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

November 26, 2001
StID #3566/RO0000086

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

REMEDIAL ACTION COMPLETION CERTIFICATION

Leo & Maria Pagano Tr
1104 Fountain St.
Alameda, CA 94501

RE: 1127 Lincoln Ave., Alameda, CA 94501

Dear Sir or Madam:

This letter confirms the completion of site investigation and remedial action for the two (2)-4000 gallon, two (2)-1000 gallon gasoline and one (1)-550 waste oil tank located at the above described location. Thank you for your cooperation throughout this investigation. Your willingness and promptness in responding to our inquiries concerning the former underground tank is greatly appreciated.

Based on information in the above-referenced file and with provision that the information provided to this agency was accurate and representative of site conditions, this agency finds that the site investigation and corrective action carried out at your underground storage tank(s) site is in compliance with the requirements of subdivisions (a) and (b) of Section 25299.37 of this Health and Safety Code and with corrective action regulations adopted pursuant to Section 25299.77 of the Health and Safety Code and that no further action related to the petroleum release(s) as the site is required.

This notice is issued pursuant to subdivision (h) of Section 25299.37 of the Health and Safety Code.

Please contact Barney Chan at (510) 567-6765 if you have any questions regarding this matter.

Sincerely,

Mee Ling Tung
Director, Environmental Health

c: B. Chan, Hazardous Materials Division-files
Chuck Headlee, RWQCB
Mr. Allan Patton, SWRCB Cleanup Fund
City of Alameda Planning Dept., 2263 Santa Clara Ave., Rm 190, Alameda, CA 94501

RACC1127LincolnAve

RB# 01-0902

CASE CLOSURE SUMMARY
Leaking Underground Fuel Storage Tank Program

I. AGENCY INFORMATION Date: ~~February 27~~ July 11, 2001

Agency name: Alameda County-HazMat Address: 1131 Harbor Bay Parkway Room 250

City/State/Zip: Alameda, CA 94502-6577 Phone: **(510) 567-6700**

Responsible staff person: Barney Chan Title: Hazardous Materials Spec.

II. CASE INFORMATION

Site facility name: Former Texaco Service Station

Site facility address: 1127 Lincoln Avenue, Alameda, CA 94501

RB LUSTIS Case No: **N/A** Local Case No./LOP Case No.: 3566 RO# 86

ULR filing date: 1/8/90 SWEEPS No: **N/A**

Responsible Parties:	Addresses:	Phone Numbers:
Leo & Maria Pagano Tr	1104 Fountain St. Alameda, CA 94501	510-522-1878

Tank No:	Size in gal.:	Contents:	Closed in-place or removed?:	Date:
1	4,000	gasoline	removed	9/11/89
2	4,000	gasoline	removed	"
3	1,000	gasoline	removed	"
4	1,000	gasoline	removed	"
5	550	waste oil	removed	"

III. RELEASE AND SITE CHARACTERIZATION INFORMATION

Cause and type of release: During 1989 UST removals, soil samples collected indicated that petroleum hydrocarbons were present in the soil.

Site characterization complete? Yes

Date approved by oversight agency:

Monitoring Wells installed? YES Number: 11 mon. and 5 vapor extraction

Proper screened interval? Yes

Highest GW depth: 3 feet bgs Lowest depth: 8 feet bgs

Flow direction: Northerly, toward the inner harbor with slight variations to the northwest and northeast

Leaking Underground Fuel Storage Program

Most sensitive current use: mixed commercial/residential

Are drinking water wells affected? No Aquifer name:

Is surface water affected? No Nearest affected SW name:

Off-site beneficial use impacts (addresses/locations): NA

Report(s) on file? Yes Where are report(s) filed?
Alameda County EHS
1131 Harbor Parkway, 2nd Floor
Alameda CA 94502

Treatment and Disposal of Affected Material:

Material	Amount (include units)	Action (Treatment or Disposal w/destination)	Date
Soil	20 cubic yards	Disposed @McKittrick Draw, CA	11/16/89
	172 cu yd	Disposed @Zanker Rd. Disposal & Recycling, San Jose, CA	2-5/90
USTs	2-4K, 2-1k & 1-550	Disposed @ H&H Ship, SF	9/11/89
Liquid waste	Tank contents unk	Disposed @ Refinery Service, Patterson	9/8/89

Soil vapor and dissolved TPH removed by SVE/GWE system operated 9/93-9/96
Groundwater 1.7 million gal of gw extracted, treated, disposed to sanitary sewer

Maximum Documented Contaminant Concentrations - - Before and After Cleanup

Contaminant	Soil (ppm) 1 Before	Soil (ppm) After 2	Water (ppb) 3 Before	Water (ppb) After 4
TPPH	6200		24,000	1870
Benzene	240		9400	12.7
Toluene	740		2200	2.4
Ethylbenzene	180		900	237
Xylenes	1000		2400	210
MTBE				ND
TOG	ND			
TPH-d	ND			
Metals Cd, Cr, Pb, Zn	ND, 11, 5, 22			
VOCs- acetone (?)	0.61			
BNAs (semi-volatiles)	ND			

Comments (Depth of Remediation, etc.):
1 soil samples from original tank removal
2 none taken
3 historically highest MW result (1992-93)
4 most recent 8/8/00 monitoring event

Leaking Underground Fuel Storage Tank Program

IV. CLOSURE

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? unknown

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? unknown

Does corrective action protect public health for current land use? YES

Site management requirements: The City of Alameda Planning Dept. will be notified of potential residual soil and groundwater contamination

Should corrective action be reviewed if land use changes? yes

Monitoring wells Decommisioned: ~~NO~~ Yes 11/15/01 BChan

Number Decommisioned: ~~no~~ 16 Number Retained: ~~11 mon. & 5 vapor extraction~~ 0

List enforcement actions taken:

List enforcement actions rescinded:

V. LOCAL AGENCY REPRESENTATIVE DATA

Name: Barney M. Chan Title: Hazardous Materials Specialist

Signature: Barney M Chan Date: 7/11/01

Reviewed by

Name: eva chu Title: Hazardous Material Specialist

Signature: Eva Chu Date: 7/11/01

Name: Susan Hugo Title: Acting Supervisor

Signature: Susan L. Hugo Date: 6/19/01

VI. RWQCB NOTIFICATION

Date Submitted to RB: Chris Headlee RB Response: concur

RWQCB Staff Name: C. Headlee Title: AEG Date: 7/16/01

VII. ADDITIONAL COMMENTS, DATA, ETC. see site summary

Site summary for 1127 Lincoln Ave., Alameda CA 94501

This is a former Texaco Station located on the northwest corner of Lincoln Ave. and Bay St. **See Figure A1** . The site is approximately 3500 feet south of the Alameda Inner Harbor, which accounts for the northerly gradient observed. The site is located within a mixed commercial and residential area. The site operated as a Texaco station from 1931 to 1985. Mr. Leo Pagano purchased the property and business in 1965 and was "sold" the five USTs for $1 each by Texaco.

On September 11, 1989, four gasoline USTs (2-1000 gallon and 2-4000 gallon) and one 550 gallon waste oil tank were removed from the site. Groundwater was not encountered. A total of thirteen (13) soil samples (HA-1, BH-2 through BH-13) were collected from the sides and ends of the tanks on September 11 at depths ranging from 7.5' to 12' bgs. Apparently, samples BH10 through BH-13 were collected after further excavation that same day. The sample from beneath the waste oil tank, HA-1, was basically clean with the exception of detecting 0.61 ppm of acetone, a common laboratory contaminant. The other samples exhibited rather elevated concentrations of TPH; up to 6100 ppm TPHg, and 240, 740, 160, 1000 ppm BTEX, respectively. **See Plate 4 A-10 and Table 1 for the location and results of these samples.** Composite soil samples were also collected from the excavated stockpile soils. The spoils, approximately 200 cy, were either disposed or recycled after aeration.

In March 1991, a total of 15 borings were advanced at the site, three of which were converted into monitoring wells MW-1 through MW-3 and five of which were converted in shallow screened vapor extraction wells designated VW-1 through VW-5. The results confirmed that the shallow soils in the vicinity of the former gasoline tanks and product dispensers had been impacted by petroleum hydrocarbons. The soils encountered beneath the site were consistently found as silty sand down to the shallow groundwater, which was encountered from 6-9.5' bgs. Because of this soil type, vapor wells, screened from 6-9', were installed for future remediation. **See Plate 2 and Table 3 for the location and results of these samples.** Borings B1 through B3 were converted into wells MW-1 through MW-3 and borings 10A, 10B and 10C were advanced beneath the former dispensers. The maximum soil contamination was found on the easternmost borings. The maximum groundwater contamination was detected in MW-1 in the northeast corner of the property. The initial groundwater direction was northeast indicating a potential risk to the neighboring residential properties. **Attached are the boring logs, a site map and a cross section plot.**

On March 10, 1992, a vapor extraction test was performed. It was concluded that vapor extraction in combination with groundwater extraction would be effective. Given the shallow groundwater (3-8' bgs) at the site, however, the vertical and lateral extent of vapor extraction would be greatly enhanced if the groundwater table could be lowered.

In June 1992, five groundwater monitoring wells, MW-4 through MW-8, were installed in borings B-12 through B-16, respectively, both on and off-site to further define the extent of groundwater contamination MW-5 was located between the former 4000 gallon USTs and the down-gradient residential property. Very little soil contamination was found in the soil samples from these borings indicating that such contamination was limited in extent See Figure 2 and Table 4 for the location and results of soil samples from these borings. Boring logs are also attached.

Site summary for 1127 Lincoln Ave., Alameda CA 94501

On July 21, 1992 a groundwater pump test was done on MW-5. Results estimated a zone of capture of 150' up-gradient and 24' down-gradient of the well. Therefore, groundwater extraction was deemed viable.

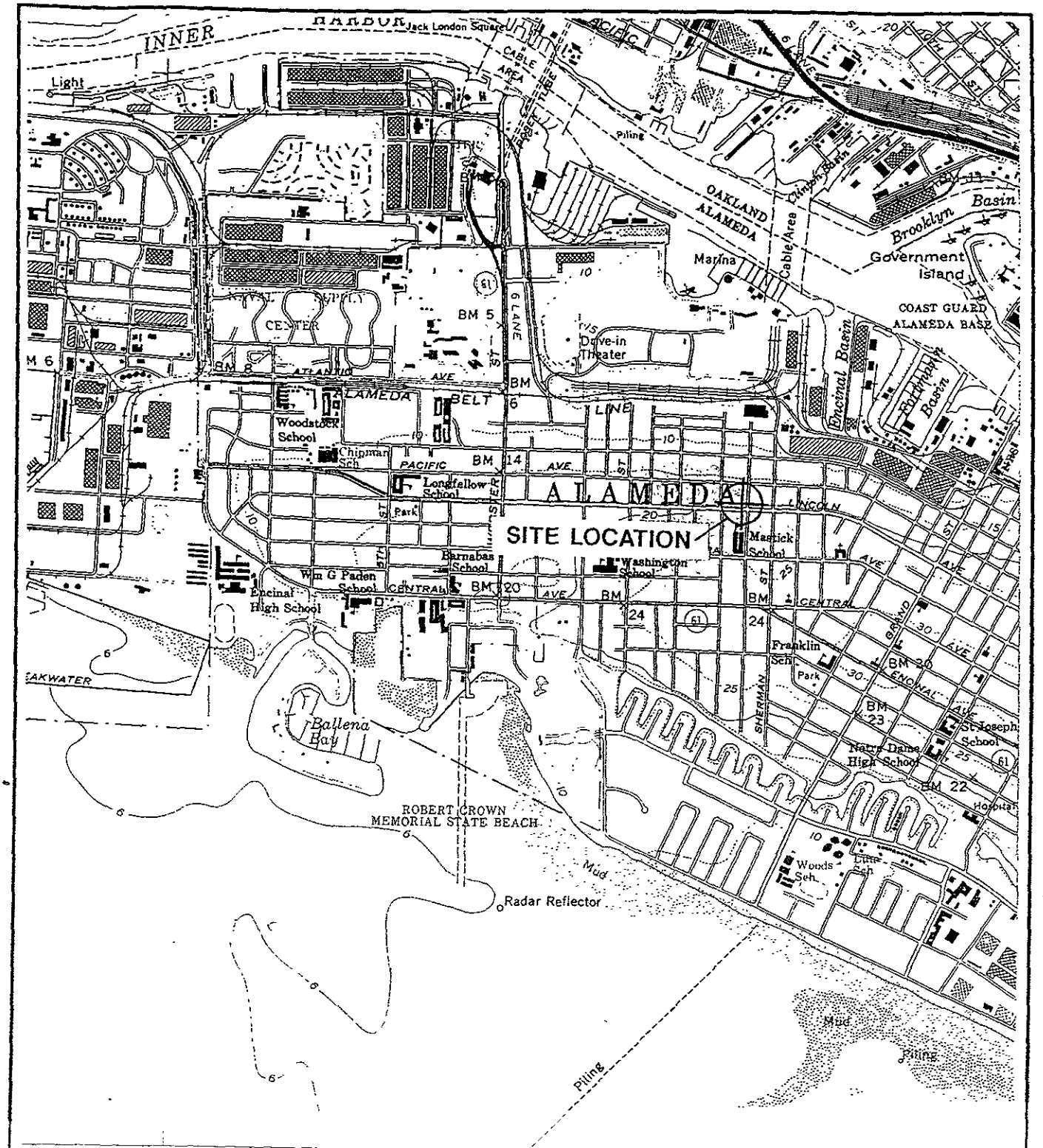
Because of the initial elevated concentrations found in off-site well MW-8 and the request to investigate the potential of the sanitary sewer running down the middle of Bay St., additional borings and monitoring wells were advanced **from February to May 1995 to delineate the down-gradient extent of the plume. Three monitoring wells, MW-9 through MW-11, and nine direct push probes designated B-1 through B-9 were advanced.** Little to no TPH was detected in any of the soil samples from these borings. The only significant amount of TPH found in the borings was in B-1 immediately adjacent to the site on the west side of Bay St. Although no borings were done immediately next to the sanitary sewer, little to no contamination was observed on either side of the utility, therefore, it is not likely acting as a preferential pathway for this site. **See Figure A-2 and Tables 5 & 6 for sample locations and analytical results. Also attached are the boring logs for the wells and borings.**

A SVE/GWE system was operated at the site from September 1993 to September 1996 with the exception of the period between March 22 and July 12, 1994. Soil vapors were extracted from VW-1 through VW-5 and soil vapor and groundwater was extracted from wells MW-1, MW-2 and MW-5. In September 1996, the system was shut down with concurrence of Alameda County. Although no confirmation soil samples were taken, it appears that the majority of the soil contamination has been remediated by either physical or natural means. When the SVE system was restarted in July 1994 after being shut down for 3 months, no spike in vapor concentration was observed suggesting that little TPH remains in the soil.

