



91 JAN -9 PM 4: 14

January 7, 1991

Alameda County Health Care Services  
Department of Environmental Health  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, CA. 94607

Attention: Dennis Byrne

RE: Monitoring well located at 6050 Hollis Street

Dear Leslie,

Enclosed is the documentation for the well at the above mentioned site as completed by Baseline Environmental Consulting firm.

If you have any questions regarding this well, please feel free to call our office at 653-6871.

Sincerely,

A handwritten signature in cursive script that reads "Debra Baker".

Debra S. Baker  
Property Manager

Enclosure

# **BASELINE**

# COPY

## ENVIRONMENTAL CONSULTING

4 January 1991  
S9-105

Mr. Francis Collins  
Hollis Street Project  
6050 Hollis Street  
Emeryville, CA 94608

**Subject: Report on Analytical Results of Seventh Quarterly Groundwater Sampling at 6050 Hollis Street, Emeryville, California**

Dear Mr. Collins:

The purpose of this letter is to document the seventh quarterly groundwater sampling event conducted at 6050 Hollis Street in Emeryville by BASELINE Environmental Consulting. The sampling event is part of a quarterly groundwater monitoring program implemented to evaluate groundwater quality at the site of an identified release of hydrocarbons from an underground storage tank. Site history information and details of well installation are discussed in a BASELINE report dated 8 March 1989. ✓

### **GROUNDWATER SAMPLING**

On 16 November 1990, one groundwater sample was collected from monitoring well MW-H1. Prior to sample collection, the groundwater level was measured with a dual-interface probe at a depth of 5.8 feet. Water level measurements for the November 1990 sampling event and all previous sampling events are provided in Table 1. Following water level measurement, the well was purged of five well volumes using a hand pump. The purged well water was placed in a 55-gallon drum and temporarily stored on-site pending receipt of analytical results. Temperature, electrical conductivity, and pH were measured during groundwater extraction and had stabilized before completion of purging. The groundwater sampling form, which includes the measurements of these parameters, is provided in Attachment A.

The groundwater sample was collected using a clean disposable bailer and placed directly into precleaned glass containers. The groundwater sample had a very slightly turbid appearance. The sample containers were labeled, refrigerated, and transported under chain-of-custody to Curtis and Tompkins, Ltd. in Berkeley for analyses. For quality control purposes, a field blank was prepared at the site and submitted to the laboratory for analyses; the field blank is labeled MW-H2 on the chain-of-custody and laboratory report. The samples were analyzed for total volatile and extractable hydrocarbons (EPA Method 8015 modified) and benzene, toluene, total xylenes, and ethylbenzene (BTXE) (EPA Method 8020).

Mr. Francis Collins  
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## ANALYTICAL RESULTS

Total volatile hydrocarbons as gasoline were detected at a concentration of 1.10 mg/L in the groundwater sample; total extractable hydrocarbons, as diesel, were detected at a concentration of 0.55 mg/L. BTXE were also detected at concentrations of 0.016 mg/L, 0.0009 mg/L, 0.0015 mg/L, and 0.0018 mg/L, respectively. The groundwater sample did not contain detectable levels of total extractable hydrocarbons as kerosene. None of the compounds analyzed were identified in the field blank sample at levels above laboratory detection limits. Table 1 summarizes the analytical results from the November 1990 sampling event and all previous sampling events; laboratory reports and the chain-of-custody form from the November 1990 sampling event are included as Attachment B.

## FURTHER ACTIONS

Based on the results of the recent November 1990 sampling event, it is recommended that quarterly monitoring be continued for one additional quarter. The sampling event, which would occur in February 1991, would mark two years of quarterly monitoring at the site. Following completion of the February 1991 sampling event, the two years of analytical data collected for the groundwater monitoring program should be evaluated and recommendations for further action determined.

The 55-gallon drum, containing purged well water, should be disposed of at an appropriate off-site disposal facility in accordance with local and state requirements.

