



# LEVINE-FRICKE

CONSULTING ENGINEERS AND HYDROGEOLOGISTS

June 15, 1988

LF 1245

Mr. Ariu Levi  
Division of Hazardous Materials  
Department of Environmental Health  
Alameda County Health Agency  
470 27th Street, Rm. 322  
Oakland, California 94612

Subject: Enclosed Report on Removal of Petroleum-Affected Soils  
at 2051 Sherman Road in Alameda, California

Dear Mr. Levi:

Enclosed please find the subject report detailing field activities, on-site soils aeration and laboratory analyses results.

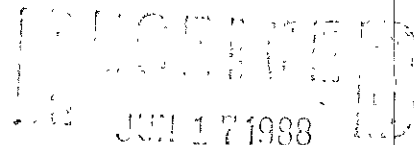
In addition to removing petroleum-affected soils associated with previous underground tank leakage, one shallow ground-water monitoring well was installed in the clean backfill of the excavation. Results of ground-water sampling and analysis are included in the report.

This report is being forwarded to you for your review. If you have any questions or require additional information, please contact me or Tom Graf at your earliest convenience.

Sincerely,

Elizabeth Nixon  
Staff Geotechnical Engineer

Enclosure



HAZARDOUS WASTE CS/  
WASTE PROGRAM

1900 Powell Street, 12th Floor  
Emeryville, California 94608  
(415) 652-4500

Other offices in NEWPORT BEACH and OAKLAND, CA

**APPENDIX A**  
**LABORATORY CERTIFICATES**



**ANATEC**  
LABORATORIES  
INC.

435 Tesconi Circle  
Santa Rosa, CA 95401  
707-526-7200  
Fax 707-526-9623

Elizabeth Nixon  
Levine-Fricke  
629 Oakland Avenue  
Oakland, CA 94611-4567

March 14, 1988  
ANATEC Log No: 2474 (1-10)  
Series No: 430/019  
Client Ref: Proj 1245

**Subject:** ASAP Priority Analysis of One Water and Eight Soil Samples (one sample "Product 3/3", placed "on-hold") Identified as "Alameda Village, Project 1245" Received March 3, 1988.

TRANSMITTAL OF RESULTS

Results (mg/Kg)<sup>a</sup>

<u>Descriptor and Lab No.</u>	<u>EPH<sup>b</sup>, as Diesel</u>	<u>VPH<sup>c</sup>, as Gasoline</u>	<u>Benzene</u>	<u>Toluene</u>	<u>Xylenes</u>
AS-1 Soil to be Aerated 3/3 (6074)	3,900	220	3.2	15	25
AS-2 Soil to be Aerated 3/3 (6075)	580	31	1.3	1.4	3.1
AS-3 Soil to be Aerated 3/3 (6076)	3,100	150	<0.005	<0.005	12
AS-4 Clean Soil 3/3 (6077)	<10	<10	<0.005	0.061	<0.015
RCS-1 East of Storm Drain 7' 3/3 (6078)	<10	<10	<0.005	<0.005	<0.015
RCS-2 3/3 (6079)	<10	96 <sup>d</sup>	<0.005	<0.005	6.7
RCS-3 South Wall 5-6' 3/3 (6080)	120 <sup>e</sup>	<10	<0.005	0.024	0.015
RCS-4 West Wall 5-6' 3/3 (6081)	<10	<10	<0.005	<0.005	<0.015
RCW-1 Water from Excavation (6082)	75 <sup>f</sup>	13 <sup>f</sup>	0.13 <sup>f</sup>	0.33 <sup>f</sup>	0.72 <sup>f</sup>

<sup>a</sup>mg/Kg--Data are expressed as milligrams analyte per kilogram sample, as-received basis, unless noted otherwise.

<sup>b</sup>EPH--Extractable petroleum hydrocarbons.

<sup>c</sup>VPH--Volatile petroleum hydrocarbons.

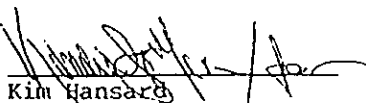
<sup>d</sup>Hydrocarbon mixture in this sample is not gasoline but a somewhat higher-boiling mixture; see attached chromatography

<sup>e</sup>As motor oil.

<sup>f</sup>mg/L--Data are expressed in units of milligrams analyte per liter sample.


Please feel welcome to contact us should you have questions regarding procedures or results.

