Woodward-Clyde

Engineering & sciences applied to the earth & its environment

January 15, 1995

Ms. Eva Chu
Alameda County Health Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502

Subject: Continental Baking Company, 6841 Village Parkway, Dublin, CA 94568
Quarterly Groundwater Monitoring Report

Dear Ms. Chu:

In response to your letter to Mr. Fred Dannecker, Continental Baking Company (CBC), requesting quarterly groundwater monitoring reporting, this letter report is being submitted. Woodward-Clyde Consultants is providing environmental consulting services to CBC and is submitting this report on their behalf.

GROUNDWATER ELEVATION

Water level measurements were performed on October 27 and November 29, 1994 and January 3, 1995 by WCC personnel. Water levels were measured in monitoring wells MW-1, 2 and 3 with an electronic water level sounder and recorded to the nearest 0.01 foot. Table 1 summarizes the groundwater elevation variation in the three monitoring wells since the first investigation at the CBC Dublin facility in March, 1994. Figure 1 is a location map of the CBC facility. Figures 2, 3, and 4 are groundwater elevation contour maps for the last three months reported in the present quarterly report.

The reported results from the water elevation measurements are the following:

- Since October, 1994, the groundwater elevation has ranged from 328.63 to 330.07 feet above mean sea level (MSL).
- Groundwater levels have risen slightly since the last monitoring report.

Head differences between monitoring wells at the site are very small (indicative of a relatively flat water table). The general groundwater flow direction appears to shift with each measuring event. This is probably a localized variation, possibly associated with the drainage ditch that borders the north end of the site.

Woodward-Clyde Consultants • A subsidiary of Woodward-Clyde Group, Inc.
500 12th Street, Suite 100 • Oakland, California 94607-4014
510-893-3600 Fax 510-874-3268

ANALYTICAL RESULTS

Sampling activities were performed in November, 1994 by WCC personnel. A copy of the water sample logs are attached.

Prior to well development and sampling, an oil/water interface probe was used to detect the presence of an immiscible layer. No measurable immiscible layer was detected in any of the wells.

The wetted casing volume was calculated for each well and approximately 4 casing volumes were removed from each well prior to sampling. In addition to the groundwater samples collected from the three monitoring wells, one duplicate sample was collected from well MW-1 and labelled MW-4. Samples were submitted for analysis for Total Petroleum Hydrocarbons (TPH) and quantified as Diesel (TPHd, modified EPA Method 8015) and benzene, toluene, ethylbenzene, and xylene (BTEX, EPA Method 8020). Sample analyses were performed by Anametrix Laboratories, San Jose, California. Copies of the laboratory data sheets and the chain-of-custody form are attached.

A quality assurance/quality control review of the analytical data was performed by a WCC chemist. The results of the review indicated that the data are of acceptable quality.

The reported results from the November, 1994 sampling and analysis effort are summarized in Table 2, and are the following:

- TPHd was detected at concentration of 120 and 240 µg/L in samples from wells MW-1 and 2 respectively. No TPHd was detected in well MW-3.
- BTEX was not detected in any of the samples.

The reported results from this sampling and analysis effort are consistent with results reported for samples from these wells in August, 1994.

Groundwater elevation and gradient information has now been collected in 9 monitoring events at this site. Concentrations of diesel in the groundwater have been consistent and low. BTEX is not detected. We therefore request that monitoring no longer be required at this site, and that it be considered for case closure. We sincerely appreciate your assistance.

If you have any questions, please feel free to phone me at (510) 874-3138.

