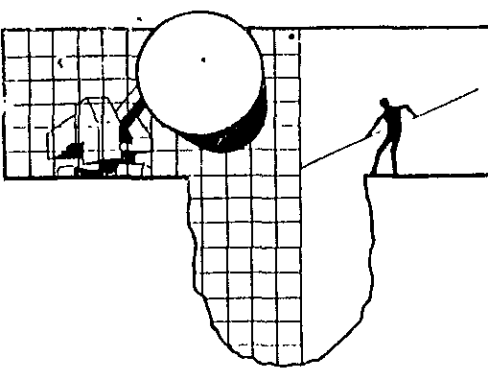


Reviewed by [unclear] on 6/2/95

BLAINE TECH SERVICES INC.

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773



May 12, 1995

Attn: Amy Leach

Chester Clark
537 Hidden Valley Road
Grants Pass, OR 97527

ATTN: Bob Price

95 MAY 30 PM 1:36
ENVIRONMENTAL
PROTECTION

Site:
Clark's Home and Garden
23040 Clawiter Road
Hayward, California

Date:
April 21, 1995

GROUNDWATER SAMPLING REPORT 950421-V-4

Blaine Tech Services, Inc. performs specialized environmental sampling and documentation as an independent third party. In order to avoid compromising the objectivity necessary for the proper and disinterested performance of this work, Blaine Tech Services, Inc. does not participate in the interpretation of analytical results, or become involved with the marketing or installation of remedial systems.

This report deals with the groundwater well sampling performed by our firm in response to your request. Data collected in the course of our work at the site are presented in the TABLE OF MONITORING DATA. This information was collected during our inspection, well evacuation and sample collection. Measurements include the total depth of the well and the depth to water. Water surfaces were further inspected for the presence of immiscibles. A series of electrical conductivity, pH, and temperature readings were obtained during well evacuation and at the time of sample collection.

STANDARD PRACTICES

Evacuation and Sampling Equipment

As shown in the TABLE OF MONITORING DATA, the wells at this site were evacuated according to a protocol requirement for the three case volumes. The wells were evacuated using stainless steel bailers.

Samples were collected using stainless steel bailers.

Bailers: A bailer, in its simplest form, is a hollow tube which has been fitted with a check valve at the lower end. The device can be lowered into a well by means of a cord. When the bailer enters the water, the check valve opens and liquid flows into the interior of the bailer. The bottom check valve prevents water from escaping when the bailer is drawn up and out of the well.

Two types of bailers are used in groundwater wells at sites where fuel hydrocarbons are of concern. The first type of bailer is made of a clear material such as acrylic plastic and is used to obtain a sample of the surface and the near surface liquids, in order to detect the presence of visible or measurable fuel hydrocarbon floating on the surface. The second type of bailer is made of Teflon or stainless steel and is used as an evacuation and/or sampling device.

Bailers are inexpensive and relatively easy to clean. Because they are manually operated, variations in operator technique may have a greater influence than would be found with more automated sampling equipment. Also where fuel hydrocarbons are involved, the bailer may include near surface contaminants that are not representative of water deeper in the well.

Decontamination

All apparatus is brought to the site in clean and serviceable condition. The equipment is decontaminated after each use and before leaving the site.

Effluent Materials

The evacuation process creates a volume of effluent water which must be contained. Blaine Tech Services, Inc. will place this water in appropriate containers of the client's choice or bring new 55 gallon DOT 17 E drums to the site, which are appropriate for the containment of the effluent materials. The determination of how to properly dispose of the effluent water must

usually await the results of laboratory analyses of the sample collected from the groundwater well. If that sample does not establish whether or not the effluent water is contaminated, or if effluent from more than one source has been combined in the same container, it may be necessary to conduct additional analyses on the effluent material.

Sampling Methodology

Samples were obtained by standardized sampling procedures that follow an evacuation and sample collection protocol. The sampling methodology conforms to both State and Regional Water Quality Control Board standards and specifically adheres to EPA requirements for apparatus, sample containers and sample handling as specified in publication SW 846 and T.E.G.D. which is published separately.

Sample Containers

Sample containers are supplied by the laboratory performing the analyses.

