ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ALAMEDA COUNTY ENV. HEALTH DEPT.
ENVIRONMENTAL PROTECTION DIVISION
1131 HARBOR BAY PKWY., #250
ALAMEDA CA 94502-6577
(510)567-6700

REMEDIAL ACTION COMPLETION CERTIFICATION

StID 180 - 10440 E. 14th Street, Oakland, CA 94603

August 28, 1996

Mr. Anthony A. Bartase
Lloyd Wise Oldsmobile
10500 E. 14th Street
Oakland, CA 94603

Dear Mr. Bartase:

This letter confirms the completion of site investigation and remedial action for the two former underground storage tanks (1-1K gallon product oil and 1-1K gallon waste oil tank) removed from the above site on February 11, 1993. Enclosed is the Case Closure Summary for the referenced site for your records.

Based upon the available information, including the current land use, and with the provision that the information provided to this agency was accurate and representative of site conditions, no further action related to the underground tank release is required.

This notice is issued pursuant to a regulation contained in Title 23, Division 3, Chapter 16, Section 2721(e) of the California Code of Regulations. If changes in land use, structural configuration, or site activities are proposed such that more conservative exposure scenarios should be evaluated, the owner must promptly notify this agency.

It is this agency's understanding that the onsite monitoring well, MW-1-O, will not be decommissioned at this time because Mr. Terry Kegg may need to use the well for further plume characterization at 1433 105th Ave, Oakland, CA.

Please contact Ms. Eva Chu at (510) 567-6700 if you have any questions regarding this matter.

Very truly yours,

Mee Ling Tung

Mee Ling Tung, Director

cc: Chief, Division of Environmental Protection
Kevin Graves, RWQCB
Lori Casias, SWRCB (with attachment)
Terry Kegg, United Acoustics, 1433 105th Ave, Oakland 94603
files (loydwisl.7)

01-1111

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: June 28, 1996

Agency name: **Alameda County-HazMat** Address: **1131 Harbor Bay Pkwy**
City/State/Zip: **Alameda, CA 94502** Phone: **(510) 567-6700**
Responsible staff person: **Eva Chu** Title: **Hazardous Materials Spec.**

II. CASE INFORMATION

Site facility name: **Lloyd Wise Oldsmobile**
Site facility address: **10440 E. 14th Street, Oakland, CA 94603**
RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: **180**
URF filing date: **6/8/94** SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
A. A. Bartase Lloyd Wise Oldsmobile	10440 E. 14th Street Oakland, CA 94603	

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	1,000	Product Oil	Removed	2/11/93
2	1,000	Waste Oil	Removed	2/11/93

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: **Leaking UST**
Site characterization complete? **YES**
Date approved by oversight agency: **5/18/95**
Monitoring Wells installed? **Yes** Number: **1**
Proper screened interval? **Yes, 14 to 24' bgs**
Highest GW depth below ground surface: **14.18** Lowest depth: **18.57'**
Flow direction: **Southwesterly**
Most sensitive current use: **Commercial**
Are drinking water wells affected? **No** Aquifer name: **Unknown**
Is surface water affected? **No** Nearest affected SW name: **NA**
Off-site beneficial use impacts (addresses/locations): **None**

Report(s) on file? **YES** Where is report(s) filed? **Alameda County**
1131 Harbor Bay Pkwy
Alameda, CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Tank	2 USTs	H & H, in San Francisco	2/11/93
Free Product	550 gallon	H & H, in San Francisco	
Rinseate	230 gallon	H & H, in San Francisco	2/11/93

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) Before[1]	Soil (ppm) After[2]	Water (ppb) Before[3]	Water (ppb) After
TPH (Gas)	20	ND	27,000	ND
TPH (Diesel)	660	ND	NA	NA
Benzene	ND	ND	780	ND
Toluene	0.140	ND	8,700	ND
Ethylbenzene	0.420	ND	1,300	ND
Xylenes	3.0	ND	6,300	ND
Oil & Grease	1,400	ND	ND	ND
Heavy metals				
Other Ethylene glycol	220	46	ND	ND
8240	see Note 4	NA	see NOTE 5	ND
8270	ND	NA	ND	ND

NOTE: 1 soil sample collected at time of UST removal
2 soil samples collected after overexcavation to 16' bgs
3 "grab" water sample collected from tank pit at time of UST removal
4 0.34ppm cis 1,3 dichloropropene, 0.042ppm PCE, 4.2ppm chlorobenzene, 0.095, 0.57, and 2.1 ppm 1,3 dichlorobenzene, 1,4 dichlorobenzene, and 2,1 ppm 1,2 dichlorobenzene, respectively
5 5.7ppb cis 1,2 DCE, 3.2ppb TCE

Comments (Depth of Remediation, etc.): See Section VII.

