Richard W. Ely
Registered Geologist #4137
2138 Green Hill Rd.
Sebastopol, CA 95472
707-824-4836

October 29, 2001

Mr. Don Hwang
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-8577

Groundwater Monitoring Report
Salle's Paint & Body Shop
1049 9th Avenue
Oakland, CA 94606

01-11-05P05:

Dear Mr. Hwang:

Mr. Richard Ely, Registered Geologist, has been retained by Mr. Dick Cochran to prepare this Groundwater Monitoring Report for a former waste-oil underground storage tank (UST) located at Salle's Paint & Body Shop, 1049 9th Avenue, California (site) (Figure 1). The Alameda County Health Care Services Agency (ACHCSA) requested this investigation, which provides the results of the second of four proposed quarterly monitoring events that the site.

BACKGROUND

The site is owned by C&C Property Management Trust, and has been occupied by Salle's Paint & Body Shop since approximately 1981. With the exception of a small parking area on the west, the site is entirely occupied by a large building that fronts on the sidewalks on the east and north and the property line on the south.

UST Removal Activities

Walker's Hydraulics Inc. of Concord, California removed a 280-gallon UST for waste oil from the site on July 20, 1994. Barney Chan of the ACHCSA witnessed the removal. The UST was located beneath the sidewalk on the 9th Avenue side of the building. Touchstone Developments of San Francisco, California observed the tank removal and collected two soil samples from the excavation, and a four-fold composite-sample from the spoil pile. The field activities and analytical results were presented in an Underground Storage Tank Removal Report dated August 3, 1994.

September 2000 Monitoring Well Installations
On September 8, 2000, three soil borings were constructed and converted into monitoring wells to assess the groundwater gradient and the impact to the shallow ground water. The soil borings were drilled to approximately 20 feet depth. Figure 2 shows the locations of wells.

The wells were screened to monitor the first water-bearing zone encountered. Fifteen feet of well screen was used in the wells, with approximately 4.8-ft of blank casing on top. The wells were constructed with flush-threaded, 2-inch diameter Schedule 40 PVC blank casing with 0.010-inch factory-milled screen size. Number #2/12 RMC sand was used in the annular space around the well screen to approximately one foot above the top of the screen. One foot of bentonite pellets was used to separate the sand from the sanitary surface seal (grout).

WELL SAMPLING

Water level measurements were made in all wells using an electronic water level meter and noted on the sampling form (Appendix A). Well MW-1 was sampled by Environmental Sampling Services on September 18, 2001. Wells MW-2 and MW-3 were not sampled because they have been non-detect for all analytes.

Prior to sampling, well MW-1 was checked for the presence of free-phase hydrocarbons using an interface probe, clear bailer, or tape with product detection paste. The well was purged of a minimum of five well-casing volumes of water using a pre-cleaned sampling pump. Temperature, pH and electrical conductivity were measured at least three times during purging. Purging continued until these parameters had stabilized (i.e., changes in temperature, pH or conductivity did not exceed ±0.5 F, 0.1 or 5 percent, respectively).

The purge water was stored temporarily on-site in DOT 17H 55-gallon drums pending analytic results. The drums were labeled with the date, contents, and the field personnel initials, and telephone number.

Groundwater samples were collected from the well with new disposable PVC bailers. For the sample to be analyzed for Halogenated Volatile Organic Compounds (HVOCs), a bottom-emptying device was used to minimize loss of volatile components. The samples were labeled to include sample ID, date, preservative, and the field technician's initials. The samples were placed in polyethylene bags and in a chilled ice chest for transport under chain-of-custody to the laboratory.

Laboratory Analysis
Analytical Sciences, of Petaluma, California, a state-certified laboratory analyzed the samples using methods approved by the California Regional Water Quality Control Board (CRWQCB) and the Environmental Protection Agency (EPA). The laboratory analyzed the water samples for TPHg (EPA Method 8015 Modified); TPHd (EPA Method 8015 Modified); BTEX compounds and methyl-tert-butyl-ether (MTBE) (EPA Method 8020); and HVOCs (EPA Method 8010).

Analyses for Oil & Grease (EPA Method 418.1) and Semi-Volatile Organic Compounds (EPA Method 8270) were discontinued because these methods had yielded non-detect results in the previous sampling event. Don Hwang of the ACHCSA, in a letter dated February 13, 2001, approved the discontinuation of these analyses.