Sincerely,

Jo Beth Folger

Jo Beth Folger

Attachments

c: Fred Dannecker, CBC-SF
Carl Eklund, CBC-SL
Jim Hummert, WCC-SL

TABLE 1

SUMMARY OF GROUNDWATER ELEVATION
CONTINENTAL BAKING COMPANY, DUBLIN, CA

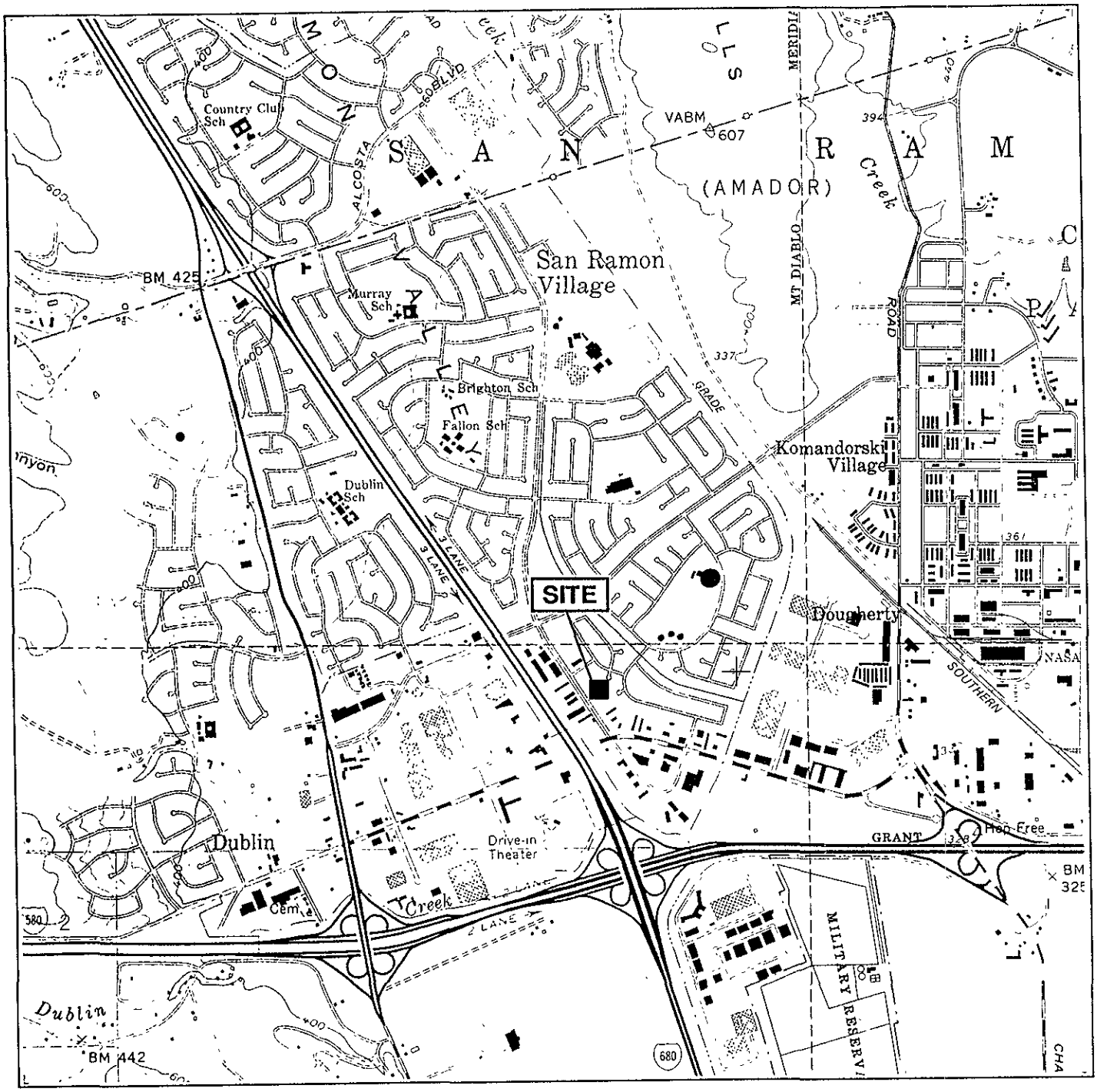
Well Identification	Date	Top of Casing Elevation (feet above MSL)	Depth to water (feet below top of casing)	Water Surface Elevation (feet above MSL)
MW-1	3/7/94	340.8	9.97	330.83
	5/27/94	340.8	10.87	329.93
	6/29/94	340.8	11.58	329.22
	7/29/94	340.8	11.62	329.18
	8/25/94	340.8	11.63	329.17
	10/4/94	340.8	12.03	328.77
	10/27/94	340.8	11.99	328.81
	11/29/94	340.8	10.75	330.05
	1/3/95	340.8	11.06	329.74
MW-2	3/7/94	340.39	9.71	330.68
	5/27/94	340.39	10.52	329.87
	6/29/94	340.39	11.19	329.20
	7/29/94	340.39	11.22	329.17
	8/25/94	340.39	11.32	329.07
	10/4/94	340.39	11.50	328.89
	10/27/94	340.39	11.76	328.63
	11/29/94	340.39	10.47	329.92
	1/3/95	340.39	10.68	329.71
MW-3	3/7/94	340.47	9.53	330.94
	5/27/94	340.47	10.43	330.04
	6/29/94	340.47	11.20	329.27
	7/29/94	340.47	11.29	329.18
	8/25/94	340.47	11.26	329.21
	10/4/94	340.47	11.55	328.92
	10/27/94	340.47	11.73	328.74
	11/29/94	340.47	10.40	330.07
	1/3/95	340.47	10.62	329.85