Submitted by:

  
Kim Hansard

Project Chemist

Approved by:



Greg Anderson, Director  
Analytical Laboratories

/ml

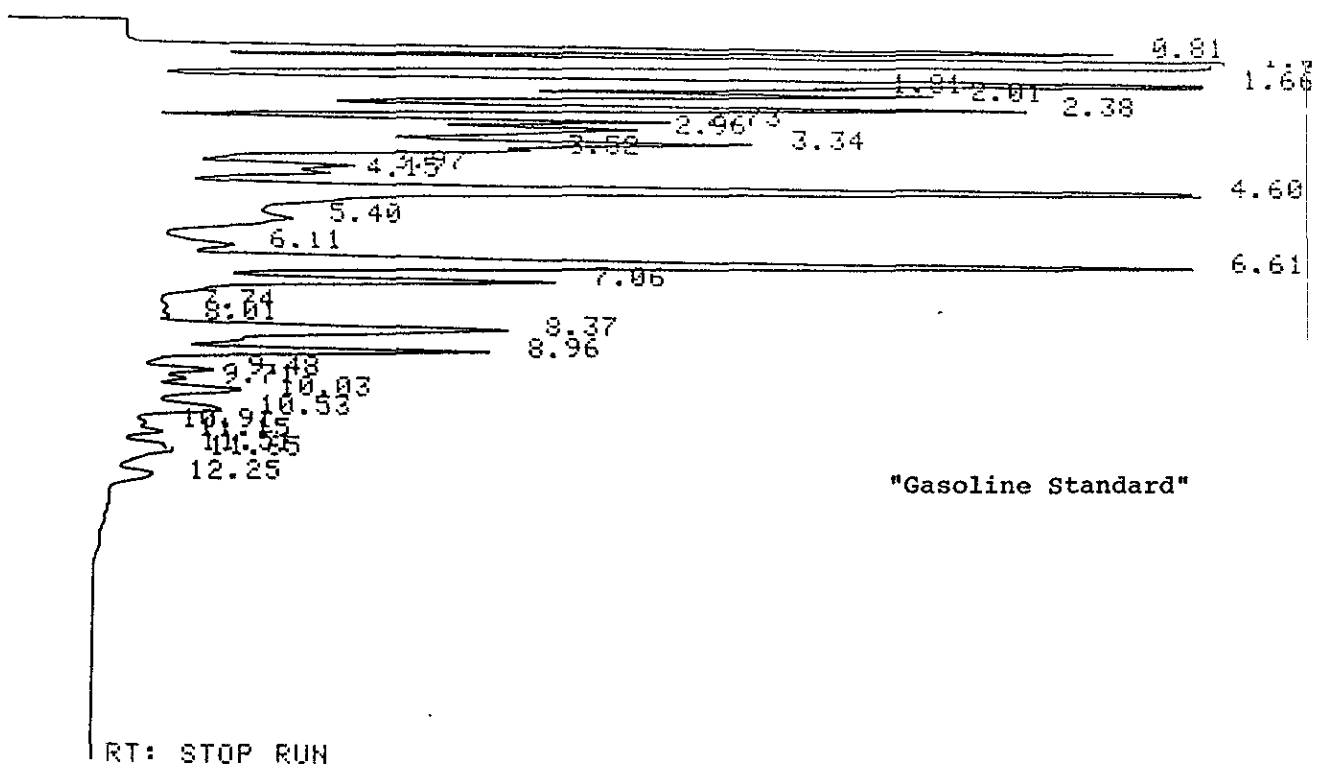
Enc: Sample Custody Document  
Gasoline Standard and Sample 6079 Chromatogram