Disposal of Wastewater
Water from equipment decontamination and well sampling was stored in DOT 17-H 55-gallon drums. The water will be disposed of in accordance with State and local regulations.

HYDROGEOLOGY

The site is situated at an elevation of 18-feet (ft) above Mean Sea Level in an area of apartment buildings and small businesses. The Oakland Inner Harbor (part of San Francisco Bay) lies 1100 feet to the south. Late Pleistocene age alluvial fan deposits of the Temescal Formation underlie the site. These materials have moderate permeability and consist primarily of interfingering lenses of clayey gravel, sandy silty clay, and sand-silt-clay mixtures.

On September 18, 2001 the depth to static groundwater ranged from 11.13 to 12.50 ft below top-of-casing (Table 1). The water table gradient and flow direction were 0.033 ft/ft and S35°E, respectively (Figure 2).

ANALYTICAL RESULTS

Laboratory analytical data sheets are included in Appendix B.

No MTBE (Method 8020) was detected in the groundwater sample from MW-1 (Table 2).

In monitoring well MW-1, positive detections were reported for TPH-diesel (TPHd) (63 µg/l), TPH-gasoline (TPHg) (250 µg/l), toluene (3.1 µg/l), ethyl benzene (3.3 µg/l), and xylenes (3.4 µg/l). The laboratory reported the diesel-range compounds to be the high-boiling components of gasoline.

Chlorobenzene was detected at 0.82 µg/l (Method 8010) in MW-1; no other chlorinated solvents were reported.

DISCUSSION

After four monitoring episodes, TPH-gasoline, TPH-diesel (probably weathered gasoline), BTEX compounds and chlorobenzene are the only contaminants detected to date at the site. Probably some gasoline was disposed of in the waste-oil tank along with oil. and grease. Because gasoline-range compounds and BTEX are more mobile than oil, they have been detected in monitoring well MW-1.

The concentrations of TPHg , benzene, ethyl benzene, xylenes and chlorobenzene have all declined since groundwater monitoring began in September 2000 (Table 1). TPHd has declined since March 2001. Toluene has fluctuated between <0.5 µg/l and 4.5 µg/l since September 2000.

Chlorobenzene has been detected twice, and the concentration has declined somewhat from the initial detection in September 2000.

Concentrations of chlorobenzene and the BTEX compounds are below the California State Maximum Contaminant Levels (MCLs). Benzene is the only compound that has exceeded the California State MCL. These data are summarized below:

Compound	California State MCL (µg/l)	Maximum Concentration (µg/l)	Concentration on 09/18/ 2001 (µg/l)
Chlorobenzene	70	1.1	0.82
Benzene	1.0	1.7	<0.5
Toluene	150	4.5	3.1
Ethyl Benzene	700	3.5	3.3
Total Xylenes	1,750	9.8	3.4

The plume is confined to the immediate vicinity of the former UST location. Downgradient wells MW-2 and MW-3 located about 50 ft from the former UST have had no detections of these compounds.

CONCLUSIONS

Concentrations of BTEX compounds and chlorobenzene are below California State MCLs for these compounds. Concentrations of TPHg, BTEX and chlorobenzene have declined slightly during since monitoring began. The concentration of TPHd has declined from 170 µg/l to 63 µg/l since March 2001, and may have declined since September 2000 (the reporting limit for that event was 100 µg/l).

Slow degradation of the contaminants is taking place and will continue to do so in the future.

RECOMMENDATIONS

The site should be considered for case closure.

If the site not closed, monitoring should be done on a biannual basis beginning in March 2002.

