INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI

July 23, 1997

Project No. 95-113.22

57cp 3280

Mr. John Prall
Associate Environmental Scientist
Port of Oakland
530 Water Street
Oakland, California 94607

Groundwater Monitoring and Sampling Report
801 Maritime Street
Oakland, California
(Work Order No. 202863)

Dear Mr. Prall:

This Groundwater Monitoring and Sampling Report (Report) has been prepared by Innovative Technical Solutions, Inc. (ITSI) on behalf of the Port of Oakland for groundwater monitoring and sampling performed on June 23, 1997 at the 801 Maritime Street site in Oakland, California. A site location map is shown on Figure 1.

The scope of work included monitoring and sampling one groundwater monitoring well, MW-1. The monitoring well is located in the vicinity of three former underground storage tanks previously removed from the site in February 1989: two 10,000-gallon tanks (CF-06 and CF-35) and a 20,000-gallon tank (CF-07).

SAMPLING OF MONITORING WELL

The groundwater monitoring and sampling was performed on June 23, 1997. The monitoring well was initially gauged for depth to water and checked for the presence of separate phase hydrocarbons. No separate phase hydrocarbons were observed in the monitoring well. The depth to water measurement was recorded on a Monitoring Well Purge and Sample Form. A Copy of the Monitoring Well Purge and Sample Form is provided in Attachment A.

1330 Broadway, Suite 1625, Oakland, CA 94612 (510) 286-8888 (510) 286-8889 fax

PORT OF OAKLAND

August 11, 1997

Ms. Jennifer Eberle
Hazardous Materials Specialist
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

SUBJECT: **SECOND QUARTER 1997,**
GROUNDWATER MONITORING AND SAMPLING REPORT
801 MARITIME STREET
OAKLAND, CALIFORNIA
STID #3780

Dear Jennifer:

The Port of Oakland herein submits a report titled "Groundwater Monitoring and Sampling Report", dated July 23, 1997 prepared on the behalf of the Port by Innovative Technical Solutions Inc. The report addresses groundwater monitoring and sampling in March 1997 of a single monitoring well located at a former underground storage tank site designated by Alameda County as 801 Maritime Street

If you have any questions regarding the report, please contact me at 272-1373.

Sincerely,

John Prall, R.G.
Associate Environmental Scientist

Enclosure
cc: Neil Werner

After the depth to water measurement was recorded, the monitoring well was purged using a clean disposable bailer. Approximately three casing volumes of water were removed, or until pH, conductivity, and temperature readings stabilized indicating formation water had entered the monitoring well. Field parameters were recorded on the Monitoring Well Purge and Sample Form.

A groundwater sample was collected from the monitoring well using the disposable bailer and placed into laboratory provided containers. The sample containers were properly labeled with the sample number, date and time of collection, and samplers' initials, and were placed on ice in an insulated cooler. Purge water was stored onsite in a properly labeled drum.

The above field activities were performed in accordance with the site-specific Health and Safety Plan for groundwater monitoring activities at the site.

MONITORING WELL GROUNDWATER LEVEL

Depth to water data is summarized in Table 1. The groundwater elevation was calculated using the measured depth to water and survey elevation of top of casing, and is provided in Table 1. This survey used the Port of Oakland datum, which is 3.2 feet below mean sea level. Figure 2 shows the groundwater elevation.

The groundwater gradient for the site could not be determined. It is our understanding that the monitoring wells at the nearby Berth 24 were recently abandoned. Consequently, these wells can no longer be used to determine groundwater gradient.

LABORATORY ANALYSIS OF GROUNDWATER SAMPLE

The sample was sent under chain-of-custody procedures to Pace Analytical in Petaluma, California, the current Port of Oakland contract laboratory. The samples were analyzed according to the following schedule:

Monitoring Well	Analyses			
I.D.	TPHg[1]	BTEX[2]	TPHd[3]	TDS[4]
MW-1	x	x	x	x

[1] TPH as gasoline by Modified EPA Method 8015.
[2] Benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 602.
[3] TPH as diesel by Modified EPA Method 8015 with silica gel cleanup procedure.
[4] Total dissolved solids by EPA Method 160.1.

