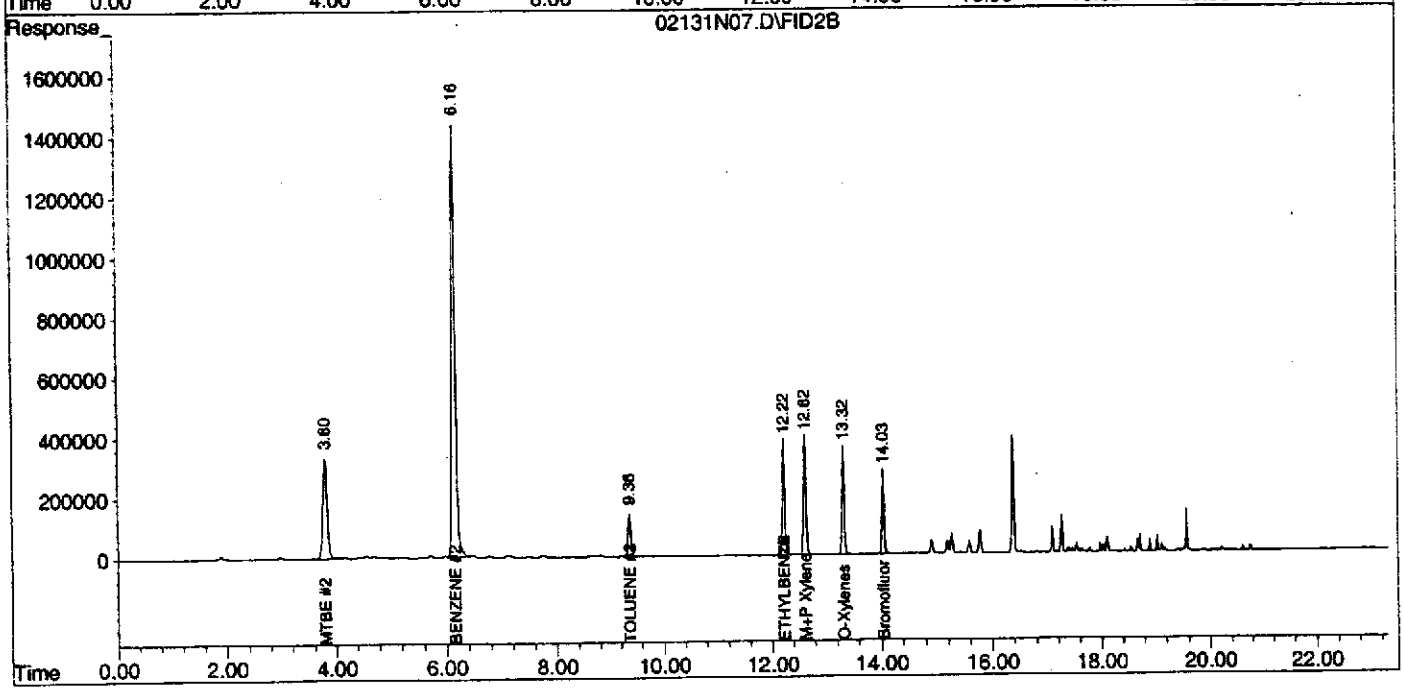
Data File : C:\HPCHEM\2\DATA\02131N07.D\FID1A.CH Vial: 7
Acq On : 13 Feb 20101 4:59 pm Operator: ec
Sample : 01-0185-01 Inst : GC/MS Ins
Misc : water 5ml Multiplr: 1.00
IntFile : TRY1.E

Data File : C:\HPCHEM\2\DATA\02131N07.D\FID2B.CH Vial: 7
Acq On : 13 Feb 101 4:59 pm Operator: ec
Sample : 01-0185-01 Inst : GC/MS Ins
Misc : water 5ml Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 13 17:22 19101 Quant Results File: GBX.RES

Quant Method : C:\HPCHEM\2\METHODS\GBX.M (Chemstation Integrator)
Title : Gasoline Aromatics (BTEX-MTBE)
Last Update : Tue Jan 02 13:19:58 2001
Response via : Multiple Level Calibration
DataAcq Meth : GBX.M