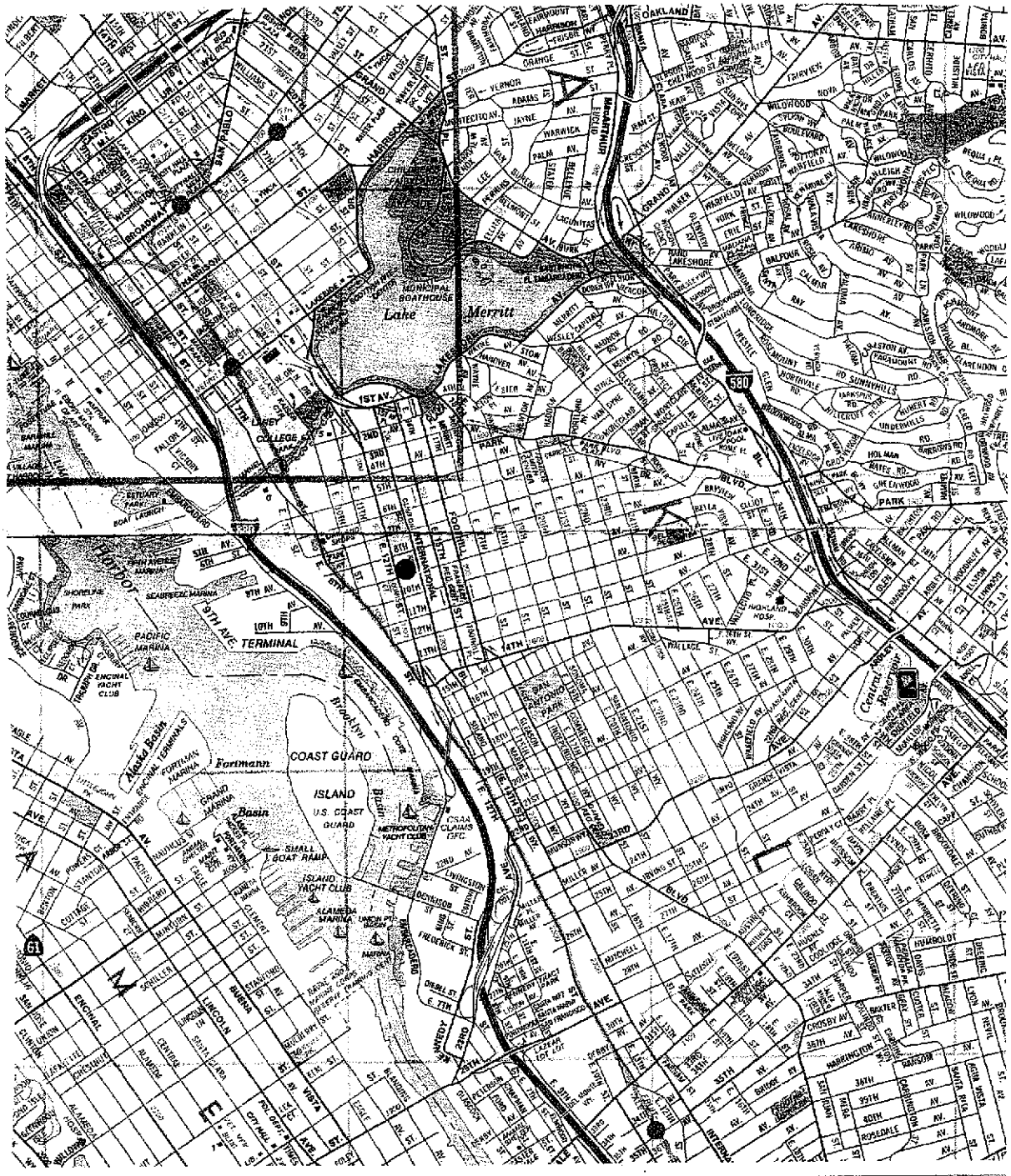
Sincerely,

Richard W. Ely RG #4137
2138 Green Hill Rd.
Sebastopol, CA 95472
707-824-4836

The following Figures, Tables and Appendixes are attached:

Figure 1	Site Location Map
Figure 2	Groundwater Elevation Map
Table 1.	Excavation Soil Sample Analytical Results
Table 2.	Groundwater Elevations
Table 3.	Monitoring Well Soil Sample Analytical Results
Table 4.	Groundwater Sample Analytical Results
Appendix A	Well Sampling Data Sheets
Appendix B	Laboratory Analytical Data Sheets