Groundwater monitoring has continued from this time on a quarterly basis to the latest event in August 2000, a total of (16) sixteen events. **See historical groundwater sampling results.** A brief risk evaluation was done. Considering that the original elevated soil samples were taken at depths from 8-11' bgs, these samples are currently below the current depth to groundwater. Current groundwater TPH and BTEX concentrations were compared to the RBSLs from SFRWQCB's August 2000 Final Interim document titled, "Application of Risk-Based Screening Levels and Corrective Action to Sites With Contaminated Soil and Groundwater" and found to be below their respective clean-up levels.

Site closure is recommended based upon:

- Removal of sources has occurred. The underground tanks and piping have been removed and active remediation through the groundwater and soil vapor extraction system was done from September 1993 to September 1996. A total of 1.7 million gallons of groundwater was removed over this time.
- The site has been adequately characterized with numerous wells and borings both on and off-site. The neighboring residences do not appear to be at any health risk.
- Long term monitoring indicates that the plume is shrinking and is limited to the onsite property.
- Surveys indicate no water wells, surface water or other sensitive receptor, which could be impacted from this release.
- Based on the expected residual soil and groundwater concentrations, no risk to human health or the environment would be expected



GROUNDWATER TECHNOLOGY

SOURCE: U.S.G.S. 7.5' QUAD SHEET
OAKLAND WEST, CALIFORNIA
PHOTOREVISED 1980

N

SCALE: 0 FEET 2000

SITE LOCATION MAP

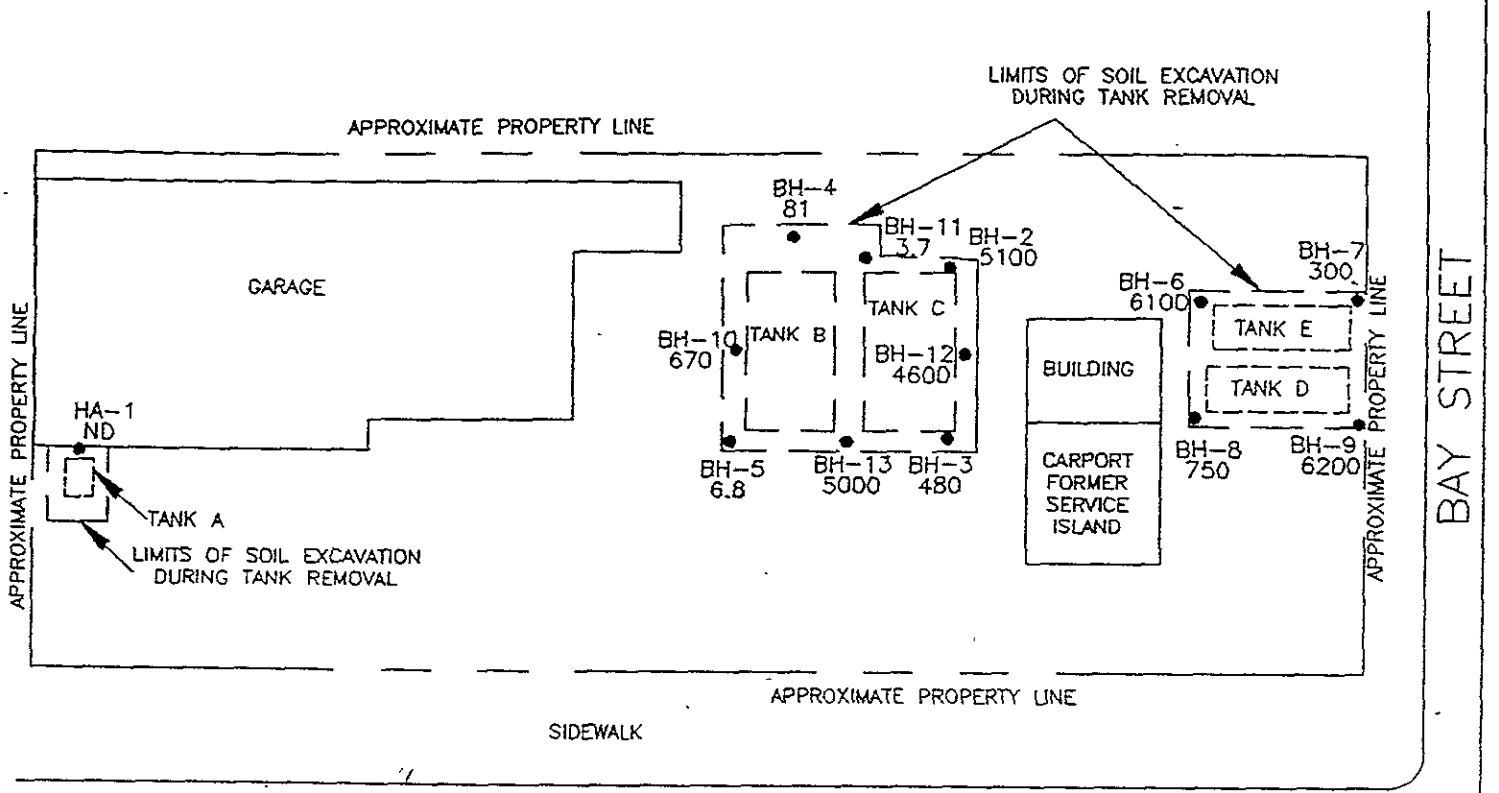
CLIENT: TEXACO REFINING & MARKETING INC.

DATE: 3/29/95

LOCATION: 1127 LINCOLN AVENUE
ALAMEDA, CALIFORNIA

FIGURE: 1

A-1



LINCOLN AVENUE

EXPLANATION

HA-1 ● = Soil sampling location (Environmental-Bio-Systems, 9/11/89)

6,200 = Concentration of TPHg in ppm

ND = Not detected above reporting limit

N

Approximate Scale

30 15 0 30 60

feet

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PROJECT 61006-1

TANK EXCAVATION SOIL SAMPLES
Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

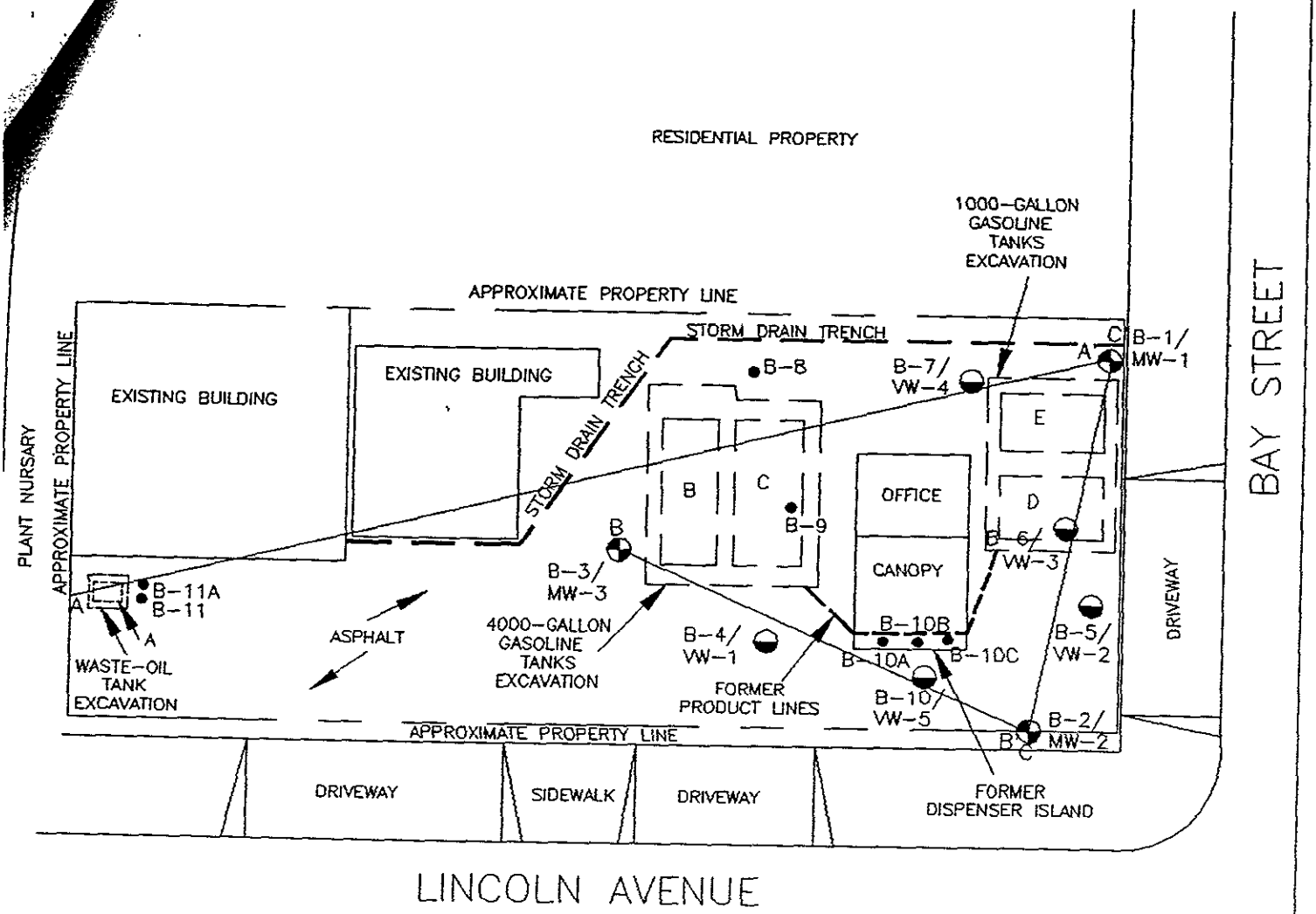
PLATE 4

A-10

PREVIOUS LABORATORY ANALYSES OF SOIL SAMPLES INITIAL TANK PULL SAMPLES
(Source: McLaren/Hart, 1991)
Former Bay Street Texaco Station
Alameda, California
(Page 1 of 2)

Sample Location	Sample ID	Sample Depth	TPHg	TPHd	B	T	E	X	TOG	ACETONE
TANK A (Center)	HA-1	7.5	ND	ND	ND	ND	ND	ND	ND	0.61
TANK B (North End)	BH-4	10.5	81	NA	0.7	1.0	1.5	5.5	NA	NA
TANK B (South End)	BH-5	10.5	6.8	NA	0.3	0.5	0.3	0.8	NA	NA
TANK B (West End)	BH-10	10.0	670	NA	2.9	8.3	22	110	NA	NA
TANK B and C (South End)	BH-13	11.0	5,000	NA	21	200	150	380	NA	NA
TANK C (North End)	BH-2	11.0	5,100	NA	84	180	150	500	NA	NA
TANK C (North End)	BH-11	12.0	3.7	NA	ND	0.1	0.1	0.5	NA	NA
TANK C (South End)	BH-3	11.0	480	NA	2.0	23	11	43	NA	NA
TANK C (East End)	BH-12	11.0	4,600	NA	42	220	160	350	NA	NA
TANK D (West End)	BH-8	8.5	750	NA	15	56	21	120	NA	NA
TANK D (East End)	BH-9	8.5	6,200	NA	240	740	180	1,000	NA	NA
TANK E (West End)	BH-6	8.0	6,100	NA	93	430	140	610	NA	NA
TANK E (East End)	BH-7	8.0	300	NA	6.6	22	8.5	48	NA	NA

See Notes of Page 2 of 2



EXPLANATION

B-10C ● = Soil boring (Applied GeoSystems, March and April 1991)

B-10/ VW-5 = Vapor monitoring/extraction well (Applied GeoSystems, March 1991)

B-3/ MW-3 = Ground-water monitoring well (Applied GeoSystems, March 1991)

C C' = Geologic cross sections

E = Former underground storage tank locations

N

Approximate Scale

20 10 0 20 40

feet

Source. Surveyed by Ron Archer, Civil Engineer, Inc March 1991

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PROJECT 61006-1

GENERALIZED SITE PLAN
Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PLATE 2

TABLE 3
LABORATORY ANALYSES OF SOIL SAMPLES
Former Bay Street Texaco Station
Alameda, California
(Page 1 of 2)

Sample Number	TPHg	B	T	E	X	TPHd	TOG	VOCs & Semi-VOCs
S-2½-B1	1.6	0.006	0.052	0.009	0.083	NA	NA	NA
S-5½-B1	<1.0	<0.005	<0.005	<0.005	0.007	NA	NA	NA
S-8½-B1	7,300	17	350	130	630	<10	NA	NA
S-2½-B2	<1.0	<0.005	0.007	<0.005	0.023	NA	NA	NA
S-5½-B2	<1.0	<0.005	<0.005	<0.005	0.014	<10	NA	NA
S-3½-B3	<1.0	<0.005	<0.005	<0.005	0.006	NA	NA	NA
S-6½-B3	48	<0.005	<0.005	0.089	0.65	<10	NA	NA
S-4½-B4	600	<0.005	0.23	6.0	32	NA	NA	NA
S-6½-B4	1,500	0.087	10	26	130	<10	NA	NA
S-2½-B5	<1.0	0.006	0.019	0.018	0.11	NA	NA	NA
S-5½-B5	1,100	<0.005	5.1	8.1	47	<10	NA	NA
S-8½-B5	9,200	93	540	160	770	NA	NA	NA
S-2½-B6	11	0.013	0.31	0.14	0.99	NA	NA	NA
S-5½-B6	58	<0.005	1.4	0.84	4.9	<10	NA	NA
S-8½-B6	2,700	60	290	53	260	NA	NA	NA
S-3½-B7	5.1	<0.005	0.072	0.026	0.15	NA	NA	NA
S-7-B7	13	0.24	0.61	0.44	1.3	<10	NA	NA
S-2½-B8	<1.0	<0.005	0.006	<0.005	0.015	NA	NA	NA
S-5½-B8	<1.0	<0.005	<0.005	<0.005	0.010	<10	NA	NA
S-2½-B9	<1.0	<0.005	<0.005	<0.005	0.007	NA	NA	NA
S-5½-B9	<1.0	<0.005	<0.005	<0.005	0.009	<10	NA	NA
S-2½-B10	1.7	<0.005	0.017	0.027	0.14	NA	NA	NA
S-5½-B10	2,600	<0.005	12	31	160	NA	NA	NA
S-8½-B10	1,400	2.6	32	21	110	<10	NA	NA
S-2½-B10A	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-3-B10B	2.1	<0.005	0.007	<0.005	0.079	NA	NA	NA
S-3-B10C	4.3	<0.005	0.023	0.14	0.55	NA	NA	NA
S-2½-B11	<1.0	<0.005	<0.005	<0.005	0.008	NA	NA	NA
S-5½-B11	<1.0	<0.005	<0.005	<0.005	0.007	<10	NA	NA
S-3½-B11A	NA	NA	NA	NA	NA	NA	<50	0.9*
S-6-B11A	NA	NA	NA	NA	NA	NA	<50	1.0*

See notes on Page 2 of 2

TABLE 2

LABORATORY ANALYSES OF SOIL SAMPLES
Former Bay Street Texaco Station
Alameda, California
(Page 2 of 2)

Sample depth measured in feet.
Results in parts per million (ppm).

