R 172

environmental service

by Papineau, R.E.A. 791

January 15, 2002

MAR 1 2 2002

Mr. Jack Sumski, Jr.
Davis Realty Co., Inc.
5010 Geary Boulevard Suite 1
San Francisco, CA 94118

Subject: Ground Water Monitoring Event #3, January 7, 2002 for 1723 Fruitvale Avenue, Oakland, California (Project 2000-033.05)

Dear Mr. Sumski:

This letter is to convey the results of ground water mobnitoring event #3, conducted on January 7, 2002, at 1723 Fruitvale Avenue, Oakland (see Figure 1, page 6). Work was conducted on behalf of Davis Realty Co., Inc., by Environmental Service, to comply with the directive of the Alameda County Health Care Services Agency to perform monitoring of the three existing wells. This work was authorized by Davis Realty Co., Inc., under contract 2000-033.05. Attachments A and B include the ground water monitoring logs, laboratory analytical reports, and Sample Chain-of-Custody.

Background

The Property was formerly Walt's Transmission Shop. Jack Sumski acquired the Property in 1993 and has no actual knowledge or constructive knowledge of any past storage or use of perchlorethylene (PCE) on the Property. In December 1999 a Phase II investigation report was prepared at the discretion of the owner prior to a contemplated sale of the Property. In July 2000 a Phase III remediation report was prepared to document work overseen by the city of Oakland, including 1) removal of one hydraulic hoist and 2) remedial excavation of presumed PCE-affected soil.

The presumption of PCE impact was erroneous, based upon clerical or interpretive error by the contractor who performed the Phase II investigation. Laboratory-determined concentrations in parts per billion (µg/kg) were incorrectly reported as parts per million (mg/kg). Remedial excavation probably would not have been performed had the PCE concentration been accurately reported in December 1999.

In November 2000 and March 2001 Specified Soil and Ground Water Sampling reports were prepared on behalf of Davis Realty Co., Inc., by Environmental Service, at the request of the Alameda County Health Care Services Agency. The latter pair of reports documented soil borings drilled inside the building close to the location of the former hoist and Phase III remedial excavations, soil and ground water sampling, installation of three monitoring wells, and laboratory analysis results. Monitoring of the three wells was performed previously on February 20, 2001, and June 27, 2001.

5789 Gold Creek Drive Castro Valley, California 94552 TEL (510) 881-8574 FAX (510) 581-7204

Based upon the available data in the above-mentioned reports, there has been no discovery of an unauthorized release of a petroleum hydrocarbon or PCE from the Property which could warrant a clean-up response. Gasoline and BTEX concentrations in the ground water sample collected outside in front of the building were reported by the analytical laboratory to be 270 µg/L as gasoline (with "no recognizable fuel pattern"); less than 0.5 µg/L as benzene, ethyl benzene and toluene; and 0.51 µg/L as xylenes. Detectable concentrations of PCE were found only in soil samples collected at locations SS-2, SB-4, and SB-5, all in parts per billion (see Figure 2, page 7). PCE concentrations in soil were reported as 24 µg/kg at 5-10 feet bgs at location SB-4, 34 µg/kg at 11 feet bgs at location SS-2, and 43 µg/kg at 20-20.5 feet bgs at location SB-5. PCE concentrations were highest near the ground water and decreased near the concrete floor at the surface. Concentrations of PCE, or its decomposition products TCE and cis 1,2-DCE, were not detected in the soil samples collected farther away from the hydraulic hoist area, and specifically were not detected in the soil sample collected adjacent to the floor drain or in the soil samples collected from locations in front of the building.

Monitoring wells MW-1, MWP-2 and MWP-3 were installed in January 2001, inside former Walt's Transmission Shop, generally within 10 to 15 feet of detectable PCE concentrations found in soil adjacent to the former hydraulic hoist (see Figure 2). The monitoring wells are screened with approximately 6 to 8 feet of 0.010-inch machine slotted, 2-inch diameter casing and Lonestar 2/12 sand. The screened interval was selected to span the saturated zone of sandy clay, sandy clayey gravel, and sandy gravel with trace clay, logged between 18 feet and 23.5 feet bgs. Each bore hole was terminated at 25.5 or 26 feet in a yellowish-brown (10 YR 5/4) sandy highly plastic clay soil observed at 23.5 to 26 feet bgs. In November 2000 and January 2001 first ground water was logged at 19 to 20 feet bgs. Well construction, well elevation survey, and analytical results are subjects of the report titled *Specified Soil and Ground Water Sampling and Laboratory Analyses for 1723 Fruitvale Avenue, Oakland, California*, Project 2000-033.02, dated March 5, 2001, prepared by Environmental Service.