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? **Undetermined**
Does corrective action protect public health for current land use? **YES**
Site management requirements: **None**
Should corrective action be reviewed if land use changes? **YES**
Monitoring wells Decommissioned: **No**
Number Decommissioned: **0** Number Retained: **1**
List enforcement actions taken: **NOV issued 5/4/95**
List enforcement actions rescinded: **Above, in compliance**

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: **Eva Chu** Title: **Haz Mat Specialist**

Signature: [signature] Date: 7/17/96

Reviewed by

Name: **Dale Klettke** Title: **Haz Mat Specialist**

Signature: [signature] Date: 7/8/96

Name: **Thomas Peacock** Title: **Supervisor**

Signature: [signature] Date: 7-15-96

VI. RWQCB NOTIFICATION

Date Submitted to RB: 7/19/96 RB Response: Approved

RWQCB Staff Name: **Kevin Graves** Title: **AWRCE**

Signature: [signature] Date: 8-12-96

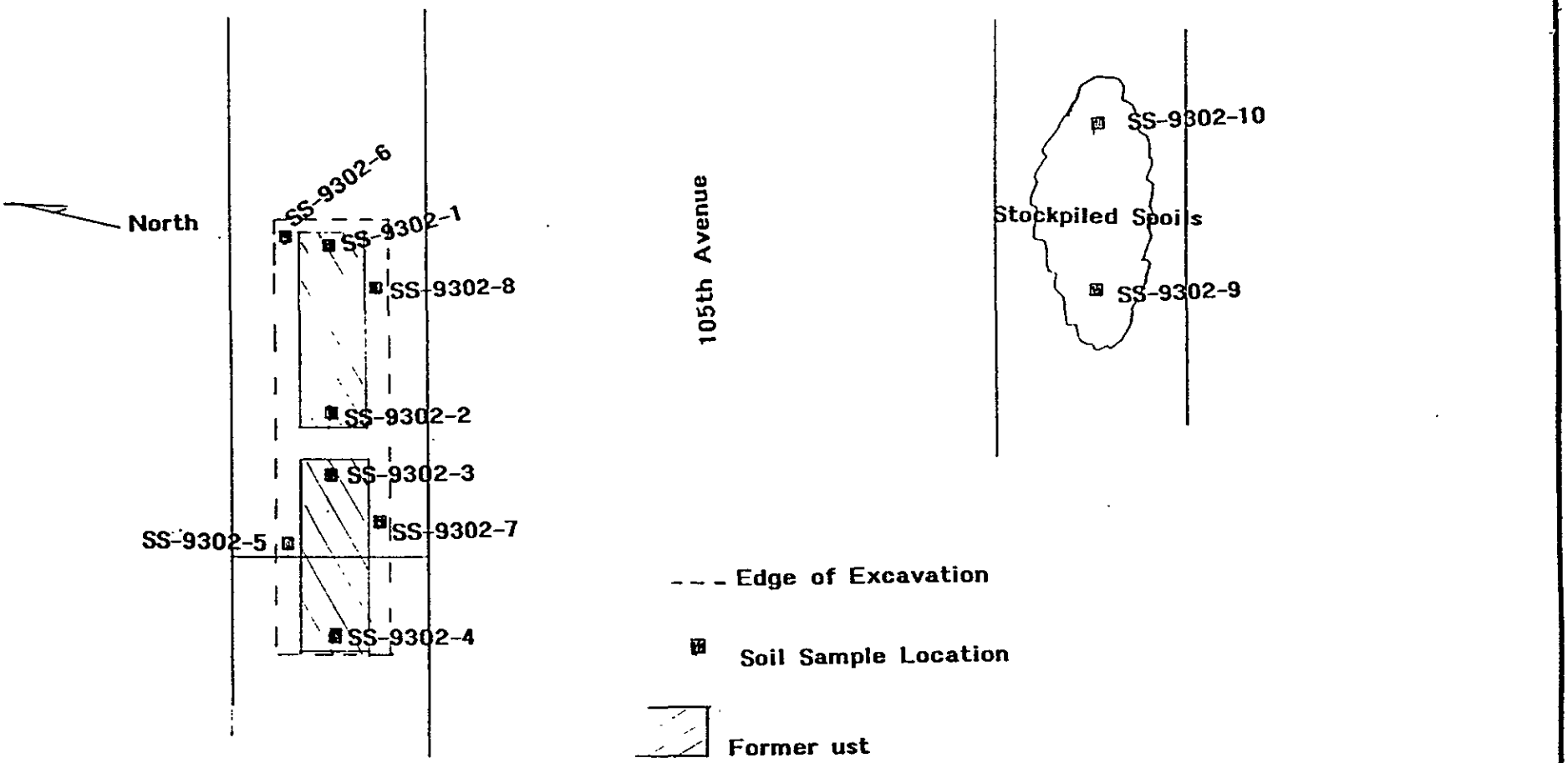
VII. ADDITIONAL COMMENTS, DATA, ETC.

