HOLLIS St.
PROJECT
HSP

April 14, 1989

Alameda County Division of Environmental Health
80 Swan Way, Room 200
Oakland, CA. 94621

Attention: Dennis Byrne

Re: Monitoring well at 6050 Hollis St and
2452 Magnolia Street

Dear Leslie Furgson,

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

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

Sincerely,

Debra Baker

Debra S. Baker
Secretary

6050 Hollis St., Emeryville, CA 94608 • *telephone:* (415) 653-6871 or 652-0304
mailing address: P.O. Box 8685, Emeryville, CA 94662-0685

4-17-89

BASELINE
5900 Hollis St., "D"
Emeryville, CA 94608
(415) 420-8686

Project: Banta Collins
6050 Hollis St.

Project No: S9-105

GROUNDWATER SAMPLING

WELL No: MW-H1

WEATHER

DATE: 2/10/89 Wind: None

TIME: 13:20 Precip in last 5 days 0.5"

RECORDED BY: WKS

ELEVATION OF WELL: N/A
DEPTH OF WELL: 20.5" SCREENED: 6' - 20', sand 4.5' - 20'
WATER LEVEL: 4.85' WELL DIAMETER: 2"

VOLUME OF WATER TO BE REMOVED BEFORE SAMPLING:

$$(\underset{\text{(Depth of well}}{20.0'} - \underset{\text{water level)}}{4.85'}) \times (\underset{\text{(well radius)}}{0.083})^2 \times 3.14 \times 7.48 =$$

2.37 gallons in one well volume; 11.86 gallons in five well volumes

APPEARANCE OF SAMPLE: Clear for purging, murky when sampling

SAMPLING EQUIPMENT:
Bailer: X Type: Teflon
Submersible: ____ Type: ____ GPM: ____
Dedicated: ____ Type: ____ GPM: ____

DECONTAMINATION METHOD: TSP and DI water

SAMPLE ANALYSES: TPH and BTX and E

LABORATORY: Curtis and Tompkins

ATTACHMENT B

LABORATORY REPORT FOR SOIL SAMPLING

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16790
CLIENT: BASELINE
JOB NUMBER: S9-105
JOB LOCATION: HOLLIS STREET

DATE RECEIVED: 02/09/89
DATE ANALYZED: 02/13/89
DATE REPORTED: 03/03/89

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (mg/Kg)	BENZENE (ug/Kg)	TOLUENE (ug/Kg)	ETHYL BENZENE (ug/Kg)	TOTAL XYLENES (ug/Kg)
16790-1	MW-H1	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)
16790-2	MW-M1	ND(10)	ND(5)	ND(5)	ND(5)	ND(5)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	2
%RECOVERY	101

LABORATORY DIRECTOR

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 16790
CLIENT: BASELINE
JOB #: S9-105
LOCATION: HOLLIS STREET

DATE RECEIVED: 02/09/89
DATE ANALYZED: 02/13/89
DATE REPORTED: 03/03/89

Total Heavy Petroleum Hydrocarbons in Soils & Wastes
EPA 8015 (Modified)
Extraction Method: EPA 3550

LAB ID	CLIENT ID	KEROSINE (mg/Kg)	DIESEL (mg/Kg)	OTHER (mg/Kg)
16790-1	MW-H1	ND(10)	ND(10)	ND(10)
16790-2	MW-M1	ND(10)	ND(10)	ND(10)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	2
Spike: % Recovery	99

ATTACHMENT C

SAMPLING PROCEDURES

SAMPLING PROCEDURES

SOILS

1. In-place soil samples are collected with a stainless steel corer, fitted with a 6-inch brass liner. The corer is driven into the ground by a slide hammer. The brass liner is removed from the steel corer, capped with aluminum foil and a plastic cap, taped, placed in a zip-lock bag, and iced prior to being brought to the laboratory for analysis. Proper chain-of-custody and sample labeling procedures are followed.

All sampling equipment is decontaminated with tri-sodium phosphate (TSP) and deionized water prior to collection of each sample.

2. In-place soil samples may also be collected during drilling activities. The samples are collected with a California Modified sampler (2-inch diameter) fitted with 6-inch brass sleeves. The sampler is driven into the ground by a 140-lb. hammer, falling 30 inches. The samples are handled similarly to the procedures described above and the equipment is decontaminated in the same fashion.

3. During tank removal activities, soil samples are collected from a backhoe bucket having extracted material from a specific depth. The soil brought to the surface in a bucket is sampled after about 6 inches of the surface is discarded. The sample is collected with a stainless steel cover fitted with a brass tube. The sample is handled in the same manner as described above, and decontamination procedures are similar.

GROUNDWATER

The well is checked for floating product with a dual interface probe. A water level measurement is then made with an electrical probe, calibrated to the nearest 1/10th of a foot.

The well is then evacuated of five well volumes of water prior to sampling. The evacuation is performed with a PVC 1.7-inch hand pump and the sampling is accomplished by bottom-valve, teflon bailer. The sample is transferred directly into glass vials, iced, and brought to the laboratory. Proper chain-of-custody and sample labeling procedures are followed.

All sampling equipment is decontaminated with TSP and deionized water prior to collection of each sample.

(In the case of sampling from dewatering, wells, manholes, or in tank excavations, no evacuation occurs, but the sample is collected immediately after a check has been made for floating product. The sample is immediately transferred from the teflon bailer to the sample vials, iced, and brought to the laboratory for analysis).

ATTACHMENT D

LABORATORY REPORT FOR GROUNDWATER SAMPLING

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710. Phone (415) 486-0900

LABORATORY NUMBER: 16798
CLIENT: BASELINE
JOB #: S9-105
LOCATION: BANTA COLLINS

DATE RECEIVED: 02-10-89
DATE ANALYZED: 02-22-89
DATE REPORTED: 03-06-89

Total Heavy Petroleum Hydrocarbons in Aqueous Solutions
EPA 8015 (Modified)
Extraction Method: EPA 3510

LAB ID	CLIENT ID	KEROSINE (mg/L)	DIESEL (mg/L)	OTHER (mg/L)
16798	MW - H1	ND(0.5)	ND(0.5)	ND(0.5)

ND = Not Detected; Limit of detection in parentheses.

QA/QC SUMMARY

Duplicate: Relative % Difference	11
Spike: % Recovery	126

Jon Wong for CBG
LABORATORY DIRECTOR

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (415) 486-0900

LABORATORY NUMBER: 16798
CLIENT: BASELINE
JOB NUMBER: S9-105
JOB LOCATION: BONTA COLLINS

DATE RECEIVED: 02-10-89
DATE ANALYZED: 02-21-89
DATE REPORTED: 03-06-89

Total Volatile Hydrocarbons (TVH) by EPA 8015
Benzene, Toluene, Ethyl Benzene, Xylenes by EPA 602/8020
Extraction by EPA 5030 Purge and Trap

LAB ID	CLIENT ID	TVH AS GASOLINE (ug/L)	BENZENE (ug/L)	TOLUENE (ug/L)	ETHYL BENZENE (ug/L)	TOTAL XYLENES (ug/L)
16798	MW - H1	ND(50)	ND(1)	ND(1)	ND(1)	ND(1)

ND = None Detected; Limit of detection is indicated in parentheses.

QA/QC SUMMARY

%RPD	9
%RECOVERY	83