Well Purging and Sampling

On January 7, 2002, depth to ground water was measured relative to the tops of the well casings (TOC), to the nearest hundredth of a foot, using an Environmental Instruments water level meter. The depths to water surface from top of casing were 14.79 feet in well MW-1, 15.01 feet in well MWP-2, and 14.84 feet in well MWP-3, compared to 21.53 feet in well MW-1, 21.64 feet in well MWP-2, and 21.55 feet in well MWP-3, on June 27, 2001. Floating product and sheen were not present in any of the three wells on January 7, 2002, or previously on June 27, 2001, or February 20, 2001.

Prior to sampling, monitoring wells were purged with a submersible pump, until temperature, pH, and electrical conductivity had stabilized. At the end of purging, before sampling, the temperature, pH, and electrical conductivity were observed to stabilize at 66 degrees Fahrenheit (°F), 6.8 pH, and approximately 400 µmhos/cm, on January 7, 2002. Refer to Attachment A, Ground Water Monitoring Logs.

Within one hour after purging on January 7, 2002, the water surface elevation had recovered to within 0.10 foot of the original measured depths. All wells then were hand bailed using disposable

polyethylene bailers and twisted polypropylene line to collect ground water samples. Ground water was observed and noted to be slightly cloudy in wells MWP-2 and MWP-3, and cloudy with suspended silt or very fine sand in monitoring well MW-1. Each ground water sample was poured carefully into duplicate or triplicate 40-ml VOAs with 1:1 hydrochloric acid (HCl) preservative. VOAs were labeled immediately after collection and then placed in an ice chest with blue ice and water ice.

Sample Handling and Laboratory Analysis

Ground water samples were delivered to McCampbell Analytical Inc., a State of California certified laboratory, ELAP #1644, on the same day as sampling. Prior to delivery, the samples remained in the custody of Environmental Service, chilled in the ice chest. Sample Chain-of-Custody procedures were used throughout to document sample condition and transfer.

The three ground water samples collected on January 7, 2002, were analyzed for PCE and other halogenated volatile organic compounds, in accordance with U.S. EPA Method 8010/601. The Sample Chain-of-Custody and laboratory analytical report are provided in Attachment B.

Results

Table 1 (page 5) summarizes results for January 7, 2002, June 27, 2001, February 20, 2001, and previous grab ground water sampling events. On January 7, 2002, PCE concentrations were similar to those monitored previously in February and June 2001. On January 7, 2002, the ground water potentiometric surface sloped down toward the west southwest (see Figure 2, page 7). Previously, in June 2001, the ground water potentiometric surface sloped down toward the south southwest.

Interpretation

The shallow ground water impact zone is vertically confined within a thin lens between 18 and 24 feet bgs, which overlies yellowish-brown, sandy, clay logged from 23.5 feet bgs to the total depth in each bore hole. In January 2002 and February 2001 and the lens had ground water throughout the permeable layer, but in June 2001 the water column was only 2 feet thick. In June 2001 this lens is not capable of producing 2 gallons per minute without drawing down or de-watering.

The source of PCE potentially could be upgradient of SB-5, even off site. A vicinity drive-by indicated that dry cleaners are located at 1917 Fruitvale and 2210 Fruitvale. According to the Polk's reverse directories, Vale Cleaners (1917 Fruitvale Avenue) and Payless Cleaners (2210 Fruitvale Avenue) were present at the latter addresses in 1967 and 1969, and presumably for the entire intervening period through 2001. In 1967 there were additional dry cleaners at 2231 Fruitvale Avenue and 2683 Fruitvale Avenue, and also at 2621 Foothill Boulevard, 3666 Foothill Boulevard, and 3941 Foothill Boulevard. Old dry cleaners are potential off-site sources of PCE and, like all commercial and residential uses, have sewer connections to the municipal sewer. Flow in the sewer beneath Fruitvale Avenue is downslope, toward the south.

Conclusions and Recommendations

No source of PCE in soil remains that could warrant a remedial action. The shallow ground water impact zone is vertically confined within the interval from 18 to 24 feet bgs. Concentrations of PCE

in ground water are relatively low and vertically confined, such that remedial action is not warranted. The U.S. EPA's Maximum Contaminant Level for Drinking Water is 5 µg/L as PCE, but the shallow ground water that has been affected is not a potential drinking water source.