received  
MAR 16 1988

DELETE FOR TIME TO STOP  
\* LATER DELETED

RUN TIME IS STOP

LIST OVEN TEMP  
OVEN TEMP=60°C SETPT=60°C LIMIT=240°C

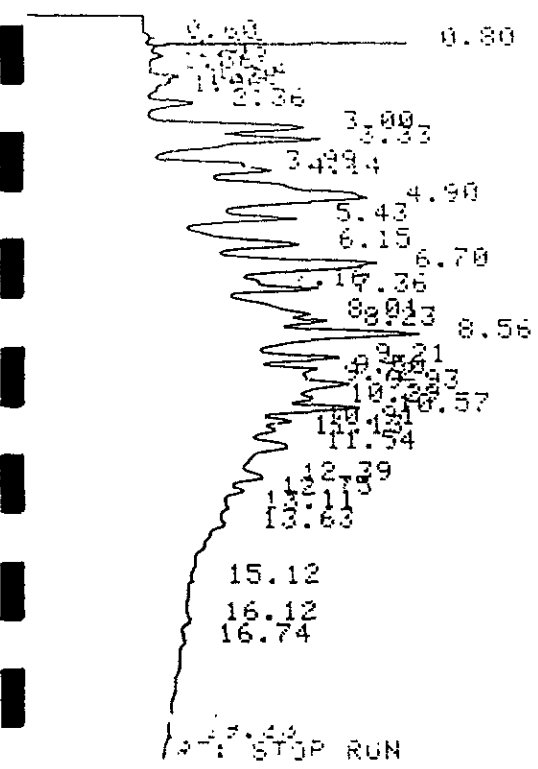


RT: STOP RUN

[hp] 5880A MANUAL INJECTION @ 09:05 MAR 4, 1988  
AREA %

RT	AREA	TYPE	AREA %
0.81	29179.00	HH	4.218
1.06	110767.00	HH	16.013
1.66	53438.80	HH	7.726
1.81	17305.60	HH	2.502
2.01	34541.80	HH	4.994
2.38	32160.10	HH	4.649
2.73	30067.50	HH	4.301
2.96	30879.10	HP	4.464
3.34	27821.50	HH	4.022
3.52	17994.20	HH	2.601
3.97	10124.50	HH	1.464
4.15	9705.89	HP	1.403
4.50	83082.80	HH	12.011
5.40	16234.50	HH	2.356
6.11	9897.84	HH	1.425
6.61	57671.10	HH	8.337
7.06	24368.40	HH	3.523
7.74	4195.60	HH	0.607
8.01	3095.40	HH	0.444
8.37	19945.60	HH	2.899

1ST OVER TEMP  
 VEH TEMP=57°C SETPT=60°C LIMIT=240°C



Volatile Hydrocarbons  
 Sample "RCS-2" (6079)

HP 5880A MANUAL INJECTION @ 13:44 MAR 4, 1988  
 AREA %

RT	AREA	TYPE	AREA %
0.60	236.11	BH	0.079
0.80	713.28	HH	0.239
1.08	611.59	HH	0.205
1.36	175.45	HH	0.059
1.64	1052.66	HH	0.353
1.76	750.48	HH	0.252
1.96	434.56	HH	0.146
2.36	1979.03	HH	0.664
2.60	8911.24	HH	2.989
3.37	9527.38	HH	3.196
3.59	3320.82	HH	1.114
4.14	5907.07	HH	1.982
4.90	26578.70	HH	8.916
5.43	9883.54	HH	3.315
6.15	12593.40	HH	4.211
6.70	6426.10	HH	2.151
7.15	4952.32	HH	1.655
7.71	3724.40	HH	1.247
8.21	17121.00	HH	5.672
8.27	1478.07	HH	0.496
8.36	12347.70	HH	4.156
8.56	11477.10	HH	3.830
9.57	7179.39	HH	2.400
9.71	3661.89	HH	1.200
9.97	14134.53	HH	4.699
10.11	1311.57	HH	0.437

## CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <b>1215</b>		Field Logbook No.:		Date: <b>3/3/88</b>		Serial No.: <b>Nº 2779</b>						
Project Name: <b>Alameda Village</b>		Project Location: <b>Alameda</b>										
Sampler (Signature): <b>Elizabeth Thack</b>				ANALYSES				Samplers: <b>E. NIXON</b>				
SAMPLES												
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	TPH	BTX	HOLD	RUSH	REMARKS
AS-1	3/3/88			1	soil			X	X		X	soil to be analyzed
AS-2				1								
AS-3				1								
AS-4				1								"clean soil"
RCS-1				1								East of storm drain, 7'
RCS-2				1								Fingerpoint / identify hydrocarbons
RCS-3				1	↓							South wall, 5'-6'
RCS-4				1	soil							West wall, 5'-6'
<del>RCS</del>												
Product				1	wipe					X		
RCW-1				2	water			X	X		X	Water from excavation - (skim off any floating product before analyzing)
						For TPH - we expect a mixture of gas + diesel - try to <del>store</del> quantify separately TAT - 24 hrs						
RELINQUISHED BY: (Signature) <b>Elizabeth Thack</b>			DATE	TIME	RECEIVED BY: (Signature) <b>Carey Sloan</b>			DATE	TIME			
RELINQUISHED BY: (Signature) <b>Carey Sloan</b>			DATE	TIME	RECEIVED BY: (Signature) <b>Judy Kichley</b>			DATE	TIME			
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME			
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:							
SAMPLE COLLECTOR: <input checked="" type="checkbox"/> LEVINE-FRICKE <input type="checkbox"/> LEVINE-FRICKE (check one) 629 Oakland Avenue 4019 Westerly Place, Suite 103 Oakland, CA 94611-4567 Newport Beach, CA 92660 (415) 652-4500 (714) 955-1390					Analytical Laboratory: <b>ANATEC</b>  <b>2474</b>							