When two USTs (1-1K product oil, 1-1K waste oil) in a common pit beneath the sidewalk were removed in 2/11/93, it was noted that the USTs were heavily corroded with several visible holes. Soil samples collected identified elevated levels of TPHd, TOG, and ethylene glycol (EG). Low levels of BTEX and HVOCs were also identified, but semi-volatile compounds were not detected. A "grab" groundwater sample identified elevated TPHg and BTEX. (See Fig 1, Table 1)

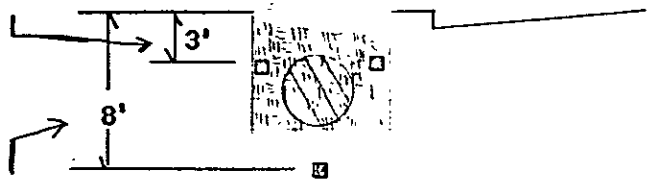
In May 14, 1993 the pit was overexcavated to 16' bgs, destroying the first monitoring well (no documentation is available on its construction). Five confirmatory samples did not contain TPHg, TPHd, TOG, or BTEX, but revealed up to 46 ppm EG. These were the only constituents sought.

In April 1994 a replacement well was installed through the fill material of the final excavation to a depth of 24' bgs. (See Boring Log). Initial groundwater sampling identified trace levels of DCE, TCE and Pb. Subsequent sampling in 5/18 and 8/9/95 did not contain TPHg, TPHd, BTEX, TOG, EG, HVOCs, or SVOCs. (See Fig 2, Table 2). It appears overexcavation removed most of the hydrocarbon-impacted soil. Groundwater does not appear to have been significantly impacted by the fuel release. Continued sampling is not warranted.