Volume Inj. : 5 mL Purge volume
Signal #1 Phase : DB-624 30M x 0.53 Signal #2 Phase: DB-624 30M x 0.53mm
Signal #1 Info : OI FID Signal #2 Info : OI PID





Quantitation Report

Data File : C:\HPCHEM\2\DATA\02131N08.D\FID1A.CH
Acq On : 13 Feb 20101 5:30 pm
Sample : 01-0185-02
Misc : water 5ml
IntFile : TRY1.E

Vial: 8
Operator: ec
Inst : GC/MS Ins
Multiplr: 1.00

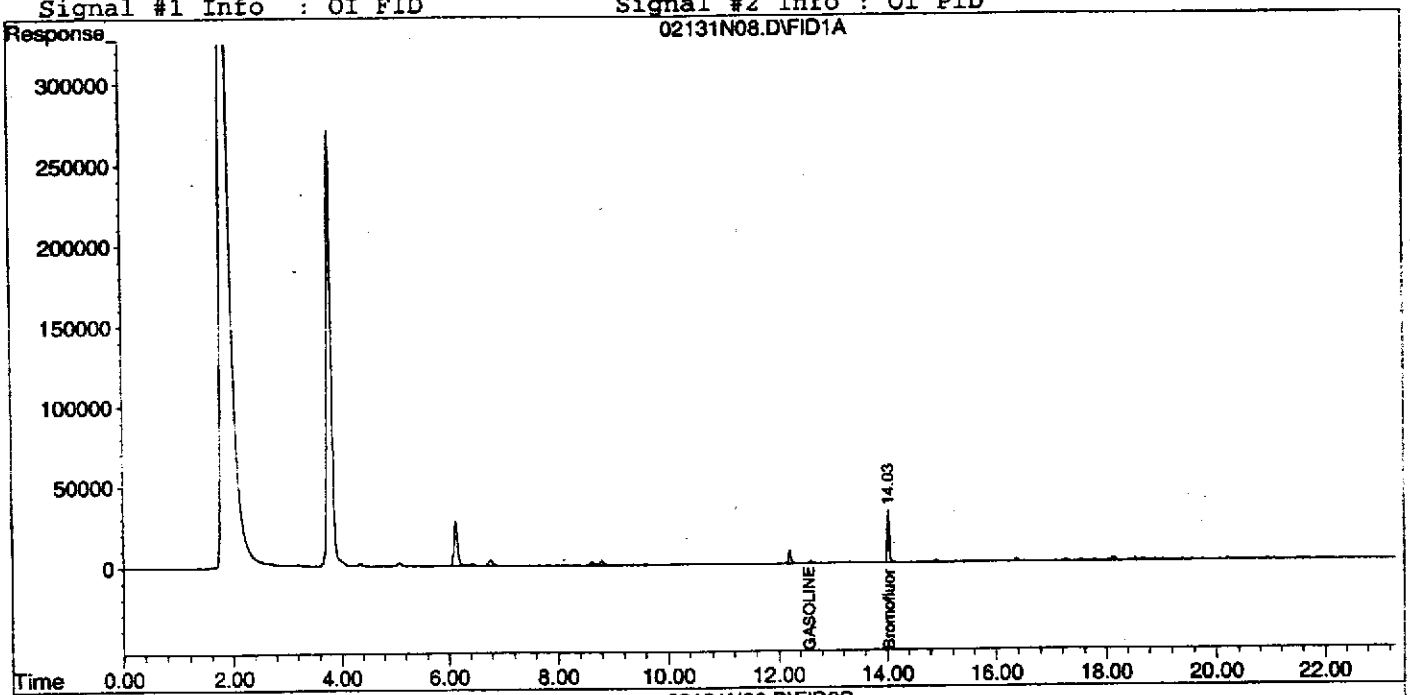
Data File : C:\HPCHEM\2\DATA\02131N08.D\FID2B.CH
Acq On : 13 Feb 101 5:30 pm
Sample : 01-0185-02
Misc : water 5ml
IntFile : AUTOINT1.E

