

Woodward-Clyde

Engineering & sciences applied to the earth & its environment

April 14, 1998
961276NA

500 12TH STREET
SUITE 200
OAKLAND, CA 94607-4014
510 893-3600

Ms. Susan Hugo
Hazardous Materials Specialist
Department of Environmental Health
Alameda County Health Agency
1131 Harbor Bay Parkway, 2nd Floor
Alameda, California 94502

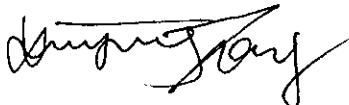
Subject: Transmittal of 1st Quarter 1998 Groundwater Monitoring Results
City of Emeryville Fire Station No. 2 UST Site

Dear Ms. Hugo:

On behalf of the City of Emeryville Redevelopment Agency, transmitted herewith is the subject site quarterly groundwater monitoring results for the first quarter 1998. This is the third monitoring event of an one-year quarterly groundwater monitoring program. The monitoring activities were performed in accordance with the Workplan (Woodward-Clyde, August 1996), which was submitted to and approved by the Alameda County Department of Environmental Health.

Please do not hesitate to call me at (510) 874-3060 or Mr. Ignacio Dayrit of the City of Emeryville Redevelopment Agency at (510) 596-4356 for questions and comments.

Sincerely,



Xinggang Tong, P.E.
Project Manager

cc: Ignacio Dayrit, City of Emeryville

April 14, 1998
961276NA

Mr. Ignacio Dayrit
City of Emeryville Redevelopment Agency
2200 Powell Street, 12th Floor
Emeryville, California 94608-1806

Subject: Quarterly Groundwater Monitoring Results for the 1st Quarter 1998
City of Emeryville Fire Station No.2 UST Site

Dear Ignacio:

Woodward-Clyde is pleased to present the first quarter 1998 groundwater monitoring results for the City of Emeryville Fire Station No. 2 UST site, which is located at 6303 Hollis Street in Emeryville, California. This is the third monitoring event of an one-year quarterly groundwater monitoring program. This groundwater monitoring program is requested by the Alameda County Department of Environmental Health (ACDEH) in a letter to the City dated May 29, 1996, and is authorized by the City in a contract to Woodward-Clyde dated July 12, 1996.

Groundwater samples were collected from the on-site monitoring well MW-1 on March 13, 1998, and were delivered to Chromalab of Pleasanton for the analysis of Total Petroleum Hydrocarbons (TPH) as gasoline (TPH-G), Benzene, Toluene, Ethyl benzene, & Xylenes (BTEX), and Methyl Tertiary Butyl Ether (MTBE). Results are summarized in Table 1. Lead was not analyzed this quarter because it was not detected in the previous two quarters. Although concentrations of all analyzed constituents were still very low this quarter, they increased significantly as compared to the previous quarterly monitoring results. This may reflect seasonal changes in groundwater contamination. Heavy rain in the winter months may have flushed out contaminants trapped in the vadose zone, and thus increased their concentrations in the groundwater. TPHg and benzene were measured at 0.76 mg/l and 66 ug/l, respectively, this quarter, as compared to 0.06 mg/l and 0.7 ug/l last quarter. Even with the increases, these concentrations are still below their respective RBCA Tier 1 threshold levels for commercial indoor land use scenario, which was addressed in the RBCA evaluation report prepared by Woodward-Clyde in May 1997 and approved by the ACDEH in a letter to the City dated November 6, 1997.

MTBE was measured at 720 ug/l this quarter as compared to 120 ug/l last quarter. Its presence in groundwater was confirmed this time by EPA Method 8260. It will be monitored next quarter again.

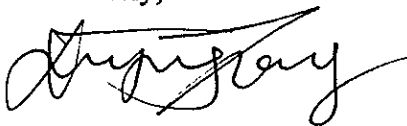


Woodward-Clyde retained Environmental Sampling Services to perform field sampling activities. Prior to purging, depth from the top of well casing to water was measured at 3.02 feet using a Solinst electronic water level meter. The well was then purged by manually bailing out 16 gallons (approximately 6 well casing volumes) of groundwater using a disposable PVC bailer. Temperature, pH, and conductivity of the purged water were monitored during the well purging. Well monitoring data sheet is included with this report. After the water level recovered to about 80% of the static water level and water parameters stabilized, a new disposable bailer was gently lowered into the well approximately half its length past the air-water interface. The bailer was retrieved and the water was promptly transferred to appropriate sample containers supplied by the laboratory. Sample containers were promptly capped, labeled, placed in an ice-cooled container, and delivered to Chromalab under chain-of-custody in the same day the samples were collected. For quality control, a trip blank was included in the container and was analyzed for TPH-G and BTEX.