NA = Not analyzed.
< = Below indicated laboratory detection limit.
TPHg = Total petroleum hydrocarbons as gasoline (analyzed by EPA Method 5030/8015).
TPHd = Total petroleum hydrocarbons as diesel (analyzed by EPA Method 3550/8015).
B = benzene, T = toluene, E = ethylbenzene, X = total xylene isomers.
BTEX = Measured by EPA Method 5030/8020.
TOG = Total oil and grease (analyzed by Standard Method 5520 E/F).
VOCs = Volatile organic compounds (analyzed by EPA Method 8010).
Semi-VOCs = Semi-volatile organic compounds (analyzed by EPA Method 8270)
(* = ND with the exception of indicated concentration of Di-N-butyl phthalate)

Sample Identification: S-6-B11A
- S = Soil sample
- 6 = Sample depth
- B11A = Boring number

Boring: 21-1/2 feet Diameter of boring: 10 inches Date drilled: 3-12-91

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5 to 20 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (2 inches) baserock (1 inch).	
				SM	Silty sand, fine-to medium-grained, light brown, damp, medium dense.	
2	S-2.5	4 4 6	0			
4						
6	S-5.5	6 8 8	0.6		Color change to light brown with rusty mottling.	
8	S-8.5	7 8 10	432	▽	Color change to gray, moist; obvious product odor. Wet.	
10						
12	S-11.5	8 9 11	0.6		Sand medium-to coarse-grained.	
14	S-14.5	9 8 12	0		Sand fine-to medium-grained, color change to rusty light brown.	
16						
18	S-17.5	8 10 10	0		Slightly coarse sand, mottled gray-brown.	
20	S-20.5	9 10 12	0			
					Total Depth = 21-1/2 feet.	

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LOG OF BORING B-1/MW-1

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006-1

Depth of boring: 20-1/2 feet Diameter of boring: 10 inches Date drilled: 3-12-91

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5-20 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) baserock (2 inches).	
				SM	Silty sand, fine-to medium-grained, brown, damp, loose.	
2	S-2.5	3 5 4	0			
4					Color change to light blue-gray, moist, medium dense; noticeable product odor.	
6	S-5.5	8 6 7	180			
				▽	Wet.	
8	S-8.5	7 7 8	12.7		Color change to light gray-brown.	
10						
12	S-11.5	7 9 10	0			
14	S-14.5	8 8 10	0		Color change to light brown.	
16						
18	S-17.5	8 9 11	0		Some coarse-grained sand particles.	
20	S-19.5	7 8 9	0			
					Total Depth = 20-1/2 feet.	

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LOG OF BORING B-2/MW-2

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006-1

Depth of boring: 20 feet Diameter of boring: 10 inches Date drilled: 3-12-91

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5-20 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (2 inches) baserock (2 inches).	
2				SM	Silty sand, fine-to medium-grained, dark to light brown, damp, loose.	
4	S-3.5	3 4 5	0			
6	S-6.5	4 7 8	5	▽	Color change to light brown, moist, medium dense. Wet.	
8						
10	S-9.5	4 6 9	0		Color change to light gray-brown.	
12	S-12.5	6 8 9	0		Color change to light brown.	
14						
16	S-15.5	7 9 10	0		Some coarse-grained sand.	
18						
20	S-19	10 11 11	0		Color change to gray-brown. Total Depth = 20 feet.	

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-3/MW-3

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 9-1/2 feet Diameter of boring: 6 inches Date drilled: 3-12-91

Well depth: 8 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 6-8 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (2 inches) baserock (2 inches).	
				GM	Silty gravel, subangular 1/4" to 2" diameter, light brown, damp, medium dense: Fill?	
2						
4	S-4.5	5 5 6	80.2			
				SM	Silty sand, fine-to medium-grained, dark gray-brown, damp, medium dense.	
6	S-6.5	5 7 8	112.4		Color change to rusty-brown.	
					Color change to light gray.	
8	S-8.5	7 8 10	33.4	▽	Wet.	
					Total Depth = 9-1/2 feet.	
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-4/VW-1

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 9-1/2 feet Diameter of boring: 6 inches Date drilled: 3-12-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 6-9 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (4 inches) baserock (4 inches).	
2	S-2.5	4 5 5	0	SM	Silty sand, fine-to medium-grained, dark brown, damp, medium dense; noticeable product odor.	
4						
6	S-5.5	6 8 9	254		Color change to blue-gray, moist.	
8	S-8.5	7 7 7	303	▽	Wet.	
10					Total Depth = 9-1/2 feet.	
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-5/VW-2

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 13-1/2 feet Diameter of boring: 6 inches Date drilled: 3-12-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 6-9 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (3 inches) baserock (2 inches).	
				SM	Silty sand, fine-to medium-grained, gray, damp, medium dense; noticeable product odor: Backfill.	
2	S-2.5	6 7 7	38.4			
				GM	Silty gravel, black, moist, medium dense; asphalt debris: Backfill.	
4				SM	Silty sand, fine-to medium-grained, light gray-brown, moist, medium dense: Backfill.	
	S-5.5	8 9 10	462			
6						
8	S-8.5	7 8 8	283	▽	Wet.	
					Approximate bottom of former tank excavation.	
10				SM	Silty sand, fine-to medium-grained, light gray-brown, moist, medium dense: Native soil?	
12	S-12.5	10 11 14	0.6			
					Total Depth = 13-1/2 feet.	
14						
16						
18						
20						

Applied GeoSystems

LOG OF BORING B-6/VW-3

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006-1

Depth of boring: 16-1/2 feet Diameter of boring: 6 inches Date drilled: 3-12-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen Interval: 6-9 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) baserock (6 inches).	
2				SM	Silty sand, fine-to medium-grained, dark brown, damp, medium dense.	
					Color change to light brown.	
4	S-3.5	3 6 8	0			
6	S-6.5	4 7 8	158		Color change to blue-gray, damp to moist; noticeable product odor.	
8						
10	S-9.5	6 7 7	30.1	▽	Wet.	
12	S-12.5	6 8 9	1			
14						
16	S-15.5	7 10 11	1			
					Total Depth = 16-1/2 feet.	
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-7/VW-4

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 9 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen Interval: N/A Slot size: N/A

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional: _____

Registration No.: _____ State: _____

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Asphalt (4 inches).	
				GM	Silty gravel, gray, damp, medium dense: Fill?	
2	S-2.5	2 4 5	2.2	SM	Silty sand, fine-to medium-grained, brown, damp, loose.	
4						
	S-5.5	5 7 8	1	▽	Wet.	
6				▼		
8	S-8	6 8 9	5.4		Color change to gray; noticeable product odor.	
					Total Depth = 9 feet.	
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-8

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

[redacted]

of boring: 8-1/2 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen Interval: N/A Slot size: N/A

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional: _____

Registration No.: _____ State: _____

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (4 inches) baserock (3 inches).	
				SM	Silty sand, fine-to medium-grained, light brown, medium dense: Backfill.	
2	S-2.5	4 5 6	0			
4						
6	S-5.5	6 6 8	0.6			
		7		▽	Wet.	
8	S-8	6 8	0			
					Total Depth = 8-1/2 feet.	
10						
12						
14						
16						
18						
20						

Applied GeoSystems

LOG OF BORING B-9

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006-1

Depth of boring: 9-1/2 feet Diameter of boring: 6 inches Date drilled: 3-12-91

Well depth: 9 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 6-9 feet Slot size: 0.020-inch

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
					Concrete (5 inches), asphalt (1 inch), baserock (4 inches).	
				SM	Silty sand, fine-to medium-grained, dark brown, damp, medium dense; noticeable product odor.	
2	S-2.5	4 6 7	25.4			
4						
	S-5.5	5 7 9	116.8		Color change to light blue-gray; obvious product odor.	
6						
8	S-8.5	4 7 10	282	▽	Wet.	
					Total Depth = 9-1/2 feet.	
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-10/VW-5

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 2-1/2 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Slot size: N/A

Drilling Company: Driller:

Method Used: Hand Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: State:

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
				SM	Silty sand, fine-to medium-grained, brown, damp, medium dense.	
2	S-2.5					
					Total Depth = 2/1-2 feet.	
4						
6						
8						
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-10A

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 3 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Slot size: N/A

Drilling Company: Driller:

Method Used: Hand Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: State:

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
				SM	Silty sand, fine-to medium-grained, brown, damp, medium dense.	
2	S-3					
					Total Depth = 3 feet.	
4						
6						
8						
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-10B

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 3 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Slot size: N/A

Drilling Company: Driller:

Method Used: Hand Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: State:

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0						
2	S-3			SM	Silty sand, fine-to medium-grained, brown, damp, medium dense.	
4					Total Depth = 3 feet.	
6						
8						
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-10C

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 9-1/2 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen interval: N/A Slot size: N/A

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional: _____

Registration No.: _____ State: _____

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (3 inches) baserock (2 inches).	
				SM	Silty sand, fine-to medium-grained, dark brown, damp, medium dense.	
2	S-2.5	4 6 7	0		Color change to light brown.	
4						
6	S-5.5	5 5 7	0			
8				▽	Wet.	
	S-8.5	7 8 10	0			
10					Total Depth = 9-1/2 feet.	
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-11

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 7 feet Diameter of boring: N/A Date drilled: 3-13-91

Well depth: N/A Material type: N/A Casing diameter: N/A

Screen Interval: N/A Slot size: N/A

Drilling Company: Gregg Drilling Driller: Chris and Andy

Method Used: Hollow-Stem Auger Field Geologist: Steve Strausz

Signature of Registered Professional:

Registration No.: State:

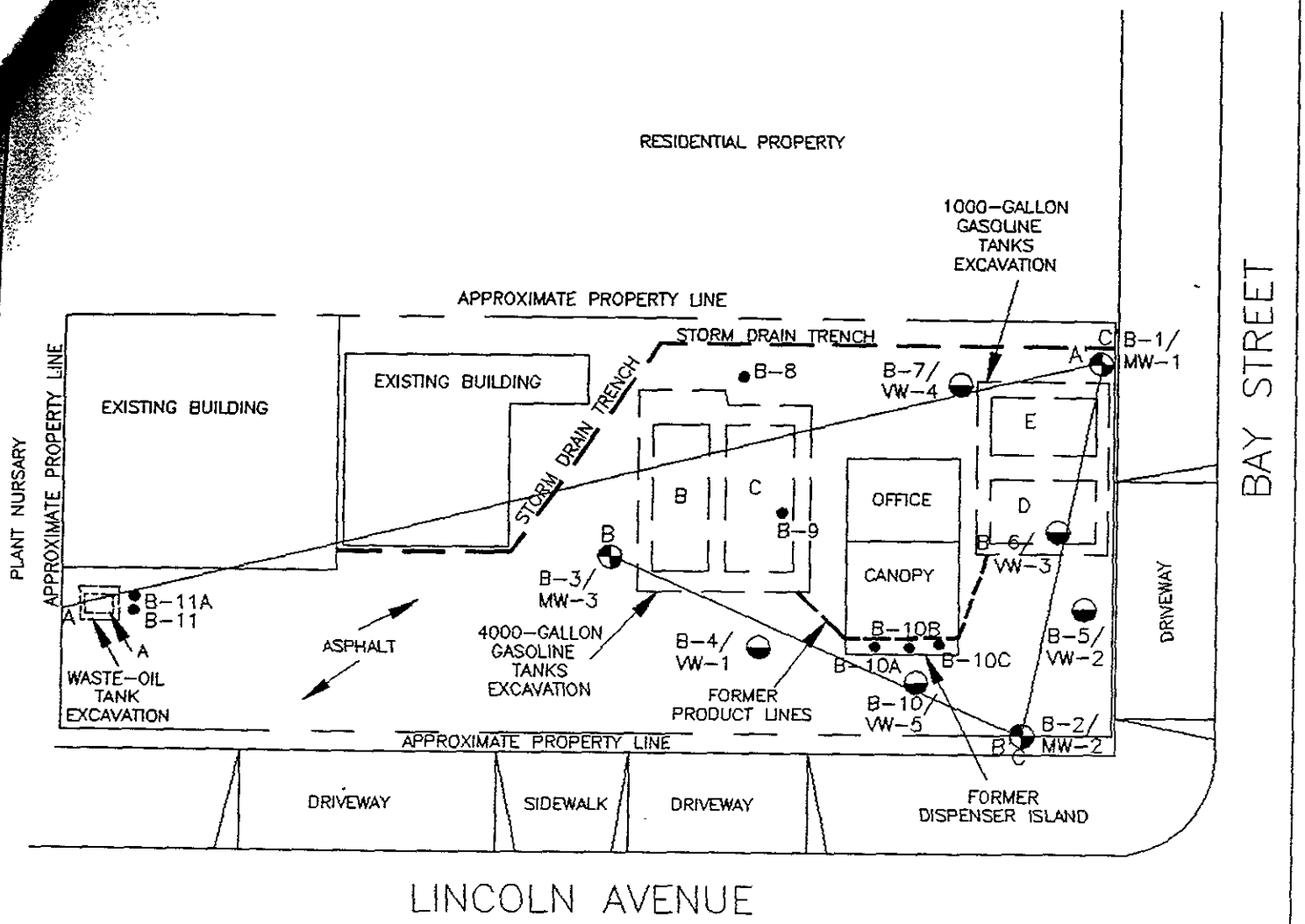
Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt (2 inches) baserock (3 inches).	
2				SM	Silty sand, fine-to medium-grained, dark brown, damp, loose.	
4	S-4	3 3 6	7.2		Color change to light brown.	
6	S-6.5	4 8 6	1.6	▽	Medium dense. Wet.	
					Total Depth = 7 feet.	
8						
10						
12						
14						
16						
18						
20						

Applied GeoSystems

PROJECT: 61006-1

LOG OF BORING B-11A

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California



EXPLANATION

B-10C ● = Soil boring (Applied GeoSystems, March and April 1991)

B-10/ VW-5 = Vapor monitoring/extraction well (Applied GeoSystems, March 1991)

B-3/ MW-3 = Ground-water monitoring well (Applied GeoSystems, March 1991)