The laboratory results for the groundwater sample are summarized in Table 2, and are shown in Figure 2. Copies of the laboratory results, chromatograms and chain-of-custody are provided in Attachment B.

FINDINGS

Results of the June 23, 1997 groundwater monitoring and sampling of MW-1 are summarized below:

- TPHg was reported at a concentration of 170 µg/l.
- Benzene, toluene, ethylbenzene and xylenes were reported at concentrations of 20 µg/l, 11 µg/l, 4.1 µg/l and 18 µg/l, respectively.
- TPHd was reported at a concentration of 3,000 µg/l.
- TDS was reported at a concentration of 1,320 mg/l.

Please give us a call if you have any questions or comments.

Sincerely,

Jim Schollard
Environmental Scientist

Jeffrey D. Hess, R.G.
Project Director

Attachments

TABLE 1

GROUNDWATER ELEVATIONS
801 MARITIME STREET
OAKLAND, CALIFORNIA

Monitoring Well ID	Elevation of Top of Casing (feet)	Date of Monitoring	Measured Depth to Water (feet)	Product Thickness (feet)	Groundwater Elevation (feet)	Note
MW-1	10.61	07/10/96	7.36	-	3.25	1
		12/27/96	7.55	-	3.06	
		03/25/97	7.31	-	3.30	
		06/23/97	7.55	-	3.06	

1. Data from Table 2, Summary of Results of Groundwater Sampling, Port of Oakland Tanks CF-06, CF-07, and CF-35, 801 Maritime Street, Oakland, California, dated August 7, 1996, by Alisto Engineering Group.

TABLE 2

SUMMARY OF LABORATORY RESULTS
801 MARITIME STREET
OAKLAND, CALIFORNIA

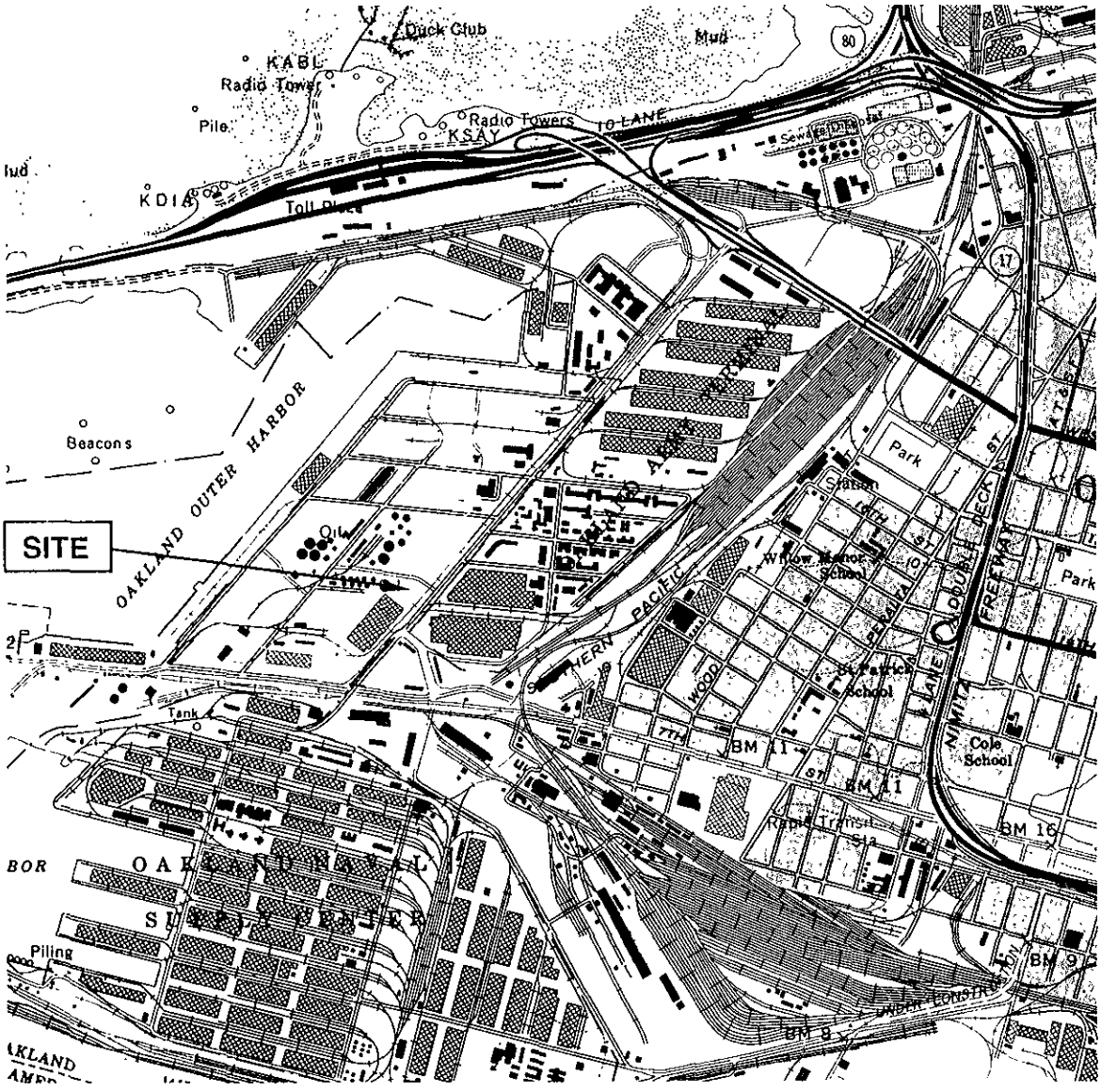
Monitoring Well ID	Date of Sampling	TPHg (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	TPHd (µg/l)	TDS (mg/l)	Note
MW-1	07/10/96	180	27	14	5.4	23	7,100	-	1
	12/27/96	180	30	15	5.8	26	670	-	
	03/25/97	180	21	11	4.0	17	190	1,840	
	06/23/97	170	20	11	4.1	18	3,000	1,320	