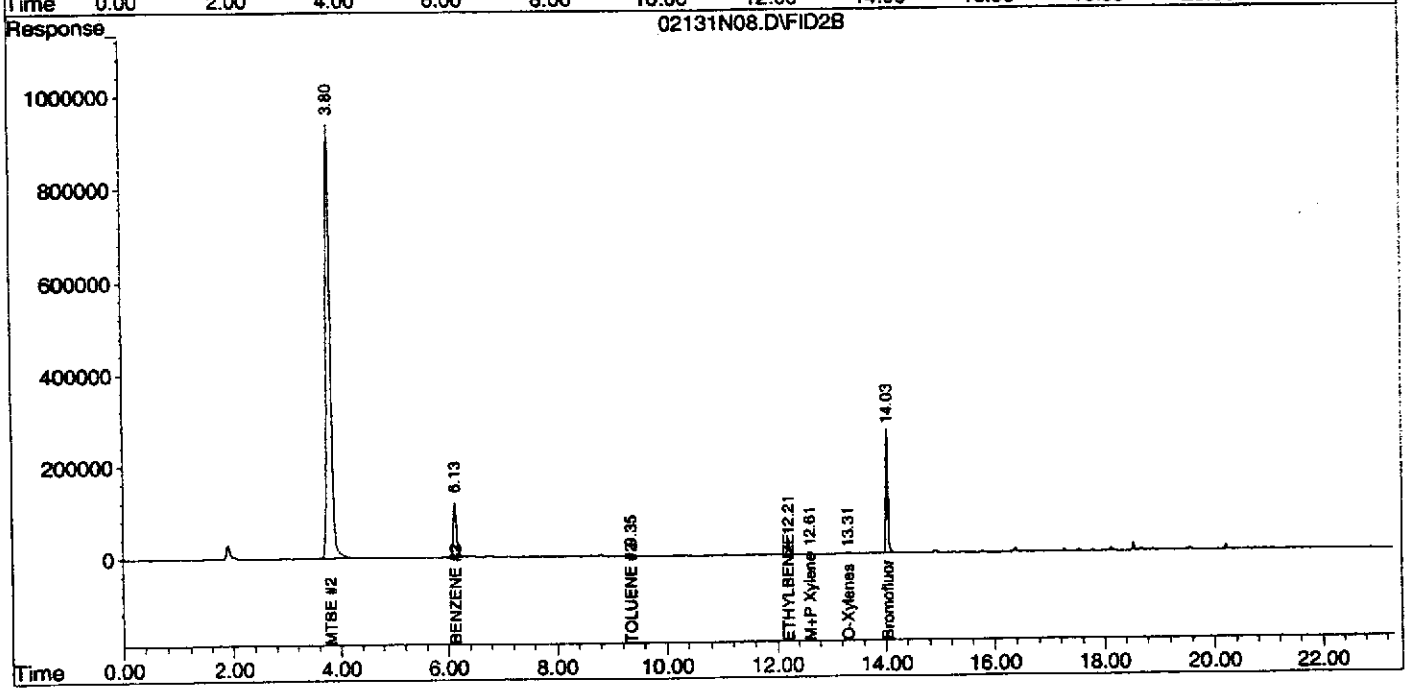
Vial: 8
Operator: ec
Inst : GC/MS Ins
Multiplr: 1.00

Quant Time: Feb 13 17:53 19101 Quant Results File: GBX.RES

Quant Method : C:\HPCHEM\2\METHODS\GBX.M (Chemstation Integrator)
Title : Gasoline Aromatics (BTEX-MTBE)
Last Update : Tue Jan 02 13:19:58 2001
Response via : Multiple Level Calibration
DataAcq Meth : GBX.M

Volume Inj. : 5 mL Purge volume
Signal #1 Phase : DB-624 30M x 0.53 Signal #2 Phase: DB-624 30M x 0.53mm
Signal #1 Info : OI FID Signal #2 Info : OI PID