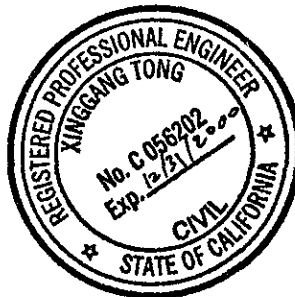
The purged water was placed in a 55-gallon DOT drum, which was labeled and left on site for future disposal. Woodward-Clyde retained PLS Surveys, Inc. of Oakland to survey the well elevation on July 10, 1997. The top of the well casing is measured at 17.02 feet mean sea level (MSL).

Please call me at (510) 874-3060 if you have questions or comments.

Sincerely,



Xinggang Tong, Ph.D., P.E.
Project Manager



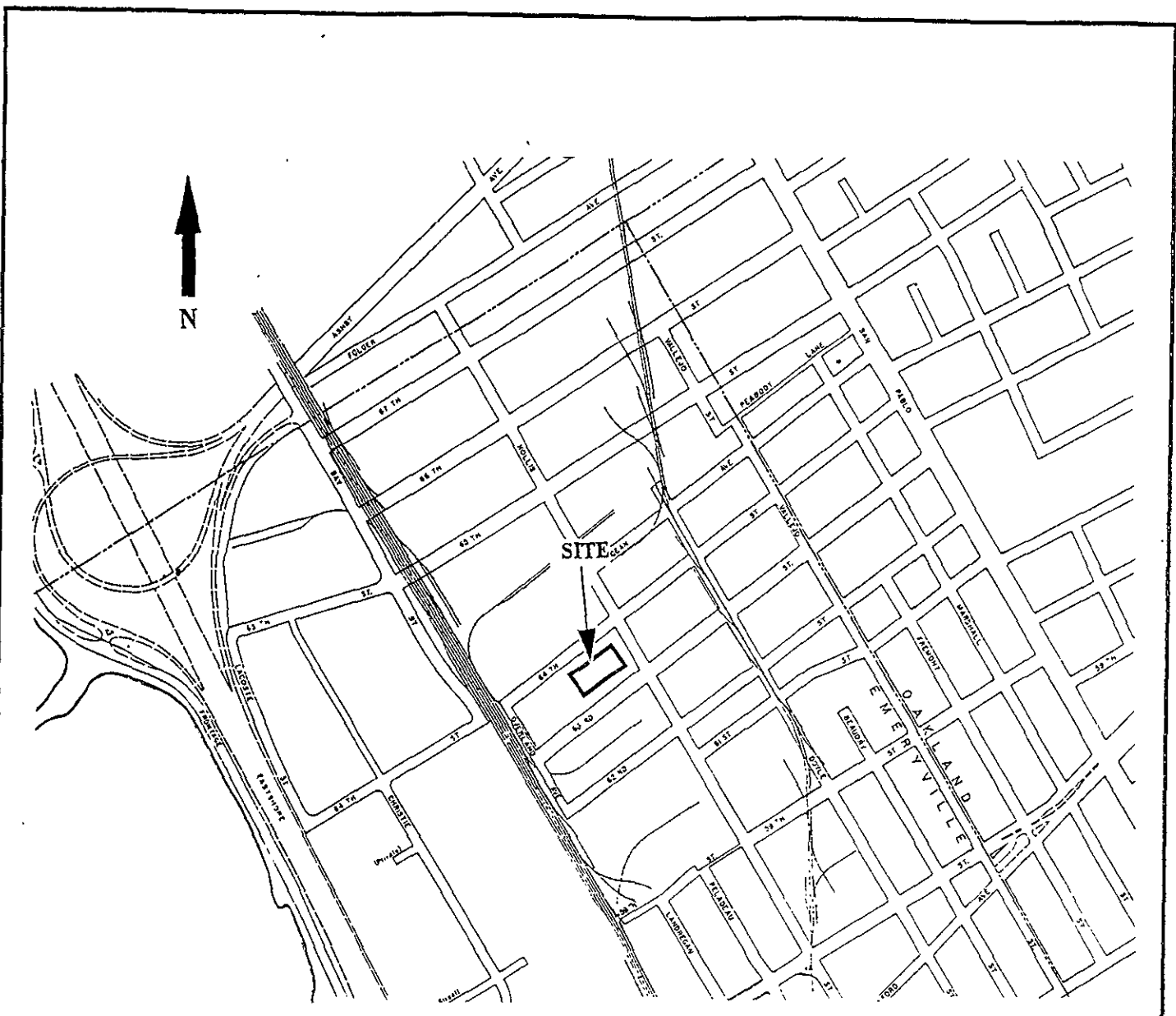
Enclosures:

- A. Table 1 - Groundwater analytical results (current and historical)
- B. Site location maps
- C. Well purging data sheet
- D. Laboratory analytical report


TABLE 1
GROUNDWATER ANALYTICAL RESULTS
CITY OF EMERYVILLE FIRE STATION NO. 2

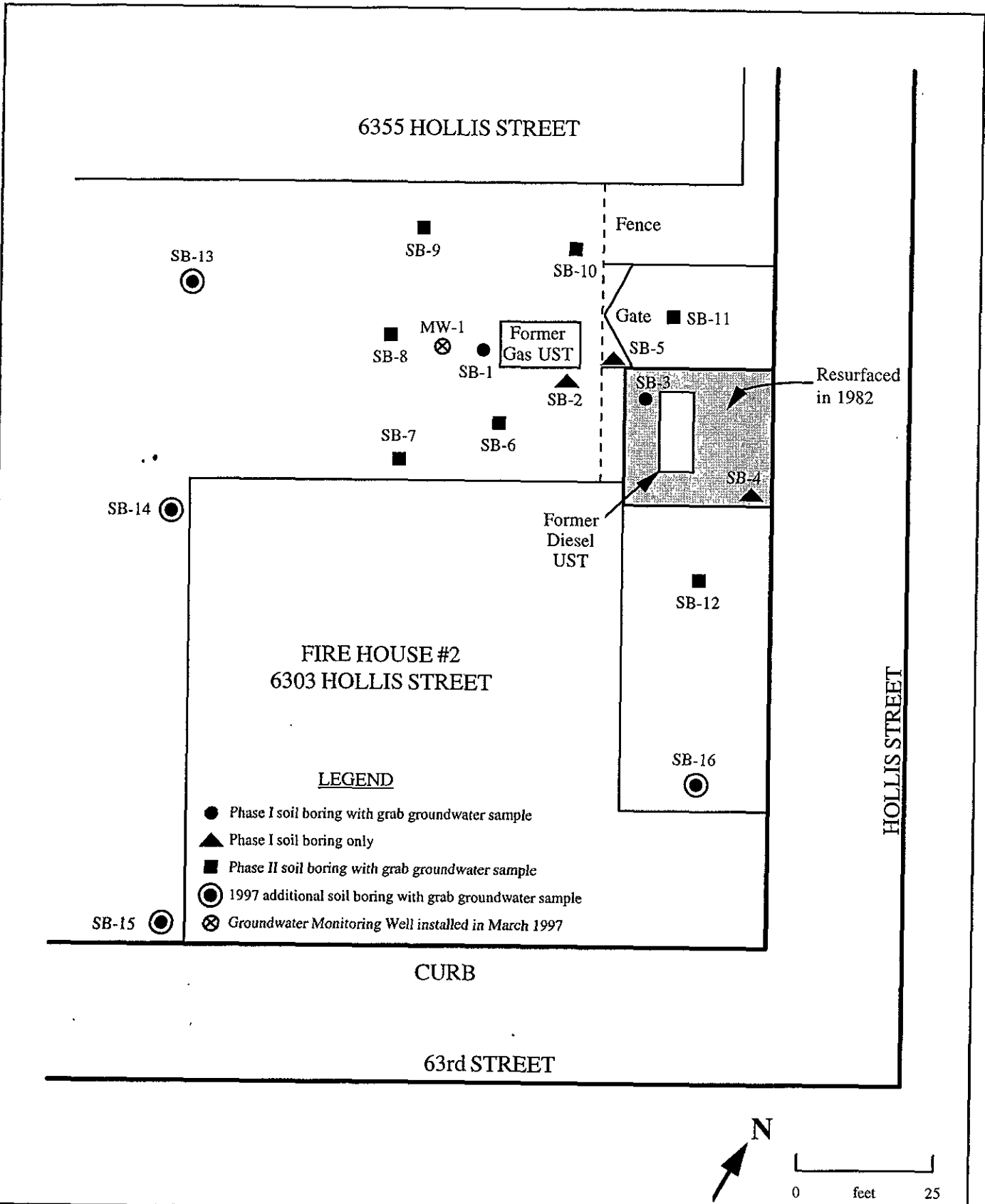
Sample No.	Date Sampled	Water level		TPH ^a Gasoline (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MTBE (ug/L)	Total Lead (ug/L)	Notes
		TOC (ft)	MSL (ft)								
MW-1	3/13/98	3.02	14.00	0.76	66	5.7	6.1	17	720	NA	1st quarter 98
Trip Blank	3/13/98			ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	NA	1st quarter 98
MW-1	12/5/97	3.02	14.00	0.06	0.7	ND (0.5)	ND (0.5)	ND (2)	120	ND (40)	4th quarter 97
Trip Blank	12/5/97			ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (5)	NA	4th quarter 97
MW-1	9/26/97	4.36	12.66	ND (0.05)	1.0	ND (0.5)	0.6	ND (2)	18	ND (40)	3rd quarter 97
Trip Blank	9/26/97			ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (2)	ND (5)	NA	3rd quarter 97
SB-3	3/15/95	NA	NA	NA	220	3,800	2,500	14,000	NA	NA	Phase I
SB-1	3/15/95	NA	NA	0.99	6.1	40	33	160	NA	NA	investigation
Trip Blank	3/15/95	NA	NA	NA	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	NA	
SB-6-W	6/17/95	NA	NA	0.41	24	27	27	110	NA	NA	Phase II
SB-7-W	6/17/95	NA	NA	5.50	36	30	180	510	NA	NA	investigation
SB-8-W	6/17/95	NA	NA	0.46	18	36	27	100	NA	NA	
SB-9-W	6/17/95	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	0.7	3.7	NA	NA	Phase II
SB-10-W	6/17/95	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	0.6	3.3	NA	NA	investigation