A signed copy of this report should be forwarded by the Property Owner to Alameda County Health Care Services Agency, to the specialist named below:

Mr. Don Hwang
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502-6577

TEL (510) 567-6746 FAX (510) 337-9335

Thank you for this opportunity to serve Davis Realty Co., Inc. If you have any questions or require additional information, please contact me directly.

Sincerely,
FOR AND ON BEHALF OF ENVIRONMENTAL SERVICE

Marc Papineau
California Registered Environmental Assessor #791

R. Mark Armstrong
California Registered Geologist #6134

enclosures: Figures 1 and 2
Attachment A, Ground Water Monitoring Logs
Attachment B, Laboratory Analytical Report and Sample Chain-of-Custody

TABLE 1
ANALYTICAL RESULTS FOR GROUND WATER SAMPLES
Date of Last Revision: 1/15/2002 All Results in Parts per Billion (µg/L)[a]

Sample or Well Number	Date of Sample Collection	Ground Water		Volatile Halocarbons[b]	Specified Petroleum Hydrocarbons			
		Depth (Feet)	Elevation (Feet msl)	PCE	Gasoline[c]	BTEX[d]	MtBE[d]	Total Petroleum Hydrocarbons[e]
MW-1	1/7/2002	14.79	45.15	160	nt	nt	nt	nt
	6/27/2001	21.53	38.41	130	nt	nt	nt	nt
	2/20/2001	16.69	43.25	160	68[g]	ND	ND	ND
MWP-2	1/7/2002	15.01	45.03	150	nt	nt	nt	nt
	6/27/2001	21.64	38.40	120	nt	nt	nt	nt
	2/20/2001	16.89	43.15	140	62[g]	ND	ND	ND
MWP-3	1/7/2002	14.84	45.15	110	nt	nt	nt	nt
	6/27/2001	21.55	38.44	130	nt	nt	nt	nt
	2/20/2001	16.75	43.24	140	64[g]	ND	ND	ND
SB6-GW	11/14/2000	20	40	290	65[g]	ND	nt	ND (<74)[f,DL] ND (<368)[f,HO]
SB1-GW-1	12/10/1999	23.5	35	42	270[h]	0.51(X)	ND	2,100
Detection Limits				2.5	50	0.5	5.0	1,000[e]

NOTES:

PCE Tetrachloroethene, also perchloroethylene or PCE

nt Not tested for the stated parameter or not available

ND None detected at or above the Detection Limits reported by the laboratory either in the bottom row of Table 1 or in parentheses "( )" if different.

a Laboratory results for Volatile Halocarbons (HVOCs), and also for gasoline; benzene, toluene, ethyl benzene, and xylenes (BTEX); methyl tertiary butyl ether (MtBE); and Total Petroleum Hydrocarbons are all stated in parts per billion (µg/L) for consistency.

b HVOCs were analyzed in accordance with U.S. EPA Method 601/8010.

c Gasoline was analyzed in accordance with U.S. EPA method 5030/8015M.

d Benzene, toluene, ethyl benzene, and xylenes (BTEX), and methyl tertiary butyl ether (MtBE) were analyzed in accordance with U.S. EPA Method 8020.