Copies of this report should be submitted to the San Francisco Bay Regional Water Quality Control Board and the Alameda County Hazardous Materials Division. If you have any questions regarding this report, please do not hesitate to contact us.

Sincerely,



Yane Nordhav  
Principal  
Reg. Geologist No. 4009

YN/my:S90c  
Attachments

TABLE 1

SUMMARY OF ANALYTICAL RESULTS, MW-H1  
6050 Hollis Street, Emeryville

(mg/L)

Date	Depth to Water (feet)	Gasoline	Diesel	Kerosene	Benzene	Toluene	Xylenes	Ethylbenzene
02/08/89	4.85	<0.05	<0.5	<0.5	<0.001	<0.001	<0.001	<0.001
05/01/89	5.1	<0.05	<0.5	<0.5	<0.001	<0.001	<0.001	<0.001
09/13/89	5.8	1.3	<0.5	<0.5	0.061	<0.0005	0.002	0.005
12/04/89	5.34	0.410/ 0.370	<0.5/ <0.5	<0.5/ <0.5	0.0072/ 0.011	0.0032/ 0.0024	0.0032/ 0.0013	0.0028/ 0.0014
03/26/90	6.42	0.7	<0.5	<0.5	0.093	0.001	0.001	<0.0017
07/24/90 <sup>1</sup>	5.93	0.140	<0.5	<0.05	0.0006	<0.0005	<0.0009	<0.0005
07/24/90 <sup>2</sup>	NA	<0.05	<0.5	<0.5	<0.0005	<0.0005	<0.0005	<0.0005
11/16/90	5.8	1.1	0.550	<0.050	0.016	0.0009	0.0015	0.0018
11/16/90 <sup>2</sup>	NA	<0.05	<0.050	<0.05	<0.0005	<0.0005	<0.0005	<0.0005

<sup>1</sup> A sample was also collected on 14 June 1990, as well as a field blank for QA/QC purposes. Since the field blank contained detectable levels of diesel, well MW-H1 was resampled on 24 July 1990 and a field blank prepared.

<sup>2</sup> Field blank analytical results.

<sup>3</sup> Field blank analytical results; sample MW-H2.

Notes: xx/xx = Duplicate sample.

NA = Not applicable.

Laboratory report for the most recent sampling event is included as Attachment B.

**ATTACHMENT A**  
**GROUNDWATER SAMPLING FORM**

**BASELINE**  
**5900 Hollis Street, Suite D**  
**Emeryville, CA 94608**  
**(415) 420-8686**

**GROUNDWATER SAMPLING**

Well No.:     MW-H1      
 Well Depth from TOC (feet):     20      
 Well Diameter (inches):     2      
 Product Level from TOC (feet):     None      
 Water Level from TOC (feet):     5.80      
 Screened (feet):     6-20      
 Elevation (feet MSL):     N/A    

Project #:     S9-105      
 Project:     Hollis Street Project      
    Emeryville      
 Date:     11/16/90      
 Time:     10:35      
 Recorded by:     WKS    

**WEATHER:**

Wind:     None     Precip in last 5 days (inches):     0.1    

**VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING:**

(     20     -     5.80     ) x (     0.083     )<sup>2</sup> x 3.14 x 7.48 =  
 ( Well Depth      Water Level )      [Well radius (ft)]  
    2.3     gallons in one well volume.          11.5     gallons in five well volumes.          12     gallons removed.