TABLE - 2

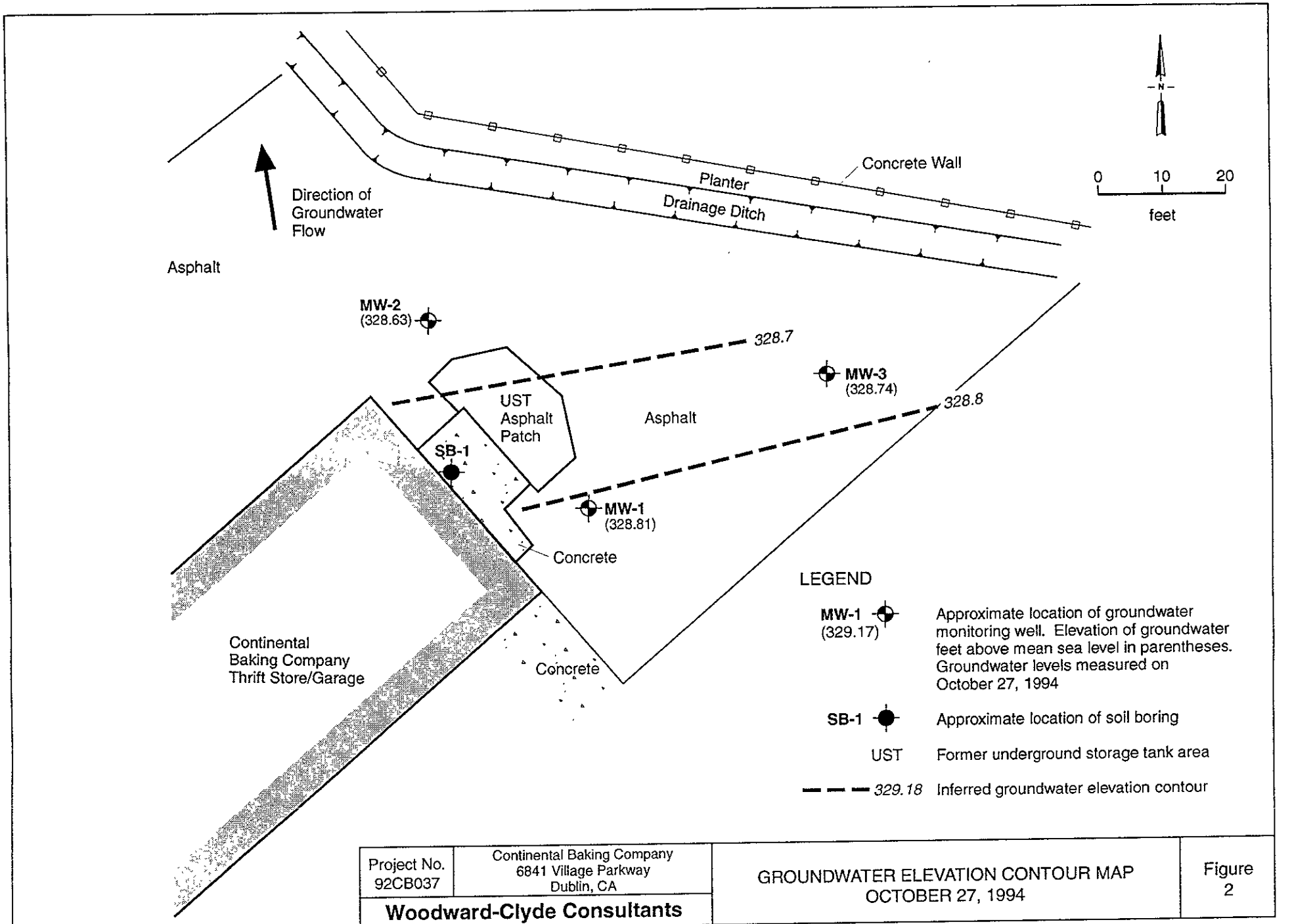
SUMMARY OF ANALYTICAL RESULTS
CONTINENTAL BAKING COMPANY, DUBLIN, CALIFORNIA

Parameters		TPH diesel	TPH BTEX			
			benzene	toluene	ethyl-benzene	tot. xylenes
EPA Method		8015	8020			
Units		(µg/L)	(µg/L)			
Well Number	Date					
MW-1	3/7/94	210/230	0.50/<0.50	0.50/<0.50	0.50/<0.50	0.50/<0.50
	5/27/94	210	<0.50	<0.50	<0.50	<0.50
	8/25/94	120	<0.50	<0.50	<0.50	<0.50
	11/29/94	110/120	<0.50/<0.50	<0.50/<0.50	<0.50/<0.50	<0.50/<0.50
MW-2	3/7/94	240	<0.50	<0.50	<0.50	<0.50
	5/27/94	240/210	0.50/<0.5	0.50/<0.5	0.50/<0.5	0.50/<0.5
	8/25/94	280	<0.50	<0.50	<0.50	<0.50
	11/29/94	240	<0.50	<0.50	<0.50	<0.50
MW-3	3/7/94	<50	<0.50	<0.50	<0.50	<0.50
	5/27/94	<50	0.56	<0.50	<0.50	1.56
	8/25/94	<50/<50	<0.50/<0.50	<0.50/<0.50	<0.50/<0.50	<0.50/<0.50
	11/29/94	<50	<0.50	<0.50	<0.50	<0.50

Results of duplicate sample analyses are shown by a dash ("/")

