

October 2, 1995

Department of Environmental Health State Water Resources Control Board Division of Clean Water Programs UST Local Oversight Program 1131 Harbor Bay Parkway Alameda, CA 94502-6700

Attn: Amy Leech

Hazardous Materials Specialist

Subject: Investigations at 23040 Clawiter Rd, Hayward, CA

StId #3736

Dear Ms. Leech,

Enclosed is a copy of the last report dated July 24, 1995 on the groundwater sampling for 23040 Clawiter Road. I wasn't sure if Blaine Tech Services sent you a copy. Sorry I took so long, I have been out of town most of the summer. Chester Clark is my father. My husband Bob Price and I handle all this for him.

Sincerely,

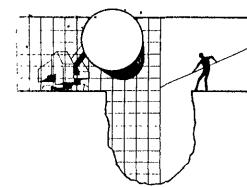
Shirley Price

537 Hidden Valley Road

Grants Pass, OR 97527

(503) 476-9977

an: Ind St. Toole



BLAINE TECH SERVICES INC.

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

July 24, 1995

Chester Clark 537 Hidden Valley Road Grants Pass, OR 97527

ATTN: Bob Price

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

Date: July 7, 1995

GROUNDWATER SAMPLING REPORT 950707-V-3

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 bailers.

Samples were collected using 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.

The following addresses have been listed here for your convenience:

Water Quality Control Board San Francisco Bay Region 2101 Webster Street, 5th Floor Oakland, CA 94612

ATTN: Dennis Mishek

Alameda Fire Dept. 300 Park Street Alameda, CA 94501

ATTN: Albert L. Smith

Please call if we can be of any further assistance.

RCB/lp

attachments: table of well monitoring data chain of custody

TABLE OF WELL MONITORING DATA

Well I.D.	#1			#1			
Date Sampled	04/21/95			07/07/95			
Well Diameter (in.)	2			2			
Total Well Depth (ft.)	23.65			23.53			
Depth To Water (ft.)	13.39			14.08			
Free Product (in.)	NONE			NONE			
Reason If Not Sampled							
1 Case Volume (gal.)	1.64			1.51			
Did Well Dewater?	NO			NO			
Gallons Actually Evacuated	5.0				5.0		
Purging Device	BAILER			BAILER			
Sampling Device	BAILER			BAILER			
Time	14:01	14:05	14:07	14:08	14:11	14:13	
Temperature (Fahrenheit)	64.2	63.2	64.2			64.6	
н́q	7.8	7.4	7.4	7.2	7.0	7.0	
Conductivity (micromhos/cm)	3800	1800	1800	800	800	800	
Nephelometric Turbidity Units	>200	>200	>200	>200	>200	>200	
BTS Chain of Custody	950421~	V-4		950707-	V-3		
BTS Sample I.D.	#1			#1			
Analysis	TPH (GAS), BTEX TPH (DIESEL)			TPH (GAS), BTEX £ TPH (DIESEL)			
		•		,			

SUMMARY OF CAR RESULTS in parts per billion unless otherwise noted

DOHS HMTL Laboratory	CURTIS & TOMPKINS	CURTIS & TOMPKINS
Laboratory Sample I.D.	120767-001	121686-001
TPH Gasoline	1500+	3100
Benzene	3.1	7.7
Toluene	5.9	8.1
Ethyl Benzene	45	54
Xylene Isomers	62	92
TPH Diesel	1900	3200

In the interest of clarity, an addendum has been added to the TABLE which lists analytical results in such a way that our field observations are presented together with the analytical results. This addendum is entitled a SUMMARY OF CAR RESULTS. As indicated by the title, the source documents for these numbers are the laboratory's certified analytical reports. These certified analytical reports (CARs) are generated by the laboratory as the sole official documents in which they issue their findings. Any discrepancy between the CAR and a tabular or text presentation of analytical values must be decided in favor of the CAR on the grounds that the CAR is the authoritative legal document.