1. Data from Table 2, Summary of Results of Groundwater Sampling, Port of Oakland Tanks CF-06, CF-07, and CF-35, 801 Maritime Street, Oakland, California, dated August 7, 1996, by Alisto Engineering Group.

TPHg = Total petroleum hydrocarbons (TPH) as gasoline.
TPHd = TPH as diesel.
TDS = Total Dissolved Solids

site seems to be tidally influenced

95-113 22/F.1-SitLoc



0 2,000 Feet 4,000 Feet

Approximate Scale

Source: Oakland West 7.5-minute U.S.G.S. Quadrangle, dated 1959, and photorevised in 1980.

FIGURE 1

SITE LOCATION

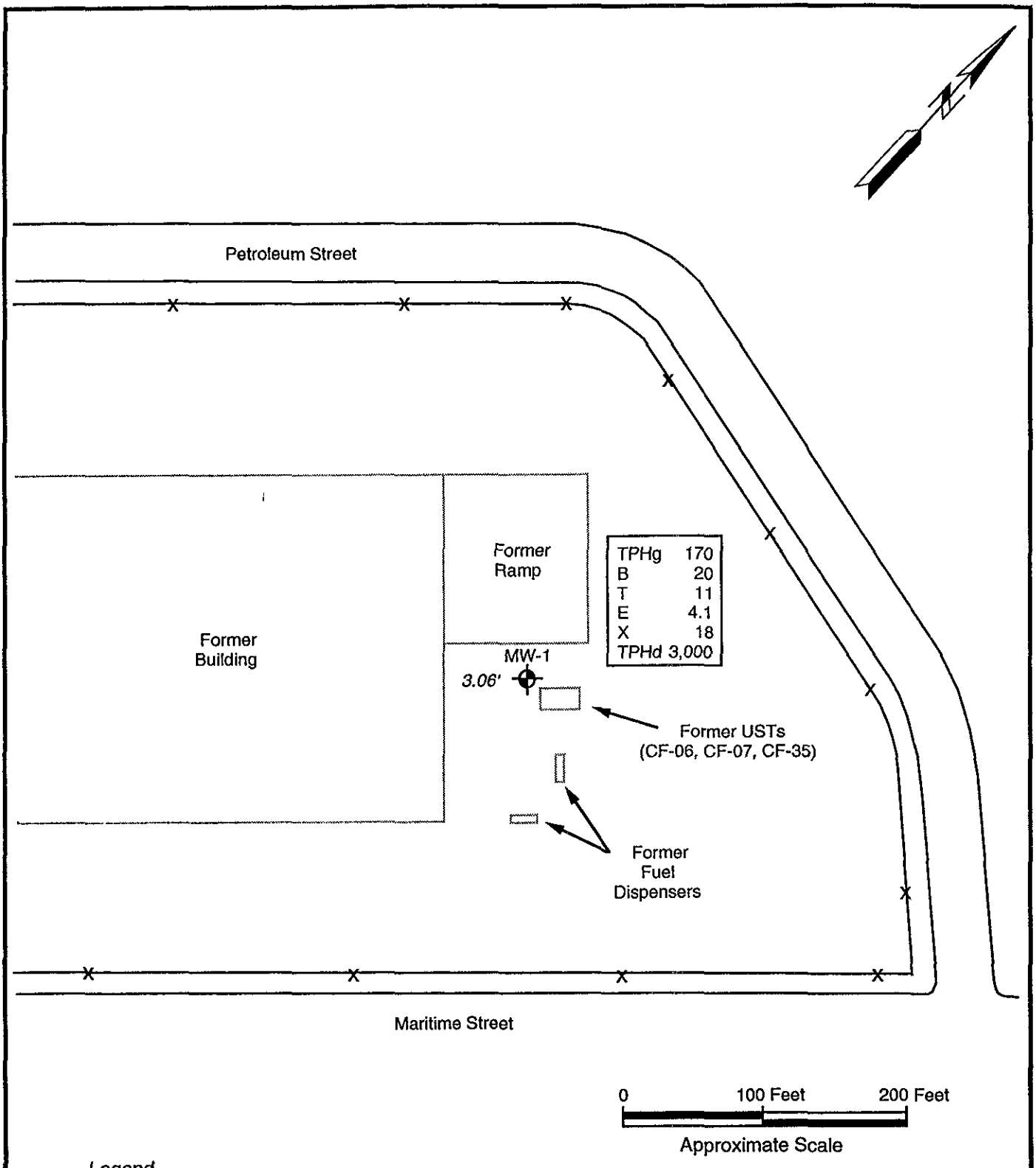
801 Maritime Street
Oakland, California

PORT OF OAKLAND

ITSI

INNOVATIVE TECHNICAL SOLUTIONS, INC.

95-113.22/F.1-Results



Legend

- Monitoring Well
- *3.06'* Groundwater elevation (in feet)
- *TPHg* TPH as gasoline (in µg/L)
- BTEX Benzene, toluene, ethylbenzene, xylenes (in µg/L)
- TPHd TPH as diesel (in µg/L)

Source: Adapted from Figure 2, Site Plan, 801 Maritime Street, Allsto Engineering Group, August 7, 1996.

FIGURE 2

LABORATORY RESULTS FOR PETROLEUM HYDROCARBONS (JUNE 23, 1997)