loydwis1.6



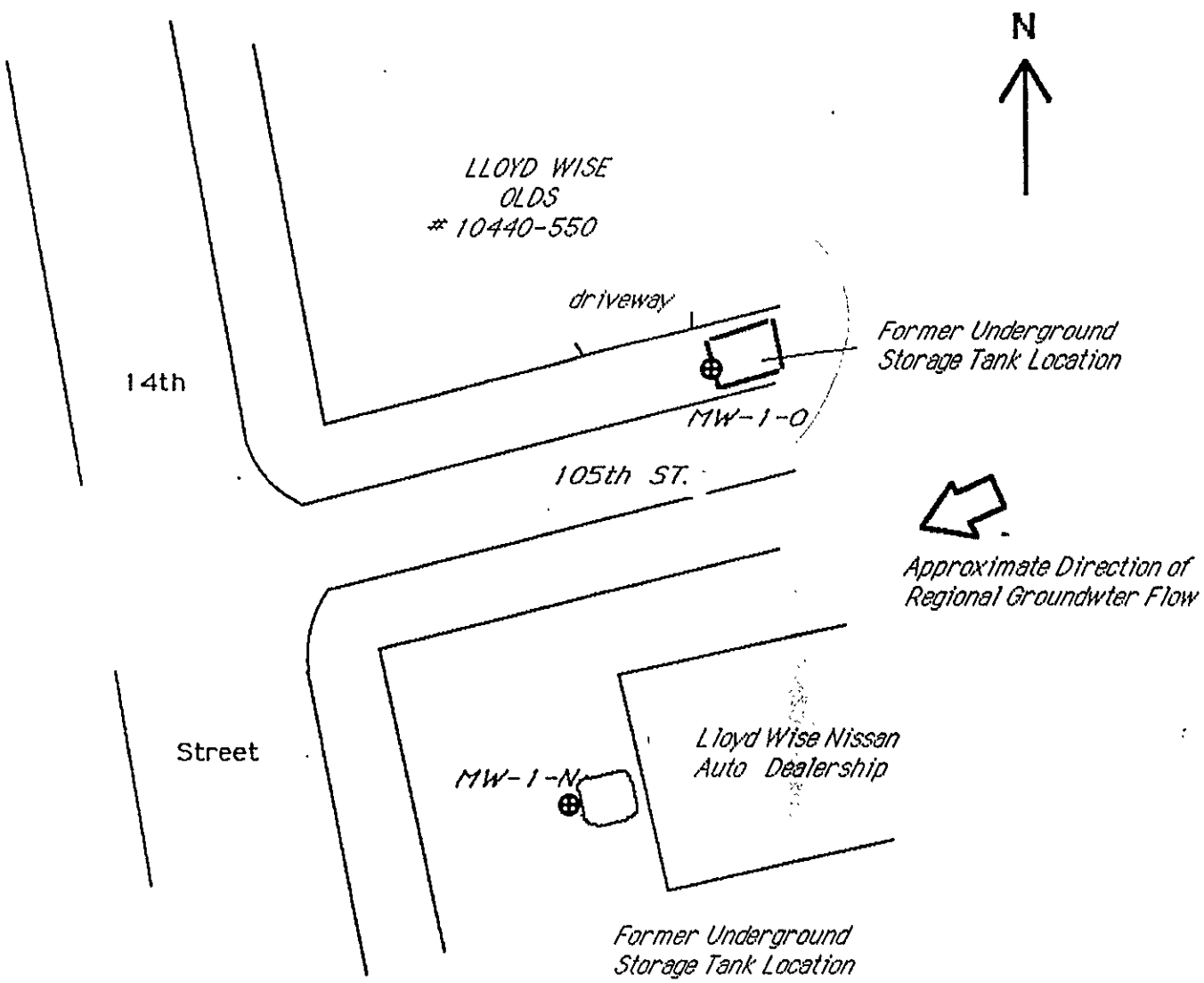
Depth of Soil Samples 6-8



Depth of Soil Samples 1-4

FIG 1

GEN-TECH ENVIRONMENTAL INC		
SCALE: 1"-10'	APPROVED BY:	DRAWN BY DBG
DATE:		REVISED
Soil Sample Location Map		
10440 E 14th Street, Oakland, CA		DRAWING NUMBER 9302-4



⊕ Monitoring Well Location

0 30

GEN TECH
ENVIRONMENTAL, INC.
SAN JOSE, CA

SITE PLAN
Monitoring Well Location Map
Lloyd Wise Olds
10500 East 14th Street
Oakland, CA

Project No. 9352
Scale: 1' = 30'
Date: April, 1994

FIGURE # 2

TABLE 1

The laboratory analysis results sheets are in Attachment 4 to this report. Following is a table indicating the analysis results for the soil samples.

	W.O. 9302-1	W.O 9302-2	product oil 9302-3	product oil 9302-4
TPH Gas	ND	1.1ppm	ND	20ppm
TPH Disl	ND	660ppm	ND	ND
B	ND	ND	ND	ND
T	ND	7ppb	ND	140ppb
E	ND	7ppb	ND	93ppb
X	ND	44ppb	ND	590ppb
Ethyl Glycol			ND	220ppm
Oil & Grease	61ppm	1400ppm	510ppm	320ppm
CIS-1 3-Dich	ND	ND	ND	340ppb
Tetra Chloro	ND	ND	ND	42ppb
Chloro Benzine	ND	ND	ND	4200ppb
Ethyl Benzine	ND	8.8ppb	ND	420ppb
1,3 Dichloro benzene	ND	ND	ND	95ppb
1,4 Dichloro benzene	ND	ND	ND	570ppb
1,2 Dichloro benzene	ND	ND	ND	2100ppb
Total xylenes	7.4ppb	60ppb	ND	3000ppb