CALIBRATION:	Temp °F	EC	pH	Date	Time
Standard:	60.3	1,000	7.00	11/15/90	10:55
Before Development:	60.3	1,010	7.11	11/15/90	10:58
After Development:	68.1	1,023	7.08	11/15/90	11:49

**FIELD MEASUREMENTS:**

Temp °F	EC	pH	Time	Gallons Removed	Appearance
66.1	1,413	6.51	10:59	2	Very slightly turbid
65.4	1,403	6.55	11:14	5	Clear
66.6	1,422	6.61	11:26	10	Clear

APPEARANCE OF SAMPLE:     Very slightly turbid    

**SAMPLING EQUIPMENT:**

Bailer:     X     Type:     Disposable     GPM:               
 Submersible:              Type:              GPM:               
 Dedicated:              Type:              GPM:             

DECONTAMINATION METHOD:     Clean 1/2-inch PVC hose used    

SAMPLE ANALYSES:     TVH as gasoline, TEH as diesel and kerosene, BTXE    

LABORATORY:     Curtis and Tompkins

**ATTACHMENT B**  
**LABORATORY REPORT AND CHAIN-OF-CUSTODY FORM**



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

DATE RECEIVED: 11/16/90

DATE REPORTED: 12/05/90

LAB NUMBER: 102317

RECEIVED

DEC 11 1990

CLIENT: BASELINE

BASELINE

REPORT ON: 2 WATER SAMPLES

PROJECT #: S9-105

LOCATION: BONTA COLLINS HOLLIS STREET

RESULTS: SEE ATTACHED

QA/QC Approval

Final Approval



LABORATORY NUMBER: 102317  
 CLIENT: BASELINE  
 PROJECT ID: S9-105  
 JOB LOCATION: BONTA COLLINS HOLLIS STREET

DATE RECEIVED: 11/16/90  
 DATE ANALYZED: 11/20/90  
 DATE REPORTED: 12/05/90

Total Volatile Hydrocarbons with BTXE in Aqueous Solutions  
 TVH by California DOHS Method/LUFT Manual October 1989  
 BTXE by EPA 5030/8020

LAB ID	SAMPLE ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
102317-1	MW-H1	1,100	16	0.9	1.8	1.5
102317-2	MW-H2	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

ND = Not detected at or above reporting limit; Reporting limit indicated in parentheses.

QA/QC SUMMARY

RPD, %	3
RECOVERY, %	96



LABORATORY NUMBER: 102317  
CLIENT: BASELINE  
PROJECT ID: S9-105  
LOCATION: BONTA COLLINS HOLLIS STREET

DATE RECEIVED: 11/16/90  
DATE EXTRACTED: 11/20/90  
DATE ANALYZED: 11/30/90  
DATE REPORTED: 12/05/90

Extractable Petroleum Hydrocarbons in Aqueous Solutions  
California DOHS Method  
LUFT Manual October 1989

LAB ID	CLIENT ID	KEROSENE RANGE (ug/L)	DIESEL RANGE (ug/L)	REPORTING LIMIT* (ug/L)
102317-1	MW-H1	ND	550	50
102317-2	MW-H2	ND	ND	50

ND = Not detected at or above reporting limit.

\*Reporting limit applies to all analytes.

QA/QC SUMMARY

RPD, %	5
RECOVERY, %	87

**BASELINE**

5900 Hollis Street, Suite D  
Emeryville, CA 94608  
(415) 420-8686

**CHAIN OF CUSTODY RECORD**

Turn-Around Time Normal TAT

Lab Curtis & Tompkins

Contact Person Bill Scott

Project No.		Project Name and Location						Analysis										Detection Limits							
S9-105		Santa Collins Hollis street						<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Turb as Gasolin</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Turb as diesel</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTXE</div> </div>																	
Samplers: (Signature)																		Remarks							
No. Station	Date	Time	Media	Depth	Compo-sites	No. of Con-tainers	Station Location											Detection Limits							
MW-H1	11-16-90	11:35	water			5		X	X	X															TPH .05ppm
MW-H2	11-16-90	11:45	water			5		X	X	X															TPH .05ppm
																									BTXE .0005

Relinquished by: (Signature) <i>William &amp; Scott</i>	Date / Time 11-16-90	Received by: (Signature) <i>Christopher...</i>	Date / Time 11/16 1355	Condition of Samples upon Arrival at Laboratory:  Remarks:
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Date / Time	
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	