SB-11-W	6/17/95	NA	NA	0.23	12	8.6	12	44	NA	NA	
SB-12-W	6/17/95	NA	NA	0.97	40	130	38	170	NA	NA	Phase II
Trip Blank	6/17/95	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NA	NA	investigation
SB-13-W	3/26/97	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	NA	additional
SB-14-W	3/26/97	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	NA	investigation
SB-15-W	3/26/97	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	NA	
SB-16-W	3/26/97	NA	NA	29	430	1,200	1,000	4,700	ND (500)	NA	additional
Trip Blank	3/26/97	NA	NA	ND (0.05)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (5)	NA	investigation

Notes: ^a Total petroleum hydrocarbons by EPA Method 8015 (Mod.), quantified as gasoline.
Benzene, toluene, ethylbenzene and xylenes by EPA Method 8020.
NA - Not analyzed; ND - Not detected at or above the detection limit given in parentheses.
TOC - measured to top of well casing; MSL - mean sea level.

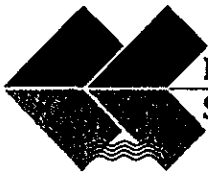


100 0 200 400 600 800 1000
SCALE IN FEET

Project No. 94166NA	CITY OF EMERYVILLE Fire Station Number 2	SITE LOCATION	Figure 1
Woodward-Clyde Consultants 			July 15, 1995



Project No. 961276NA	City of Emeryville Fire Station No. 2	LOCATION OF MONITORING WELL MW-1	Figure 2
Woodward-Clyde Consultants			



**Environmental
Sampling Services**

WATER QUALITY SAMPLE LOG SHEET WELL IDENTIFICATION: MW-1 DATE: 3/13/98

Project Name: Fire Station #2 Emeryville Client Project Number: 961276NA P 1 of 2