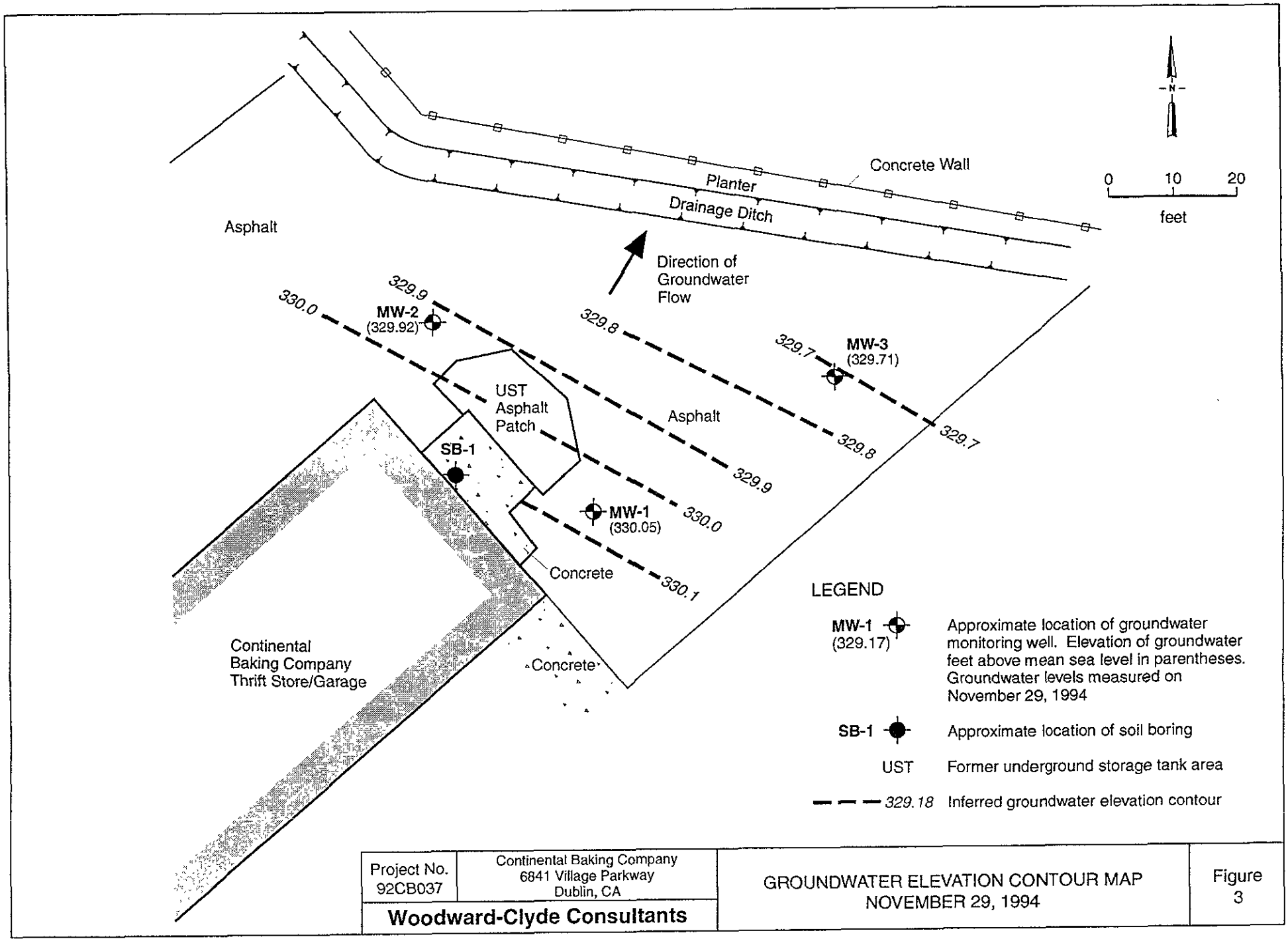


Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, California	SITE LOCATION	Figure 1
Woodward-Clyde Consultants			



