



NATIONAL ENVIRONMENTAL TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Formerly: ANATEC Labs, Inc.

Bruce Hageman
Hageman-Schank, Inc.
2723 Crow Canyon Rd., #210
San Ramon, Ca., 94583

04-14-89
NET Pacific Log No: 6047 (1-3)
Series No: 341
Client Ref:

Subject: Analytical Results for Three Water Samples Identified as "Mariner Warehouse" Received 04-07-89.

Dear Mr. Hageman:

Analysis of the samples referenced above has been completed. This report is written in confirmation of results transmitted verbally on April 13, 1989. Results are presented following this page.

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

Submitted by:

Approved by:


David Hirano
Project Chemist


Kim Hansard
Project Manager

/ara
Enc: Sample Custody Document



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LOG NO 6047

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April 14, 1989

KEY TO ABBREVIATIONS

- mean : Average; the sum of the measurements divided by the total number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample, unless noted otherwise.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed; see cover letter for details.
- ND : Not detected; the analyte concentration is less than the listed reporting limit.
- NR : Not requested.
- NTU : Nephelometric turbidity units.
- RL : Reporting limit.
- RPD : Relative percent difference, $[V^1 - V^2 / V \text{ mean}] \times 100$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- ug/filter : Concentration in units of micrograms of analyte per filter.
- umhos/cm : Micromhos per centimeter.
- * : See cover letter for details.

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April 14, 1989

SAMPLE DESCRIPTION: WS-1 SUMP 04-06-89 1415
LAB NO.: (-25358)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel fuel	0.05	0.49	mg/L
DATE ANALYZED		04-11-89	
DATE EXTRACTED		04-7-89	



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April 14, 1989

SAMPLE DESCRIPTION: WS-2 Sump 04-06-89 1420
LAB NO.: (-25360)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Volatile, as Gasoline	0.05	ND	mg/L
Benzene	0.0005	ND	mg/L
Ethylbenzene	0.0015	ND	mg/L
Toluene	0.0005	ND	mg/L
Xylenes, total	0.0015	ND	mg/L
DATE ANALYZED		04-10-89	



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San Ramon, Ca., 94583

04-14-89
NET Pacific Log No: 6046 (1-8)
Series No: 341
Client Ref: Bruce Hageman

Subject: Analytical Results for Eight Water Samples Identified as
"Alameda Mariner Warehouse" Received 04-07-89.

Dear Mr. Hageman:


Analysis of the samples referenced above has been completed. Results are presented following this page.

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

Submitted by:

Approved by:

David Hirano
Project Chemist



Kim Hansard
Project Manager

/ara
Enc: Sample Custody Document



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LOG NO 6046

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April 14, 1989

KEY TO ABBREVIATIONS

- mean : Average; the sum of the measurements divided by the total number of measurements.
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- RPD : Relative percent difference, $[(V^1 - V^2) / V \text{ mean}] \times 100$.
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- ug/filter : Concentration in units of micrograms of analyte per filter.
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April 14, 1989

SAMPLE DESCRIPTION: BHSS-1
LAB NO.: (-25350)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	580	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-08-89	

SAMPLE DESCRIPTION: BHSS-2
LAB NO.: (-25351)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	2,600	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

SAMPLE DESCRIPTION: BHSS-3
LAB NO.: (-25352)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	680	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

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SAMPLE DESCRIPTION: BHSS-4
 LAB NO.: (-25353)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	4,800	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

SAMPLE DESCRIPTION: BHSS-5
 LAB NO.: (-25354)^a

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	41,000	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

SAMPLE DESCRIPTION: BHSS-6
 LAB NO.: (-25355)^a

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	9,600	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

^aThe reporting limit for this sample is 10 times that listed.

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SAMPLE DESCRIPTION: BHSS-7
LAB NO.: (-25356)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	ND	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	

SAMPLE DESCRIPTION: BHSS-8
LAB NO.: (-25357)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Motor Oil	10	ND	mg/Kg
DATE ANALYZED		04-08-89	
DATE EXTRACTED		04-07-89	



4080-C Pike Lane
Concord, CA 94520
415-685-7852
800-544-3422 (In CA)
800-423-7143 (Outside CA)

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: **B. HAGEMA** Phone #: **937-2926**

Address: **2723 Crow Canyon** FAX #:

Project Number: Project Name:

Project Location: **ALAMEDA MARINER WAREHOUSE** Sampler Signature: **B. Hagema**

ANALYSIS REQUEST

OTHER

SPECIAL HANDLING

Sample ID	Lab # (Lab use only)	# CONTAINERS Volume/Amount	Matrix					Method Preserved					Sampling		
			WATER	SOIL	AIR	SLUDGE	OTHER	HCl	HNO3	ICE	NONE	OTHER	DATE	TIME	
BHSS-1															
BHSS-2															
BHSS-3															
BHSS-4															
BHSS-5															
BHSS-6															
BHSS-7															
BHSS-8															