Well Description: 2" 3" 4" 5" 6" Other Well Type: (PVC) Stainless Steel Other: _____

Is Well Secured? (Yes) No Bolt Size 15/16" Type of lock / Lock number: None

Observations / Comments: _____

Purge Method: Teflon (Disposable Bailer) Centrifugal Pump GrundFos Redi-flow Pump Other: _____

Pump Lines: (NA) New / Cleaned / Dedicated Bailer Line: NA (New) / Cleaned / Dedicated

Method of Cleaning Pump: (NA) Alconox Liquidnox Tap Water DI Rinse Other: _____

Method of Cleaning Bailer: NA Alconox Liquidnox Tap Water (DI Rinse) Other: _____

Sampling Method: Disp. Teflon Bailer (Disp. PVC Bailer) GrundFos Redi-flow Pump Other: _____

pH Meter Serial No.: 217254 / (330089) Spec. Cond. Meter Serial No.: (96H0203AB) AE

Date/Time Calibrated: 3/13/98:11:00 4 7 10 @ 25°C Spec. Cond. Meter Calibration: (Self Test) Other: _____

Method to Measure Water Level: Solinst Serial No.: ESS#2 P.I.D. Reading: NA

Water Level at Start (DTW): 3.02 Water Level Prior To Sampling: 15.12

TD = 28.36 - 3.02 (DTW) = 19.34 (ft. of water) x "K" = 2.82 (Gals./CV) x 3 (No. of CV) = 8.5 (Gals.)

(K" = 0.163(2" well) "K" = 0.653(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "k" = 2.61(8" well)

FIELD-WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance mS (uS)	Turbidity (NTU's)	Color	Comments
3/13/98	13:45	1.0	6.55	16.7	212.5	HIGH	BRN	
	13:56	2.0	6.74	16.8	406.0	Low	Lt tan	
	13:57	3.0	6.80	16.7	496	ABD	"	
	14:00	4.0	6.82	17.1	612	"	"	
	14:01	5.0	6.79	17.4	658	"	"	
	14:03	6.0	6.84	17.6	658	"	"	
	14:06	8.0	6.94	17.8	680	"	"	
	14:09	10.0	76.97	17.9	770	HIGH	"	
	14:11	12.0 After Sampling	6.92	18.6	807	"	"	

Total Discharge: 16 gallons Casing Volumes Removed: 5.67

Method of disposal of discharged water: (55 Gallon Drum(s)) Poly Tank Other: _____

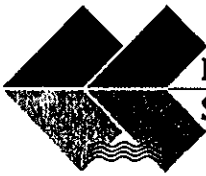
Date/Time Sampled: 3/13/98 @ 14:23 Analysis/No. of Bottles: TPHg/BTEX (3 voc's w/Her)

QA/QC: _____ @ _____ as an Equipment Blank Duplicate MS/MSD Lab Split Field Blank

Comments: _____

Sampled By: S. Penman and J. Lee Initials: [Signature]

Environmental Sampling Services
6680 Alhambra Ave. Martinez, CA 94553
Tel/Fax: (510) 372-8108



**Environmental
Sampling Services**

WELL SAMPLE LOG SHEET WELL IDENTIFICATION: MW-1 DATE: 3/13/98

Project Name: 40th St. UST Emeryville (Fire Station) Project Number: 961276NA P 2 of 2

Well Description: 3/4" 1" 2" 3" 4" 5" 6" Well Type: PVC Stainless Steel Other: _____

Is Well Secured? Yes / No Bolt Size _____ Type of lock / Lock number: _____

Observations / Comments: see page 1

Purge Method: Teflon Disposable Bailer Centrifugal Pump GrundFos Redi-flow Pump Other: _____

Pump Lines: NA New / Cleaned / Dedicated Bailer Line: NA New / Cleaned / Dedicated

Method of Cleaning Pump: NA Alconox Liquidnox Tap Water DI Rinse Other: _____

Method of Cleaning Bailer: NA Alconox Liquidnox Tap Water DI Rinse Other: _____

Sampling Method: Disp. Teflon Bailer Disp. PVC Bailer GrundFos Redi-flow Pump Other: _____

pH Meter Serial No.: 217254 / 330089 Spec. Cond. Meter Serial No.: 96H0203AB / AE

Date/Time Calibrated: _____ 4 7 10 @ 25°C Spec. Cond. Meter Calibration: Self Test Other: _____

Method to Measure Water Level: Solinst SN _____ P.I.D. Reading: _____

Water Level at Start (SWL): _____ Water Level Prior To Sampling: _____

TD = _____ - _____ (SWL) = _____ (ft. of water) x "K" = _____ (Gals./CV) x _____ (No. of CV) = _____ (Gals.)