C C' = Geologic cross sections

E = Former underground storage tank locations

Approximate Scale

20 10 0 20 40

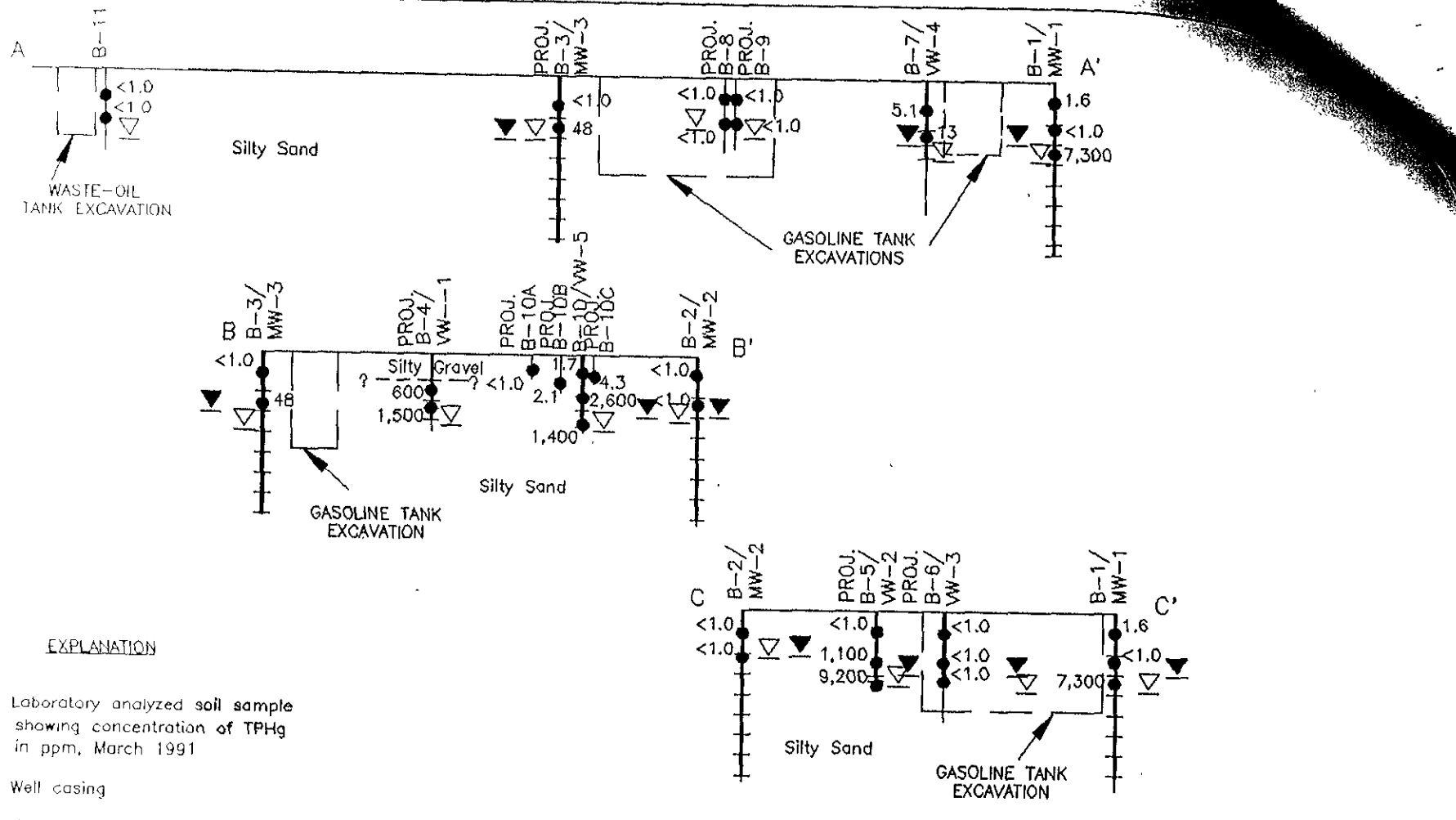
feet

Source Surveyed by Ron Archer, Civil Engineer, Inc March 1991

Applied GeoSystems

PROJECT 61006-1

GENERALIZED SITE PLAN
Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California



EXPLANATION

9,200 = Laboratory analyzed soil sample showing concentration of TPHg in ppm, March 1991

= Well casing

= Well screen

= Boring

= Initial water level in boring

= Static water level in well (4/4/91).

Approximate Horizontal and Vertical Scale

20 10 0 20 40

feet

GEOLOGIC CROSS SECTION A-A', B-B', AND C-C'
Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Applied GeoSystems

PROJECT 61006-1

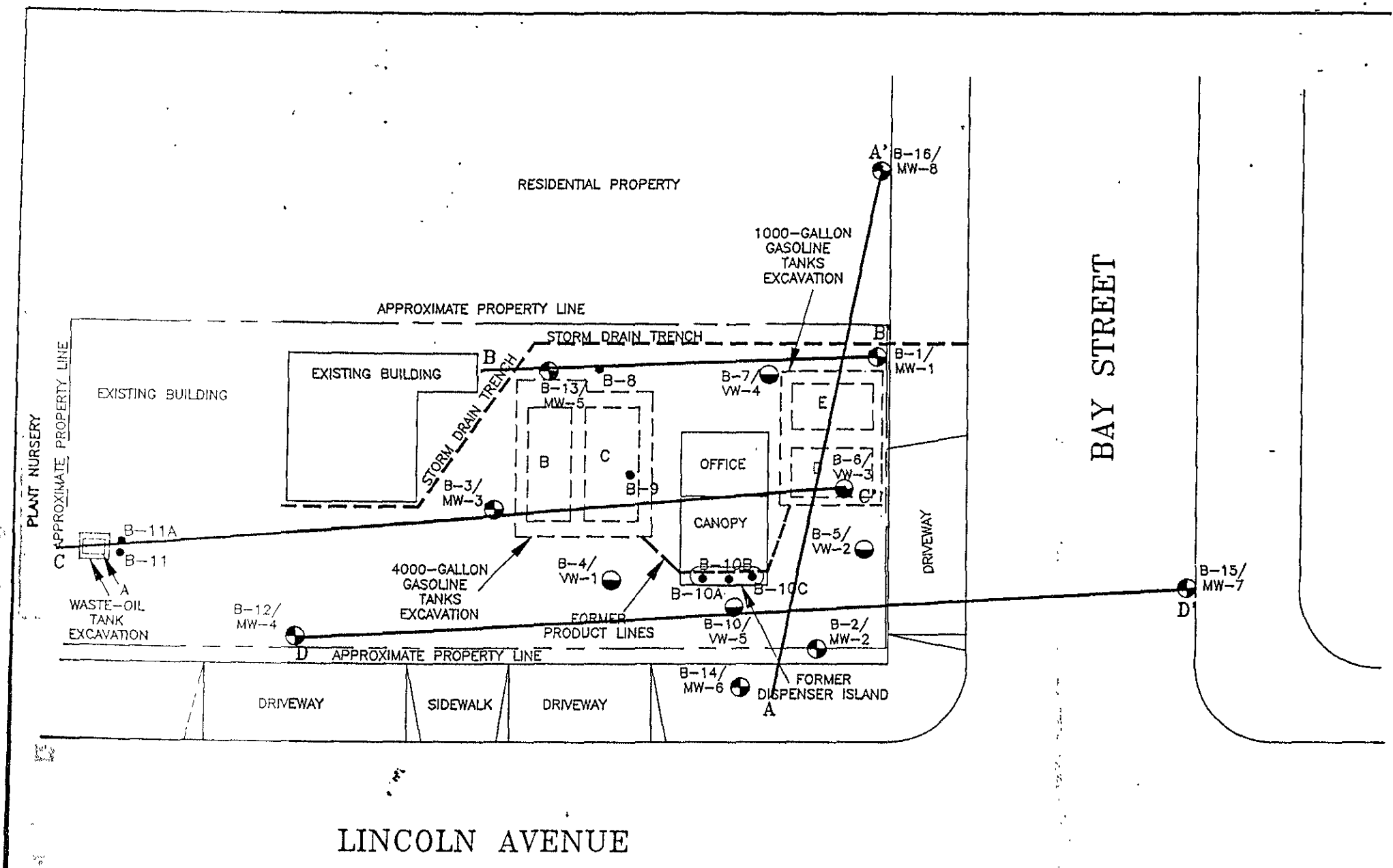

RESIDENTIAL PROPERTY
A' B-16/ MW-8
1000-GALLON GASOLINE TANKS EXCAVATION
APPROXIMATE PROPERTY LINE
STORM DRAIN TRENCH
B
B'
B-1/ MW-1
EXISTING BUILDING
B-13/ MW-5
B-8
B-7/ VW-4
E
B
C
OFFICE
B-6/ VW-3
E'
STORM DRAIN TRENCH
B-3/ MW-3
B-9
PLANT NURSERY
APPROXIMATE PROPERTY LINE
CANOPY
B-5/ VW-2
B-11A
C
B-11
4000-GALLON GASOLINE TANKS EXCAVATION
B-4/ VW-1
B-10B
B-10A
B-10C
DRIVEWAY
B-15/ MW-7
D'
A
WASTE-OIL TANK EXCAVATION
B-12/ MW-4
FORMER PRODUCT LINES
B-10/ VW-5
B-2/ MW-2
D
APPROXIMATE PROPERTY LINE
B-14/ MW-6
FORMER DISPENSER ISLAND
A
DRIVEWAY
SIDEWALK
DRIVEWAY
BAY STREET
LINCOLN AVENUE

Fig 2

TABLE 5

CUMULATIVE RESULTS OF LABORATORY ANALYSES OF SOIL SAMPLES FROM BORINGS
Former Bay Street Texaco Station
Alameda, California
(Page 2 of 2)

Sample Number	TPHg	B	T	E	X	TPHd	TOG	VOCs & Semi-VOCs
S-2½-B11	<1.0	<0.005	<0.005	<0.005	0.008	NA	NA	NA
S-5½-B11	<1.0	<0.005	<0.005	<0.005	0.007	<10	NA	NA
S-3½-B11A	NA	NA	NA	NA	NA	NA	<50	0.9*
S-6-B11A	NA	NA	NA	NA	NA	NA	<50	1.0*
S-5½-B12/MW4	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-9½-B12/MW4	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-5½-B13/MW5	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-10½-B13/MW5	21.0	0.21	0.54	1.6	7.6	NA	NA	NA
S-5½-MW6/B14	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-10-MW6/B14	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-6-MW7/B15	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-9½-MW7/B15	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-5½-B16/MW8	<1.0	<0.005	<0.005	<0.005	<0.005	NA	NA	NA
S-10½-B16/MW8	<1.0	0.051	<0.005	0.007	0.013	NA	NA	NA
S-Pile-A-D	<1.0	<0.005	<0.005	<0.005	0.010	NA	NA	NA

Sample depth measured in feet.
Results in parts per million (ppm).

NA : Not analyzed.
< : Below indicated laboratory detection limit.
TPHg : Total petroleum hydrocarbons as gasoline (analyzed by EPA Method 5030/8015).
TPHd : Total petroleum hydrocarbons as diesel (analyzed by EPA Method 3550/8015).
B : benzene, T : toluene, E : ethylbenzene, X : total xylene isomers.
BTEX : Measured by EPA Method 5030/8020.
TOG : Total oil and grease (analyzed by Standard Method 5520 E/F).
VOCs : Volatile organic compounds (analyzed by EPA Method 8010).
Semi-VOCs : Semi-volatile organic compounds (analyzed by EPA Method 8270)
(* = ND with the exception of indicated concentration of Di-N-butyl phthalate)

Sample Identification: S-6-B11A
- B11A — Boring number
- 6 — Sample depth
- S — Soil sample

MW-7 Well number used for boring identification

Depth of boring: 20 feet Diameter of boring: 10 inches Date drilled: 06/18/92

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5 to 20 feet Slot size: 0.020-inch

Drilling Company: HEW Drilling Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Kathy Thomas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt.	
				SM	Asphalt (2 inches).	
				SM	Silty sand with gravel, fine- to coarse-grained sand, fine, subrounded gravel, dark brown, damp, loose: fill.	
2					Silty sand, fine-grained, brown, damp, very loose.	
	S-3	1 2 2	0	SP-SM	Sand with silt, fine-grained, light brown, damp, loose; red-brown iron oxide stains.	
4						
	S-5.5	1 2 3	0			
6						
8					▼	
	S-9.5	5 11 13	0		Very moist, medium dense.	
10					▽ Wet.	
12						
14						
	S-15.5	2 5 10	0			
16						
18				SM	Silty sand, fine-grained, light brown, wet, medium dense.	
20					Total depth = 20 feet	

RESNA
Working to Restore Nature

LOG OF BORING B-12/MW-4

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006.04

Depth of boring: 20 feet Diameter of boring: 10 inches Date drilled: 06/17/92

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5 to 20 feet Slot size: 0.020-inch

Drilling Company: HEW Drilling Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Kathy Thomas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt.	
					Asphalt (2 inches).	
				SM	Silty sand, fine-grained, dark brown, damp, very loose.	
2						
4						
	S-5.5	4 4 2	0.4		Trace medium- and coarse-grained sand, brown, moist, loose.	
6						
					Color change to gray at 8 feet. Obvious hydrocarbon odor.	
8						
10	S-10.5	7 7 12	308		Trace fine, subrounded gravel, very moist, medium dense; obvious hydrocarbon odor.	
					Wet.	
12						
14				SP-SM	Sand with silt, fine-grained, brown, wet, medium dense.	
	S-15.5	7 7 12	5.2			
16						
18						
20					Total depth = 20 feet	

RESNA
Working to Restore Nature

LOG OF BORING B-13/MW-5

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006.04

Depth of boring: 20-1/2 feet Diameter of boring: 8 inches Date drilled: 06/19/92

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 7 to 20 feet Slot size: 0.020-inch

Drilling Company: HEW Drilling Driller: Phillip and Reggie

Method Used: Hollow-Stem Auger Field Geologist: Philip Mayberry

Signature of Registered Professional: Diane M Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
					Concrete.	
0					Concrete (6 inches).	
				SM	Silty sand, fine- to medium-grained, brown, damp, medium dense.	
2						
4						
	S-5.5	8 11 11	0			
6						
8					Color change to light brown.	
10	S-10	24 27 23	181.5	SP	Sand, fine- to medium-grained, light brown, moist, dense. Wet with gray mottling.	
12						
14						
	S-15.5	15 19 24	0		Moist to wet.	
16						
18						
	S-19.5	11 12 21	0			
20					Total depth = 20-1/2 feet	

RESNA
Working to Restore Nature

LOG OF BORING B-14/MW-6

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006.04

Depth of boring: 21 feet Diameter of boring: 8 inches Date drilled: 06/19/92

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 2 inches

Screen interval: 7 to 20 feet Slot size: 0.020-inch

Drilling Company: HEW Drilling Driller: Phillip and Reggie

Method Used: Hollow-Stem Auger Field Geologist: Philip Mayberry

Signature of Registered Professional: Dione M. Barclay

Registration No.: CEG 1366 State: CA

Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Asphalt.	
					Asphalt (6 inches).	
2				SM	Silty sand, fine- to medium-grained, dark brown, damp, medium dense.	
4				SP	Sand, fine- to medium-grained, light brown with red mottling, damp, medium dense.	
6	S-6	9 12 17	0			
8						
10	S-9.5	31 35 45	0		Color change to brown, damp, very dense. Wet at 10-1/2 feet.	
12						
14						
16	S-15.5	12 35 50	0			
18						
20	S-20	40 50 50	0		Moist	
					Total depth = 21 feet	