cc: Dick Cochran



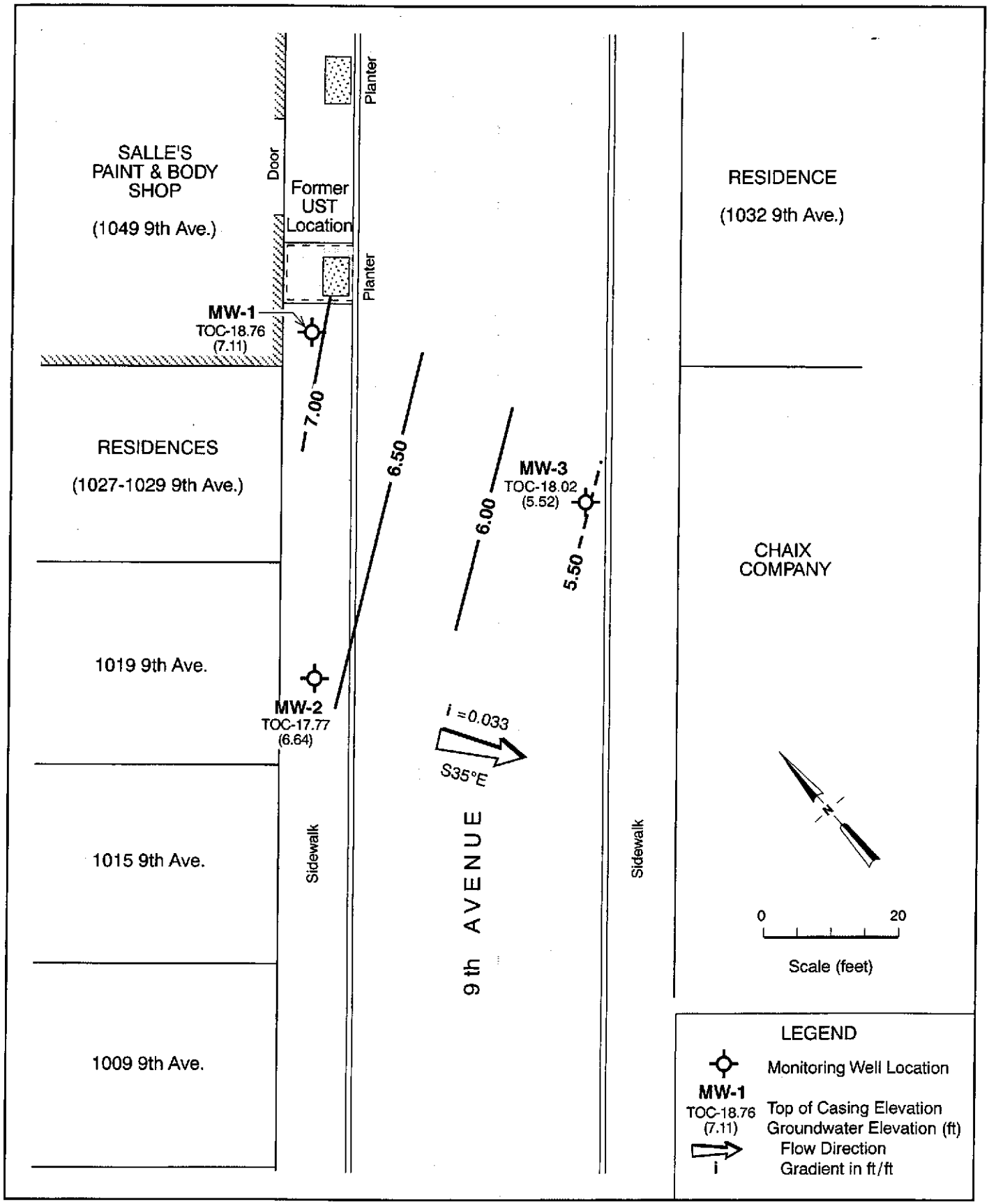
RICHARD ELY
REGISTERED GEOLOGIST

LOCATION MAP
1049 9th Avenue
Oakland, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
TRACE 165	R. Ely	December 1999	

(TRACE #165/RG/17Dec99)



RICHARD ELY
REGISTERED GEOLOGIST

GROUNDWATER ELEVATIONS,
18 September 2001
1049 9th Avenue
Oakland, California

FIGURE
2

JOB REFERENCE	REVIEWED BY	DATE	REVISED DATE
Salle's Paint & Body Shop	Richard Ely	April 2001	October 2001

(TRACE #301/RG/26Oct01)

TABLE 1

GROUNDWATER ELEVATIONS

SALLE'S PAINT & BODY SHOP,

1049 9TH AVENUE, OAKLAND, CALIFORNIA

Well ID	Date	Top of Casing Elevation*	Depth to Groundwater	Groundwater Elevation*	Gradient
MW-1	09/29/00	18.76	11.35	7.41	0.033/S30°E
	03/05/01		9.35	9.41	0.019/S77°W
	05/31/01		10.18	8.58	0.031/S24°E
	09/18/01		11.65	7.11	0.033/S35°E
MW-2	09/29/00	17.77	10.92	6.85	0.033/S30°E
	03/05/01		9.13	8.64	0.019/S77°W
	05/31/01		9.83	7.94	0.031/S24°E
	09/18/01		11.13	6.64	0.033/S35°E
MW-3	09/29/00	18.02	12.09	5.93	0.033/S30°E
	03/05/01		8.54	9.48	0.019/S77°W
	05/31/01		10.91	7.11	0.031/S24°E
	09/18/01		12.50	5.52	0.033/S35°E