801 Maritime Street
Oakland, California

PORT OF OAKLAND

ITSI
INNOVATIVE TECHNICAL SOLUTIONS, INC.

ATTACHMENT A

COPY OF MONITORING WELL PURGE AND SAMPLE FORM

MONITORING WELL
PURGE AND SAMPLE FORM

PROJECT NAME: Port of Oakland – 801 Maritime PROJECT NO.: 95-113.22

WELL NO.: MW-1 TESTED BY: J. Scholland DATE: 6/23/97

Measuring Point Description: rel notch, T.O.C. Static Water Level (ft.): 7.55

Total Well Depth (ft.): 14.65 Sample Method: 2" disposable bailer

Water Level Measurement Method: Solinst WL probe Time Sampled: 14:50

Purge Method: 2" disposable bailer Sample Depth (ft.): ~8 - 14.65

Time Start Purge: 1422 Field Filtering: NA

Time End Purge: 1438 Field Preservation: H2O Ice

Comments: OTB indicates 8 Ft bottom / sediment accumulation; Collected QC-1 field duplicate from MW-1 @ 1500

Well Volume Calculation (fill in before purging)	Total Depth (ft)		Depth to Water (ft)		Water Column (ft)		Multiplier for Casing Diameter (in)				Casing Volume (gal)
						x	2"	4	6	=	1.136
	14.65	-	7.55	=	7.1		0.16	0.64	1.44		3 vols = 3.41