Sample Handling Procedures

Following collection, samples are promptly placed in an ice chest containing deionized ice or an inert ice substitute such as Blue Ice or Super Ice. The samples are maintained in either an ice chest or a refrigerator until delivered into the custody of the laboratory.

Sample Designations

All sample containers are identified with both a sampling event number and a discrete sample identification number. Please note that the sampling event number is the number that appears on our chain of custody. It is roughly equivalent to a job number, but applies only to work done on a particular day of the year rather than spanning several days, as jobs and projects often do.

Chain of Custody

Samples are continuously maintained in an appropriate cooled container while in our custody and until delivered to the laboratory under our standard chain of custody. If the samples are taken charge of by a different party (such as another person from our office, a courier, etc.) prior to being delivered to the laboratory, appropriate release and acceptance records are made on the chain of custody (time, date and signature of person accepting custody of the samples).

Hazardous Materials Testing Laboratory

The samples obtained at this site were delivered to Curtis & Tompkins Laboratory in Berkeley, California. Curtis & Tompkins Laboratory is certified by the California Department of Health Services as a Hazardous Materials Testing Laboratory, and is listed as DOHS HMTL #1459.

Personnel

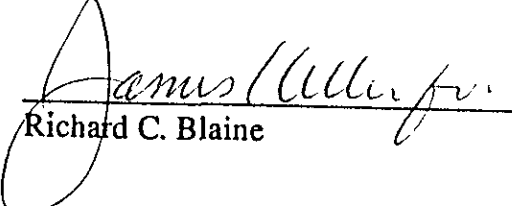
All Blaine Tech Services, Inc. personnel receive 29 CFR 1910.120(e)(2) training as soon after being hired as is practical. In addition, many of our personnel have additional certifications that include specialized training in level B supplied air apparatus and the supervision of employees working on hazardous materials sites. Employees are not sent to a site unless we are confident they can adhere to any site safety provisions in force at the site and unless we know that they can follow the written provisions of an SSP and the verbal directions of an SSO.

In general, employees sent to a site to perform groundwater well sampling will assume an OSHA level D (wet) environment exists unless otherwise informed. The use of gloves and double glove protocols protects both our employees and the integrity of the samples being collected. Additional protective gear and procedures for higher OSHA levels of protection are available.

Reportage

Submission to the Regional Water Quality Control Board and the local implementing agency should include copies of the sampling report, the chain of custody and the certified analytical report issued by the Hazardous Materials Testing Laboratory.

Please call if we can be of any further assistance.


Richard C. Blaine

RCB/lp

attachments: table of well monitoring data
chain of custody

TABLE OF WELL MONITORING DATA

Well I.D.	#1		
Date Sampled	04/21/95		
Well Diameter (in.)	2		
Total Well Depth (ft.)	23.65		
Depth To Water (ft.)	13.39		
Free Product (in.)	NONE		
Reason If Not Sampled	--		
1 Case Volume (gal.)	1.64		
Did Well Dewater?	NO		
Gallons Actually Evacuated	5.0		
Purging Device	BAILER		
Sampling Device	BAILER		
Time	14:01	14:05	14:07
Temperature (Fahrenheit)	64.2	63.2	64.2
pH	7.8	7.4	7.4
Conductivity (micromhos/cm)	3800	1800	1800
Nephelometric Turbidity Units	>200	>200	>200
BTS Chain of Custody	950421-V-4		
BTS Sample I.D.	#1		
DOHS HMTL Laboratory	CURTIS & TOMPKINS		
Analysis	TPH (GAS), BTEX & TPH (DIESEL)		

BLAINE TECH SERVICES INC

985 TIMOTHY DRIVE
SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

CONDUCT ANALYSIS TO DETECT

LAB Curtis & Tompkins DHS # _____
ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND
 EPA RWQCB REGION _____
 LIA
 OTHER

CHAIN OF CUSTODY
950421-V-4
CLIENT Chester Clark
SITE Clark's Home Garden
23040 Clawiter Rd
Hayward, CA.

