

November 11, 1992  
SCI 709.001

Mr. Brian Oliva  
Alameda Health Care Services Agency  
Hazardous Materials Division  
80 Swan Way, Room 200  
Oakland, California 94612

**Quarterly Groundwater Monitoring Report/Request for Site Closure  
10/27/92 Sampling Event  
Sullivan and Brampton Site  
1688 Abram Court  
San Leandro, California**

Dear Mr. Oliva:

This letter presents quarterly groundwater monitoring results for the referenced site. Groundwater monitoring has been performed at the site as a result of an underground gasoline storage tank release. The tank removal, and contaminated soil remediation were documented in a closure report dated December 27, 1991. A groundwater investigation performed by SCI consisted of the installation and monitoring of three groundwater monitoring wells. The results of the groundwater investigation were recorded in a report dated February 13, 1992.

The latest groundwater monitoring event consisted of (1) measuring groundwater levels, (2) purging five gallons of water from each of the wells, and (3) sampling each well with a pre-cleaned disposable bailer. The samples were retained in glass containers and preserved with hydrochloric acid. The containers were placed in ice filled coolers and remained cooled until delivery to the analytical laboratory. Chain-of-Custody records accompanied the samples to the laboratory.

Analytical testing was performed by Curtis and Tompkins, Ltd., a State of California Department of Health Services (DHS) certified laboratory for hazardous waste and water testing. The analytical tests included:

1. Total volatile hydrocarbons (TVH), EPA method 8015 mod/5030, and
2. Benzene, toluene, xylene and ethylbenzene (BTXE), EPA method 8020/5030.

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A summary of the current and previous analytical test results and groundwater elevation data are presented in Tables 1 and 2, respectively. Analytical test reports and Chain-of-Custody documents are attached.

### Conclusions

The groundwater level data indicate that the groundwater flow direction is toward the southwest at a gradient of approximately 0.2 percent. Groundwater flow direction and gradient remain consistent with previous measurements.

The analytical test results indicate that during the latest sampling event, no detectable concentrations of TVH or BTXE were encountered in the wells.

### Request for Site Closure

SCI has completed groundwater monitoring for four consecutive quarters in accordance with Regional Water Quality Control (RWQCB) guidelines. All analytical test results have shown no hydrocarbon contamination in groundwater above detection limits. We therefore request that the ACHCSA petition the RWQCB for site closure. No additional groundwater monitoring is proposed at this time.

If you have any questions, please call.

Yours very truly,

Subsurface Consultants, Inc.



Sean O. Carson  
Civil Engineer 45074 (expires 3/31/94)

CP:SOC:egh

2 copies submitted

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Alameda Health Care Services Agency  
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Attachments: Table 1 - Petroleum Hydrocarbon Concentrations in  
Groundwater  
Table 2 - Groundwater Elevations  
Plate 1 - Site Plan  
Analytical Test Reports  
Chain-of-Custody Documents

cc: Mr. Eddy So  
Regional Water Quality Control Board  
2101 Webster Street, Suite 500  
Oakland, California 94612

Mr. Mo Malek  
Crocker Capitol  
1 Post Street, Suite 2500  
San Francisco, California 94102

Mr. Mike Bakaldin  
San Leandro Fire Department  
835 East 14th Street  
San Leandro, California 94577

**Table 1.**  
**Petroleum Hydrocarbon Concentrations**  
**in Groundwater**

<u>Well</u>	<u>Date</u>	<u>TVH</u> <u>(mg/l)</u>	<u>B</u> <u>(ug/l)</u>	<u>T</u> <u>(ug/l)</u>	<u>X</u> <u>(ug/l)</u>	<u>E</u> <u>(ug/l)</u>
MW-1	01/27/92	ND	ND	ND	ND	ND
	04/24/92	ND	ND	ND	ND	ND
	07/24/92	ND	ND	ND	ND	ND
	10/27/92	ND	ND	ND	ND	ND
MW-2	01/27/92	ND	ND	ND	ND	ND
	04/24/92	ND	ND	ND	ND	ND
	07/24/92	ND	ND	ND	ND	ND
	10/27/92	ND	ND	ND	ND	ND
MW-3	01/27/92	ND	ND	ND	ND	ND
	04/24/92	ND	ND	ND	ND	ND
	07/24/92	ND	ND	ND	ND	ND
	10/27/92	ND	ND	ND	ND	ND

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TVH = Total volatile hydrocarbons

B = Benzene, EPA method 8020

T = Toluene

X = Xylenes

E = Ethylbenzene

ND = None detected at concentrations above detection limits,  
see test reports for detection limits

mg/l = milligrams per liter or parts per million (ppm)

ug/l = micrograms per liter or parts per billion (ppb)