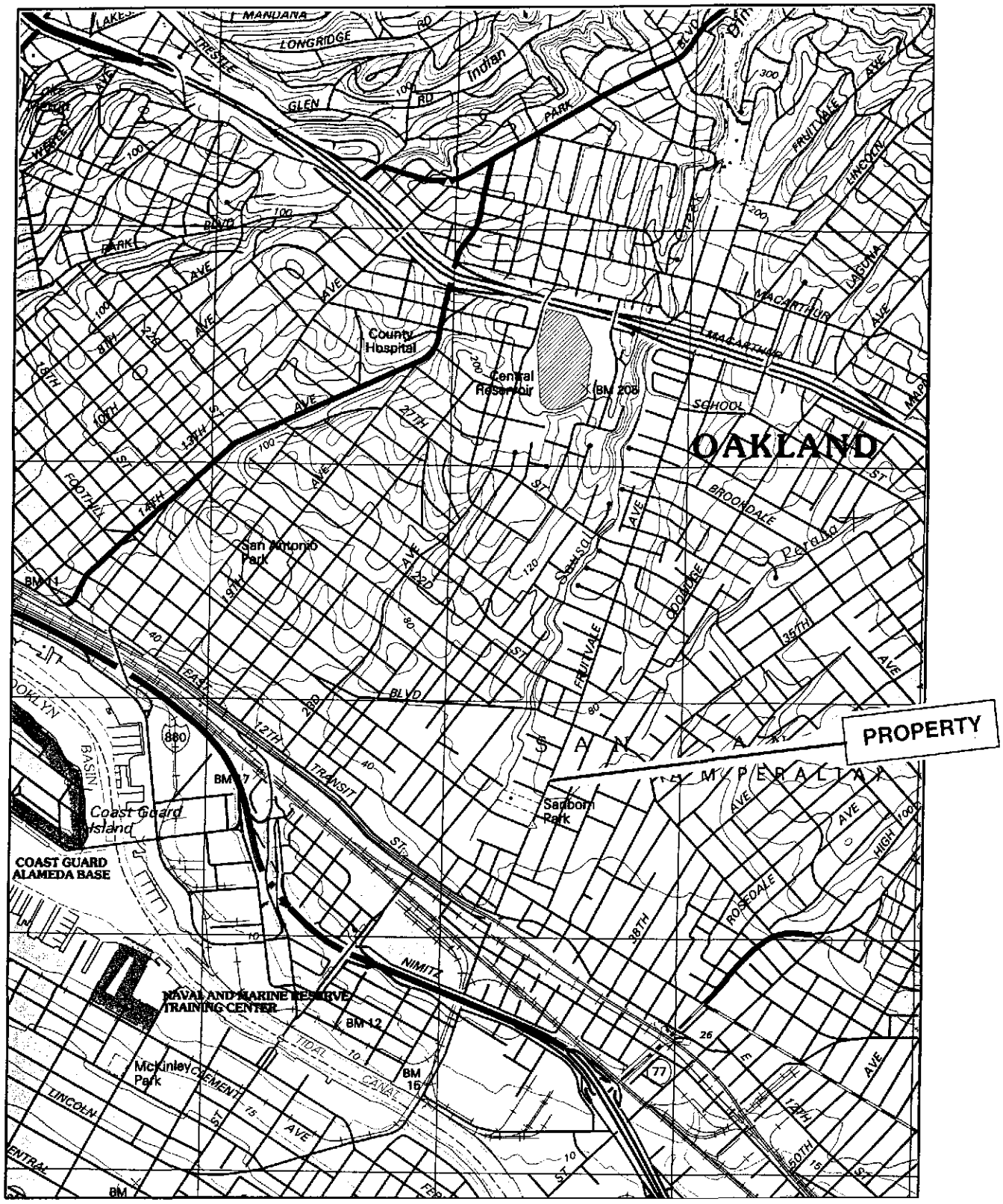
e Total petroleum hydrocarbons were analyzed as Total Recoverable Petroleum Hydrocarbons in accordance with U.S. EPA Method 418.1, unless noted specifically otherwise.

f Tested in accordance with U.S. EPA Method 3550/8015M as diesel (DL) and also as hydraulic oil (HO).

g Laboratory flagged the result and/or noted "one or more individual peaks."

h Laboratory flagged result and noted "no recognizable pattern."

SOURCE: McCampbell Analytical Inc, (Cal/EPA ELAP # 1644), January 14, 2002
McCampbell Analytical Inc, (Cal/EPA ELAP # 1644), June 29, 2001;
McCampbell Analytical Inc, (Cal/EPA ELAP # 1644), February 26, 2001;
Entech Analytical Labs, Inc. (Cal/EPA ELAP #2346), November 20, 2000;
McCampbell Analytical Inc., (Cal/EPA ELAP #1644), December 17, 1999