**ANATEC**  
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435 Tesconi Circle  
Santa Rosa, CA 95401  
707-526-7200  
Fax 707-526-9623

Elizabeth Nixon  
Levine-Fricke  
1900 Powell Street, 12th Floor  
Emeryville, CA 94608

March 29, 1988  
ANATEC Log No: 2504 (1-4)  
Series No: 430/021  
Client Ref: Proj#1245

Subject: Transmittal of Results For Four Samples, Identified  
as "Marina Village, 3/7/88", Received March 7, 1988.

Results (mg/Kg)<sup>a</sup>

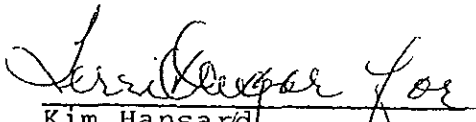
Lab No.	Description	Petroleum Hydrocarbons				
		Extractable as Diesel	Volatile as Gasoline	Benzene	Toluene	Total Xylenes
<u>Soil</u>						
6238	RCS-8 N.Sidewall @ 5'a	<10	<10	<0.005	<0.005	<0.015
6239	RCS-9 NE corner gravel S. drain <sup>a</sup>	<10	<10	<0.005	<0.005	<0.015
<u>Liquid (mg/L)<sup>b</sup></u>						
6240	RCPIT2-W	<0.05	0.073	<0.0005	<0.0005	<0.0006

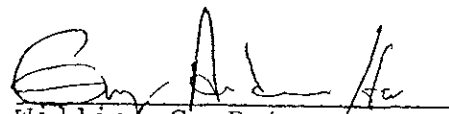
<sup>a</sup>mg/Kg--Data are expressed as milligrams analyte per kilogram sample, as-received basis.  
<sup>b</sup>mg/L--Data are expressed in units of milligrams analyte per liter sample.

Please feel welcome to contact us should you have questions regarding procedures or results.

Submitted by:

Approved by:

  
Kim Hansard  
Project Chemist

  
William G. Rotz  
Project Manager

/mm  
Enc: Sample Custody Document

received  
APR 8 1988

CHAIN OF CUSTODY / ANALYSES REQUEST FORM

2504

Project No.: 1245 Field Logbook No.: \_\_\_\_\_ Date: 3/7/88 Serial No.: \_\_\_\_\_  
 Project Name: Marina Village Project Location: Alameda No: 2781  
 Sampler (Signature): E. Nixon

SAMPLES				ANALYSES						SAMPLERS:		REMARKS	
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	TPH	BIX	HOLD	RUSH		SAMPLERS: <u>E. NIXON</u>
RCS-7	3/7/88			1	soil			X	X			X	NW corner of yard - at 5'
RCS-5	↓			1	↓			↓	↓			X	N sidewalk, west end, 5'
RCS-9	↓			1	↓			↓	↓			X	NE corner, gravel under storm drain
RCPIT2-W	↓			2	water			↓	↓				water from Pit 2 → regular TAT
													ASAP TAT on Rush

RELINQUISHED BY: (Signature) <u>Elizabeth Thoma</u>	DATE <u>3/7/88</u>	TIME <u>1720</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE <u>3/7/88</u>	TIME <u>1720</u>
RELINQUISHED BY: (Signature) <u>[Signature]</u>	DATE <u>3/7/88</u>	TIME <u>1930</u>	RECEIVED BY: (Signature) <u>[Signature]</u>	DATE <u>3/7/88</u>	TIME <u>1930</u>
RELINQUISHED BY: (Signature) _____	DATE _____	TIME _____	RECEIVED BY: (Signature) _____	DATE _____	TIME _____
METHOD OF SHIPMENT: _____	DATE _____	TIME _____	LAB COMMENTS: _____	DATE _____	TIME _____

SAMPLE COLLECTOR:  LEVINE-FRICKE  LEVINE-FRICKE  
 629 Oakland Avenue 4019 Westerly Place, Suite 103  
 Oakland, CA 94611-4567 Newport Beach, CA 92660  
 (415) 652-4500 (714) 955-1390

Analytical Laboratory: ANATEC  
SCOTT ROICE  
 Attn: Kim Hansard





**ANATEC**  
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435 Tesconi Circle  
Santa Rosa, CA 95401  
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Elizabeth Nixon  
Levine-Fricke  
629 Oakland Avenue  
Oakland, CA 94611-4567

March 11, 1988  
ANATEC Log No: **2486** (1-7)  
Series No: 430/020  
Client Ref: Proj 1245

**Subject:** ASAP Priority Analysis of One Water and Six Soil Samples Identified as "Alameda Marina Village" Received on March 4, 1988.