BLAINE 985 TIMOTHY DRIVE SAN JOSE, CA 95133	3		CON	DUCT AN	ALYSIS	TO DETECT		LLAB Confis	of To	mpkin	/5 (DHS#	r
TECH SERVICES INC (408) 995-5535 FAX (408) 293-8773								ALL ANALYSES MUS SET BY CALIFORNIA	T MEET SPECI			s ·
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CLIENT CHESTER CLARK	HRS H						-	LIA PO	HE CL F	EPORT -	TO BAINE I	ech.
SITE MARK	CONTAINERS	*	7					SPECIAL INSTRUCT	ONSIF BE	NZENE.	PNIC > 500	ر ا
SITE CLARK'S HOME of GARDEN		1						RUN by EPA	8Z4/5			J
23040 CLAWITER Rd.	E ALL	120	Die					INVALLE & 7	moth	allect	-01.6	
HAYWARD, CA.	OSIT	D	1					AHN: BOB PR	ILE	CHESTE	- WOR	
MATRIX CONTAINERS	COMPOSITE ALL	M	17.					RUN by EPA TNUGIZE OF PE AHN: BOB PE 537 GRAH	HILLIS	VALLEY I	td. 621	· }
SAMPLE I.D. OS TOTAL	Ů							ADD'L INFORMATION		CONDITION		
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SAMPLING DATE TIME SAMPLING PERFORMED BY	A,	V	'Du	೧∂∈	WE	Noce	۴,	RESULTS NEEDED (NO LATER THAN	Karti	*		
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SHIPPED VIA DAT	E SEN	VT	TIME	SENT	C∞	LER #	•.					



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

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

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

Date: 26-JUL-95

Lab Job Number: 121869 Project ID: 950707-V3

Location: Clarks Home & Garden

Reviewed by:

Reviewed by: Koon

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Berkeley

Irvine



Page 1 of 1

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THE STATE OF THE S	olatile Organics	by GC/MS	
	Carry Service Merchanis		
Client: Clark's Home & Garden		Analysis Method:	
Project#: 950707-V3		Prep Method:	EPA 5030
Location: Clarks Home & Garden			
			A
Field ID: 1		Sample Date:	07/07/95
Lab ID: 121869-001		Received Date:	07/10/95
Matrix: Water		Prep Date: Analysis Date:	07/24/95 07/24/95
Batch#: 22134		WHEILDER Dace.	07/24/55
Units: ug/L Diln Fac: 1			
D1111 1 400 1		0.000.00.000.000.0000.0000.0000.0000.0000	T 500 0 10 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0
Analyte	Result	Repo	rting Limit
Chloromethane	ND		10
2romomethane	מא		10
Vinyl Chloride	ND		10
Chloroethane	ND		10
Methylene Chloride	ND		20
Acetone	מא		20
Carbon Disulfide	ND		5.0
Trichlorofluoromethane	ND		5.0
1,1-Dichloroethene	ND		5.0
1,1-Dichloroethane	ND		5.0
trans-1,2-Dichloroethene	ND		5.0
cis-1,2-Dichloroethene	ND		5.0
Chloroform	ND		5.0 5.0
Freon 113	ND ND		5.0
1,2-Dichloroethane	ND		10
2-Butanone 1,1,1-Trichloroethane	ND ND		5.0
Carbon Tetrachloride	ND ND		5.0
Vinyl Acetate	מא		50
Bromodichloromethane	מא מא		5.0
1,2-Dichloropropane	ND		5.0
cis-1,3-Dichloropropene	ND		5.0
Trichloroethene	ND		5.0
Dibromochloromethane	ND		5.0
1,1,2-Trichloroethane	ND		5.0
Benzene	7.2		5.0
trans-1,3-Dichloropropens	ND		5.0
2-Chloroethylvinylether	ND		10
Bromoform	ND		5.0
2-Hexanone	ND		10
4-Methyl-2-Pentanone	ND		10
1,1,2,2-Tetrachloroethane	ND		5.0
Tetrachloroethene	ND		5.0
Toluene	ND ND		5.0
Chlorobenzene	ND 51		5.0 5.0
Ethylbenzene	ИD		5.0
Styrene	65		5.0
m,p-Xylenes o-Xylene	23		5.0
Surrogate.	&Recovery :	Reco	very Limits
23.5 min 6 15 min 20 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	102	and decreases and a factor of the companies.	38-110
Tolu ene-d8 Bromofluorobenzene	102 105		36-115
1,2-Dichloroethane-d4	103		76-114
T' 2-NTOHTOTORCHOUR.CA	200	•	



Lab #: 121869

BATCH QC REPORT

Page 1 of 1

	EPA 82	40 Volatile Organics	
Project#:	Clark's Home & Garden 950707-V3 Clarks Home & Garden	Analysis Method: Prep Method:	: EPA 8240 EPA 5030
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LABORA	TORY CONTROL SAMPLE	
Matrix: Batch#: Units: Diln Fac:	Water 22134 ug/L	Prep Date: Analysis Date:	07/25/95 07/25/95