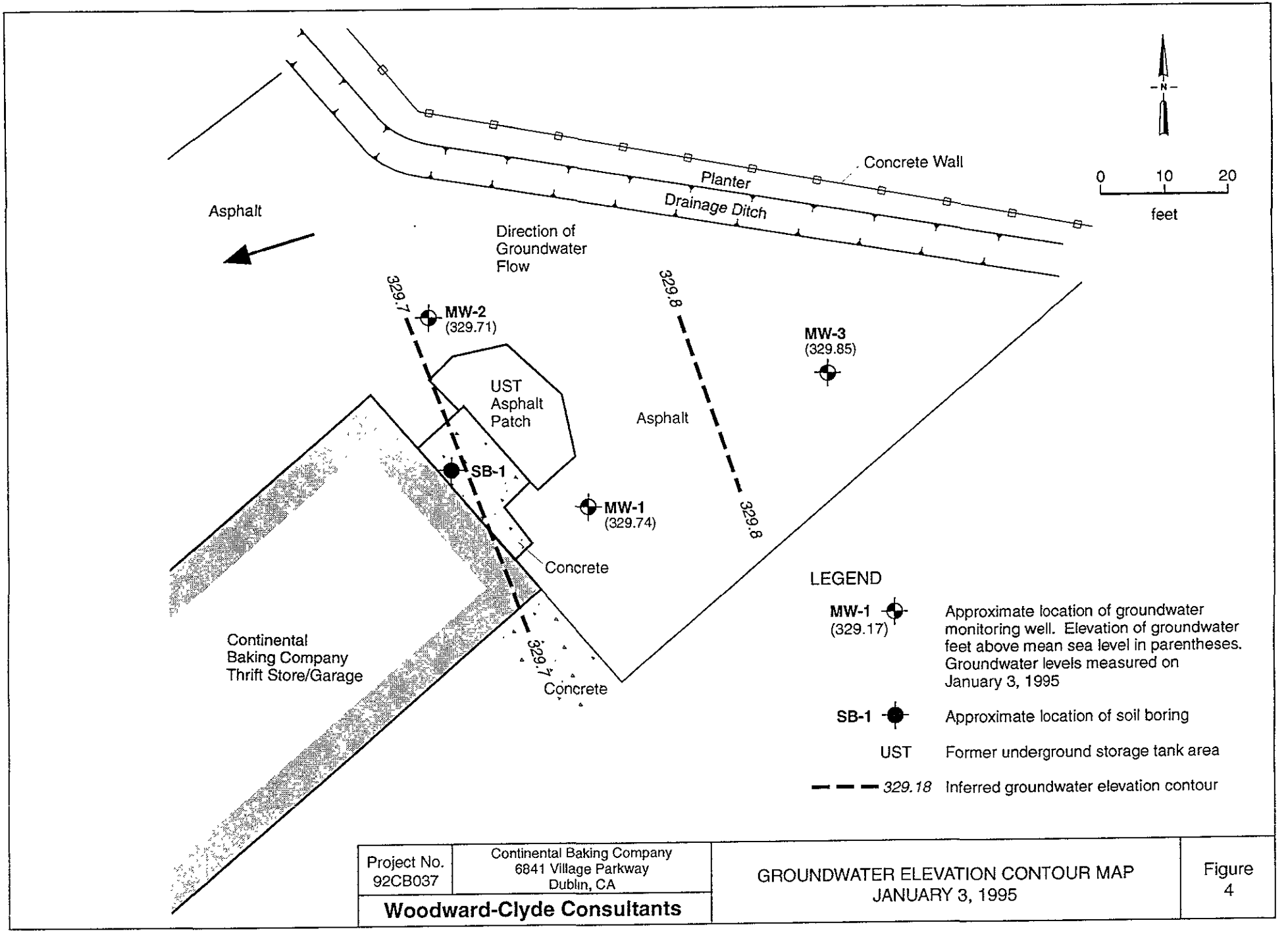
Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, CA	GROUNDWATER ELEVATION CONTOUR MAP OCTOBER 27, 1994	Figure 2
Woodward-Clyde Consultants			

92CB037-0037/011095/gos



Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, CA	GROUNDWATER ELEVATION CONTOUR MAP NOVEMBER 29, 1994	Figure 3
Woodward-Clyde Consultants			

92CB037-0037/011095/gos



Project No. 92CB037	Continental Baking Company 6841 Village Parkway Dublin, CA	GROUNDWATER ELEVATION CONTOUR MAP JANUARY 3, 1995	Figure 4
Woodward-Clyde Consultants			

92CB037-0037/011095/gos

Sample No.

WATER SAMPLE LOG

Sample No. MW-1

Project No.: 92CB037 Date: 11-29-94

Project Name: CBC - Dublin

Sample Location: MW-1

Well Description: 4" sch. 40 PVC w/ locking cap

Weather Conditions: overcast, cool

Observations / Comments: 9/16" wrench and dolphin key to access

Quality Assurance

Sampling Method: Disposable PVC bailer

Method to Measure Water Level: 200' Solinst

Pump Lines: (New) / Cleaned Bailer Lines: (New) / Cleaned

Method of cleaning Pump / Bailer: N/A

pH Meter No.: 217255 Calibrated 7.00/10.01

Specific Conductance Meter No.: 13749 Calibrated red-lined

Comments: 17.79 - 10.75 = 7.04 × .653 = 4.6 × 4 = 18.4

Sampling Measurements

Water Level (below MP) at Start: 10.75 End: 10.91

Measuring Point (MP): North rim, top of casing

Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (µmhos / cm)	Turbidity	Color	Odor	Comments
10:48	3	6.98	21	8100	—	CLR	ND	
10:49	6	6.91	21	8100	"	"	"	dry @ 8 gal.
11:03	9	7.11	21	8400	"	"	"	
11:04	12	7.07	21	8100	"	"	"	dry @ 14.5
11:17	15	7.09	21	8400	"	"	"	
11:18	19	7.06	21	8200	"	"	"	dry @ 19.5
11:37	A.S.	7.15	20	8000	"	CLR	ND	

Total Discharge: 19 gallons Casing Volumes Removed: 4.13

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: @ 11:30 3 VOA's (BTEX), and 2-1L. ambers (TPH-diesel) Duplicate taken, labeled MW-4 @ 11:15

Collected by: Jon Haus

Woodward-Clyde Consultants
500 12th Street, Suite 100, Oakland, CA 94607-4014
(415) 893-3600

Sample No.