"K" = 0.163(2" well) "K" = 0.553(4" well) "K" = 1.02(5" well) "K" = 1.46(6" well) "k" = 2.61(8" well)

FIELD WATER QUALITY PARAMETERS

Date	Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance mS uS	Turbidity (NTU's)	Color	Comments
3/13/98	14:15	14	6.96	19.0	811	HIGH	BRN	
	14:20	16	7.00	19.1	828	"	"	
						"	"	
3/13/98	14:24	16 ^{ACT}	6.96	19.0	769	"	"	

Total Discharge: 16 gallons Casing Volumes Removed: 5.67

Method of disposal of discharged water: 55 Gallon Drum(s) Poly Tank Other: _____

Date/Time Sampled: _____ @ _____ Analysis/No. of Bottles _____

QA/QC: _____ @ _____ as Equip. Blank Duplicate MS/MSD Lab Split Field Blank

Comments: see page 1

Sampled By: [Signature]

Environmental Sampling Services
6680 Alhambra Ave. Martinez, CA 94553
Tel/Fax: (510) 372-8108



CHROMALAB, INC.

Environmental Services (SDB)

April 2, 1998

Submission #: 9803195

WOODWARD-CLYDE OAKLAND

Atten: Xianggang Tong

Project: Not provided
Received: March 13, 1998

Project#: 941114NA & 961276NA

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: MW-1

Spl#: 175344

Matrix: WATER


Sampled: March 12, 1998


Run#: 11831

Analyzed: March 26, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	760	50	N.D.	108	1
MTBE	720	5.0	N.D.	79	1
BENZENE	66	0.50	N.D.	81	1
TOLUENE	5.7	0.50	N.D.	87	1
ETHYL BENZENE	6.1	0.50	N.D.	101	1
XYLENES	17	0.50	N.D.	93	1

Note: MTBE concentration out of calibration range and is an estimated value.


Vincent Vancil
Chemist


Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 1, 1998

Submission #: 9803195

WOODWARD-CLYDE OAKLAND

Atten: Xianggang Tong

Project: Not provided
Received: March 13, 1998

Project#: 941114NA & 961276NA

re: One sample for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod

Client Sample ID: TRIP BLANK

Spl#: 175346

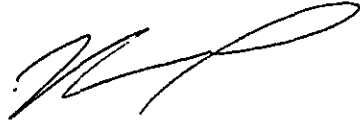
Matrix: WATER

Sampled: March 12, 1998

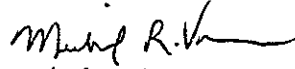
Run#: 11831

Analyzed: March 26, 1998

ANALYTE	RESULT (ug/L)	REPORTING LIMIT (ug/L)	BLANK RESULT (ug/L)	BLANK SPIKE (%)	DILUTION FACTOR
GASOLINE	N.D.	50	N.D.	108	1
MTBE	N.D.	5.0	N.D.	79	1
BENZENE	N.D.	0.50	N.D.	81	1
TOLUENE	N.D.	0.50	N.D.	87	1
ETHYL BENZENE	N.D.	0.50	N.D.	101	1
XYLENES	N.D.	0.50	N.D.	93	1



Vincent Vancil
Chemist



Michael Verona
Operations Manager

CHROMALAB, INC.

Environmental Services (SDB)

April 1, 1998

Submission #: 9803195

WOODWARD-CLYDE OAKLAND

Atten: Xianggang Tong

Project: 941114NA & 961276NA

Received: March 13, 1998

re: **Blank spike and duplicate** report for Gasoline BTEX MTBE analysis.