Cont. Table 1

	9302-6	9302-7	9302-9	9302-WS2 'grab' water
TPH Gas	ND	ND	ND	27ppm
TPH Disl	ND	ND	ND	
B	ND	ND	ND	780ppb
T	ND	ND	ND	8700ppb
E	ND	ND	ND	1300ppb
X	ND	ND	ND	6300ppb
Ethyl Glycol				
Oil & Grease	410ppm	480ppm	ND	
CIS-1 3-Dich	ND	ND	ND	ND
Tetra Chloro	ND	ND	ND	ND
Chloro Benzine	ND	ND	ND	ND
Ethyl Benzine	ND	ND	ND	ND
1,3 Dichloro benzene	ND	ND	ND	ND
1,4 Dichloro benzene	ND	ND	ND	ND
1,2 Dichloro benzene	ND	ND	ND	ND
Total xylenes	ND	ND	ND	6200ppb
Toluene	ND	ND	ND	11000ppb

Cont. Table 1

	9302-1	9302-2	9302-3	9302-4
Cadmium	ND	ND	ND	ND
Chromium	28ppm	30ppm	28ppm	25ppm
Lead	10ppm	12ppm	13ppm	36ppm
Nickel	51ppm	51ppm	51ppm	54ppm
Zinc	38ppm	65ppm	65ppm	80ppb

	9302-6	9302-7	9302-9	9302-WS2
Cadmium	ND	ND	ND	ND
Chromium	30ppm	33ppm	31ppm	ND
Lead	45ppm	21ppm	11ppm	1.0ppm
Nickel	55ppm	58ppm	58ppm	ND
Zinc	116ppm	119ppm	48ppm	120ppb

April 1994

Chemical Analysis and Results

Two soil and two groundwater samples were analyzed at a State certified analytical laboratory. Soil and groundwater samples from MW-1-N were tested for the following; Total Petroleum hydrocarbons as Gasoline (TPHG), Total Petroleum Hydrocarbons as Diesel (TPHD), Kerosene (K), Benzene (B), Toluene (T), Ethylbenzene (E) and Xylene (X). Groundwater samples from MW-1-O were analyzed for TPHG, TPHD, Benzene (B), Toluene (T), Ethylbenzene (E), Xylene (X), Oil and Grease (OG) and Volatile Organic Compounds (VOC) and Ethylene Glycol using EPA Methods 3550, 3510/8015, 5030, 5520, 8015, 8020 and 624. The results are attached (see Appendix D) and listed below in Tables 1 and 2.

TABLE 1. SOIL BORING CHEMICAL DATA

Sample No.	TPHG mg/kg	Benzene ug/kg	Toluene ug/kg	Ethylbenzene ug/kg	Xylene ug/kg
MW#1-N@C/F	ND	8.6	ND	ND	10
MW#1-N@15'	30	10	ND	220	970

TABLE 2. GROUNDWATER CHEMICAL DATA

Sample No.	TPHG ug/l	TPHD ug/l	B ug/l	T ug/l	E ug/l	X ug/l	OG ug/l	VOA ug/l	EG ug/l	Pb mg/l
MW-1-O	ND	ND	ND	ND	ND	ND	ND	Yes*	ND	0.010
MW-1-N	120,000	NR	2,000	2,600	4,500	40,000	NR	NR	NR	0.010 → results of GW from adjacent site, also belonging to same r.p.
Blank	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND - Not Detected
NR - Not Requested
mg/kg - milligram per kilogram (ppm) ug/kg - microgram per kilogram (ppb)
mg/l - milligram per kilogram (ppm) ug/l - microgram per liter (ppb)
Yes* - 5.7 ppb cis-1,2-dichloroethene (DCE); 3.2 ppb trichloroethene (TCE)