WATER SAMPLE LOG

Sample No. MW-2

Project No.: 92CB037 Date: 11/29/94

Project Name: CBC-Dublin

Sample Location: MW-2

Well Description: 4" sch. 40 PVC w/locking cap

Weather Conditions: overcast

Observations / Comments: 9/16" wrench and dolphin key to access

Quality Assurance

Sampling Method: Disposable PVC bailer

Method to Measure Water Level: 200' Solinst

Pump Lines: (New) / Cleaned Bailer Lines: (New) / Cleaned

Method of cleaning Pump / Bailer: N/A

pH Meter No.: 217255 Calibrated 7.00/10.01

Specific Conductance Meter No.: 13749 Calibrated red-lined

Comments: 17.67-10.47=7.20 x.653=4.7x4=18.8

Sampling Measurements

Water Level (below MP) at Start: 10.47 End: 10.50

Measuring Point (MP): N Northrim, top of casing

Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (µmhos / cm)	Turbidity	Color	Odor	Comments
10:43	3	7.04	20.5	8800	-	CLR	Slight H_2S	
10:44	6	7.00	21	9800	"	"	"	dry @ 7
10:58	9	7.07	21	9600	"	"	"	
10:59	12	7.07	21	8800	"	"	"	dry @ 13.5
11:13	15	7.06	21	9400	"	"	"	
11:14	19	7.08	21	9200	"	"	"	dry @ 19
11:49	A.S.	7.10	20	9000	"	CLR	"	

Total Discharge: 19 gallons Casing Volumes Removed: 4.04

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: @ 11:45

Collected by: J. HAUS

Woodward-Clyde Consultants
500 12th Street, Suite 100, Oakland, CA 94607-4014
(415) 893-3600

Sample No.

WATER SAMPLE LOG

Sample No. MW-3

Project No.: 92CB037 Date: 11/29/94

Project Name: CBC-Dublin

Sample Location: MW-3

Well Description: 4" sch. 40 PVC w/ locking cap

Weather Conditions: overcast

Observations / Comments: 7/16" wrench and dolphinkey to access

Quality Assurance

Sampling Method: ~~Bailer~~ Disposable PVC bailer

Method to Measure Water Level: 200' Solinst

Pump Lines: (New) / Cleaned Bailer Lines: (New) / Cleaned

Method of cleaning Pump / Bailer: N/A

pH Meter No: 217255 Calibrated 7.00/10.01

Specific Conductance Meter No.: 13749 Calibrated red-lined

Comments: 17.72-10.40=7.32 x.653=4.8 x4 = 19.2

Sampling Measurements

Water Level (below MP) at Start: 10.40 End: 10.40

Measuring Point (MP): Top of casing, north rim

Time	Discharge (gallons)	pH	Temp. (°C)	Specific Conductance (µmhos / cm)	Turbidity	Color	Odor	Comments
10:37	3	7.16	21	9000	—	CLR	ND	
10:38	6	7.13	21	9500	—	"	"	dry @ 7
10:54	9	7.14	21	10000	—	"	"	
10:55	12	7.12	21	10000	—	"	"	dry @ 14
11:07	16	7.18	21	9200	—	"	"	
11:08	19.5	7.17	21	9600	—	"	"	dry @ 20
12:15	A.S.	7.23	21	9600	-	"	"	

Total Discharge: 19.5 gallons Casing Volumes Removed: 4.06

Method of disposal of discharged water: 55 gallon drum

Number and size of sample containers filled: @ 12:00

Collected by: J. HAUS

Woodward-Clyde Consultants
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(415) 893-3600

Inchcape Testing Services
Anametrix Laboratories

1961 Concourse Drive
Suite E
San Jose, CA 95131
Tel: 408-432-8192
Fax: 408-432-8198

MS. JOBETH FOLGER
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4041

Workorder # : 9411287
Date Received : 11/30/94
Project ID : 92CB037/0010
Purchase Order: N/A

The following samples were received at Anametrix for analysis :

ANAMETRIX ID	CLIENT SAMPLE ID
9411287- 1	MW-4
9411287- 2	MW-1
9411287- 3	MW-2
9411287- 4	MW-3

This report is organized in sections according to the specific Anametrix laboratory group which performed the analysis(es) and generated the data.

The results contained within this report relate to only the sample(s) tested. Additionally, these data should be considered in their entirety and Anametrix cannot be responsible for the detachment, separation, or otherwise partial use of this report.

Anametrix is certified by the California Department of Health Services (DHS) to perform environmental testing under Certificate Number 1234.

If you have any further questions or comments on this report, please call your project manager as soon as possible. Thank you for using Inchcape Testing Services.

Todd Seringer for
Susan Kraska Yeager
Laboratory Director

12-9-94
Date

Christina V Rayburn
Project Manager

This report consists of 10 pages.

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MS. JOBETH FOLGER
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4041

Workorder # : 9411287
Date Received : 11/30/94
Project ID : 92CB037/0010
Purchase Order: N/A
Department : GC
Sub-Department: TPH

SAMPLE INFORMATION:

ANAMETRIX SAMPLE ID	CLIENT SAMPLE ID	MATRIX	DATE SAMPLED	METHOD
9411287- 1	MW-4	WATER	11/29/94	BTEX
9411287- 2	MW-1	WATER	11/29/94	BTEX
9411287- 3	MW-2	WATER	11/29/94	BTEX
9411287- 4	MW-3	WATER	11/29/94	BTEX
9411287- 1	MW-4	WATER	11/29/94	TPHd
9411287- 2	MW-1	WATER	11/29/94	TPHd
9411287- 3	MW-2	WATER	11/29/94	TPHd
9411287- 4	MW-3	WATER	11/29/94	TPHd

REPORT SUMMARY
ANAMETRIX, INC. (408)432-8192

MS. JOBETH FOLGER
WOODWARD-CLYDE CONSULTANTS
500 12TH STREET, SUITE 100
OAKLAND, CA 94607-4041

Workorder # : 9411287
Date Received : 11/30/94
Project ID : 92CB037/0010
Purchase Order: N/A
Department : GC
Sub-Department: TPH

QA/QC SUMMARY :

- All holding times have been met for the analyses reported in this workorder.