**Table 2.  
Groundwater Elevations**

<u>Well Number</u>	<u>TOC Elevation (feet)</u>	<u>Date</u>	<u>Groundwater Depth from TOC (feet)</u>	<u>Groundwater Elevation (feet)</u>
MW-1	101.57	01/27/92	15.94	85.63
		04/24/92	15.01	86.56
		07/24/92	15.71	85.86
		10/27/91	16.16	85.41
MW-2	101.33	01/27/92	15.73	85.60
		04/24/92	14.83	86.50
		07/24/92	15.52	85.81
		10/27/91	15.95	85.38
MW-3	100.58	01/27/92	15.02	85.59
		04/24/92	14.12	86.46
		07/24/92	14.80	85.78
		10/27/92	15.24	85.34

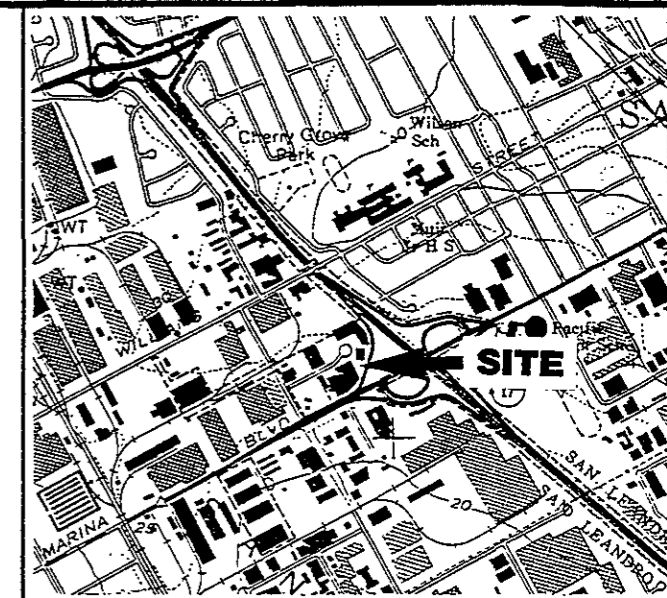
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TOC = Top of casing

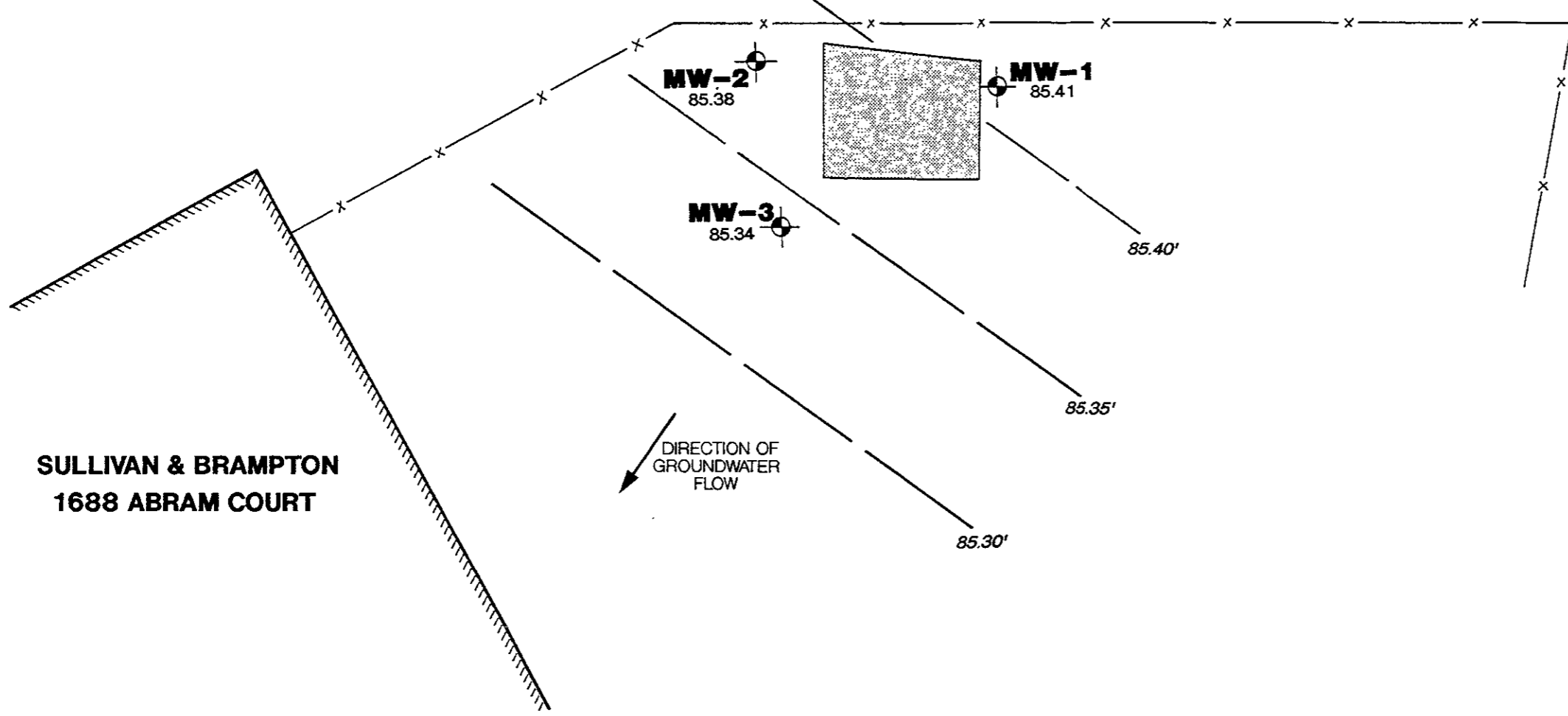
Assumed elevation reference, monument cover at center of Abram Court equals elevation 100.00 feet