RESNA
Working to Restore Nature

PROJECT: 61006.04

LOG OF BORING B-15/MW-7

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

Depth of boring: 20 feet Diameter of boring: 10 inches Date drilled: 06/17/92

Well depth: 20 feet Material type: Sch 40 PVC Casing diameter: 4 inches

Screen interval: 5 to 20 feet Slot size: 0.020-inch

Drilling Company: HEW Drilling Driller: Jasper and Mike

Method Used: Hollow-Stem Auger Field Geologist: Kathy Thomas

Signature of Registered Professional: Diane M. Barclay

Registration No.: CEG 1366 State: CA

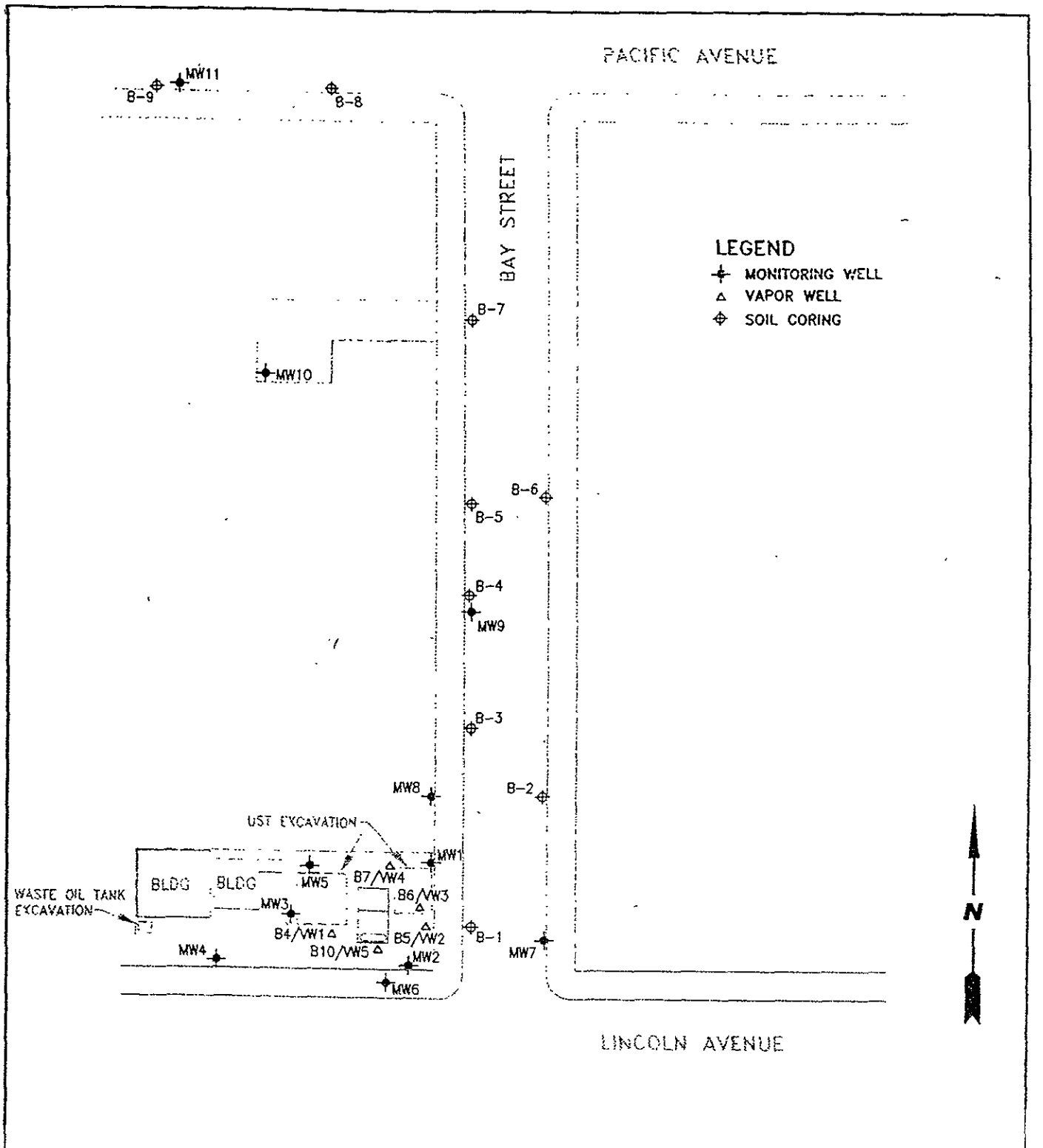
Depth	Sample No.	Blows	P.I.D.	USCS Code	Description	Well Const.
0					Concrete.	
				SP-SM	Concrete (2 inches).	
					Sand with silt, trace gravel, fine-grained sand, fine, rounded gravel, dark brown, damp, very loose; roots.	
2						
	S-3	1 1 2	0.2		No gravel, brown, moist.	
4						
	S-5.5	2 3 5	0			
6					Very moist at 6-1/4 feet, loose; reddish-brown iron oxide stains.	
	S-7	9 18 23	0	SM	Silty sand, fine-grained, brown, very moist, dense; red-brown iron oxide stains.	
8						
10	S-10.5	3 12 17	58.2		Color change to gray, medium dense; noticeable hydrocarbon odor.	
12					Wet at 13 feet.	
14						
	S-15.5	4 10 11	0			
16						
18						
20					Fine- to medium-grained sand, dense.	
					Total depth = 20 feet	

RESNA
Working to Restore Nature

LOG OF BORING B-16/MW-8

Former Bay Street Texaco Station
1127 Lincoln Avenue
Alameda, California

PROJECT: 61006.04



GROUNDWATER TECHNOLOGY

0 FEET 60
SCALE

SITE PLAN

CLIENT: TEXACO REFINING & MARKETING, INC.	FILE: SP695	PROJECT NO: 020200049	PM	RG/PE	
LOCATION: 1127 LINCOLN AVENUE ALAMEDA, CALIFORNIA	REV: 1				FIGURE: A-2
	DES: TW	DET: ML	DATE: 6/14/95		

A-2

TABLE 5

Monitoring Data and Analytical
Results of Groundwater Samples
Former Texaco Service Station
1127 Lincoln Avenue, Alameda, California
(parts per billion)

Well ID	Date	TOC Elevation (msl)	Benzene	Toluene	Ethyl benzene	Total Xylenes	TPH-g	DTW (ft)	SPT (ft)	GWE (ft)
B1	02/07/95	--	11	95	130	710	4,400	--	--	--
B2	02/07/95	--	<0.5	<0.5	<0.5	4.3	<50	--	--	--
B3	02/07/95	--	<0.5	3.2	<0.5	<0.5	<50	--	--	--
B4	02/07/95	--	<0.5	<0.5	<0.5	<0.5	<50	--	--	--
B5	02/07/95	--	<0.5	0.67	<0.5	0.64	<50	--	--	--
B6	02/07/95	--	<0.5	<0.5	<0.5	3.7	<50	--	--	--
B7	02/07/95	--	<0.5	<0.5	<0.5	0.65	<50	--	--	--
B8	02/07/95	--	<0.5	<0.5	<0.5	7.2	90	--	--	--
B9	02/07/95	--	<0.5	<0.5	<0.5	0.80	<50	--	--	--
MW-1	05/22/95	16.14	--	--	--	--	--	--	--	--
MW-2	05/22/95	16.84	--	--	--	--	--	--	--	--
MW-3	05/22/95	16.85	--	--	--	--	--	8.54	0.00	8.31
MW-4	05/22/95	17.13	--	--	--	--	--	7.66	0.00	9.47
MW-5	05/22/95	15.58	--	--	--	--	--	--	0.00	--
MW-6	05/22/95	17.05	--	--	--	--	--	8.67	0.00	8.38
MW-7	05/22/95	16.65	--	--	--	--	--	7.35	0.00	9.30
MW-8	05/22/95	15.87	--	--	--	--	--	7.81	0.00	8.06
MW-9	05/22/95	14.44	<0.5	<0.5	<0.5	<0.5	<50	5.91	0.00	8.53
MW-10	05/22/95	15.04	0.50	<0.5	<0.5	1.2	<50	5.79	0.00	9.25
MW-11	05/22/95	10.61	<0.5	<0.5	<0.5	<0.5	<50	4.10	0.00	6.51

TOC = top of casing
msl = mean sea level
TPH-g = total petroleum hydrocarbons-as-gasoline
DTW = depth to water
SPT = separate-phase hydrocarbon thickness
GWE = groundwater elevation
ft = feet

TABLE 6
Analytical Results of Soil Samples
Former Texaco Service Station
1127 Lincoln Avenue, Alameda, California
(parts per million)

Date	Sample ID	Sample Depth (ft)	Benzene	Toluene	Ethyl benzene	Total Xylenes	TPH-g
02/07/95	B1/5	5	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B1/10	10	<0.005	<0.005	<0.005	0.018	<1
02/07/95	B2/4	4	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B2/10	10	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B3/5	5	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B3/10	10	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B4/5	5	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B5/3	3	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B6/3	3	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B7/3	3	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B8/3	3	<0.005	<0.005	<0.005	<0.005	<1
02/07/95	B9/3	3	<0.005	<0.005	<0.005	<0.005	<1
05/17/95	MW-9-5	5	<0.005	<0.005	<0.005	<0.005	<1
05/17/95	MW-9-15	15	<0.005	<0.005	<0.005	<0.005	<1
05/17/95	MW-10-5	5	<0.005	<0.005	<0.005	<0.005	<1
05/17/95	MW-10-15	15	<0.005	<0.005	<0.005	<0.005	<1
05/18/95	MW-11-5	5	<0.005	<0.005	<0.005	<0.005	<1
05/18/95	MW-11-15	15	<0.005	<0.005	<0.005	<0.005	<1

ft = feet
TPH-g = Total Petroleum Hydrocarbons as gasoline

GROUNDWATER TECHNOLOGY

Drilling Log

Soil Boring B-1

Project *TES/Lincoln Ave* Owner *Texaco*
Location *1127 Lincoln Ave. Alameda* Proj. No. *020200049*
Surface Elev. _____ Total Hole Depth *12 ft.* Diameter *2" in.*
Top of Casing _____ Water Level Initial *6 ft.* Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Neat cement* Rig/Core *Geo-probe/continuous*
Drill Co. *Artesian* Method *Direct penetration technology*
Driller *John Taylor* Log By *Terry James* Date *02/07/95* Permit # *95-0003*
Checked By *Ed Simonis* License No. *RG 4422*

See Site Map For Boring Location

COMMENTS:

Start 7:44, end 9:00

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0				ASP		3" Asphalt
2				Base		Base course
4						Silty SAND (20,80): light-brown, loose, moist, slight hydrocarbon odor.
6	200	B1/5				Grades green staining, strong hydrocarbon odor.
						Encountered groundwater 8:26
8					SM	
10	3	B-1/10				Grades light-brown, no hydrocarbon odor.
12						End of Boring
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-2

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 11 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 4 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 9:21, end 10:15 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						3" Asphalt Concrete
2					SM	Silty SAND (20,80): light-brown, loose, moist, no hydrocarbon odor.
4						*Encountered groundwater 10:10*
6	3	B2/5				Grades Clayey SAND (20,80): brown, no hydrocarbon odor.
8					SC	
10	2	B-2/9				End of Boring
12						
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-3

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 12 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 5 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 10:25, end 11:35 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						3" Asphalt
						Concrete
2						Clayey fine SAND (20,80): brown-red, moist, no hydrocarbon odor.
4						Grades interbedded Clayey SAND (50,50): blue-gray, no hydrocarbon odor.
	0	B3/5				*Encountered groundwater 11:30*
6					SC	
8						
	0	B3/9				
10						
12						End of Boring
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-4

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 5 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 3 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 11:25, end 12:35 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2						
0						3" Asphalt
						Concrete
2						Clayey fine SAND (20,80): brown, moist, no hydrocarbon odor.
					SC	▽ *Encountered groundwater 11:30*
4	0	B4/5				End of Boring
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-5

Project *TES/Lincoln Ave* Owner *Texaco*
Location *1127 Lincoln Ave. Alameda* Proj. No. *020200049*
Surface Elev. _____ Total Hole Depth *5 ft.* Diameter *2" in.*
Top of Casing _____ Water Level Initial *3 ft.* Static _____
Screen: Dia _____ Length _____ Type/Size _____
Casing: Dia _____ Length _____ Type _____
Fill Material *Neat cement* Rig/Core *Geo-probe/continuous*
Drill Co. *Artesian* Method *Direct penetration technology*
Driller *John Taylor* Log By *Terry James* Date *02/07/95* Permit # *95-0003*
Checked By *Ed Simonis* License No. *RG 4422*

See Site Map For Boring Location

COMMENTS:

Start 13:35, end 14:00 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						3" Asphalt
						Concrete
2						Clayey fine SAND (20,80): brown, moist, no hydrocarbon odor.
	0	85/3			SC	▽ *Encountered groundwater 14:00*
4						End of Boring
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-6

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave, Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 5 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 3 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 14:15, end 15:00 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID / Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2					
0					3" Asphalt
					Concrete
2					Clayey fine SAND (20,80): light-brown, moist, no hydrocarbon odor.
	0	B6/3		SC	▽ Encountered groundwater 15:00
4					End of Boring
6					
8					
10					
12					
14					
16					
18					
20					
22					
24					

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-7

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 5 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 3 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 15:15, end 16:30 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						3" Asphalt
						Concrete
2						Clayey fine SAND (20,80): light-brown, moist, no hydrocarbon odor.
	0	B7/3			SC	*Encountered groundwater 16:00*
4						End of Boring
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring **B-8**

Project *TES/Lincoln Ave* Owner *Texaco*
Location *1127 Lincoln Ave. Alameda* Proj. No. *020200049*
Surface Elev. ____ Total Hole Depth *5 ft.* Diameter *2" in.*
Top of Casing ____ Water Level Initial *3 ft.* Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material *Neat cement* Rig/Core *Geo-probe/continuous*
Drill Co. *Artesian* Method *Direct penetration technology*
Driller *John Taylor* Log By *Terry James* Date *02/07/95* Permit # *95-0003*
Checked By *Ed Simonis* License No. *RG 4422*

See Site Map For Boring Location

COMMENTS:

Start 16:45, end 17:30 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0				base		3" Asphalt Base course
2	0	B7/3			SM	Silty fine SAND (20,80): light-brown, moist, no hydrocarbon odor. ▽ *Encountered groundwater 16:30*
4						End of Boring