Cheryl Balmer 12/7/94
Department Supervisor Date

Teresa Shor 12/7/94
Chemist Date

[redacted]

Organic Analysis Data Sheet

Total Petroleum Hydrocarbons as Gasoline with BTEX

ITS - Anametrix Laboratories - (408)432-8192

Lab Workorder : 9411287

Matrix : WATER

Client Project ID : 92CB037/0010

Units : ug/L

MW-1 dup

Compound Name	Method Reporting Limit*	Client ID MW-4 Lab ID 9411287-01	Client ID MW-1 Lab ID 9411287-02	Client ID MW-2 Lab ID 9411287-03	Client ID MW-3 Lab ID 9411287-04	Client ID Lab ID METHOD BLANK
Benzene	0.50	ND	ND	ND	ND	ND
Toluene	0.50	ND	ND	ND	ND	ND
Ethylbenzene	0.50	ND	ND	ND	ND	ND
Total Xylenes	0.50	ND	ND	ND	ND	ND
TPH as Gasoline	50	-	-	-	-	-
Surrogate Recovery		100%	100%	103%	102%	105%
Instrument ID		HP12	HP12	HP12	HP12	HP12
Date Sampled		11/29/94	11/29/94	11/29/94	11/29/94	N/A
Date Analyzed		12/02/94	12/02/94	12/02/94	12/02/94	12/02/94
RLMF		1	1	1	1	1
Filename Reference		FPN28701.D	FPN28702.D	FPN28703.D	FPN28704.D	BD0201E1.D

* The Method Reporting Limit must be multiplied by the Reporting Limit Multiplication Factor (RLMF) to achieve the compound's reporting limit in the analysis.

ND : Not detected at or above the reporting limit for the analysis as performed.
TPHg : Determined by GC/FID following sample purge & trap by EPA Method 5030.
BTEX : Determined by modified EPA Method 8020 following sample purge & trap by EPA Method 5030.

Lab Control Limits for surrogate compound p-Bromofluorobenzene are 61-139%.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

Teresa Shaw 12/7/94
Analyst Date

Cheryl Bulmer 12/7/94
Supervisor Date

Issued on 12/05/94 @ 12:23 PM

Matrix Spike Report

Total Petroleum Hydrocarbons as BTEX

ITS - Anametrix Laboratories - (408)432-8192

Project ID : 92CB037/0010
Sample ID : MW-4
Matrix : WATER
Date Sampled : 11/29/94

Laboratory ID : 9411287-01
Analyst : IS
Supervisor : CJ
Instrument ID : HP12
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	SAMPLE RESULTS	MS RECOVERY	MSD RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS
Benzene	10	ND	100%	100%	45-139	0%	30
Toluene	10	ND	100%	100%	51-138	0%	30
Ethylbenzene	10	ND	100%	100%	48-146	0%	30
Total Xylenes	10	ND	110%	110%	50-139	0%	30
Surrogate Recovery		100%	102%	102%			
Date Analyzed		12/02/94	12/02/94	12/02/94			
Multiplier		1	1	1			
Filename Reference		FPN28701.D	FMN28701.D	FDN28701.D			

* Limits established by Inchcape Testing Services, Anametrix Laboratories.

Laboratory Control Spike Report
Total Petroleum Hydrocarbons as BTEX
ITS - Anametrix Laboratories - (408)432-8192

Instrument ID : HP12
Matrix : LIQUID

Analyst : TS
Supervisor : G
Units : ug/L

COMPOUND NAME	SPIKE AMOUNT	LCS RECOVERY	RECOVERY LIMITS
Benzene	10	110%	52-133
Toluene	10	100%	57-136
Ethylbenzene	10	100%	56-139
Total Xylenes	10	100%	56-141
Surrogate Recovery		101%	61-139
Date Analyzed		12/02/94	
Multiplier		1	
Filename Reference		MD0201E1.D	

* Limits established by Inchcape Testing Services, Anametrix Laboratories.

ANALYSIS DATA SHEET - TOTAL PETROLEUM HYDROCARBONS AS DIESEL
ANAMETRIX, INC. (408) 432-8192

Anametrix W.O.: 9411287
Matrix : WATER
Date Sampled : 11/29/94
Date Extracted: 12/01/94

Project Number : 92CB037/0010
Date Released : 12/07/94
Instrument I.D.: HP23

Anametrix I.D.	Client I.D.	Date Analyzed	Reporting Limit (ug/L)	Amount Found (ug/L)	Surrogate %Rec
9411287-01	MW-4 MW-4 dup	12/02/94	50	120	83%
9411287-02	MW-1	12/02/94	50	110	83%
9411287-03	MW-2	12/02/94	50	240	83%
9411287-04	MW-3	12/02/94	50	ND	97%
BD0111F1	METHOD BLANK	12/02/94	50	ND	68%

Note : Reporting limit is obtained by multiplying the dilution factor times 50 ug/L.
The surrogate recovery limits for o-terphenyl are 47-114%.