ABRAM COURT

ADJACENT BUILDING



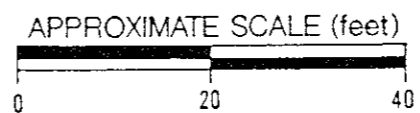
VICINITY MAP



SULLIVAN & BRAMPTON  
1688 ABRAM COURT

DIRECTION OF  
GROUNDWATER  
FLOW

	MONITORING WELL
	GROUNDWATER CONTOUR
	FENCE
	PREVIOUS EXCAVATION



SITE PLAN

NOTE: GROUNDWATER ELEVATIONS ARE REFERENCED TO AN ASSUMED DATUM.

Subsurface Consultants	1688 ABRAM COURT - SAN LEANDRO, CA		PLATE
	JOB NUMBER 709.001	DATE 10/27/92	APPROVED 
			<b>1</b>



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

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

DATE RECEIVED: 10/27/92

DATE REPORTED: 11/05/92

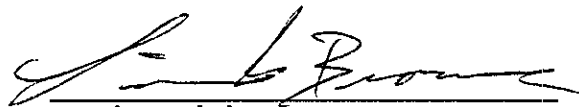
LABORATORY NUMBER: 109092

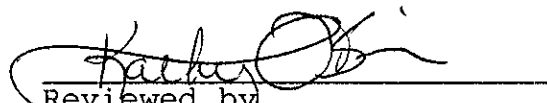
CLIENT: SUBSURFACE CONSULTANTS

PROJECT ID: 709.001

LOCATION: SULLIVAN AND BRAMPTON

RESULTS: SEE ATTACHED

  
Reviewed by

  
Reviewed by

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LABORATORY NUMBER: 109092  
 CLIENT: SUBSURFACE CONSULTANTS  
 PROJECT ID: 709.001  
 LOCATION: SULLIVAN AND BRAMPTON

DATE SAMPLED: 10/27/92  
 DATE RECEIVED: 10/27/92  
 DATE ANALYZED: 11/04/92  
 DATE REPORTED: 11/05/92

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)
109092-1	MW-1	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
109092-2	MW-2	ND(50)	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)
109092-3	MW-3	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, % 97  
 =====



# CHAIN OF CUSTODY FORM

PAGE 1 OF 1

PROJECT NAME: Sullivan and Brampton

JOB NUMBER: 709.001 LAB: Curtis and Tompkins

PROJECT CONTACT: Sean Carson TURNAROUND: Normal

SAMPLED BY: Charles Pearson REQUESTED BY: SOC

ANALYSIS REQUESTED									

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES					
		WATER	SOIL	WASTE	AIR	VOA	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME						
109092-1	MW-1	X				3							X		1	0	2	7	2	1	0	0	0	Y
✓ -2	MW-2	X				3							X		1	0	2	7	2	1	0	4	5	X
✓ -3	MW-3	X				3							X		1	0	2	7	2	1	1	3	0	X

COMMENTS & NOTES:

CHAIN OF CUSTODY RECORD			
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
<i>Charles Pearson</i>	10-27-92 12:12 PM		
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		<i>Terrell Morrison</i>	12/10/92

## Subsurface Consultants, Inc.

171 12TH STREET, SUITE 201, OAKLAND, CALIFORNIA 94607  
 (510) 268-0461 • FAX: 510-268-0137

Curtis Tompkins, Ltd.

# CHAIN OF CUSTODY FORM

PROJECT NAME: Sullivan and Brampton  
 JOB NUMBER: 709.001 LAB: Curtis and Tompkins  
 PROJECT CONTACT: Sean Carson TURNAROUND: Normal  
 SAMPLED BY: Charles Pearson REQUESTED BY: SOC

ANALYSIS REQUESTED											

LABORATORY I.D. NUMBER	SCI SAMPLE NUMBER	MATRIX				CONTAINERS				METHOD PRESERVED					SAMPLING DATE				NOTES	
		WATER	SOIL	WASTE	AIR	VOA	LITER	PINT	TUBE	HCL	H2SO4	HNO3	ICE	NONE	MONTH	DAY	YEAR	TIME		
	MW-1	X				3						X			10	27	92	1000	Y	
	MW-2	X				3						X			10	27	92	1045	X	
	MW-3	X				3						X			10	27	92	1130	X	

COMMENTS & NOTES:

CHAIN OF CUSTODY RECORD			
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
<i>Charles Pearson</i>	10-27-92 12:10 pm		
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
RELEASED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		<i>Teresa Morrison</i>	10/27/92 12:10

Subsurface Consultants, Inc.

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