TRANSMITTAL OF RESULTS

Parameter	Descriptor, Lab No. & Results (mg/Kg) <sup>a</sup>			
	RC-W-2 3/4 (6150) <sup>b</sup>	RCS-5 3/4 (6151)	RCS-6 3/4 (6152)	Comp of AS-5,-6 (6156)
VPH <sup>c</sup> , as gasoline	<0.05	<10	<10	44
EPH <sup>d</sup> , as diesel	8.5	69	<10	490
Benzene	<0.0005	<0.005	<0.005	<0.005
Toluene	<0.0005	<0.005	<0.005	<0.005
Xylenes	<0.0006	<0.015	<0.015	5.0

<sup>a</sup>mg/Kg--Data are expressed as milligrams analyte per kilogram sample, as-received basis.

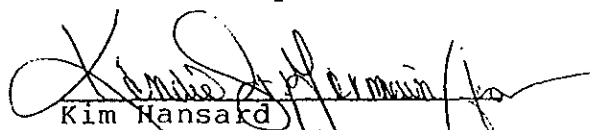
<sup>b</sup>mg/L--Data for this sample only are expressed in units of milligrams analyte per liter sample.

<sup>c</sup>VPH--Volatile petroleum hydrocarbons.

<sup>d</sup>EPH--Extractable petroleum hydrocarbons.

Please feel welcome to contact us should you have questions regarding procedures or results.

Submitted by:

  
Kim Hansard  
Project Chemist

Approved by:

  
Greg Anderson, Director  
Analytical Laboratories

/ml

Enc: Sample Custody Document

**CHAIN OF CUSTODY / ANALYSES REQUEST FORM**

Project No.: <b>1245</b>			Field Logbook No.:			Date: <b>3/4/88</b>		Serial No.:				
Project Name: <b>Alameda Marina Village</b>			Project Location: <b>Alameda</b>			No. <b>2780</b>						
Sampler (Signature): <b>E. Nixon</b>			<b>ANALYSES</b>						Samplers: <b>E. Nixon</b>			
<b>SAMPLES</b>												
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	TPH	BIX	HOLD	RUSH	REMARKS
RC-W-2	3/4/88			3	water			X	X			In excavation with
RCS-5				1	soil			X	X			N. side, 6' in bay mud
RCS-6				1				X	X			N. side, 4' in sand below utility line
AS-5				1				X	X			From aviation pile
AS-6				1				X	X			From aviation pile
Potential				1						X		
						Composite AS-5 & 6 for 1 analysis						
						ASAP						
						TPH → gas & diesel, as identified in previous samples received 3/3/88						
RELINQUISHED BY: <b>Elyse Nixon</b>			DATE: <b>3/4/88</b>	TIME:	RECEIVED BY: <b>Shirley Cunningham</b>			DATE: <b>3/4/88</b>	TIME: <b>4:45</b>			
RELINQUISHED BY: <b>Greg Sloan</b>			DATE: <b>3/4/88</b>	TIME: <b>7:05pm</b>	RECEIVED BY: <b>Greg Sloan</b>			DATE: <b>3/4/88</b>	TIME: <b>1905</b>			
RELINQUISHED BY: <b>Greg Sloan</b>			DATE: <b>3/4/88</b>	TIME: <b>2:05</b>	RECEIVED BY: <b>Kemp</b>			DATE: <b>3/4/88</b>	TIME: <b>2:05</b>			
METHOD OF SHIPMENT:			DATE:	TIME:	LAB COMMENTS:							
SAMPLE COLLECTOR: <input checked="" type="checkbox"/> <b>LEVINE-FRICKE</b> 629 Oakland Avenue Oakland, CA 94611-4567 (415) 652-4500			<input type="checkbox"/> <b>LEVINE-FRICKE</b> 4019 Westerly Place, Suite 103 Newport Beach, CA 92660 (714) 955-1390			Analytical Laboratory: <b>A.M.A.T.E.C.</b>  <b>log # 2780</b>						



**ANATEC  
LABORATORIES  
INC.**

435 Tesconi Circle  
Santa Rosa, CA 95401  
707-526-7200  
Fax 707-526-9623

Elizabeth Nixon  
Levine-Fricke  
1900 Powell St., 12th Floor  
Emeryville, CA 94608

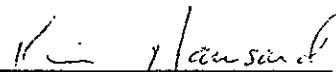
March 17, 1988  
ANATEC Log No: 2518 (1-7)  
Series No: 430/023  
Client Ref: Proj. #1245

**Subject:** URGENT Priority Analysis and Transmittal of Results for One Water and Six Soil Samples Identified as "Project #1245, RCS" Received March 8, 1988.