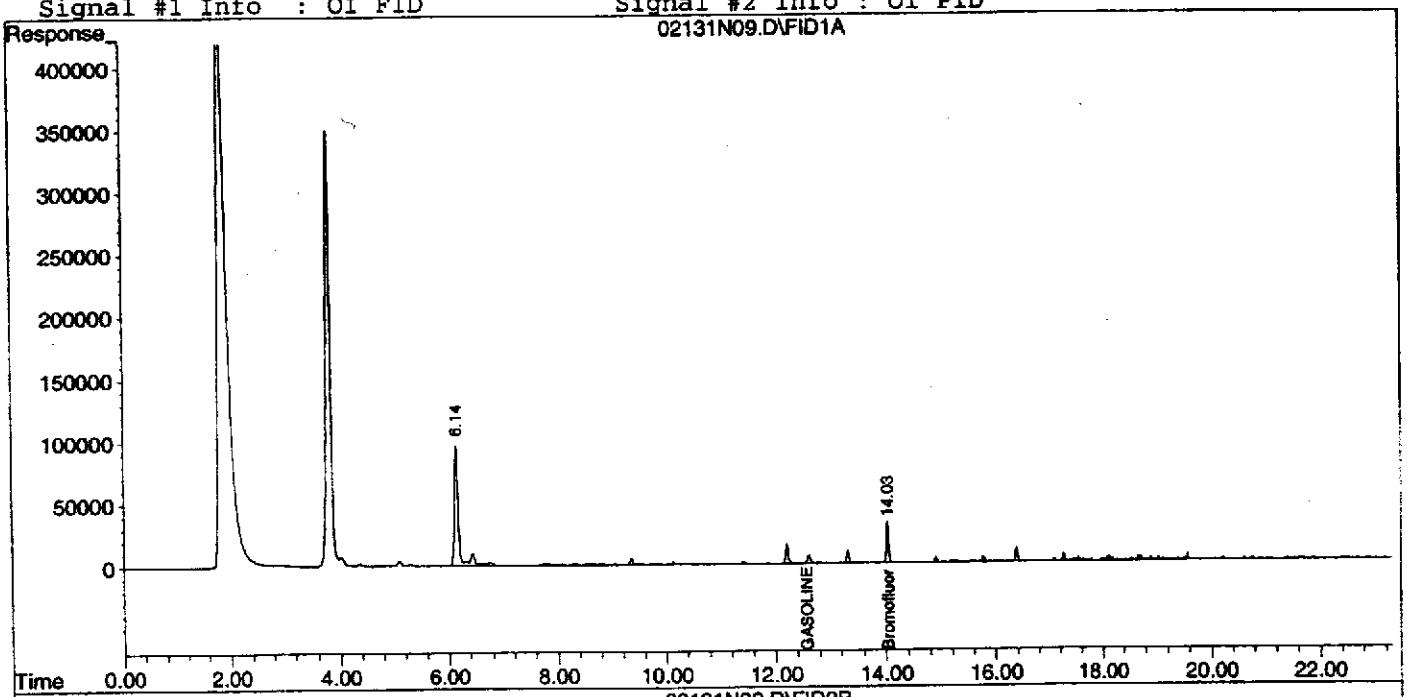
Quantitation Report

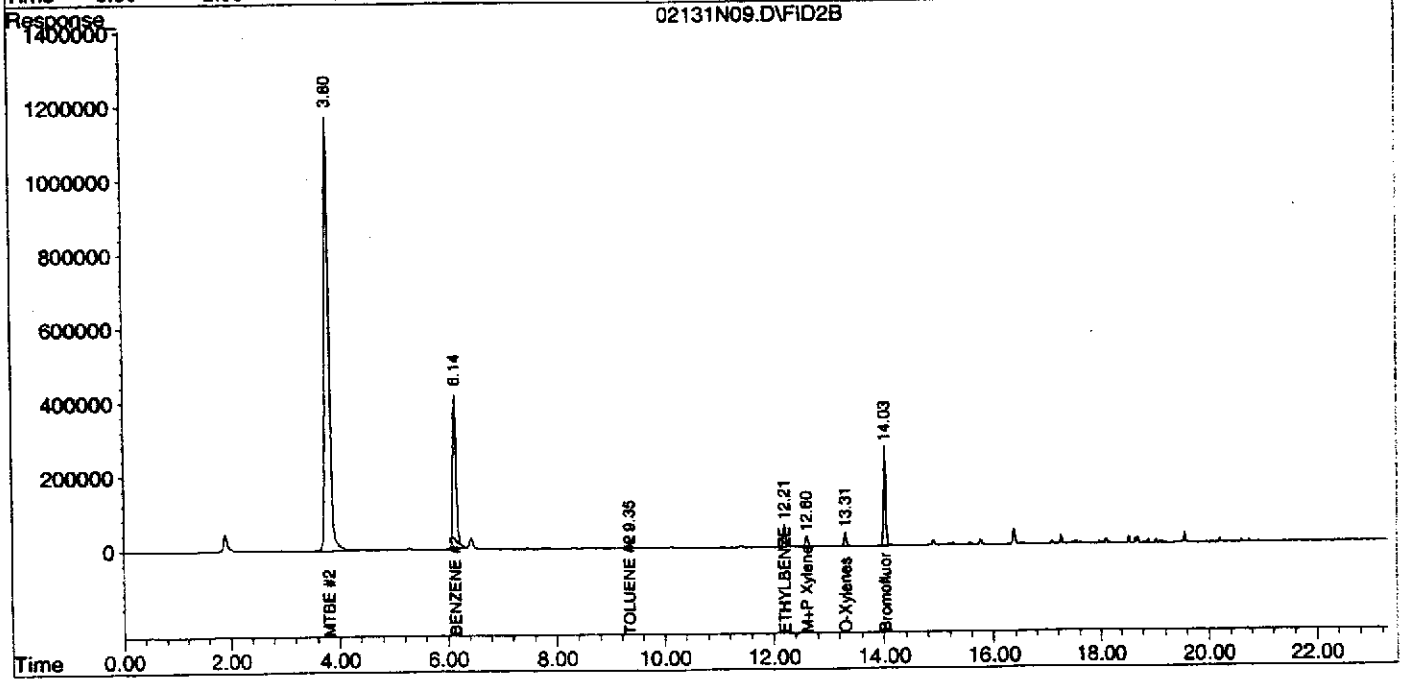
Data File : C:\HPCHEM\2\DATA\02131N09.D\FID1A.CH Vial: 9
Acq On : 13 Feb 20101 6:01 pm Operator: ec
Sample : 01-0185-03 Inst : GC/MS Ins
Misc : water 5ml Multiplr: 1.00
IntFile : TRY1.E

Data File : C:\HPCHEM\2\DATA\02131N09.D\FID2B.CH Vial: 9
Acq On : 13 Feb 101 6:01 pm Operator: ec
Sample : 01-0185-03 Inst : GC/MS Ins
Misc : water 5ml Multiplr: 1.00
IntFile : AUTOINT1.E
Quant Time: Feb 13 18:25 19101 Quant Results File: GBX.RES

Quant Method : C:\HPCHEM\2\METHODS\GBX.M (Chemstation Integrator)
Title : Gasoline Aromatics (BTEX-MTBE)
Last Update : Tue Jan 02 13:19:58 2001
Response via : Multiple Level Calibration
DataAcq Meth : GBX.M

Volume Inj. : 5 mL Purge volume
Signal #1 Phase : DB-624 30M x 0.53 Signal #2 Phase: DB-624 30M x 0.53mm
Signal #1 Info : OI FID Signal #2 Info : OI PID