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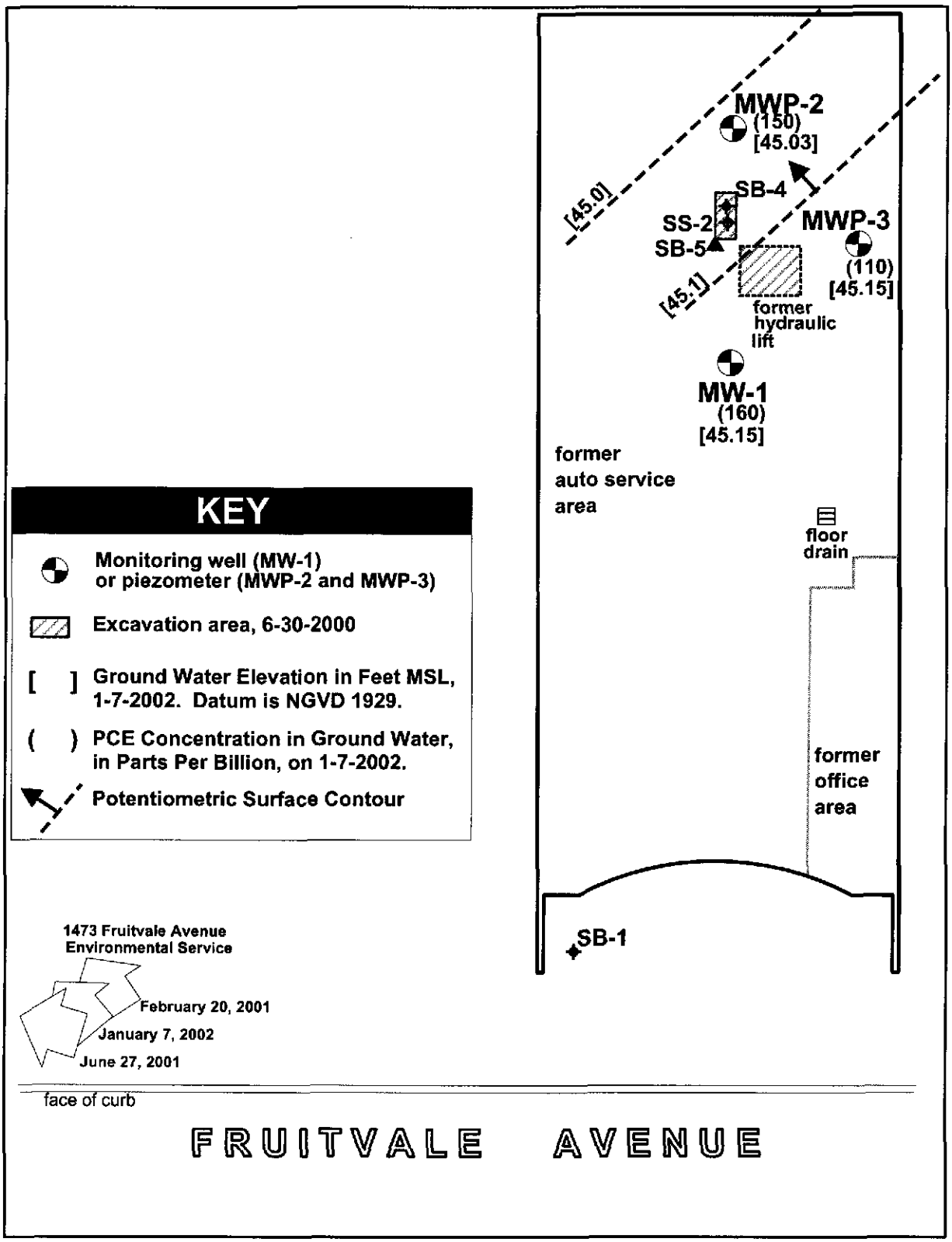
N

1:24,000

Figure 1
Topographic Map
1723 Fruitvale Avenue
Oakland, California

U. S. Geological Survey, 7.5-Minute Series (Topographic), Oakland East, 1997



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N

5.0 ft

10.0 ft

Figure 2
Potentiometric Surface Map
for January 7, 2002
1723 Fruitvale Avenue
Oakland, California

Attachment A

Ground Water Monitoring Log
Well and Sampling Information

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Site Location	1723 Fruitvale Av. Oakland, CA	**Date**	1/7/2002
Client	Davis Realty Co.	**Time**	1238
Well Number	MW-1	**Weather**	Cloudy, not raining
Project No.	2000-033.05	**Sampler**	M. Papineau

WELL INFORMATION

Casing Type	PVC
Casing Diameter	2-inch
Water Level (Pre-Purge)	14.79 ft
Total Depth	25.5 ft
Measuring Instrument	Env. Instru.
Datum	TOC

Well Condition

Sediment	Suspended
Casing	O.K.
Cover	Present
Cap	Present
Lock	Present, locked

PURGING INFORMATION

Method Submersible pump

Bailer or Tubing Material

Polyethylene	
1/2-In. Braided PVC	X
Teflon	
Braided Nylon	
Stainless	

Rope None

Nylon Braided
Polypropylene Twist
Polypropylene Braided

Cleaning Procedure
Downhole tape, line, tubing, and electrical line were washed with TSP and water and rinsed in a 19-gallon bucket. MWP-3 was purged first, then MWP-2 & MW-1.