ND - Not detected at or above the practical quantitation limit for the method.

TPHd - Total Petroleum Hydrocarbons as C10-C28 is determined by GCFID following sample extraction by EPA Method 3510.

All testing procedures follow California Department of Health Services (Cal-DHS) approved methods.

R Patel 12/09/94
Analyst Date

Cheryl Beckman 12/12/94
Supervisor Date

TOTAL EXTRACTABLE HYDROCARBON LABORATORY CONTROL SAMPLE REPORT
EPA METHOD 3510 WITH GC/FID
ANAMETRIX, INC. (408) 432-8192

Sample I.D. : LAB CONTROL SAMPLE
Matrix : WATER
Date Sampled : N/A
Date Extracted: 12/01/94
Date Analyzed : 12/02/94

Anametrix I.D. : MD0111F1
Analyst : AP
Supervisor : cs
Date Released : 12/07/94
Instrument I.D.: HP23

COMPOUND	SPIKE AMT (ug/L)	LCS REC (ug/L)	% REC LCS	LCSD REC (ug/L)	% REC LCSD	RPD	% REC LIMITS
DIESEL	1250	740	59%	830	66%	11%	38-96
SURROGATE			68%		61%		47-114

* Quality control limits established by Anametrix, Inc.

Inchcape Testing Services
Anametrix Laboratories

SAMPLE RECEIVING CHECKLIST

WORKORDER NUMBER: 9411287 CLIENT PROJECT ID: 92CB037/0010

COOLER

Shipping slip (airbill, etc.) present?	YES	NO	(N/A)
If YES, enter carrier name and airbill # :			
Custody Seal on the outside of cooler?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Temperature of sample (s) within range?	(YES)	NO	N/A
List temperature of cooler (s): 6°C			

SAMPLES

Chain of custody seal present for each container?	YES	NO	(N/A)
Condition: INTACT ____ BROKEN ____			
Samples arrived within holding time?	(YES)	NO	N/A
Samples in proper containers for methods requested?	(YES)	NO	
Condition of containers: INTACT ✓ BROKEN ____			
If NO, were samples transferred to proper container? ____			
Were VOA containers received with zero headspace?	(YES)	NO	N/A
If NO, was it noted on the chain of custody? ____			
Were container labels complete? (ID, date, time preservative, etc.)	(YES)	NO	
Were samples preserved with the proper preservative?	(YES)	NO	N/A
If NO, was the proper preservative added at time of receipt? ____			
pH check of samples required at time of receipt?	YES	(NO)	
If YES, pH checked and recorded by: ____			
Sufficient amount of sample received for methods requested?	(YES)	NO	
If NO, has the client or lab project manager been notified? ____			
Field blanks received with sample batch? # of Sets. ____	YES	NO	(N/A)
Trip blanks received with sample batch? # of Sets: ____	YES	NO	(N/A)

CHAIN OF CUSTODY

Chain of custody received with samples?	(YES)	NO
Has it been filled out completely and in ink?	(YES)	NO
Sample ID's on chain of custody agree with container labels?	(YES)	NO
Number of containers indicated on chain of custody agree with number received?	(YES)	NO
Analysis methods clearly specified?	(YES)	NO
Sampling date and time indicated?	(YES)	NO
Proper signatures of sampler, courier, sample custodian in appropriate place? with time and date?	(YES)	NO
Turnaround time? REGULAR ✓ RUSH ____		

Any NO response and/or any "BROKEN" that was checked must be detailed in the Corrective Action Form.

Sample Custodian: [illegible] Date. 11/30/94 Project Manager: DVR Date: 12/01/94

#4583 9411287 (18) (10116)

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

Chain of Custody Record

PROJECT NO. 92CB0374/0010

SAMPLERS: (Signature) Jon Hawes

	DATE	TIME	SAMPLE NUMBER	Sample Matrix (S)oil, (W)ater, (A)ir	EPA Method	EPA Method	EPA Method	EPA Method	ANALYSES: BTEX	ANALYSES: TPH(d)					Number of Containers	REMARKS (Sample preservation, handling procedures, etc.)
1	11/29/94	11:15	MW-4	W					3	2					5	
2	"	11:30	MW-1	W					3	2					5	
3	"	11:45	MW-2	W					3	2					5	
4	11/29/94	12:00	MW-3	W					3	2					5	

Water reacted with HCl in VOA's, causing slight effervescence.

Standard T.A.T.

Results to:
Jo Beth Folger

TOTAL NUMBER OF CONTAINERS: 20

RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)	RELINQUISHED BY (Signature)	DATE/TIME	RECEIVED BY (Signature)
Jon Hawes	11/30/94 0700	Sammy L. Lewis	Sammy L. Lewis	11/30/94 1350	

METHOD OF SHIPMENT	SHIPPED BY (Signature)	COURIER (Signature)	RECEIVED FOR LAB BY (Signature)	DATE/TIME
			Brenda Falcon	11/30/94 1350