Note: * = Feet, Mean Sea Level

TABLE 2

GROUNDWATER SAMPLE ANALYTICAL RESULTS

SALLE'S PAINT & BODY SHOP, 1049 9TH AVENUE, OAKLAND, CALIFORNIA

Sample ID	Date	Oil & Grease	TPH[1] Diesel	TPH Gasoline	Benzene	Toluene	Ethyl Benzene	Xylenes	MtBE[2]	Chloro-benzene[3]	Semi-Volatile Organics[4]
MW-1	09/29/00	ND[5]<100[6]	ND<100	280	1.4	ND<0.5	2.5	4.5	ND<2.5	1.1	ND
	03/05/01	NA[7]	170[8]	300	1.7	2.1	1.4	2.6	ND<2.5	ND<0.5	NA
	05/31/01	NA	70[7]	380	1.0	4.5	3.5	9.8	ND<2.5	ND<0.5	NA
	09/18/01	NA	63	250	<0.5	3.1	3.3	3.4	ND<2.5	0.82	NA
MW-2	09/29/00	ND<100	ND<100	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	ND<0.5	ND
	03/05/01	NA	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	ND<0.5	NA
MW-3	09/29/00	ND<100	ND<100	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	ND<0.5	ND
	03/05/01	NA	ND<50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1.5	ND<2.5	ND<0.5	NA

Notes:

1. TPH = Total Petroleum Hydrocarbons
2. Methyl tert-Butyl Ether
3. Other EPA Method 8010 Compounds are ND
4. EPA method 8270
5. ND = Not Detected at or above the reporting limit
6. All results in micrograms per liter (µg/l)
7. NA = Not Analyzed
8. Laboratory reports this to be weathered gasoline

APPENDIX A

WATER QUALITY SAMPLE LOG SHEETS

Environmental
Sampling Services

FIELD ACTIVITY REPORT
QUARTERLY GROUNDWATER MONITORING
1049-9th AVENUE
OAKLAND, CALIFORNIA
SEPTEMBER 2001

ESS Personnel: Stephen Penman
Date of Activities: September 18, 2001

Decontamination Procedures

All downhole equipment was cleaned with a solution of Liqui-Nox® laboratory-grade detergent and potable water, rinsed with potable water, followed by a final rinse with distilled water.

Field Equipment Calibration

All field measurements were performed in accordance with the instruments' calibration and operating procedures. Instrument calibrations were performed on a daily basis. Field measurements included pH, specific conductance, turbidity, and temperature.

Water Level Measurements

Water level measurements for three monitoring wells were performed with a Solinst® electrical water level indicator. All measurements were referenced to the surveyor's mark on the well casing.

Well Evacuation Procedures

One monitoring well (MW-1) was purged using a new disposable PVC bailer. After removal of three casing volumes and stabilization of groundwater quality parameters, the monitoring well was sampled for: Halogenated Volatile Organic Compounds (HVOCs-EPA Method 8010), Total Petroleum Hydrocarbon (TPH) as Gasoline/BTEX and MTBE (EPA Method 8015/8020) and TPH as Diesel (EPA Method 8015M).

Sample Handling

Analytical Sciences of Petaluma, California supplied all sample containers and performed required analyses. Samples were relinquished on September 19, 2001.

TPH (Gas)/BTEX, MTBE and HVOCs samples were contained in six 40-ml clear glass containers preserved with hydrochloric acid.

TPH (Diesel) samples were contained in two, non-preserved, 1-Liter amber glass containers.

Environmental
Sampling Services

All samples were placed in bubblewrap protective material, sealed in Ziploc® bags and stored in a chilled ice chest for storage and shipment.

QA/QC

No QA/QC samples were requested for this project.

Comments

All derived groundwater and decontamination water were placed into a labeled 55-gallon drum. Approximately 10 gallons were generated during this sampling event.