Method: SW846 8020A Nov 1990 / 8015Mod

Matrix: WATER

Lab Run#: 1831

Analyzed: March 26, 1998

Analyte	Spike Amount		Spike Amount Found		Spike Recov		Control % Limits RPD	% RPD Lim	
	BSP (ug/L)	Dup	BSP (ug/L)	Dup	BSP (%)	Dup (%)			
GASOLINE	500	500	542	546	108	109	75-125	0.92	20
MTBE	100	100	79.4	81.2	79.4	81.2	75-125	2.24	20
BENZENE	100	100	81.0	80.3	81.0	80.3	77-123	0.86	20
TOLUENE	100	100	87.2	87.4	87.2	87.4	78-122	0.22	20
ETHYL BENZENE	100	100	101	98.8	101	98.8	70-130	2.20	20
XYLENES	300	300	280	278	93.3	92.7	75-125	0.64	20

BS Smpl #: 177469

BSD Smpl #: 177470

1220 Quarry Lane • Pleasanton, California 94566-4756
(510) 484-1919 • Facsimile (510) 484-1096
Federal ID #68-0140157

LEV2

QC_BSD1226 VANCE 09 11.07

CHROMALAB, INC.

Environmental Services (SDB)

April 1, 1998

Submission #: 9803195

WOODWARD-CLYDE OAKLAND

Atten: Xianggang Tong

Project: 941114NA & 961276NA
Received: March 13, 1998

re: **Surrogate** report for 4 samples for Gasoline BTEX MTBE analysis.
Method: SW846 8020A Nov 1990 / 8015Mod
Lab Run#: 11831
Matrix: WATER

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
175337-1	EW-1	TRIFLUOROTOLUENE	79.7	65-135
175337-1	EW-1	4-BROMOFLUOROBENZENE	113	65-135
175340-1	LF-4	TRIFLUOROTOLUENE	91.0	65-135
175340-1	LF-4	4-BROMOFLUOROBENZENE	129	65-135
175344-1	MW-1	TRIFLUOROTOLUENE	78.4	65-135
175344-1	MW-1	4-BROMOFLUOROBENZENE	120	65-135
175346-1	TRIP BLANK	TRIFLUOROTOLUENE	76.2	65-135
175346-1	TRIP BLANK	4-BROMOFLUOROBENZENE	108	65-135

Sample#	QC Sample Type	Surrogate	% Recovered	Recovery Limits
177468-1	Reagent blank (MDB)	TRIFLUOROTOLUENE	87.8	65-135
177468-1	Reagent blank (MDB)	4-BROMOFLUOROBENZENE	104	65-135
177469-1	Spiked blank (BSP)	TRIFLUOROTOLUENE	83.1	65-135
177469-1	Spiked blank (BSP)	4-BROMOFLUOROBENZENE	130	65-135
177470-1	Spiked blank duplicate (BSD)	TRIFLUOROTOLUENE	77.2	65-135
177470-1	Spiked blank duplicate (BSD)	4-BROMOFLUOROBENZENE	126	65-135

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CHROMALAB, INC.

Environmental Services (SDB)

April 1, 1998

Submission #: 9803195

WOODWARD-CLYDE OAKLAND

Atten: Xianggang Tong

Project: 941114NA & 961276NA

Received: March 13, 1998

re: **Surrogate** report for 4 samples for Gasoline BTEX MTBE analysis.

Method: SW846 8020A Nov 1990 / 8015Mod

Lab Run#: 11837

Matrix: WATER

Sample#	Client Sample ID	Surrogate	% Recovered	Recovery Limits
175337-2	EW-1	TRIFLUOROTOLUENE	83.1	65-135
175337-2	EW-1	4-BROMOFLUOROBENZENE	104	65-135
175340-2	LF-4	TRIFLUOROTOLUENE	88.4	65-135
175340-2	LF-4	4-BROMOFLUOROBENZENE	104	65-135
175344-2	MW-1	TRIFLUOROTOLUENE	68.8	65-135
175344-2	MW-1	4-BROMOFLUOROBENZENE	95.9	65-135
175346-2	TRIP BLANK	TRIFLUOROTOLUENE	71.7	65-135
175346-2	TRIP BLANK	4-BROMOFLUOROBENZENE	98.9	65-135