LCS Lab ID: QC99343

Analyte	Result	Spike Added	%Rec #	Limits
1,1-Dichloroethene	51.96	50	104	61-145
Trichloroethene	55.03	50	110	71-120
Benzene	57.16	50	114	76-127
Toluene	58.48	50	117	76-125
Chlorobenzene	59.53	50	119	75-130
Surrogate	%Rec	Limits		
Toluene-d8	98	88-110		
Bromofluorobenzene	99	86-115		
1.2-Dichloroethane-d4	100	76-114		

[#] Column to be used to flag recovery and RPD values with an asterisk
* Values outside of QC limits

Spike Recovery: 0 out of 5 outside limits



Lab #: 121869

BATCH QC REPORT

Page 1 of 1

Project#:	Clark's Home & Garden 950707-V3 Clarks Home & Garden	Analysis Method: EPA 8240 Prep Method: EPA 5030
		METHOD BLANK
Matrix: Batch#: Units: Diln Fac:	Water 22134 ug/L	Prep Date: 07/24/95 Analysis Date: 07/24/95

MB Lab ID: QC99342

Analyte	Result	Reporting Limit
Chloromethane	ND	10
Bromomethane	ND	10
Vinyl Chloride	ND	10
Chloroethane	ND	10
Methylene Chloride	ND	20
Acetone	ND	20
Carbon Disulfide	ND	5.0
Trichlorofluoromethane	ND	5.0
1,1-Dichloroethene	ND	5.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
Freen 113	ND	5.0
1,2-Dichloroethans	ND	5.0
	ND	10
2-Butanone 1,1,1-Trichloroethane	ND ND	5.0
1,1,1-Trichioroethane	ND ND	5.0
Carbon Tetrachloride		50
Vinyl Acetate	ND	5.0
Bromodichloromethane	ИD	5.0
1,2-Dichloropropane	ND	5.0
cis-1,3-Dichloropropene	ND	
Trichloroethene	ND	5.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0
Benzene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
2-Chloroethylvinylether	ΝΌ	10
Bromoform	ND	5.0
2-Hexanche	ND	10
4-Methyl-2-Pentanone	ND	10
1,1,2,2-Tetrachloroethane	ND	5.Q
Tetrachloroethene	ND	5.0
Toluene	ИD	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	5.0
Styrene	ND	5.0
m, p-Xylenes	ИD	5.0
o-Xylene	ND	5.0
		No accepts 7 in the
Surrogate	₹Rec	Recovery Limits
Toluene-d8	93	88-110 86-115
Bromofluorobenzene	94	86-115
1,2-Dichloroethane-d4	91	76-114



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2323 Fifth Street, Berkeley, CA 9471O, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

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

Date: 23-JUL-95

Lab Job Number: 121686 Project ID: 950707-V3

Location: Clarks Home & Garden

Reviewed by:

Reviewed by:

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Irvine

LABORATORY NUMBER: 121686

CLIENT: CLARK'S HOME & GARDEN

PROJECT ID: 950707-V3

LOCATION: CLARK'S HOME & GARDEN

Curtis & Tompkins, Ltd.

DATE SAMPLED: 07/07/95
DATE RECEIVED: 07/10/95
DATE EXTRACTED: 07/10/95

DATE ANALYZED: 07/14/95 DATE REPORTED: 07/23/95

BATCH NO: 21826

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

LAB ID	CLIENT ID	DIESEL RANGE (ug/L)	REPORTING LIMIT (ug/L)
121686-001	1	3,200	50
METHOD BLANK	N/A	ND	50

ND = Not detected at or above reporting limit.

QA/QC SUMMARY: BS/BSD

RPD, %	15
RECOVERY, %	89



LABORATORY NUMBER: 121686

CLIENT: CLARK'S HOME & GARDEN

PROJECT ID: 950707-V3

LOCATION: CLARK'S HOME & GARDEN

DATE SAMPLED: 07/07/95 DATE RECEIVED: 07/10/95 DATE ANALYZED: 07/12/95 DATE REPORTED: 07/23/95

BATCH NO.: 21878

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)
121686-001	1		3,100	7.7	8.1*	54	92
METHOD BLANK	A/N		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: MS/MSD of 121503-009

RPD, %
RECOVERY, %
108

^{*} Presence of this compound confirmed by second column; however, the confirmation concentration differed from the reported result by more than a factor of two.