Jacqueline Lee
President

Enclosure
Table 1: Summary of Groundwater Level Measurements
Water Sample Log Sheet
Chain of Custody

Environmental
Sampling Services

Quarterly Groundwater Level Measurements
Client: Richard Ely
Project Name: 1049-9th Avenue
Project Location: 1049-9th Avenue, Oakland, California
Date of Measurement: September 18, 2001

Well I.D.	Time of Measurement	Water Level (Ft.,TOC)
MW-1	11:15	11.65
MW-2	11:12	11.13
MW-3	11:10	12.5

Legend:
Ft., TOC = measured in feet, from top of well casing @ north rim

Environmental Sampling Services

WATER QUALITY SAMPLE LOG SHEET	WELL IDENTIFICATION: **MW-1** DATE: 9/18/01

Project Name: 1049 9th Avenue - Oakland Project Contact: Richard Ely

Weather: Overcast + cool ~ 67°

Well Description: (2") 3" 4" 5" 6" Other: _____ Well Type: (PVC) Stainless Steel Other: _____

Is Well Secured? (Yes) / No Bolt Size 1/2" Type of lock / Lock number: Dolphin / 1600

Observations / Comments: _____

Purge Method: Teflon / (PVC Disposable Bailer) Centrifugal Pump GrundFos Redi-flow Pump Other: _____

Pump Lines: (NA) New / Cleaned / Dedicated Bailer Line: NA (New) / Cleaned / Dedicated

Method of Cleaning Pump: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____

Method of Cleaning Bailer: (NA) Alconox Liqui-nox Tap Water DI Rinse Other: _____

Sampling Method: Disp. Teflon Bailer (Disp. PVC Bailer) GrundFos Redi-flow Pump Other: _____

pH Meter Serial No.: 217254 / (330089) Spec. Cond. Meter Serial No.: (96H0203AB) / AE

Date/Time Calibrated: 9/18 @ 11:25 (4 7 10) @ 25°C Spec.Cond. Meter Calibration: (Self Test) Other: _____

Method to Measure Water Level: Solinst Serial No.: 25083 P.I.D. Reading: NA ppm @ Well Head

Water Level at Start (DTW): 11.65 Water Level Prior To Sampling: 13.67

TD = 19.59 - 11.65 (DTW) = 7.94 (ft.of water) x "K" = 1.3 (Gals./CV) x 3 (No. of CV) = 3.9 (Gals.)

("K"= 0.163(2" well)) "K" = 0.653(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "k" = 2.61(8" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance mS (uS)	Turbidity (NTU's)	Color	Comments
9/18/01	11:34	1.0	6.58	20.7	168.2	89.3	cloudy Lt. Brown	Pet. odor
↓	11:37	2.0	6.52	20.6	177.7	168	"	↓
↓	11:40	3.0	6.48	20.5	184.5	280	grayish Lt. Brown	↓
↓	11:43	4.0	6.52	20.3	187.3	402	"	↓
↓	11:46	5.0	6.53	20.1	184.9	834	grayish Dk. Brown	↓

Total Discharge: 5.0 gallons Casing Volumes Removed: 3.8

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Treatment System Other: _____

Date/Time Sampled: 9/18/01 @ 11:54 Analysis/No. of Bottles: TPHg, BTEX, MTBE & Halogenated VOC's (5 VOC's w/Hcl) and TPH Diesel/~~Oil & Grease~~ (2-1 liter glass ambers N/P).

QA/QC: _____ @ _____ as an Equipment Blank Duplicate MS/MSD Lab Split Field Blank

Comments: Turbidity Calibration 0.02 NTU's

Sampled By: ~~Jacki Lee and~~ Stephen Penman Signature(s): [signature]

PMB 102 • 6680 Alhambra Ave. • Martinez, CA 94553-6105 • (925) 372-8108 • Fax: (925) 372-6705
www.envsampling.com

APPENDIX B

LABORATORY ANALYTICAL DATA SHEETS

Analytical Sciences

Report Date: October 5, 2001

Harris & Lee Environmental Sciences
P.O. Box 8369
Santa Rosa, CA 95407
ATTN: Richard Ely

LABORATORY REPORT

Project Name: **1049 9th Avenue, Oakland**

Lab Project Number: **1091902**

This 7 page report of analytical data has been reviewed and approved for release.