ANATEC Lab No.	Sample Descriptor	Results (ppm) <sup>a</sup>				
		Petroleum Hydrocarbons Volatile / Extractable		Benzene	Toluene	Total Xylenes
		as Gasoline	as Diesel			
-6288	RCS-10 3/8/88 East wall N end 5'	<10	<10	<0.05	<0.05	<0.15
-6289	RCS-11 3/8/88 Sidewall St. corner 5.5'	<10	<10	<0.05	<0.05	<0.15
-6290	RCS-12 3/8/88 Underneath culvert, S end of storm drain, 5.5'	<10	<10	<0.05	<0.05	<0.15
-6291	RCS-13 3/8/88 N wall, near E end 5'	<10	<10	<0.05	<0.05	<0.15
-6293	RCS-14 3/8/88	<10	<10	<0.05	<0.05	<0.15
-6294	RCS-15 3/8/88	<10	<10	<0.05	<0.05	<0.15
-6292	RC3W 3/8/88 Water from excavation	0.60	0.92	<0.0005	0.073	<0.0006

<sup>a</sup>ppm--Parts-per-million; soil samples are expressed in units of milligrams analyte per kilogram sample, as-received basis; liquids, in units of milligrams analyte per liter sample.

Submitted by:

  
Kim Hansard  
Project Chemist

Approved by:

  
Greg Anderson, Director  
Analytical Laboratories

/hs  
Enc: Sample Custody Document

received  
MAR 22 1988

## CHAIN OF CUSTODY / ANALYSES REQUEST FORM

Project No.: <b>1245</b>			Field Logbook No.:			Date: <b>3/8/88</b>			Serial No.:			
Project Name: <b>Marino Village</b>			Project Location: <b>Alameda</b>			No. <b>2205</b>						
Sampler (Signature): <i>E. Nixen</i>												ANALYSES
SAMPLES												
SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	EPA 601	EPA 624	TPH/BTX	HOLD	RUSH*	REMARKS	
RC-S-10	3/8/88			1	Soil		X			X	East wall, N. end, 5'	
RC-S-11	3/8/88			1	↓		X			X	Side wall SE corner 5 1/2'	
RC-S-12	↓			1	↓		X			X	Underneath culvert, south end of storm drain, 5 1/2'	
RC-S-13	↓			1	↓		X			X	North Wall, Near Fast. Entr. 5'	
RC 3W	↓			3	water		X			X	Water from excavation	
RC-S-14	3/8			1	Soil		X			X		
RC-S-15	↓			1	Soil		X			X		
* IF possible, 24h TAT <del>is</del>												
<del>water sample</del>												
<del>48 hr TAT on soil samples</del>												
RELINQUISHED BY: (Signature) <i>E. Nixen</i>			DATE	TIME	RECEIVED BY: (Signature) <i>Greg Slow</i>			DATE	TIME			
RELINQUISHED BY: (Signature) <i>Greg Slow</i>			DATE	TIME	RECEIVED BY: (Signature) <i>K. Sample</i>			DATE	TIME			
RELINQUISHED BY: (Signature)			DATE	TIME	RECEIVED BY: (Signature)			DATE	TIME			
METHOD OF SHIPMENT:			DATE	TIME	LAB COMMENTS:							
SAMPLE COLLECTOR: <input checked="" type="checkbox"/> LEVINE-FRICKE <input type="checkbox"/> LEVINE-FRICKE					Analytical Laboratory: <b>ANATEC laboratory</b>							
(check one) <input checked="" type="checkbox"/> 629 Oakland Avenue Oakland, CA 94611-4567 (415) 652-4500					4019 Westerly Place, Suite 103 Newport Beach, CA 92660 (714) 955-1390							
					Att: <i>Kim Hansend</i> <b>2518</b>							



**ANATEC**  
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435 Tesconi Circle  
Santa Rosa, CA 95401  
707-526-7200  
Fax 707-526-9623

Elizabeth Nixon  
Levine-Fricke  
1900 Powell St., 12th Floor  
Emeryville, CA 94608

March 17, 1988  
ANATEC Log No: 2534 (1-5)  
Series No: 430/024  
Client Ref: Proj. #1245

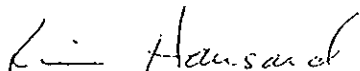
Subject: URGENT Priority Analysis and Transmittal of Results for  
Two Soil Samples Identified as "Project #1245, RCS"  
Received March 9, 1988.