Pump Rate	1 gpm		
Elapsed Time	7 min		
Volume Pumped	7 gallons		
Number of Casing Volumes Purged	4		
Start Time	1345	**End Time**	1352

TIME SERIES DATA

Measurement	1	2	3	4	5	6	7	8
Number of Casing Volumes	0.6	1.4	2.3	3.4	4			
Water Temp. (°C)	18.2	18.7	18.8	18.8	18.9	**NOTE:** Temperature may be affected by pump and hose.		
pH	6.92	6.77	6.81	6.81	6.79			
Dissolved Oxygen (mg/L)	5.45	5.28	5.27	5.45	5.35			
Turbidity (NTUs)	120	117	117	116	113			
Specific Conductance (µmhos/cm)	418	417	415	416	416			

SAMPLING INFORMATION

Method Hand Bail

Material (_X__ Bailer ____Tubing)

Polyethylene	X
Tygon	
Teflon	
Stainless	

Cleaning Procedure Clean dedicated bailer.

Rope

Polypropylene Twist
Polypropylene Braided X

Sample Time	1406
pH	6.8
Temp. °F	65
Spec. Cond. (µmhos/cm)	415

Attachment A

Ground Water Monitoring Log
Well and Sampling Information

environmental service
by Papineau, R.E.A. 791

Site Location	1723 Fruitvale Av. Oakland, CA	**Date**	1/7/2002
Client	Davis Realty Co., Inc.	**Time**	1240
Well Number	MWP-2	**Weather**	Cloudy, not raining
Project No.	2000-033.05	**Sampler**	M. Papineau

WELL INFORMATION

Casing Type	PVC
Casing Diameter	2-inch
Water Level (Pre-Purge)	15.01 ft
Total Depth	25.5 ft
Measuring Instrument	Env. Instru.
Datum	TOC

Well Condition

Sediment	Clear
Casing	O.K.
Cover	Present
Cap	Present
Lock	Present, locked

PURGING INFORMATION

Method Submersible pump

Bailer or Tubing Material

Polyethylene	
1/2-In. Braided PVC	X
Teflon	
Braided Nylon	
Stainless	

Rope None

Nylon Braided	
Polypropylene Twist	
Polypropylene Braided	

Cleaning Procedure
The downhole tape, pump, line, tubing, and electrical line were washed with TSP and water and rinsed in a 19-gallon bucket. MWP-2 was purged first.

Pump Rate	0.9 gpm		
Elapsed Time	8 min		
Volume Pumped	7.5 gallons		
Number of Casing Volumes Purged	4		
Start Time	1305	**End Time**	1313

TIME SERIES DATA

Measurement	1	2	3	4	5	6	7	8
Number of Casing Volumes	0.6	1.7	2.6	4				
Water Temp. (°C)	18.4	18.0	18.5	18.9		NOTE: Temperature may be affected by the pump.		
pH	6.83	6.82	6.83	6.85				
Dissolved Oxygen (mg/L)	5.48	5.28	5.33	5.29				
Turbidity (NTUs)	253	198	147	122				
Specific Conductance (µmhos/cm)	426	402	399	394				

SAMPLING INFORMATION

Method Hand Bail

Material (_X__ Bailer ____Tubing)

Polyethylene	X
Tygon	
Teflon	
Stainless	

Cleaning Procedure Clean dedicated bailer.

Rope

Polypropylene Twist	
Polypropylene Braided	X

Sample Time	1428
pH	6.8
Temp. °F	65
Spec. Cond. (µmhos/cm)	400

Attachment A

Ground Water Monitoring Log
Well and Sampling Information

environmental service

by Papineau, R.E.A. 791

Site Location	1723 Fruitvale Av. Oakland CA	**Date**	1/7/2002
Client	Davis Realty Co., Inc.	**Time**	1241
Well Number	MWP-3	**Weather**	Cloudy, not raining
Project No.	2000-033.05	**Sampler**	M. Papineau

WELL INFORMATION

Casing Type	PVC
Casing Diameter	2-inch
Water Level (Pre-Purge)	14.84 ft
Total Depth	26 ft
Measuring Instrument	Env. Instr.
Datum	TOC

Well Condition

Sediment	Suspended
Casing	O.K.
Cover	Present
Cap	Present
Lock	Present, locked

PURGING INFORMATION

Method Submersible pump

Bailer or Tubing Material

Polyethylene	
1/2-In. Braided PVC	X
Teflon	
Braided Nylon	
Stainless	

Rope None

Nylon Braided	
Polypropylene Twist	
Polypropylene Braided	

Cleaning Procedure

The downhole tape, pump, tubing, and electrical line were washed with TSP and water and rinsed with water.