Time	1423	1431	1438				
Volume Purged (gals)	1.25	1.25	1.25				
Cumulative Volume Purged (gals)	1.25	2.50	3.75				
Cumulative Number of Casing Volumes	1.1	2.2	3.3				
Purge Rate (gpm)	0.42	0.20	0.18				
Temperature (F°) or (C°)	72.0	71.3	70.8				
pH	12.25	12.15	12.22				
Specific Conductivity (µmhos/cm) X 1000	4.81	4.64	4.63				
Dissolved Oxygen (mg/L)	NA	→	→				
Turbidity/Color (NTU)	rel. clear	light olive grey	rel. clear				
Odor	None	→	→				
Dewatered?	No	→	→				

CHECKED BY: _____ DATE: _____

ITSI

ATTACHMENT B

COPY OF LABORATORY REPORTS, CHROMATOGRAMS AND CHAIN-OF-CUSTODY FORM FOR GROUNDWATER SAMPLE

Pace Analytical

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel 707-792-1865
Fax: 707-792-0342

July 02, 1997

Mr. Jim Schollard
Innovative Technical Solutions
1330 Broadway , Suite 1625
Oakland, CA 94612

RE: Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Dear Mr. Schollard:

Enclosed are the results of analyses for sample(s) received by the laboratory on June 23, 1997. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew
Project Manager

CA ELAP Certificate Number I2245

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

DATE: 07/02/97
PAGE: 1

Innovative Technical Solutions
1330 Broadway , Suite 1625
Oakland, CA 94612

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Attn: Mr. Jim Schollard
Phone: (510)286-8888

Solid results are reported on a wet weight basis

Pace Sample No: 701008989 Date Collected: 06/23/97 Matrix: Water
Client Sample ID: MW-1 Date Received: 06/23/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GC -- Volatiles							
GAS/BTEX, Water	Method: EPA 8015M/8020M				Prep Method: EPA 8015M/8020M		
Gasoline	170	ug/L	50	06/25/97	AMH		
Benzene	20	ug/L	0.5	06/25/97	AMH	71-43-2	
Toluene	11	ug/L	0.5	06/25/97	AMH	108-88-3	
Ethylbenzene	4.1	ug/L	0.5	06/25/97	AMH	100-41-4	
Xylene (Total)	18	ug/L	1	06/25/97	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	106	%		06/25/97	AMH	2164-17-2	
4-Bromofluorobenzene (S)	100	%		06/25/97	AMH	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel. 707-792-1865
Fax 707-792-0342

Pace Analytical

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Pace Sample No: 701008997 Date Collected: 06/23/97 Matrix: Water
Client Sample ID: MW-1 Date Received: 06/23/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
Wet Chemistry							
Total Dissolved Solids	Method: EPA 160.1				Prep Method: EPA 160.1		
Total Dissolved Solids	1320	mg/L	5	06/27/97	DNL		
GC -- Semi-VOA							
TPH by 8015M w/ silica gel	Method: EPA 8015M w/ SG				Prep Method: EPA 3520		
Diesel Fuel	3.0	mg/L	0.05	06/26/97	WSN	11-84-7	
n-Pentacosane (S)	96	%		06/26/97	WSN	629-99-2	
Date Extracted				06/25/97			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Pace Sample No: 701009003 Date Collected: 06/23/97 Matrix: Water
Client Sample ID: QC-1 Date Received: 06/23/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GC -- Volatiles							
GAS/BTEX, Water	Method: EPA 8015M/8020M			Prep Method: EPA 8015M/8020M			
Gasoline	170	ug/L	50	06/25/97	AMH		
Benzene	21	ug/L	0.5	06/25/97	AMH	71-43-2	
Toluene	11	ug/L	0.5	06/25/97	AMH	108-88-3	
Ethylbenzene	4.2	ug/L	0.5	06/25/97	AMH	100-41-4	
Xylene (Total)	18	ug/L	1	06/25/97	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	105	%		06/25/97	AMH	2164-17-2	
4-Bromofluorobenzene (S)	102	%		06/25/97	AMH	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Pace Sample No: 701009011 Date Collected: 06/23/97 Matrix: Water
Client Sample ID: TRIP BLANK Date Received: 06/23/97