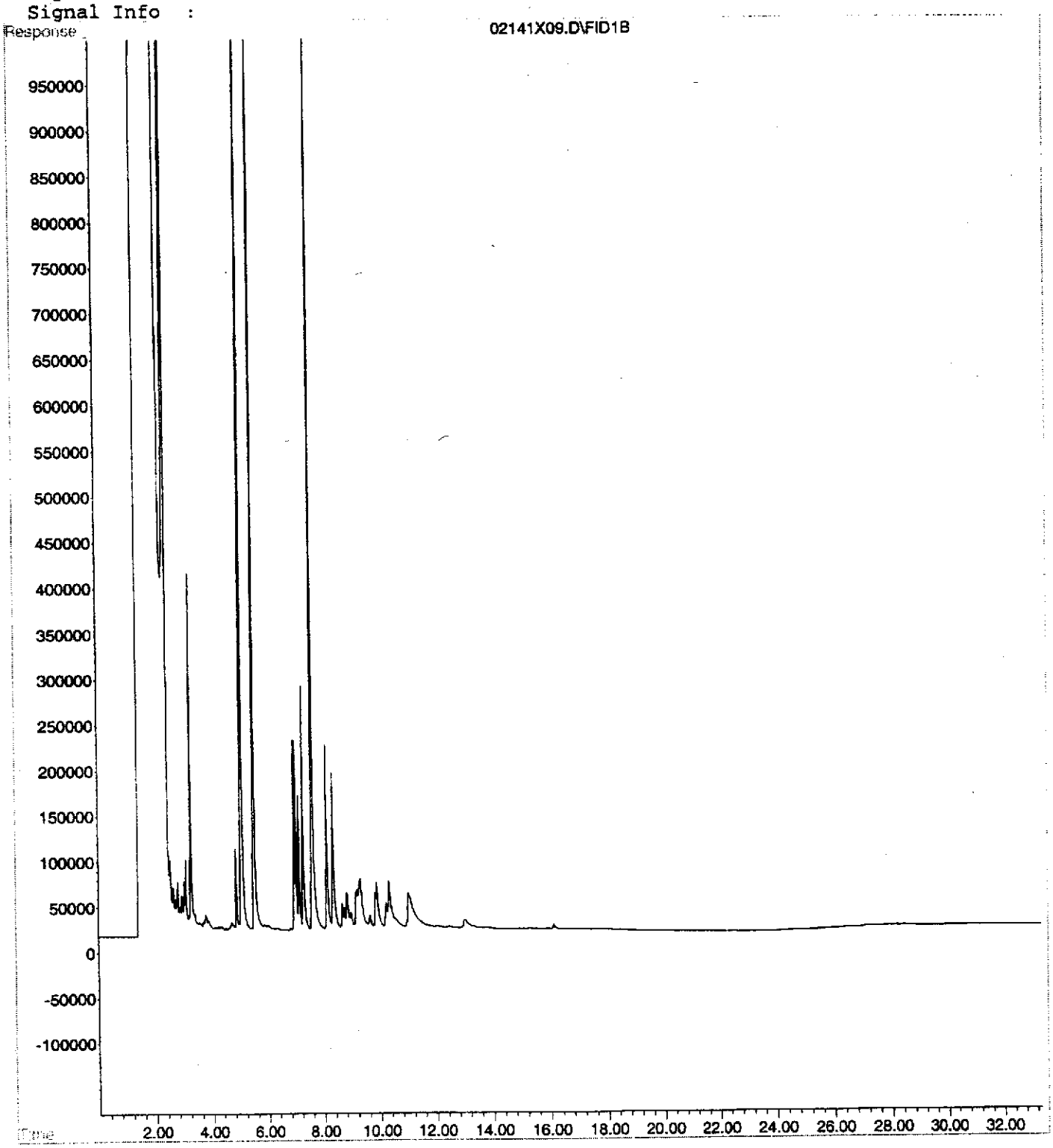
Quantitation Report

Data File : E:\HPCHEM\1\DATA\02141X09.D
Acq On : 2-14-01 8:21:32 PM
Sample : 01-0185-01
Misc : water
IntFile : EVENTS.E
Quant Time: Feb 14 20:54 2001 Quant Results File: TPH.RES

Vial: 9
Operator: my
Inst : GC/MS Ins
Multiplr: 0.01

Quant Method : E:\HPCHEM\1\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Mon Feb 05 16:00:16 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal Phase :
Signal Info :