Sample#	QC Sample Type	Surrogate	% Recovered	Recovery Limits
177496-1	Reagent blank (MDB)	TRIFLUOROTOLUENE	75.1	65-135
177496-1	Reagent blank (MDB)	4-BROMOFLUOROBENZENE	109	65-135
177498-1	Spiked blank (BSP)	TRIFLUOROTOLUENE	81.5	65-135
177498-1	Spiked blank (BSP)	4-BROMOFLUOROBENZENE	110	65-135
177499-1	Spiked blank duplicate (BSD)	TRIFLUOROTOLUENE	77.2	65-135
177499-1	Spiked blank duplicate (BSD)	4-BROMOFLUOROBENZENE	114	65-135
177632-1	Matrix spike (MS)	TRIFLUOROTOLUENE	91.0	65-135
177632-1	Matrix spike (MS)	4-BROMOFLUOROBENZENE	113	65-135
177633-1	Matrix spike duplicate (MSD)	TRIFLUOROTOLUENE	85.0	65-135
177633-1	Matrix spike duplicate (MSD)	4-BROMOFLUOROBENZENE	108	65-135

V132 LEV2
QCSURR1229 MV 01-Apr-98 09:08:1

07114/175331-115 240

38710

Woodward-Clyde Consultants

500 12th Street, Suite 100, Oakland, CA 94607-4014
(510) 893-3600

Chain of Custody Record

38710

PROJECT NO.
941114NA & 961276NA

SAMPLERS: (Signature)
[Signature]

DATE TIME SAMPLE NUMBER

Sample Matrix
(S)oil, (W)ater, (A)ir

ANALYSES						
EPA Method	EPA Method	EPA Method	EPA Method	TPH 998 BT-EX & MTBE	TPH diesel & motor oil	EPA 8260 PAH only

Number of Containers

REMARKS
(Sample preservation, handling procedures, etc.)

40th St. Site:

3/13/98	1245	EW-1 *	W			X	X	X		6
---------	------	--------	---	--	--	---	---	---	--	---

3/13/98	1318	LF-4 *	W			X	X			3
---------	------	--------	---	--	--	---	---	--	--	---

Fire St. No. 2 Site:

3/13/98	1423	MW-1 *	W			X				3
---------	------	--------	---	--	--	---	--	--	--	---

3/13/98	10:00	Trip Blank	W			X				2
---------	-------	------------	---	--	--	---	--	--	--	---

10-day TAT

Question/Results to Xinggang Tong (510) 874-3060

* For these three samples, if MTBE is detected, confirmed by EPA 8260

All samples properly preserved according to analysis. Wrapped w/ ziplock bags & placed in iced cooler for storage.

SUBM #: 9803195 REP: ASLEVE
CLIENT: W&C-OAK
DUE: 03/27/98
REF #: 38710

TOTAL NUMBER OF CONTAINERS | 14 | 1 ICE CHEST

RELINQUISHED BY: (Signature)
[Signature]

DATE/TIME
3/13/98 15:03

RECEIVED BY: (Signature)
[Signature]

RELINQUISHED BY: (Signature)
[Signature]

DATE/TIME

RECEIVED BY: (Signature)
[Signature]

METHOD OF SHIPMENT:
Chromalab Courier

SHIPPED BY: (Signature)
[Signature]

COURIER: (Signature)
1655277
[Signature]

RECEIVED FOR LAB BY: (Signature)
[Signature]

DATE/TIME
3/13/98 19:30

CHROMALAB, INC.

Environmental Service (SDB)

Sample Receipt Checklist

Client Name: WOODWARD-CLYDE OAKLAND

Date/Time Received: 03/13/98 | 19:30

Reference/Submis: 38710 | 9803195

Received by: B.M.

Checklist completed by: [Signature]
Signature

Reviewed by: [Signature] 3/16/98
Initials | Date

Matrix: Water Carrier name: Client - C/L B.M.

- Shipping container/cooler in good condition? Yes No Not Present
- Custody seals intact on shipping container/cooler? Yes No Not Present
- Custody seals intact on sample bottles? Yes No Not Present
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Samples in proper container/bottle? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No
- All samples received within holding time? Yes No
- Container/Temp Blank temperature in compliance? Yes No Temp: 4.9 °C
- Water - VOA vials have zero headspace? Yes No No VOA vials submitted Yes No
- Water - pH acceptable upon receipt? Adjusted? Checked by _____ chemist for VOAs

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