Mark A. Valentini, Ph.D.
Laboratory Director

PO Box 750336
Petaluma, CA 94975-0336
Telephone: (707) 769-3128

110 Liberty Street
Petaluma, CA 94952
Fax: (707) 769-8093

TPH Gasoline in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
04493	MW-1	TPH/Gasoline	250	50
		MTBE	ND	2.5
		Benzene	ND	0.5
		Toluene	3.1	0.5
		Ethyl Benzene	3.3	0.5
		Xylenes	3.4	1.5

Date Sampled: 09/18/01
Date Received: 09/19/01
Date Analyzed: 09/26/01
Method: EPA 5030/8015M/8020
QC Batch #: 2121

TPH Diesel in Water

Lab #	Sample ID	Analysis	Result (ug/L)	RDL (ug/L)
04493	MW-1	TPH/Diesel	63	50

Date Sampled: 09/18/01
Date Received: 09/19/01
Date Extracted: 09/19/01
Date Analyzed: 09/19/01
QC Batch #: 2100
Method: EPA 3510/8015M

Lab Project #: 1091902

CA Lab Accreditation #: 2303

Chlorinated Solvents in Water

Lab #	Sample ID	Compound Name	Result (ug/L)	RDL (ug/L)
04493	MW-1	dichlorodifluoromethane	ND	0.5
		chloromethane	ND	0.5
		vinyl chloride	ND	0.5
		bromomethane	ND	0.5
		chloroethane	ND	0.5
		trichlorofluoromethane	ND	0.5
		1,1-dichloroethene	ND	0.5
		methylene chloride	ND	0.5
		trans-1,2-dichloroethene	ND	0.5
		1,1-dichloroethane	ND	0.5
		cis-1,2-dichloroethene	ND	0.5
		chloroform	ND	0.5
		1,1,1-trichloroethane	ND	0.5
		carbon tetrachloride	ND	0.5
		1,2-dichloroethane	ND	0.5
		trichloroethene	ND	0.5
		1,2-dichloropropane	ND	0.5
		bromodichloromethane	ND	0.5
		dibromomethane	ND	0.5
		trans-1,3-dichloropropene	ND	0.5
		1,1,2-trichloroethane	ND	0.5
		tetrachloroethene	ND	0.5
		dibromochloromethane	ND	0.5
		chlorobenzene	0.82	0.5
		1,1,1,2-tetrachloroethane	ND	0.5
		bromoform	ND	0.5
		1,1,2,2-tetrachloroethane	ND	0.5
		1,2,3-trichloropropane	ND	0.5
		bromobenzene	ND	0.5
		chlorotoluene	ND	0.5
		1,3-dichlorobenzene	ND	0.5
		1,4-dichlorobenzene	ND	0.5
		1,2-dichlorobenzene	ND	0.5

Date Sampled: 09/18/01
Date Received: 09/19/01
Date Analyzed: 09/25/01
Method: EPA 5030/8010
QC Batch #: 2132

Lab Project #: 1091902

CA Lab Accreditation #: 2303

LABORATORY
QUALITY ASSURANCE REPORT

QC Batch #: 2121 **Lab Project #:** 1091902

Sample ID	Compound	Result (ug/L)
MB	TPH/Gas	ND
MB	MTBE	ND
MB	Benzene	ND
MB	Toluene	ND
MB	Ethyl Benzene	ND
MB	Xylenes	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Gas		NS	
LCS	Benzene	10.1	10.0	101
LCS	Toluene	10.3	10.0	103
LCS	Ethyl Benzene	10.2	10.0	102
LCS	Xylenes	30.7	30.0	102

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Gas		NS		
LCSD	Benzene	10.8	10.0	108	5.8
LCSD	Toluene	10.9	10.0	109	6.0
LCSD	Ethyl Benzene	10.7	10.0	107	4.8
LCSD	Xylenes	32.3	30.0	108	5.2

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range

QC Batch #: 2100 **Lab Project #:** 1091902

Sample ID	Compound	Result (ug/L)
MB	TPH/Diesel	ND

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.
LCS	TPH/Diesel	2,680	2,730	98.3

Sample ID	Compound	Result (ug/L)	Spike Level	% Recv.	RPD
LCSD	TPH/Diesel	2,980	2,730	109	10