02/27/1995 lithlog-dec.93

Drilling Log

GROUNDWATER TECHNOLOGY

Soil Boring B-9

Project TES/Lincoln Ave Owner Texaco
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 5 ft. Diameter 2" in.
Top of Casing ____ Water Level Initial 3 ft. Static ____
Screen: Dia ____ Length ____ Type/Size ____
Casing: Dia ____ Length ____ Type ____
Fill Material Neat cement Rig/Core Geo-probe/continuous
Drill Co. Artesian Method Direct penetration technology
Driller John Taylor Log By Terry James Date 02/07/95 Permit # 95-0003
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start 17:15, end 18:30 Groundwater sampled

Depth (ft.)	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
0						3" Asphalt
					base	Base course
2	0	B9/3			SM	Silty fine SAND (20,80): light-brown, moist, no hydrocarbon odor.
						Encountered groundwater 17:30
4						End of Boring
6						
8						
10						
12						
14						
16						
18						
20						
22						
24						

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well **MW-9**

Project *TES/Lincoln Ave* Owner *Texaco USA*

Location *1127 Lincoln Ave. Alameda* Proj. No. *020200049*

Surface Elev. ____ Total Hole Depth *16.5 ft.* Diameter *10 in.*

Top of Casing ____ Water Level Initial *6 ft.* Static *5.79 ft.*

Screen: Dia *4 in.* Length *11 ft.* Type/Size *0.020 in.*

Casing: Dia *4 in.* Length *3.5 ft.* Type *PVC*

Fill Material *Monterey Sand #3* Rig/Core *Simco 2400SK-1*

Drill Co. *Geo Environmental* Method *10 in. Hollows Stem Auger*

Driller *Jim Condry* Log By *Terry James* Date *5/17/95* Permit # *95282*

Checked By *Ed Simonis* License No. *RG 4422*

See Site Map For Boring Location

COMMENTS:

Start time 10:30, end time 12:30. High blowcounts resulting from Sand volume expanding into sampler.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count/ % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0					ASP		4" Asphalt
					Base		Very large cobbles.
2						SM	Silty, Clayey fine SAND (10,15,75): medium brown, soft, damp, no hydrocarbon odor.
4							Grades light brown.
				5			
6		1	MW-9-5	10 31		SM	*Groundwater after 24 hrs.* *Encountered groundwater while drilling, 5/17/95* (Grades trace red mottling, saturated.)
8							(Grades dark-brown.)
				10			
10		1	MW-9-10	27 50/6			Silty, Clayey fine SAND (10,15,75): tan, dense, wet, no hydrocarbon odor.
12						SW	
14							
				8			
16		1	MW-9-5	28 40			End of Boring
18							
20							
22							
24							

Drilling Log

GROUNDWATER TECHNOLOGY

Monitoring Well MW-10

Project TES/Lincoln Ave — Owner Texaco USA
Location 1127 Lincoln Ave, Alameda — Proj. No. 020200049
Surface Elev. ____ — Total Hole Depth 16.5 ft. — Diameter 10 in.
Top of Casing ____ — Water Level Initial 5 ft. — Static 5.59 ft.
Screen: Dia 4 in. — Length 11 ft. — Type/Size 0.020 in.
Casing: Dia 4 in. — Length 3.5 ft. — Type PVC
Fill Material Monterey Sand #3 — Rig/Core Simco 2400SK-1
Drill Co. Geo Environmental — Method 10 in. Hollows Stem Auger
Driller Jim Condry — Log By Terry James — Date 5/17/95 — Permit # 95282
Checked By Ed Simonis — License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start time 12:30, end time 15:30. Sampling interval MW-10-10, sampler driven 1 ft., with 1.5 ft. of recovery.

Depth (ft.)	Well Completion	PID (ppm)	Sample ID	Blow Count / % Recovery	Graphic Log	USCS Class.	Description (Color, Texture, Structure) Trace < 10%, Little 10% to 20%, Some 20% to 35%, And 35% to 50%
-2							
0					ASP / Base		4" Asphalt Very large cobbles.
2						SW	Clayey, Silty fine SAND (5,5,90): medium brown, soft, damp, pieces of debris (Stucco), no hydrocarbon odor.
4							Clayey SAND (30,70): tan, slightly plastic, soft, damp, no hydrocarbon odor, trace red mottling.
6		1	MW-10-5	3 5 14		SC	*Groundwater encountered while drilling, 5/17/95.* *Groundwater level after 24 hrs.*
8							
10		1	MW-10-10	22 41		SW	Clayey, Silty SAND (10,10,80): brown, saturated, trace dark mottling, no hydrocarbon odor.
12							
14							'(Grades trace sub-angular, fine Gravel.)
16		1	MW-10-15	13 26 40			End of Boring
18							
20							
22							
24							

Drilling Log

GROUNDWATER TECHNOLOGY

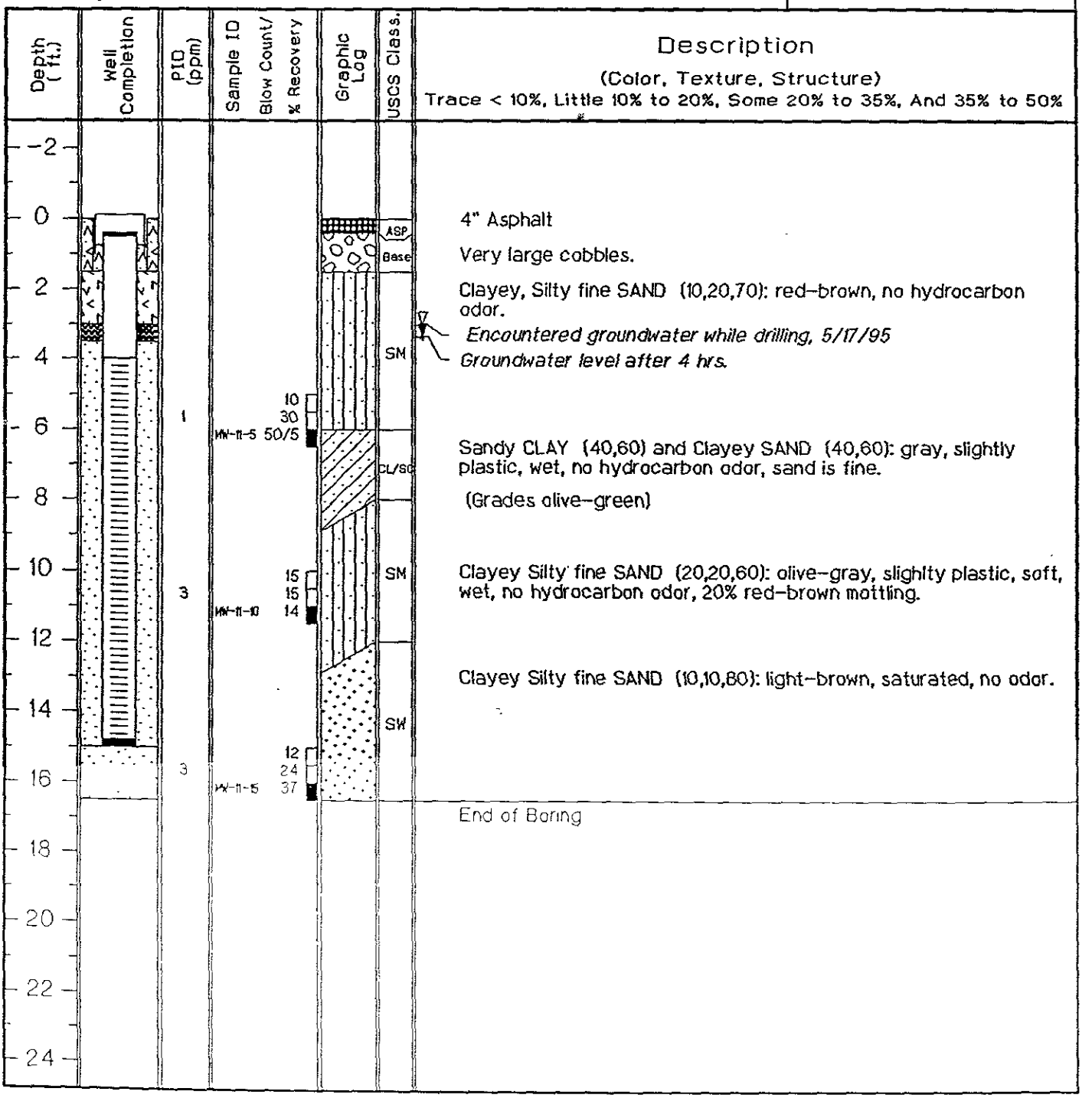
Monitoring Well MW-11

Project TES/Lincoln Ave Owner Texaco USA
Location 1127 Lincoln Ave. Alameda Proj. No. 020200049
Surface Elev. ____ Total Hole Depth 16.5 ft. Diameter 10 in.
Top of Casing ____ Water Level Initial 3 ft. Static 3.33 ft.
Screen: Dia 4 in. Length 12 ft. Type/Size 0.020 in.
Casing: Dia 4 in. Length 3 ft. Type PVC
Fill Material Monterey Sand #3 Rig/Core Simco 2400SK-1
Drill Co. Geo Environmental Method 10 in. Hollows Stem Auger
Driller Jim Condry Log By Terry James Date 5/18/95 Permit # 95282
Checked By Ed Simonis License No. RG 4422

See Site Map For Boring Location

COMMENTS:

Start time 12:00, end time 14:30.



Fourth Quarter 1992 Quarterly Report
1127 Lincoln Avenue, Alameda, California

March 26, 1993
62074.01

CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Bay Street Texaco Station
Alameda, California
(Page 1 of 2)

Well Number / Date	TPHg	B	T	E	X	TPHd*	VOCs & Semi-VOCs	DO	EG
MW-1									
03/22/91	4,500	1,300	670	180	770	1,100	ND	NA	NA
08/13/91	850	260	51	13	48	NA	NA	NA	NA
11/14/91	<30	<0.30	<0.30	<0.30	<0.30	NA	NA	NA	NA
02/19/92	440	14	14	2.1	9.9	NA	NA	4.0	<10
06/25/92	4,000	680	110	73	140	NA	NA	NA	NA
09/16/92	3,400	880	28	41	53	NA	NA	NA	NA
11/17/92	730	250	22	12	27	NA	NA	NA	NA
MW-2									
03/22/91	1,100	100	20	63	220	140	ND	NA	NA
08/13/91	1,100	270	4.7	16	49	NA	NA	NA	NA
11/14/91	870	56	8.9	21	46	NA	NA	NA	NA
02/19/92	2,100	57	5.6	9.1	75	NA	NA	3.2	NA
06/25/92	4,700	590	24	290	160	NA	NA	NA	NA
09/16/92	5,700	740	8	370	77	NA	NA	NA	NA
11/17/92	840	94	<0.5	93	14	NA	NA	NA	NA
MW-3									
03/22/91	2,500	390	27	240	780	770	ND	NA	NA
08/13/91	1,300	180	3.8	79	200	NA	NA	NA	NA
11/14/91	870	89	9	30	82	NA	NA	NA	NA
02/19/92	990	<0.5	<0.5	2.0	72	NA	NA	3.4	NA
06/25/92	4,900	350	11	330	570	NA	NA	NA	NA
09/17/92	7,300	690	10	450	780	NA	NA	NA	NA
11/17/92	1,200	160	2.1	83	160	NA	NA	NA	NA
MW-4									
06/25/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
09/17/92	98	0.6	<0.5	1.2	7.7	NA	NA	NA	NA
11/17/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
MW-5									
06/25/92	18,000	310	1,200	750	2,400	NA	NA	NA	NA
09/17/92	24,000	700	2,200	900	2,400	NA	NA	NA	NA
11/17/92	14,000	1,000	1,500	730	1,900	NA	NA	NA	NA
MW-6									
06/25/92	990	10	240	55	310	NA	NA	NA	NA
09/17/92	1,200	26	47	6.5	140	NA	NA	NA	NA
11/17/92	670	10	3.5	28	94	NA	NA	NA	NA

See notes on page 2 of 2

RESNA
Working To Restore Nature

Fourth Quarter 1992 Quarterly Report
1127 Lincoln Avenue, Alameda, California

March 26, 1993
62074.01

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CUMULATIVE RESULTS OF LABORATORY ANALYSES
OF GROUNDWATER SAMPLES
Former Bay Street Texaco Station
Alameda, California
(Page 2 of 2)

Well Number / Date	TPHg	B	T	E	X	TPHd*	VOCs & Semi-VOCs	DO	EG
MW-7									
06/25/92	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA
09/16/92	<50	1.3	<0.5	<0.5	0.9	NA	NA	NA	NA
11/17/92			NOT	SAMPLED					
MW-8									
06/25/92	11,000	1,100	29	150	190	NA	NA	NA	NA
09/16/92	14,000	3,500	47	25	85	NA	NA	NA	NA
11/17/92	4,700	1,700	12	8.0	22	NA	NA	NA	NA
MCLs	—	1.0	—	680	1,750	—	—	—	—
DWAL	—	—	100	—	—	—	—	—	—

Results in parts per billion (ppb)

TPHg : Total petroleum hydrocarbons as gasoline (analyzed by EPA Method 5030).
TPHd : Total petroleum hydrocarbons as diesel (analyzed by EPA Method 3510).
BTEX : Measured by EPA Method 602/(624).
B: benzene, T: toluene, E: ethylbenzene, X: total xylene isomers.
— : Not Applicable
MCLs : Adopted Maximum Contaminant Levels in Drinking Water, DHS (October 1990)
DWAL : Recommended Drinking Water Action Levels, DHS (October 1990)
ND : Below laboratory detection limit.
NA : Not Analyzed
* : Anametrix states: "The concentrations reported as diesel for samples W-9-MW1, W-9-MW2, and W-9-MW3 are primarily due to the presence of a lighter petroleum product, possibly gasoline."
VOCs : Volatile organic compounds (analyzed by EPA Method 624/8240).
Semi-VOCs : Semi-volatile organic compounds (analyzed by EPA Method 8270).
DO : Dissolved oxygen in parts per million (ppm).
EG : Ethylene glycol in ppm.