Parameter	Descriptor, Lab No. & Results (mg/Kg) <sup>a</sup>	
	RCS-16 3/9/88 E wall 5.5-6' (-6380)	RCS-18 3/9/88 Next building Pit 1 5.5' (-6382)
<b>PETROLEUM HYDROCARBONS</b>		
Volatile, as Gasoline	<10	<10
Extractable, as Diesel Fuel	<10	<10
Benzene	<0.05	<0.05
Toluene	<0.05	<0.05
Xylenes, total	<0.15	<0.15

<sup>a</sup>mg/Kg--Data are expressed as milligrams analyte per kilogram sample, as-received basis.

Submitted by:

Approved by:

  
Kim Hansard  
Project Chemist

  
Greg Anderson, Director  
Analytical Laboratories

/hs  
Enc: Sample Custody Document

received  
MAR 22 1988

**CHAIN OF CUSTODY / ANALYSES REQUEST FORM**

Project No.: <u>1245</u>	Field Logbook No.:	Date: <u>3/9/88</u>	Serial No.: <b>No 2206</b>
Project Name: <u>Alameda Marina Village</u>		Project Location: <u>Alameda</u>	

Sampler (Signature): <u>E. Nixon</u>	<b>ANALYSES</b>	Samplers: <u>E. Nixon</u>
--------------------------------------	-----------------	------------------------------

SAMPLE NO.	DATE	TIME	LAB SAMPLE NO.	NO. OF CON-TAINERS	SAMPLE TYPE	ANALYSES					HOLD	RUSH	REMARKS
						EPA 601	EPA 624	TPH/STP					
RCS-16	3/9/88			1	soil						X	East wall, disperse EXCAV., 5 1/2 - 6'	
RCS 17				1	↓						X	South wall, disperse EXCAV., 5 1/2'	
RCS-18				1	↓						X	Next to building; pit 1, 5 1/2'	
RCS-19				1	↓						X	North wall, disperse EXCAV. 5 1/2'	
RCPIT1-W	✓			2	water						X	Water from pit 1, next to building	
TPH as gas & diesel													

RELINQUISHED BY: (Signature) <u>E. Nixon</u>	DATE <u>3/9/88</u>	TIME <u>6pm</u>	RECEIVED BY: (Signature) <u>Bruce J. ...</u>	DATE <u>3/9/88</u>	TIME <u>6:00 p</u>
RELINQUISHED BY: (Signature) <u>Bruce J. ...</u>	DATE <u>3/9/88</u>	TIME <u>7:45pm</u>	RECEIVED BY: (Signature) <u>Greg ...</u>	DATE <u>3/9/88</u>	TIME <u>19:45</u>
RELINQUISHED BY: (Signature) <u>Greg ...</u>	DATE <u>3-9-88</u>	TIME <u>2:25</u>	RECEIVED BY: (Signature) <u>K. Temple</u>	DATE <u>3/9/88</u>	TIME <u>2:25</u>
METHOD OF SHIPMENT:			LAB COMMENTS:		

SAMPLE COLLECTOR: (check one) <input checked="" type="checkbox"/> LEVINE-FRICKE 629 Oakland Avenue Oakland, CA 94611-4567 (415) 652-4500	<input type="checkbox"/> LEVINE-FRICKE 4019 Westerly Place, Suite 103 Newport Beach, CA 92660 (714) 955-1390
Analytical Laboratory: <u>AMATEC</u> <u>12534</u> <u>Santa Rosa</u>	



430/028 LOG 2706

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April 15, 1988

TABLE 2. SUMMARIZED ANALYTICAL RESULTS FOR ONE SAMPLE, "RC-1"