C = COMPOSITE ALL CONTAINERS

SAMPLE I.D.	MATRIX S = SOIL W = H2O	TOTAL	CONTAINERS	
#1	W	5	5	0

TPH4/BTEX +
TPH4

SPECIAL INSTRUCTIONS
*If Benzene conc. > 5ppb then run by EPA P240
Invoice + Report to Chester Clark
Attn: Bob Price
537 Hidden Vly Rd.
Grants Pass, OR 97527
cc report to Blaine Tech
ADD'L INFORMATION STATUS CONDITION LAB SAMPLE #

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	4-21-95	1420	FA. VAN DEN BROEK	Standard JTA	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	4/24/95	11:20	<i>[Signature]</i>	4/24/95	11:20
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		



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

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

A N A L Y T I C A L R E P O R T

Prepared for:

Clark's Home & Garden
537 Hidden Valley Rd.
Grant's Pass, OR 97527

Date: 12-MAY-95
Lab Job Number: 120767
Project ID: 950421-V-4
Location: Clarks Home & Garden

Reviewed by: _____

Reviewed by: _____

This package may be reproduced only in its entirety.



LABORATORY NUMBER: 120767
 CLIENT: CLARK'S HOME GARDEN
 PROJECT ID: 950421-V-4
 LOCATION: CLARK'S HOME & GARDEN

DATE SAMPLED: 04/21/95
 DATE RECEIVED: 04/24/95
 DATE EXTRACTED: 05/05/95
 DATE ANALYZED: 05/10/95
 DATE REPORTED: 05/11/95
 BATCH NO: 20469

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)
120767-001	#1	**	1,900*	50
METHOD BLANK	N/A	ND	ND	50

ND = Not detected at or above reporting limit. Reporting limit applies to all analytes.

* Sample chromatogram does not resemble hydrocarbon standard.

** Kerosene range not reported due to overlap of hydrocarbon ranges.

QA/QC SUMMARY: BS/BSD

RPD, % 1
 RECOVERY, % 95



LABORATORY NUMBER: 120767
 CLIENT: CLARK'S HOME GARDEN
 PROJECT ID: 950421-V-4
 LOCATION: CLARK'S HOME & GARDEN

DATE SAMPLED: 04/21/95
 DATE RECEIVED: 04/24/95
 DATE ANALYZED: 04/26/95
 DATE REPORTED: 05/11/95
 BATCH NO.: 20245

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)
120767-001	#1	1,500+	3.1	5.9*	45	62
METHOD BLANK	N/A	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)

+ Result obtained from a dilution analyzed on 05/05/95 Batch No:20465.
 Sample chromatogram does not resemble the gasoline standard pattern.
 * Presence of this compound by second column; however, the confirmation concentration differed from the reported result by more than a factor of two.

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

QA/QC SUMMARY: BS/BSD

=====
 RPD, % 1
 RECOVERY, % 106
 =====

BLAINE TECH SERVICES INC

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SAN JOSE, CA 95133
(408) 995-5535
FAX (408) 293-8773

(2076)

CHAIN OF CUSTODY		
950421-V-4		
CLIENT		
Chester Clark		
SITE		
Clark's Home + Garden		
23040 Clawitter Rd		
Hayward, CA.		
SAMPLE I.D.	MATRIX	CONTAINERS
	S = SOIL W = H2O	TOTAL
#1	W	5 <small>CITRUS WAS</small>

C = COMPOSITE ALL CONTAINERS

CONDUCT ANALYSIS TO DETECT									
TPH #1	TPH #2								

LAB Curtis Tompkins DHS # _____

ALL ANALYSES MUST MEET SPECIFICATIONS AND DETECTION LIMITS SET BY CALIFORNIA DHS AND

EPA RWOCB REGION _____

LIA

OTHER

SPECIAL INSTRUCTIONS
 *If Benzene conc. > 5ppb then run by EPA 8240
 Invoice + Report to Chester Clark
 537 Hidden Vly Rd.
 Grants Pass, OR 97527
 cc report to Blaine Tech.

ADD'L INFORMATION	STATUS	CONDITION	LAB SAMPLE #

SAMPLING COMPLETED	DATE	TIME	SAMPLING PERFORMED BY	RESULTS NEEDED NO LATER THAN	
	4-21-95	1420	FA. VAN DEN BROEK	Standard TPH	
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
<i>[Signature]</i>	4/24/95	11:20	<i>[Signature]</i>	4/24/95	11:20
RELEASED BY	DATE	TIME	RECEIVED BY	DATE	TIME
SHIPPED VIA	DATE SENT	TIME SENT	COOLER #		