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MW-1	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	5.63	10.51	NA
MW-1	02/04/1993	120	NA	22	3.1	3.3	10	NA	NA	16.14	6.02	10.12	NA
MW-1	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	5.92	10.22	NA
MW-1	05/06/1993	710	NA	320	3.1	4.2	20	NA	NA	16.14	6.76	9.38	NA
MW-1	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	6.81	9.33	NA
MW-1	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	09/27/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	11/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	02/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	05/20/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	08/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	11/02/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.14	7.78	8.36	NA
MW-1	02/14/1995	350	NA	40	1.6	15	31	NA	NA	16.14	NA	NA	NA
MW-1	05/19/1995	220	NA	35	2.4	7.2	23	NA	NA	16.14	15.16	0.98	NA
MW-1	08/22/1995	330	NA	44	1.2	14	21	<10	NA	16.14	13.90	2.24	NA
MW-1	10/25/1995	<50	NA	1.6	<0.5	<0.5	<0.5	NA	NA	16.14	7.06	9.08	NA
MW-1	02/09/1996	160	NA	3.2	1.5	0.9	2.7	NA	NA	16.14	NA	NA	NA
MW-1	04/11/1996	1,300	NA	300	85	25	110	NA	NA	16.14	NA	NA	NA
MW-1	08/01/1996	3,700	NA	1,100	80	46	210	NA	NA	16.14	NA	NA	NA
MW-1	11/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	02/04/1997	NA	NA	NA	NA	NA	NA	NA	NA	16.14	NA	NA	NA
MW-1	05/02/1997	650	NA	63	<3	4.3	2.2	<30	NA	16.14	5.40	10.74	NA
MW-1	07/31/1997	440	NA	99	1.6	2.6	5.8	<30	NA	16.14	6.46	9.68	NA
MW-1										16.14	6.98	9.16	NA

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MW-1	10/30/1997	290	NA	48	0.5	0.9	1.9	<30	NA	16.14	8.00	8.14	NA
MW-1	02/04/1998	<50	NA	1.3	<0.5	<0.5	<0.5	NA	NA	16.14	3.40	12.74	NA
MW-1	05/08/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	16.14	5.09	11.05	NA
MW-1	07/21/1998	50	NA	16	<0.5	<0.5	0.7	5.6	NA	16.14	6.50	9.64	NA
MW-1	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	16.14	6.79	9.35	NA
MW-1	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	16.14	4.40	11.74	NA
MW-1	05/10/1999	<50	NA	8.2	<0.50	<0.50	<0.50	<2.5	NA	16.14	5.87	10.27	NA
MW-1	08/25/1999	558	NA	279	8.17	0.829	<5.00	12.7	NA	16.14	7.16	8.98	NA
MW-1	12/09/1999	<50.0	NA	1.10	0.800	0.801	5.44	<5.00	NA	16.14	6.94	9.20	NA
MW-1	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	16.14	3.92	12.22	NA
MW-1	04/26/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	16.14	5.66	10.48	NA
MW-1	**08/08/2000**	**<50.0**	**NA**	**12.7**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**16.14**	**6.73**	**9.41**	**NA**
MW-2	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	6.29	10.55	NA
MW-2	02/04/1993	430	NA	45	0.5	20	30	NA	NA	16.84	6.60	10.24	NA
MW-2	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	6.36	10.48	NA
MW-2	05/06/1993	2,000	NA	460	2.4	160	66	NA	NA	16.84	6.37	10.47	NA
MW-2	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	7.04	9.80	NA
MW-2	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	09/27/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	11/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	02/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	05/20/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	08/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.84	8.08	8.76	NA

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MW-2	11/02/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	02/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	05/19/1995	580	NA	75	19	5.1	30	NA	NA	16.84	11.77	5.07	NA
MW-2	08/22/1995	1,200	NA	130	8.3	84	86	<10	NA	16.84	7.22	9.62	NA
MW-2	10/25/1995	350	NA	79	1.2	55	13	NA	NA	16.84	12.11	4.73	NA
MW-2	02/09/1996	<50	NA	1.5	0.5	1.1	1.5	NA	NA	16.84	NA	NA	NA
MW-2	01/11/1996	80	NA	1.5	<0.5	<0.5	<0.5	NA	NA	16.84	11.20	5.64	NA
MW-2	08/01/1996	330	NA	42	0.6	20	8.1	NA	NA	16.84	7.00	9.84	NA
MW-2	11/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	16.84	NA	NA	NA
MW-2	02/04/1997	NA	NA	NA	NA	NA	NA	NA	NA	16.84	5.48	11.36	NA
MW-2	05/02/1997	<50	NA	1.5	<0.5	<0.5	0.5	<30	NA	16.84	6.93	9.91	NA
MW-2	07/31/1997	50	NA	1.8	<0.5	<0.5	<0.5	74	NA	16.84	9.10	7.74	NA
MW-2	10/30/1997	63	NA	3.1	<0.5	0.6	1.1	34	NA	16.84	8.33	8.51	NA
MW-2	02/04/1998	<50	NA	6.5	<0.5	1.2	<0.5	NA	NA	16.84	4.88	11.96	NA
MW-2	05/08/1998	<50	NA	0.6	<0.5	<0.5	<0.5	<2.5	NA	16.84	6.00	10.84	NA
MW-2	07/21/1998	81	NA	7.2	<0.5	1.1	1.1	6.3	NA	16.84	6.92	9.92	NA
MW-2	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	16.84	7.41	9.43	NA
MW 2	02/09/1999	257	NA	16.0	0.760	<0.500	1.07	7.36	NA	16.84	6.60	10.24	NA
MW-2	05/10/1999	91	NA	11	<0.50	5.9	1.8	2.7	NA	16.84	6.52	10.32	NA
MW-2	08/25/1999	<50.0	NA	3.75	<0.500	2.79	1.42	7.43	6.00	16.84	7.23	9.61	NA
MW-2	12/09/1999	178	NA	5.13	2.02	2.25	10.2	<5.00	NA	16.84	7.59	9.25	NA
MW-2	02/14/2000	207	NA	7.78	<0.500	1.78	<0.500	<2.50	<2.0	16.84	6.11	10.73	NA
MW-2	04/26/2000	<50.0	NA	1.82	<0.500	<0.500	<0.500	<2.50	NA	16.84	6.11	10.73	NA
MW-2	**08/08/2000**	**<50.0**	**NA**	**1.22**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**16.84**	**6.81**	**10.03**	**NA**
MW-3	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	5.82	11.04	NA
MW-3	02/04/1993	2,900	NA	180	13	210	350	NA	NA	16.86	6.01	10.85	NA

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MW-3	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	5.88	10.98	NA
MW-3	05/06/1993	2,700	NA	270	6.2	300	720	NA	NA	16.86	6.38	10.48	NA
MW-3	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	NA	NA	NA
MW-3	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	7.22	9.64	NA
MW-3	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	7.87	8.99	NA
MW-3	09/27/1993	1,800	NA	92	1.7	99	240	NA	NA	16.86	8.58	8.28	NA
MW-3	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	9.13	7.73	NA
MW-3	11/15/1993	1,900	NA	100	2.4	85	280	NA	NA	16.86	8.84	8.02	NA
MW-3	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.86	7.80	9.06	NA
MW-3	02/07/1994	1,400	NA	69	3.3	100	320	NA	NA	16.86	8.43	8.43	NA
MW-3	05/20/1994	1,100	NA	64	19	120	180	NA	NA	16.86	6.79	10.07	NA
MW-3	08/22/1994	77	NA	4.3	<0.5	2.0	5.6	NA	NA	16.86	8.32	8.54	NA
MW-3	11/02/1994	<50	NA	0.8	<0.5	<0.5	<0.5	NA	NA	16.86	10.98	5.88	NA
MW-3	02/14/1995	1,300	NA	24	5	85	360	NA	NA	16.86	7.93	8.93	NA
MW-3	05/19/1995	5,300	NA	98	28	650	1,700	NA	NA	16.86	8.44	8.42	NA
MW-3	08/22/1995	700	NA	4.1	1.1	50	72	<10	NA	16.86	7.54	9.32	NA
MW-3	10/25/1995	<50	NA	2.4	<0.5	<0.5	1.6	NA	NA	16.86	9.03	7.83	NA
MW-3	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.86	7.05	9.81	NA
MW-3	04/11/1996	2,000	NA	11.0	3.9	190	500	NA	NA	16.86	7.44	9.42	NA
MW-3	08/01/1996	1,500	NA	8.4	<0.5	160	150	NA	NA	16.86	7.08	9.78	NA
MW-3	11/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	16.86	7.84	9.02	NA
MW-3	02/04/1997	1,500	NA	12	1.3	210	330	<30	NA	16.86	5.17	11.69	NA
MW-3	05/02/1997	3,100	NA	35	<3	520	540	<30	NA	16.86	6.63	10.23	NA
MW-3	07/31/1997	1,200	NA	11	<0.5	140	100	<30	NA	16.86	7.32	9.54	NA
MW-3	10/30/1997	520	NA	6.1	<0.5	58	46	<30	NA	16.86	7.46	9.40	NA
MW-3	02/04/1998	4,800	NA	25	4.0	660	1,200	NA	NA	16.86	4.18	12.68	NA
MW-3	05/08/1998	5,600	NA	17	6.7	300	590	11	NA	16.86	5.84	11.02	NA

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MW-3	07/21/1998	1,400	NA	3.4	<1.0	110	270	<5.0	NA	16.86	6.75	10.11	NA
MW-3	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	16.86	7.61	9.25	NA
MW-3	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	16.86	6.31	10.55	NA
MW-3	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	16.86	6.25	10.61	NA
MW-3	08/25/1999	704	NA	1.75	<1.00	76.1	84.3	15.4	NA	16.86	7.32	9.54	NA
MW-3	12/09/1999	81.1	NA	2.62	1.35	0.975	8.88	<5.00	NA	16.86	7.32	9.54	NA
MW-3	02/14/2000	5,340	NA	14.0	<2.50	520	871	<12.5	<2.0	16.86	5.82	11.04	NA
MW-3	04/26/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	16.86	NA	NA	NA
MW-3	**08/08/2000**	**1,870**	**NA**	**<5.00**	**<5.00**	**237**	**210**	**<25.0**	**NA**	**16.86**	**6.63**	**10.23**	**NA**
MW-4	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	5.91	11.22	NA
MW-4	07/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	6.14	10.99	NA
MW-4	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	5.81	11.32	NA
MW-4	05/06/1993	<50	NA	1.6	<0.5	1.0	2.1	NA	NA	17.13	6.49	10.64	NA
MW-4	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	6.34	10.79	NA
MW-4	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	7.29	9.84	NA
MW-4	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	8.02	9.11	NA
MW-4	09/27/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	NA	NA	NA
MW-4	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	9.14	7.99	NA
MW-4	11/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	9.01	8.12	NA
MW-4	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.13	7.91	9.22	NA
MW-4	02/07/1994	<50	NA	<0.5	<0.5	<0.5	2.6	NA	NA	17.13	8.02	9.11	NA
MW-4	05/20/1994	82	NA	6.2	7.6	3.3	17	NA	NA	17.13	6.85	10.28	NA
MW-4	08/22/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	8.48	8.65	NA
MW-4	11/02/1994	<50	NA	<0.5	0.6	<0.5	<0.5	NA	NA	17.13	10.52	6.61	NA
MW-4	02/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	6.99	10.14	NA
MW-4	05/19/1995	66	NA	0.8	0.6	0.9	3.6	NA	NA	17.13	7.61	9.52	NA

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MW-4	08/22/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	<10	NA	17.13	7.62	9.51	NA
MW-4	10/25/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	8.62	8.51	NA
MW-4	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	6.60	10.53	NA
MW-4	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	17.13	6.54	10.59	NA
MW-4	08/01/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	7.04	10.09	NA
MW-4	11/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	17.13	7.95	9.18	NA
MW-4	02/04/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	17.13	5.24	11.89	NA
MW-4	05/02/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	17.13	6.61	10.52	NA
MW-4	07/31/1997	<50	NA	7.2	<0.5	0.7	2.0	<30	NA	17.13	7.40	9.73	NA
MW-4	10/30/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	17.13	7.52	9.61	NA
MW-4	02/04/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	17.13	4.28	12.85	NA
MW-4	05/08/1998	<100	NA	<1.0	<1.0	<1.0	<1.0	<5.0	NA	17.13	5.74	11.39	NA
MW-4	07/21/1998	<50	NA	2.0	2.2	1.2	6.3	<2.5	NA	17.13	6.75	10.38	NA
MW-4	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	17.13	7.51	9.62	NA
MW-4	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	17.13	6.45	10.68	NA
MW-4	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	17.13	6.10	11.03	NA
MW-4	08/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	17.13	7.32	9.81	NA
MW-4	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	17.13	7.17	9.96	NA
MW-4	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	17.13	5.97	11.16	NA
MW-4	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	17.13	5.77	11.36	NA
MW-4	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**17.13**	**6.64**	**10.49**	**NA**
MW-5	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	02/04/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	5.45	10.14	NA
MW-5	05/06/1993	6,200	NA	460	980	300	1,200	NA	NA	15.59	6.00	9.59	NA
MW-5	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	7.81	7.78	NA

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MW-5	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	09/27/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	11/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	02/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	05/20/1994	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	08/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	11/02/1994	5,700	NA	800	400	4.7	600	NA	NA	15.59	7.27	8.32	NA
MW-5	02/14/1995	1,300	NA	290	76	21	140	NA	NA	15.59	NA	NA	NA
MW-5	05/19/1995	600	NA	83	20	5.7	33	NA	NA	15.59	NA	NA	NA
MW-5	08/22/1995	8,100	NA	650	720	54	1,700	<50	NA	15.59	11.55	4.04	NA
MW-5	10/25/1995	1,500	NA	290	85	15	170	NA	NA	15.59	6.02	9.57	NA
MW-5	02/09/1996	1,000	NA	120	49	26	130	NA	NA	15.59	11.05	4.54	NA
MW-5	04/11/1996	210	NA	5.7	<0.5	9.2	22	NA	NA	15.59	6.70	8.89	NA
MW-5	08/01/1996	86	NA	<0.5	<0.5	<0.5	5.3	NA	NA	15.59	12.21	3.38	NA
MW-5	11/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	15.59	2.80	12.79	NA
MW-5	02/04/1997	NA	NA	NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	05/02/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.59	NA	NA	NA
MW-5	07/31/1997	110	NA	5.8	3.2	5.8	17	<30	NA	15.59	7.01	8.58	NA
MW-5	10/30/1997	50	NA	0.8	<0.5	0.5	5.2	<30	NA	15.59	6.78	8.81	NA
MW-5	02/04/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	15.59	7.69	7.90	NA
MW-5	05/08/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	07/21/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	11/19/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	02/09/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA

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MW-5	03/01/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	05/10/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	08/25/1999	Well Inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	15.59	3.50	12.09	NA
MW-5	04/26/2000	Well Inaccessible		NA	NA	NA	NA	NA	NA	15.59	NA	NA	NA
MW-5	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**15.59**	**5.89**	**9.70**	**NA**
MW-6	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	6.63	10.42	NA
MW-6	02/04/1993	2,300	NA	19	5.4	27	220	NA	NA	17.05	6.48	10.57	NA
MW-6	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	6.68	10.37	NA
MW-6	05/06/1993	540	NA	44	0.9	7.0	6.7	NA	NA	17.05	6.93	10.12	NA
MW-6	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	7.00	10.05	NA
MW-6	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	7.25	9.80	NA
MW-6	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	7.83	9.22	NA
MW-6	09/27/1993	180	NA	2.7	0.7	6.3	13	NA	NA	17.05	8.38	8.67	NA
MW-6	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	8.76	8.29	NA
MW-6	11/15/1993	180	NA	2.2	0.9	5.4	16	NA	NA	17.05	8.65	8.40	NA
MW-6	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	17.05	7.78	9.27	NA
MW-6	02/07/1994	240	NA	2.9	1.2	3.9	7.1	NA	NA	17.05	7.90	9.15	NA
MW-6	05/20/1994	600	NA	4.5	2.2	24	66	NA	NA	17.05	6.95	10.10	NA
MW-6	08/22/1994	400	NA	3.2	1.0	7.9	40	NA	NA	17.05	8.17	8.88	NA
MW-6	11/02/1994	150	NA	1.6	1.3	6.5	27	NA	NA	17.05	10.56	6.49	NA
MW-6	02/14/1995	770	NA	4.0	2.9	42	130	NA	NA	17.05	8.08	8.97	NA
MW-6	05/19/1995	2,400	NA	6.9	11	99	350	NA	NA	17.05	8.51	8.54	NA
MW-6	08/22/1995	190	NA	1.0	1.7	5.2	18	<10	NA	17.05	7.50	9.55	NA
MW-6	10/25/1995	910	NA	5.5	3.3	50	160	NA	NA	17.05	8.61	8.44	NA
MW-6	02/09/1996	4,100	NA	3.8	10	60	270	NA	NA	17.05	7.26	9.79	NA

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MW-6	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	17.05	7.41	9.64	NA
MW-6	08/01/1996	2,200	NA	5.1	2.4	160	170	NA	NA	17.05	7.10	9.95	NA
MW-6	11/11/1996	1,000	NA	3.7	1.5	38	1,100	<30	NA	17.05	8.04	9.01	NA
MW-6	02/04/1997	2,500	NA	21	3.1	180	320	<30	NA	17.05	6.10	10.95	NA
MW-6	05/02/1997	1,600	NA	33	1.6	92	180	<30	NA	17.05	7.07	9.98	NA
MW-6	07/31/1997	2,600	NA	8.8	5.8	140	280	<30	NA	17.05	7.43	9.62	NA
MW-6	10/30/1997	1,100	NA	3.5	<0.5	64	97	<30	NA	17.05	7.59	9.46	NA
MW 6	02/04/1998	400	NA	2.0	0.6	3.3	36	NA	NA	17.05	5.86	11.19	NA
MW-6	05/08/1998	2,100	NA	83	11	150	250	110	NA	17.05	5.79	11.26	NA
MW-6	07/21/1998	2,100	NA	65	7.4	180	380	110	NA	17.05	7.11	9.94	NA
MW-6	11/19/1998	120	NA	0.785	<0.5	<0.5	1.51	8.31	NA	17.05	7.49	9.56	NA
MW-6	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	17.05	7.07	9.98	NA
MW-6	05/10/1999	490	NA	21	0.80	31	62	2.6	NA	17.05	6.86	10.19	NA
MW-6	08/25/1999	977	NA	26.3	2.29	102	127	27.3	NA	17.05	7.55	9.50	NA
MW-6	12/09/1999	1,210	NA	12.3	<10.0	95.9	58.6	<100	NA	17.05	7.93	9.12	NA
MW-6	02/14/2000	2,430	NA	4.87	0.757	80.3	121	<2.50	<2.0	17.05	6.39	10.66	NA
MW-6	04/26/2000	1,740	NA	57.8	6.48	190	252	63.3	2.04a	17.05	6.71	10.34	NA
MW-6	**08/08/2000**	**487**	**NA**	**3.53**	**2.44**	**29.0**	**19.7**	**<2.50**	**NA**	**17.05**	**6.69**	**10.36**	**NA**
MW-7	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	6.53	10.12	NA
MW-7	02/04/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	6.40	10.25	NA
MW-7	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	6.52	10.13	NA
MW-7	05/06/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	6.69	9.96	NA
MW-7	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	09/27/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	7.97	8.68	NA

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MW-7	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	16.65	8.24	8.41	NA
MW-7	11/15/1993	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	8.22	8.43	NA
MW-7	12/17/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	02/07/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	05/20/1994	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	08/22/1994	130	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	7.78	8.87	NA
MW-7	11/02/1994	73	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	9.70	6.95	NA
MW-7	02/14/1995	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	05/19/1995	<50	NA	<0.5	<0.5	<0.5	2.3	NA	NA	16.65	7.33	9.32	NA
MW-7	08/22/1995	400	NA	<0.5	<0.5	<0.5	0.8	<10	NA	16.65	6.72	9.93	NA
MW-7	10/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	02/09/1996	NA	NA	NA	NA	NA	NA	NA	NA	16.65	7.06	9.59	NA
MW-7	04/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	08/01/1996	460	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	16.65	6.94	9.71	NA
MW-7	11/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	02/04/1997	NA	NA	NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	05/02/1997	150	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	16.65	6.58	10.07	NA
MW-7	07/31/1997	100	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	16.65	7.04	9.61	NA
MW-7	10/30/1997	74	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	16.65	7.02	9.63	NA
MW-7	02/04/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	05/08/1998	65	NA	<0.5	<0.5	<0.5	1.0	<2.5	NA	16.65	6.22	10.43	NA
MW-7	07/21/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	16.65	7.01	9.64	NA
MW-7	11/19/1998	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	02/09/1999	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	05/10/1999	55	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	16.65	6.82	9.83	NA
MW-7	08/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	16.65	7.54	9.11	NA
MW-7	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	16.65	7.89	8.76	NA

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MW-7	02/14/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	16.65	NA	NA	NA
MW-7	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	16.65	5.39	11.26	NA
MW-7	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**2.61**	**<1.00a**	**16.65**	**6.89**	**9.76**	**NA**
MW-8	01/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	5.30	10.57	NA
MW-8	02/04/1993	540	NA	150	3.7	5.2	10.0	NA	NA	15.87	5.62	10.25	NA
MW-8	03/09/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	5.56	10.31	NA
MW-8	05/06/1993	22,000	NA	9,400	46	390	520	NA	NA	15.87	5.99	9.88	NA
MW-8	06/15/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	6.32	9.55	NA
MW-8	07/26/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	6.75	9.12	NA
MW-8	08/31/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	7.35	8.52	NA
MW-8	09/27/1993	3,000	NA	1,700	22	30	75	NA	NA	15.87	7.86	8.01	NA
MW-8	10/19/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	8.27	7.60	NA
MW-8	11/15/1993	2,000	NA	840	8.8	15	42	NA	NA	15.87	8.17	7.70	NA
MW-8	12/17/1993	NA	NA	NA	NA	NA	NA	NA	NA	15.87	7.14	8.73	NA
MW-8	02/07/1994	1,700	NA	460	0.6	13	5.0	NA	NA	15.87	7.26	8.61	NA
MW-8	05/20/1994	110	NA	98	1.4	1.3	3.4	NA	NA	15.87	6.17	9.70	NA
MW-8	08/22/1994	51	NA	16	<0.5	<0.5	<0.5	NA	NA	15.87	7.63	8.24	NA
MW-8	11/02/1994	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	10.16	5.71	NA
MW-8	02/14/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	7.32	8.55	NA
MW-8	05/19/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	7.83	8.04	NA
MW-8	08/22/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	<10	NA	15.87	6.98	8.89	NA
MW-8	10/25/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	8.16	7.71	NA
MW-8	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	4.89	10.98	NA
MW-8	04/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	8.48	7.39	NA
MW-8	08/01/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	6.60	9.27	NA
MW-8	11/11/1996	<50	NA	1.3	<0.5	<0.5	0.67	<30	NA	15.87	7.28	8.59	NA

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MW-8	02/04/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.87	5.39	10.48	NA
MW-8	05/02/1997	<50	NA	1.6	<0.5	<0.5	<0.5	<30	NA	15.87	6.28	9.59	NA
MW-8	07/31/1997	960	NA	520	<0.5	2.3	6.4	<30	NA	15.87	6.84	9.03	NA
MW-8	10/30/1997	150	NA	51	<0.5	2.5	<0.5	<30	NA	15.87	6.66	9.21	NA
MW-8	02/04/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.87	3.76	12.11	NA
MW-8	05/08/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	5.4	NA	15.87	5.48	10.39	NA
MW-8	07/21/1998	58	NA	6.8	2.5	1.2	6.6	<2.5	NA	15.87	6.50	9.37	NA
MW-8	11/19/1998	<50	NA	1.20	<0.5	<0.5	<0.5	<2.0	NA	15.87	6.81	9.06	NA
MW-8	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	15.87	5.75	10.12	NA
MW-8	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	15.87	6.03	9.84	NA
MW-8	08/25/1999	82.5	NA	16.3	<0.500	<0.500	<0.500	<2.50	NA	15.87	7.03	8.84	NA
MW-8	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	15.87	7.10	8.77	NA
MW-8	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	15.87	4.92	10.95	NA
MW-8	04/26/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	NA	15.87	5.73	10.14	NA
MW-8	**08/08/2000**	**<50.0**	**NA**	**6.02**	**<0.500**	**<0.500**	**0.716**	**<2.50**	**NA**	**15.87**	**6.62**	**9.25**	**NA**
MW-9	08/22/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	<10	NA	14.44	6.00	8.44	NA
MW-9	10/25/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	14.44	6.71	7.73	NA
MW-9	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	14.44	4.87	9.57	NA
MW-9	04/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	14.44	5.40	9.04	NA
MW-9	08/01/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	14.44	5.69	8.75	NA
MW-9	11/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	14.44	6.44	8.00	NA
MW-9	02/04/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	14.44	4.30	10.14	NA
MW-9	05/02/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	14.44	5.34	9.10	NA
MW-9	07/31/1997	120	NA	4.3	3.0	3.2	10	<30	NA	14.44	5.97	8.47	NA
MW-9	10/30/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	14.44	6.15	8.29	NA
MW-9	02/04/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	14.44	3.30	11.14	NA

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MW-9	05/08/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	14.44	4.70	9.74	NA
MW-9	07/21/1998	75	NA	7.5	6.1	2.3	12	<2.5	NA	14.44	5.53	8.91	NA
MW-9	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	14.44	6.15	8.29	NA
MW-9	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	14.44	5.08	9.36	NA
MW-9	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	14.44	5.15	9.29	NA
MW-9	08/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	14.44	6.16	8.28	NA
MW-9	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	14.44	6.22	8.22	NA
MW-9	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	14.44	4.29	10.15	NA
MW-9	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	14.44	4.84	9.60	NA
MW-9	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**14.44**	**5.70**	**8.74**	**NA**
MW-10	08/22/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	<10	NA	15.04	6.86	8.18	NA
MW-10	10/25/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	7.91	7.13	NA
MW-10	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	4.45	10.59	NA
MW-10	04/11/1996	<50	NA	0.7	1.8	1.3	7.7	NA	NA	15.04	4.61	10.43	NA
MW-10	08/01/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	6.25	8.79	NA
MW-10	11/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	7.42	7.62	NA
MW-10	02/04/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	4.00	11.04	NA
MW-10	05/02/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	5.52	9.52	NA
MW-10	07/31/1997	85	NA	2.6	1.4	2.3	6.8	<30	NA	15.04	6.68	8.36	NA
MW-10	10/30/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	15.04	6.92	8.12	NA
MW-10	02/04/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	15.04	1.90	13.14	NA
MW-10	05/08/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	15.04	4.29	10.75	NA
MW-10	07/21/1998	87	NA	8.9	7.1	2.7	14	<2.5	NA	15.04	5.65	9.39	NA
MW-10	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	15.04	6.69	8.35	NA
MW-10	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	15.04	4.80	10.24	NA
MW-10	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	15.04	4.77	10.27	NA

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MW-10	08/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	15.04	6.44	8.60	NA
MW-10	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	15.04	5.84	9.20	NA
MW-10	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	15.04	3.47	11.57	NA
MW-10	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	15.04	4.83	10.21	NA
MW-10	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**15.04**	**5.95**	**9.09**	**NA**
MW-11	08/22/1995	<50	NA	<0.5	<0.5	<0.5	<0.5	<10	NA	10.61	5.12	5.49	NA
MW-11	10/25/1995	NA	NA	NA	NA	NA	NA	NA	NA	10.61	NA	NA	NA
MW-11	02/09/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	10.61	2.73	7.88	NA
MW-11	04/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	10.61	3.00	7.61	NA
MW-11	08/01/1996	76	NA	6.8	5.3	2.7	9.1	NA	NA	10.61	4.66	5.95	NA
MW-11	11/11/1996	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	10.61	5.85	4.76	NA
MW-11	02/04/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	10.61	2.20	8.41	NA
MW-11	05/02/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	10.61	3.95	6.66	NA
MW-11	07/31/1997	170	NA	11	4.5	6.4	19	<30	NA	10.61	5.33	5.28	NA
MW-11	10/30/1997	<50	NA	<0.5	<0.5	<0.5	<0.5	<30	NA	10.61	5.76	4.85	NA
MW-11	02/04/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	NA	NA	10.61	1.60	9.01	NA
MW-11	05/08/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.5	NA	10.61	2.66	7.95	NA
MW-11	07/21/1998	160	NA	16	12	4.6	24	<2.5	NA	10.61	3.99	6.62	NA
MW-11	11/19/1998	<50	NA	<0.5	<0.5	<0.5	<0.5	<2.0	NA	10.61	5.96	4.65	NA
MW-11	02/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.00	NA	10.61	3.27	7.34	NA
MW-11	05/10/1999	<50	NA	<0.50	<0.50	<0.50	<0.50	<2.5	NA	10.61	3.35	7.26	NA
MW-11	08/25/1999	NA	NA	NA	NA	NA	NA	NA	NA	10.61	5.14	5.47	NA
MW-11	12/09/1999	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<5.00	NA	10.61	4.42	6.19	NA
MW-11	02/14/2000	<50.0	NA	<0.500	<0.500	<0.500	<0.500	<2.50	<2.0	10.61	2.55	8.06	NA
MW-11	04/26/2000	NA	NA	NA	NA	NA	NA	NA	NA	10.61	2.99	7.62	NA
MW-11	**08/08/2000**	**<50.0**	**NA**	**<0.500**	**<0.500**	**<0.500**	**<0.500**	**<2.50**	**NA**	**10.61**	**4.60**	**6.01**	**NA**

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Abbreviations

TPPH = Total petroleum hydrocarbons as gasoline by modified EPA Method 8015

TEPH = Total petroleum hydrocarbons as diesel by modified EPA Method 8015

BTEX = benzene, toluene, ethylbenzene, xylenes

MTBE = methyl-tertiary-butyl ether by EPA Method 8020

TOC = Top of Casing Elevation

SPH = Separate-Phase Hydrocarbons

GW = Groundwater

ug/L = parts per billion

msl = Mean sea level

ft = Feet

<n = Below detection limit

NA = Not applicable

Notes

a = Analyzed outside of EPA recommended hold time.