BTX (802/8020)	
BTX/TPH as Gasoline (802/8020/8016)	
TPH as Diesel (8015 or 8270)	
TPH as Jetfuel (8015 or 8270)	
Total Oil & Grease (413.1)	
Total Oil & Grease (413.2)	
Total Petroleum Hydrocarbons (413.1)	
EPA 801/8010	
EPA 802/8020	
EPA 808/8080	
EPA 808/8080-PCBs Only	
EPA 824/8240	
EPA 825/8270	
CAM - 17 Metals	
EPTOX - 8 Metals	
EPA - Priority Pollutant Metals	
LEAD (7420/7421/239.2)	
ORGANIC LEAD	
XXXXXXXXXXXX MOTOR OIL (HOST)	

PRIORITY ONE SERVICE (24 hr)
EXPEDITED SERVICE (2-4 days)
VERBALS/FAX
SPECIAL DETECTION LIMITS (SPECIFY)

Relinquished by: **B. Hagema** Date Time: **4/6/89**
 Relinquished by: Date Time:
 Relinquished by: Date Time:

Received by:
 Received by:
 Received by Laboratory:

Remarks: **6046-396**
ANALYZE FOR
Hydroic Oil

SENT BY: ANRTEC Laboratories : 4-17-89 10:11AM : 7075269623-415 945 0793 #12



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Hageman-Schank, Inc.
2723 Crow Canyon Rd., #210
San Ramon, CA 94583

04-14-89
NET Pacific Log No: 6036
Series No: 341
Client Ref: Bruce Hageman

Subject: Analytical Results for Nine Soil Samples Identified as "Mariner Warehouse, Alameda" Received 04-07-89.


Dear Mr. Hageman:

Analysis of the samples referenced above has been completed. Results are presented following this page.

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

Submitted by:

Approved by:



John Perrodin
Project Chemist



William G. Rotz
Project Manager

/ara



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April 14, 1989

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- mean : Average; the sum of the measurements divided by the total number of measurements.
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- ug/filter : Concentration in units of micrograms of analyte per filter.
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THE COVER LETTER AND KEY TO ABBREVIATIONS ARE AN INTEGRAL PART OF THIS REPORT



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April 14, 1989

SAMPLE DESCRIPTION: PLT-1 04-04-89 1000
LAB NO.: (-25476)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	NO	mg/Kg

SAMPLE DESCRIPTION: PLT-2 04-04-89 1010
LAB NO.: (-25477)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	NO	mg/Kg

SAMPLE DESCRIPTION: PLT-3 04-04-89 1020
LAB NO.: (-25478)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	NO	mg/Kg

SAMPLE DESCRIPTION: PLT-4 04-04-89 1030
LAB NO.: (-25479)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	NO	mg/Kg

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April 14, 1989

SAMPLE DESCRIPTION: PLT-5 04-04-89 1045
LAB NO.: (-25480)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	ND	mg/Kg

SAMPLE DESCRIPTION: PLT-6 04-04-89 1100
LAB NO.: (-25481)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	ND	mg/Kg

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April 14, 1989

SAMPLE DESCRIPTION: ASS-1 04-06-89
LAB NO.: (-25454)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	2,000	mg/Kg

SAMPLE DESCRIPTION: ASS-2 04-06-89
LAB NO.: (-25455)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	460	mg/Kg

SAMPLE DESCRIPTION: ASS-3 -4-07-89
LAB NO.: (-25467)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	34,000	mg/Kg

SAMPLE DESCRIPTION: ASS-4 04-06-89
LAB NO.: (-25456)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	200	mg/Kg

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April 14, 1989

SAMPLE DESCRIPTION: ASS-5 04-06-89
LAB NO.: (-25457)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	ND	mg/Kg

SAMPLE DESCRIPTION: ASS-6 04-07-89
LAB NO.: (-25464)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	60	mg/Kg

SAMPLE DESCRIPTION: ASS-7 04-07-89
LAB NO.: (-25465)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	ND	mg/Kg

SAMPLE DESCRIPTION: PLT-8 04-07-89
LAB NO.: (-25466)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	10	ND	mg/Kg

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April 14, 1989

SAMPLE DESCRIPTION: W-S-1 04-06-89
LAB NO.: (-25458)

<u>Parameter</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
PETROLEUM HYDROCARBONS			
Extractable, as Diesel	20	NO	mg/L