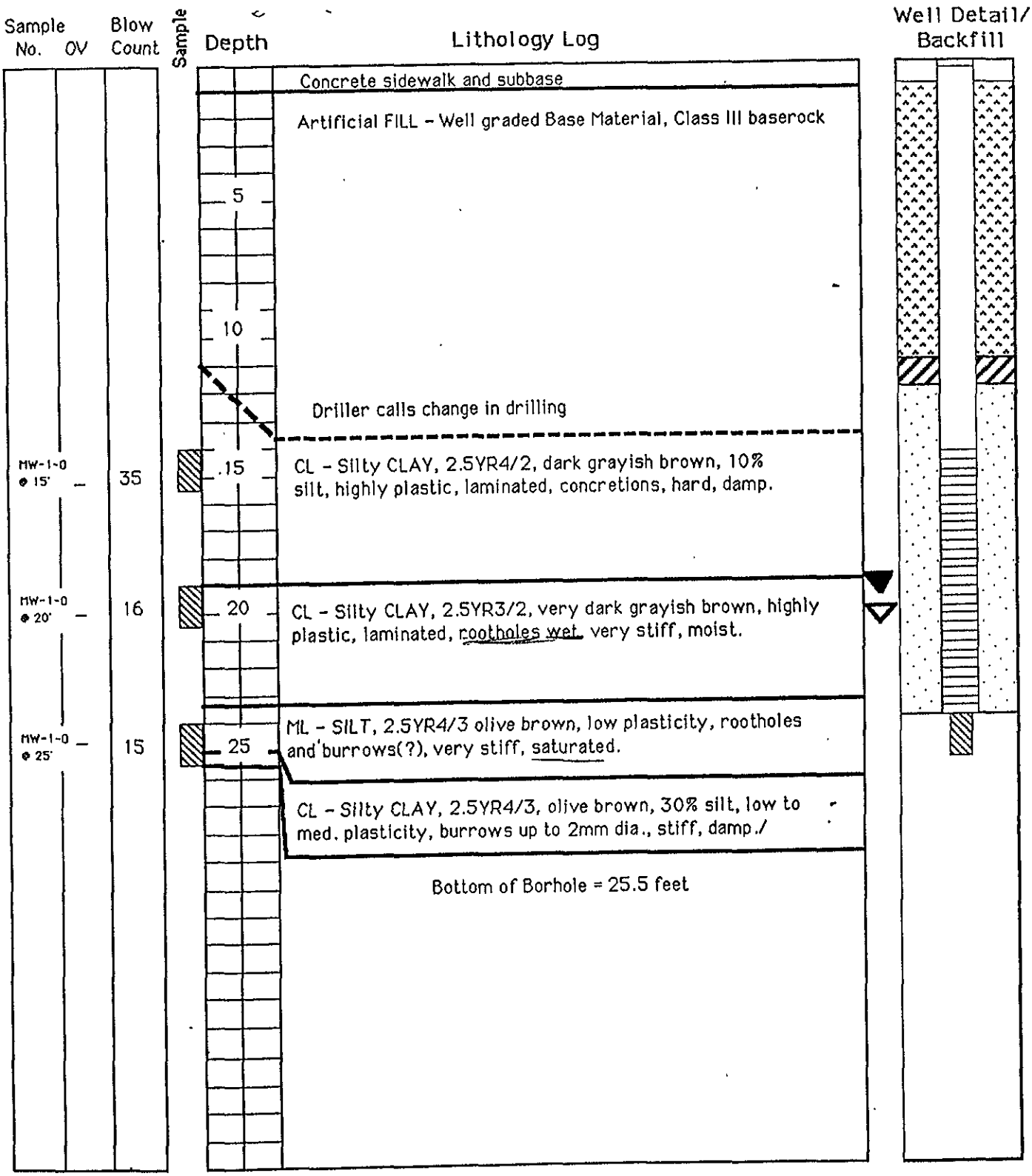
If well MW-1-O is screened on top of aquifer, could there be higher concentrations of DCE + TCE if well was screened lower?,

Gen Tech Environmental, Inc. San Jose, CA

Exploratory Boring Log

Project No. 9352 Boring/Well No. MW-1-0
Client: A. A. Batarse Date Drilled:
Location: 105th St. Oakland, CA Logged by: EL
Drilling Method: Hollowstem
Permit: ACFDWCD 94231
Water Levels: 1st Enc: 21' Static: 19.48'

Borehole Completion
Well Installed: Sch 40 PVC 2" dia.
Total Depth: 25.5' Casing Depth: 24.5'
Screen Length: 10' 0.020 Blank Length: 13.5'
Top Sand Pack: 12' 2/12 sand
Top Bentonite: 11'
Grout Seal: 11' to 1' surface vault box



Lloyd Wise Oldsmobile