Parameters	Results	Units	PRL	Analyzed	Analyst	CAS#	Footnotes
GC -- Volatiles							
GAS/BTEX, Water	Method: EPA 8015M/8020M			Prep Method: EPA 8015M/8020M			
Gasoline	ND	ug/L	50	06/25/97	AMH		
Benzene	ND	ug/L	0.5	06/25/97	AMH	71-43-2	
Toluene	ND	ug/L	0.5	06/25/97	AMH	108-88-3	
Ethylbenzene	ND	ug/L	0.5	06/25/97	AMH	100-41-4	
Xylene (Total)	ND	ug/L	1	06/25/97	AMH	1330-20-7	
a,a,a-Trifluorotoluene (S)	101	%		06/25/97	AMH	2164-17-2	
4-Bromofluorobenzene (S)	92	%		06/25/97	AMH	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

PARAMETER FOOTNOTES

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
(S)	Surrogate

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd North, Suite D
Petaluma, CA 94954
Tel 707-792-1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
1330 Broadway , Suite 1625
Oakland, CA 94612

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Attn: Mr. Jim Schollard
Phone: (510)286-8888

QC Batch ID: 24515
Analysis Method: EPA 8015M w/ SG
Associated Pace Samples: 701008997

QC Batch Method: EPA 3520
Analysis Description: TPH by 8015M w/ silica gel

METHOD BLANK: 701010456
Associated Pace Samples:
701008997

Parameter	Units	Method Blank Result	PRL	Footnotes
Diesel Fuel	mg/L	ND	0.05	
n-Pentacosane (S)	%	90		

LABORATORY CONTROL SAMPLE & LCSD: 701005381 701005399

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Diesel Fuel	mg/L	1.0	0.5258	52.6	0.4362	43.6	19	
n-Pentacosane (S)				90		86		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

DATE: 07/02/97

Innovative Technical Solutions
1330 Broadway , Suite 1625
Oakland, CA 94612

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Attn: Mr. Jim Schollard
Phone: (510)286-8888

QC Batch ID: 24623
QC Batch Method: EPA 8015M/8020M
Analysis Method: EPA 8015M/8020M
Analysis Description: GAS/BTEX, Water
Associated Pace Samples: 701008989 701009003 701009011

METHOD BLANK: 701010266
Associated Pace Samples:
701008989 701009003 701009011

Parameter	Units	Method Blank Result	PRL	Footnotes
Gasoline	ug/L	ND	50	
Benzene	ug/L	ND	0.5	
Toluene	ug/L	ND	0.5	
Ethylbenzene	ug/L	ND	0.5	
Xylene (Total)	ug/L	ND	1	
a,a,a-Trifluorotoluene (S)	%	101		
4-Bromofluorobenzene (S)	%	96		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 701009367 701009375

Parameter	Units	701004541	Spike Conc.	Matrix Spike Result	Spike % Rec	Matrix Sp. Dup. Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/L	1122	500	1584	92.4	1555	86.6	6	
Toluene	ug/L	52.70	500	524.5	94.4	519.5	93.4	1	
Ethylbenzene	ug/L	110.0	500	573.0	92.6	569.5	91.9	1	
Xylene (Total)	ug/L	151.6	1500	1578	95.1	1564	94.2	1	
a,a,a-Trifluorotoluene (S)					113		112		
4-Bromofluorobenzene (S)					103		101		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel. 707-792 1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

DATE: 07/02/97

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

LABORATORY CONTROL SAMPLE & LCSD: 701009383 701009391

Parameter	Units	Spike Conc.	LCS Result	Spike % Rec	LCSD Result	Spike Dup % Rec	RPD	Footnotes
Benzene	ug/L	100	95.57	95.6	99.05	99.1	4	
Toluene	ug/L	100	96.83	96.8	99 54	99.5	3	
Ethylbenzene	ug/L	100	94.61	94.6	97.51	97.5	3	
Xylene (Total)	ug/L	300	289.5	96.5	298.1	99.4	3	
a,a,a-Trifluorotoluene (S)				104		103		
4-Bromofluorobenzene (S)				106		105		