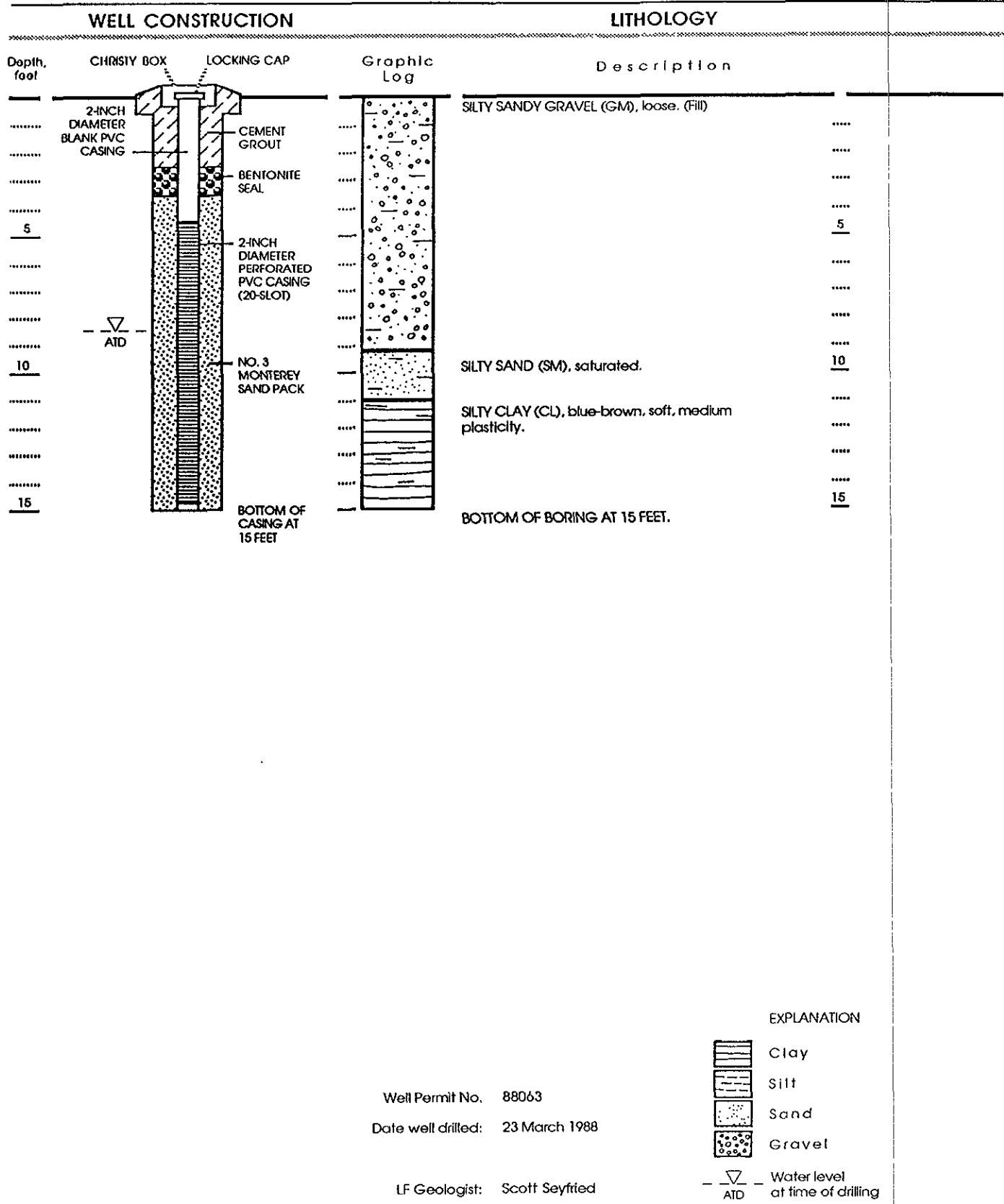
Parameter	Results (mg/L) <sup>a</sup>
	RC-1 1245 3/28/88 (-7305)
Petroleum Hydrocarbons	
Volatile, as Gasoline	<0.05
Extractable, as Diesel Fuel	1.5
Benzene	<0.0005
Ethylbenzene	<0.0005
Toluene	<0.0005
Xylenes, Total	<0.0005
Total Dissolved Solids	NR <sup>b</sup>

<sup>a</sup>mg/L--Data are expressed in units of milligrams analyte per liter sample.






<sup>b</sup>NR--Analysis not requested.

**APPENDIX B**  
**WELL INSTALLATION LOG**





EXPLANATION

-  Clay
-  Silt
-  Sand
-  Gravel
-  Water level at time of drilling

Well Permit No. 88063  
 Date well drilled: 23 March 1988  
 LF Geologist: Scott Seyfried

Approved by: *ASA* 4267

Figure B1 : WELL CONSTRUCTION AND LITHOLOGY FOR WELL RC-1