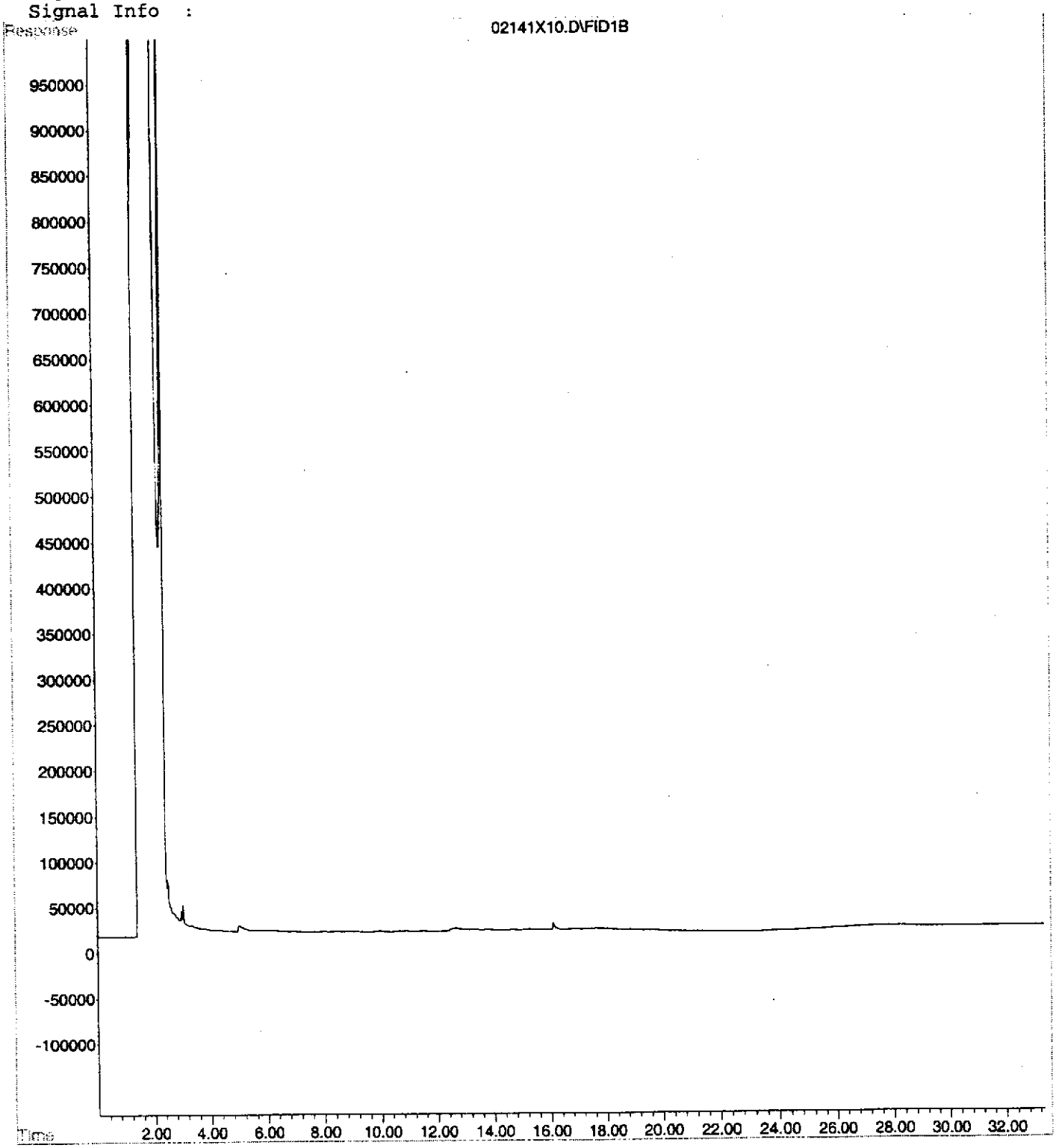
Quantitation Report

Data File : E:\HPCHEM\1\DATA\02141X10.D
Acq On : 2-14-01 9:07:58 PM
Sample : 01-0185-02
Misc : water
IntFile : EVENTS.E
Quant Time: Feb 14 21:41 2001 Quant Results File: TPH.RES

Vial: 10
Operator: my
Inst : GC/MS Ins
Multiplr: 0.01

Quant Method : E:\HPCHEM\1\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Mon Feb 05 16:00:16 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal Phase :
Signal Info :



Quantitation Report

Data File : E:\HPCHEM\1\DATA\02141X11.D
Acq On : 2-14-01 9:54:24 PM
Sample : 01-0185-03
Misc : water
IntFile : EVENTS.E
Quant Time: Feb 14 22:27 2001 Quant Results File: TPH.RES

Vial: 11
Operator: my
Inst : GC/MS Ins
Multiplr: 0.01

Quant Method : E:\HPCHEM\1\METHODS\TPH.M (Chemstation Integrator)
Title :
Last Update : Mon Feb 05 16:00:16 2001
Response via : Multiple Level Calibration
DataAcq Meth : TPH.M

Volume Inj. :
Signal Phase :
Signal Info :