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range

QC Batch #: 2132 Lab Project #: 1091902

Sample ID	Compound Name	Result (ug/L)
MB	dichlorodifluoromethane	ND
	chloromethane	ND
	vinyl chloride	ND
	bromomethane	ND
	chloroethane	ND
	trichlorofluoromethane	ND
	1,1-dichloroethene	ND
	methylene chloride	ND
	trans-1,2-dichloroethene	ND
	1,1-dichloroethane	ND
	cis-1,2-dichloroethene	ND
	chloroform	ND
	1,1,1-trichloroethane	ND
	carbon tetrachloride	ND
	1,2-dichloroethane	ND
	trichloroethene	ND
	1,2-dichloropropane	ND
	bromodichloromethane	ND
	dibromomethane	ND
	trans-1,3-dichloropropene	ND
	1,1,2-trichloroethane	ND
	tetrachloroethene	ND
	dibromochloromethane	ND
	chlorobenzene	ND
	1,1,1,2-tetrachloroethane	ND
	bromoform	ND
	1,1,2,2-tetrachloroethane	ND
	1,2,3-trichloropropane	ND
	bromobenzene	ND
	chlorotoluene	ND
	1,3-dichlorobenzene	ND
	1,4-dichlorobenzene	ND
	1,2-dichlorobenzene	ND

Sample ID	Compound Name	Result (ug/L)	Spike Level	% Recv.
LCS	dichlorodifluoromethane	ND		
	chloromethane	ND		
	vinyl chloride	ND		
	bromomethane	ND		
	chloroethane	ND		
	trichlorofluoromethane	ND		
	1,1-dichloroethene	ND		
	methylene chloride	ND		
	trans-1,2-dichloroethene	ND		
	1,1-dichloroethane	7.30	8.00	91.2
	cis-1,2-dichloroethene	ND		
	chloroform	ND		
	1,1,1-trichloroethane	7.86	8.00	98.2
	carbon tetrachloride	ND		
	1,2-dichloroethane	ND		
	trichloroethene	7.91	8.00	98.9
	1,2-dichloropropane	ND		
	bromodichloromethane	ND		
	dibromomethane	ND		
	trans-1,3-dichloropropene	ND		
	1,1,2-trichloroethane	ND		
	tetrachloroethene	7.85	8.00	98.1
	dibromochloromethane	ND		
	chlorobenzene	8.12	8.00	102
	1,1,1,2-tetrachloroethane	ND		
	bromoform	ND		
	1,1,2,2-tetrachloroethane	ND		
	1,2,3-trichloropropane	ND		
	bromobenzene	ND		
	chlorotoluene	ND		
	1,3-dichlorobenzene	ND		
	1,4-dichlorobenzene	ND		
	1,2-dichlorobenzene	8.81	8.00	110

MB = Method Blank; LCS = Laboratory Control Sample; CMS = Client Matrix Spike; CMSD = Client Matrix Spike Duplicate
NS = Not Spiked; OR = Over Calibration Range

Analytical Sciences
P.O. Box 750336, Petaluma, CA 94975-0336
110 Liberty Street, Petaluma, CA 94952
(707) 769-3128
Fax (707) 769-8093

CHAIN OF CUSTODY

LAB PROJECT NUMBER: 1091902
CLIENT'S PROJECT NAME: 1099 9th Avenue, Oakland
CLIENT'S PROJECT NUMBER:

COMPANY NAME: HARRIS & LEE ENVIRONMENTAL SCIENCES
ADDRESS: P.O. BOX 8369
SANTA ROSA, CA 95407
CONTACT: RICHARD ELY
PHONE#: (707) 571-8961
FAX #: (707) 571-8688

MOBILE LAB _____
SAME DAY _____ 24 HOURS _____
48 HOURS _____ 72 HOURS _____
5 DAYS _____ NORMAL X

COOLER TEMBERATURE
Iced _____ °C

COC
PAGE 1 OF 1

ITEM	CLIENT SAMPLE I..D.	DATE SAMPLED	TIME	MATRIX	# CONT.	PRESV. YES/NO	TPH/GAS/BTEX & MTBE EPA 8015M/8020	TPH DIESEL EPA 8015M	OXYGENATED FUEL ADDITIVES EPA 8260M	VOLATILE HYDROCARBONS EPA 8260	CHLORINATED SOLVENTS EPA 8010	TRPH SM 5520F	SEMI-VOLATILE HYDROCARBONS EPA 8270	TOTAL LEAD	5 LUFT METALS	CAM 17 METALS				COMMENTS	LAB SAMPLE #
1	MW-1	9/18/01	11:54	water	8	yes	X	X			X									Pet. odor	14493
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

RELINQUISHED BY: _____ 9/19/01 07:10
SIGNATURE DATE TIME

RECEIVED BY LABORATORY: Linda Kademore 9/19/01 1:15
SIGNATURE DATE TIME