Pump Rate	1 gpm		
Elapsed Time	7 minutes		
Volume Pumped	7 gallons		
Number of Casing Volumes Purged	4		
Start Time	1328	**End Time**	1335

TIME SERIES DATA

Measurement	1	2	3	4	5	6	7	8
Number of Casing Volumes	0.5	1.4	2	3.3	4			
Water Temp. (°F)	18.4	18.8	19.0	18.9	19.0	NOTE: Temperature may be affected by pump & discharge hose.		
pH	6.93	6.83	6.80	6.86	6.80			
Dissolved Oxygen (mg/L)	5.51	5.50	5.42	5.36	5.51			
Turbidity (NTUs)	419	420	363	218	197			
Specific Conductance (µmhos/cm)	411	414	412	402	412			

SAMPLING INFORMATION

Method Hand Bail

Material (_X__ Bailer ____Tubing)

Polyethylene	X
Tygon	
Teflon	
Stainless	

Cleaning Procedure Clean dedicated bailer.

Rope

Polypropylene Twist	
Polypropylene Braided	X

Sample Time	1437
pH	6.8
Temp. °F	65
Spec. Cond. (µmhos/cm)	410

Attachment B

LABORATORY ANALYTICAL REPORT
AND
SAMPLE CHAIN-OF-CUSTODY

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Environmental Services 5789 Gold Creek Drive Castro Valley, CA 94552	Client Project ID:#2000-033.05	Date Sampled: 01/07/02
		Date Received: 01/07/02
	Client Contact: Marc Papinean	Date Extracted: 01/07/02
	Client P.O:	Date Analyzed: 01/07/02

01/14/02

Dear Marc:

Enclosed are:

1). the results of **3** samples from your **#2000-033.05** project,

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

Environmental Services	Client Project ID:#2000-033.05	Date Sampled: 01/07/02
5789 Gold Creek Drive		Date Received: 01/07/02
Castro Valley, CA 94552	Client Contact: Marc Papinean	Date Extracted: 01/07-01/09/02
	Client P.O:	Date Analyzed: 01/07-01/09/02

Volatile Halocarbons

EPA method 601 or 8010

Lab ID	87845	87846	87847	
Client ID	MW-1	MWP-2	MWP-3	
Matrix	W	W	W	
Compound	Concentration*			
Bromodichloromethane	ND<12.5	ND<12.5	ND<10	
Bromoform[b]	ND<12.5	ND<12.5	ND<10	
Bromomethane	ND<12.5	ND<12.5	ND<10	
Carbon Tetrachloride[c]	ND<12.5	ND<12.5	ND<10	
Chlorobenzene	ND<12.5	ND<12.5	ND<10	
Chloroethane	ND<12.5	ND<12.5	ND<10	
2-Chloroethyl Vinyl Ether[d]	ND<12.5	ND<12.5	ND<10	
Chloroform [e]	ND<12.5	ND<12.5	ND<10	
Chloromethane	ND<12.5	ND<12.5	ND<10	
Dibromochloromethane	ND<12.5	ND<12.5	ND<10	
1,2-Dichlorobenzene	ND<12.5	ND<12.5	ND<10	
1,3-Dichlorobenzene	ND<12.5	ND<12.5	ND<10	
1,4-Dichlorobenzene	ND<12.5	ND<12.5	ND<10	
Dichlorodifluoromethane	ND<12.5	ND<12.5	ND<10	
1,1-Dichloroethane	ND<12.5	ND<12.5	ND<10	
1,2-Dichloroethane	ND<12.5	ND<12.5	ND<10	
1,1-Dichloroethene	ND<12.5	ND<12.5	ND<10	
cis 1,2-Dichloroethene	ND<12.5	ND<12.5	ND<10	
trans 1,2-Dichloroethene	ND<12.5	ND<12.5	ND<10	
1,2-Dichloropropane	ND<12.5	ND<12.5	ND<10	
cis 1,3-Dichloropropene	ND<12.5	ND<12.5	ND<10	
trans 1,3-Dichloropropene	ND<12.5	ND<12.5	ND<10	
Methylene Chloride[f]	ND<20	ND<20	ND<20	
1,1,2,2-Tetrachloroethane	ND<12.5	ND<12.5	ND<10	
Tetrachloroethene	160	150	110	
1,1,1-Trichloroethane	ND<12.5	ND<12.5	ND<10	
1,1,2-Trichloroethane	ND<12.5	ND<12.5	ND<10	
Trichloroethene	ND<12.5	ND<12.5	ND<10	
Trichlorofluoromethane	ND<12.5	ND<12.5	ND<10	
Vinyl Chloride[g]	ND<12.5	ND<12.5	ND<10	
% Recovery Surrogate	96	95	98	
Comments				

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil and sludge samples in ug/kg, wipe samples in ug/wipe

Reporting limit unless otherwise stated: water/TCLP/SPLP extracts, ND<0.5ug/L; soils and sludges, ND<5ug/kg; wipes, ND<0.2ug/wipe

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis

(b) tribromomethane; (c) tetrachloromethane; (d) (2-chloroethoxy) ethene; (e) trichloromethane; (f) dichloromethane; (g) chloroethene; (h) a lighter than water immiscible sheen is present; (i) liquid sample that contains greater than ~5 vol. % sediment; (j) sample diluted due to high organic content.

DHS Certification No. 1644

Edward Hamilton, Lab Director

McCAMPBELL ANALYTICAL INC.
110 2nd Ave. South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
http://www.mccampbell.com E-mail: main@mccampbell.com

QC REPORT

EPA 8010/8020

Date: 01/09/02 **Extraction:** EPA 5030 **Matrix:** Water

Compound	Concentration: ug/L				%Recovery		RPD
	Sample	MS	MSD	Amount Spiked	MS	MSD	
SampleID: 10402					Instrument:	GC-1	
Surrogate1	ND	96.0	96.0	100.00	96	96	0.0
Chlorobenzene	ND	10.7	10.9	10.00	107	109	1.9
Trichloroethene	ND	10.9	11.4	10.00	109	114	4.5
1,1-DCE	ND	10.5	10.9	10.00	105	109	3.7

$$\%\ \text{Recovery} = \frac{(MS - Sample)}{AmountSpiked} \cdot 100$$

$$\text{RPD} = \frac{(MS - MSD)}{(MS + MSD)} \cdot 2 \cdot 100$$

RPD means Relative Percent Deviation

29531 / 7658

RUSH

McCAMPBELL ANALYTICAL INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☑ 72 HR ☐ 5 DAY

Report To: MARC PAPINEAU Bill To: SAME
Company: ENVIRONMENTAL SERVICE
5789 GOLD CREEK DRIVE
CASTRO VALLEY, CA 94552
Tele: (510) 881-0574 Fax: (510) 581-7204
Project #: 2000-033.05 Project Name:
Project Location: 1723 FRUITVALE AVE OAKLAND, CA
Sampler Signature: Marc Papineau

SAMPLE ID	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED Ice	METHOD PRESERVED HCl	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
(+) MW-1	1723 FRUITVALE	1-7-02	1406	3	40ml VOA	✓					✓	✓		
(+) MWP-2	1723 FRUITVALE	1-7-02	1428	3	40ml VOA	✓					✓	✓		
(+) MWP-3	1723 FRUITVALE	1-7-02	1437	3	40ml VOA	✓					✓	✓		

Analysis Request	Other	Comments
BTEX & TPH as Gas (602/8020 + 8015)/ MTBE	pH	
TPH as Diesel (8015)	TSS	
Total Petroleum Oil & Grease (5520 E&F/B&F)	Specific Conductivity	
Total Petroleum Hydrocarbons (418.1)		
EPA 601 / 8010		
BTEX ONLY (EPA 602 / 8020)		
EPA 608 / 8080		
EPA 608 / 8080 PCB's ONLY		
EPA 624 / 8240 / 8260		
EPA 625 / 8270		
PAH's / PNA's by EPA 625 / 8270 / 8310		
CAM-17 Metals		
LUFT 5 Metals		
Lead (7240/7421/239.2/6010)		
RCI		

TR#87845
TR#87846
TR#87847

ICE/t ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
PRESERVATION APPROPRIATE ✓
CONTAINERS

VOAS	O&G	METALS	OTHER
✓			

Relinquished By:	Date:	Time:	Received By:
Marc Papineau	1-7-02	1655	Vinson Vencyon
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t°_____
GOOD CONDITION_____
HEAD SPACE ABSENT_____
PRESERVATION APPROPRIATE_____
CONTAINERS_____

VOAS	O&G	METALS	OTHER

Analyze the VOAs that are marked analyzed

environmental service

by Papineau, R.E.A. 791

5789 Gold Creek Drive Castro Valley, California 94552 (510) 881-8574