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Analytical

QUALITY CONTROL DATA

Innovative Technical Solutions
1330 Broadway , Suite 1625
Oakland, CA 94612

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

Attn: Mr. Jim Schollard
Phone: (510)286-8888

QC Batch ID: 24739
QC Batch Method: EPA 160.1
Analysis Method: EPA 160.1
Analysis Description: Total Dissolved Solids
Associated Pace Samples: 701008997

METHOD BLANK: 701014581
Associated Pace Samples:
701008997

Parameter	Units	Method Blank Result	PRL	Footnotes
Total Dissolved Solids	mg/L	ND	5	

SAMPLE DUPLICATE: 701014599

Parameter	Units	701008997	Dup. Result	RPD	Footnotes
Total Dissolved Solids	mg/L	1320	1230	7	

REPORT OF LABORATORY ANALYSIS

Pace Analytical

Pace Analytical Services, Inc.
1455 McDowell Blvd. North, Suite D
Petaluma, CA 94954
Tel: 707-792-1865
Fax: 707-792-0342

Pace Project Number: 708660
Client Project ID: 801 Maritime/202863

QUALITY CONTROL DATA PARAMETER FOOTNOTES

Consistent with EPA guidelines unrounded concentrations are displayed and have been used to calculate % Rec and RPD values.

ND	Not Detected
NC	Not Calculable
PRL	Pace Reporting Limit
RPD	Relative Percent Difference
(S)	Surrogate

REPORT OF LABORATORY ANALYSIS

INNOVATIVE TECHNICAL SOLUTIONS, Inc.

ITSI
2855 Mitchell Drive. Suite 118
Walnut Creek, California 94598
(510) 256-8898 (Tel), (510) 256-8998 (Fax)

708660

PROJECT NAME: P/O - 801 Maritime
PROJECT NUMBER: 95-113.22
SITE LOCATION: 801 Maritime Dr., Oakland CA

CHAIN OF CUSTODY

DATE: 6/23/97
PAGE: 1 of 1

SAMPLE I.D.	SAMPLE DEPTH	DATE	TIME	NUMBER OF CONTAINERS	TYPE OF CONTAINERS	SAMPLE MATRIX	ANALYSIS: TPH as Gas/BTEX - 8015/8020	TPH as Diesel - 8015	TPH as Diesel - 8015 (w/ Silica Gel Cleanup)	TEPH - 8015	TEPH-8015 M (w/ Silica Gel Cleanup)	TRPH - 418.1	Oil and Grease - 5520	Purgeable Halocarbons - 601/8010	VOCs - 624/ 8240	SVOCs - 625/8270	LUFT Metals (Cd, Cr, Ni, Pb, Zn)	CAM 17 Metals	TDS - 160.1	SPECIAL INSTRUCTIONS/COMMENTS
MW-1	—	6/23/97	1450	3	VOA	W	X													701008989
↓	—	↓	↓	2	1LA	W			X											701008997
↓	—	↓	↓	1	250 ml plast.	W													X	↓
QC-1	—	↓	NA	3	VOA	W	X													701009003
Trip Blank	—	6/23/97		2	VOA	W	X													701009011

Not used (55) 6/23/97

TOTAL NUMBER OF CONTAINERS: 5 — TOTAL TESTS

PACE Analytical
Petaluma, CA
WO# 202863

COOLER CUSTODY SEALS INTACT ☐ NOT INTACT ☐ N/A
COOLER TEMPERATURE 4°C

SAMPLED BY: Jim Schofland
SIGNATURE: Jim Schofland

SPECIAL INSTRUCTIONS/COMMENTS: Standard TAT. //Send Chromatograms w/ TPHd results

RELINQUISHED BY: Jim Schofland — Printed Name / Signature
ITSI — Company
6/23/97 @ 1638 — Date and Time

RECEIVED BY: Vito Leccese — Printed Name / Signature
PACE — Company
6/23/97 16:38 — Date and Time

RELINQUISHED BY: Vito Leccese — Printed Name / Signature
Company / Date and Time

RECEIVED BY: Printed Name / Signature
Company / Date and Time

RELINQUISHED BY: Printed Name / Signature
Company / Date and Time

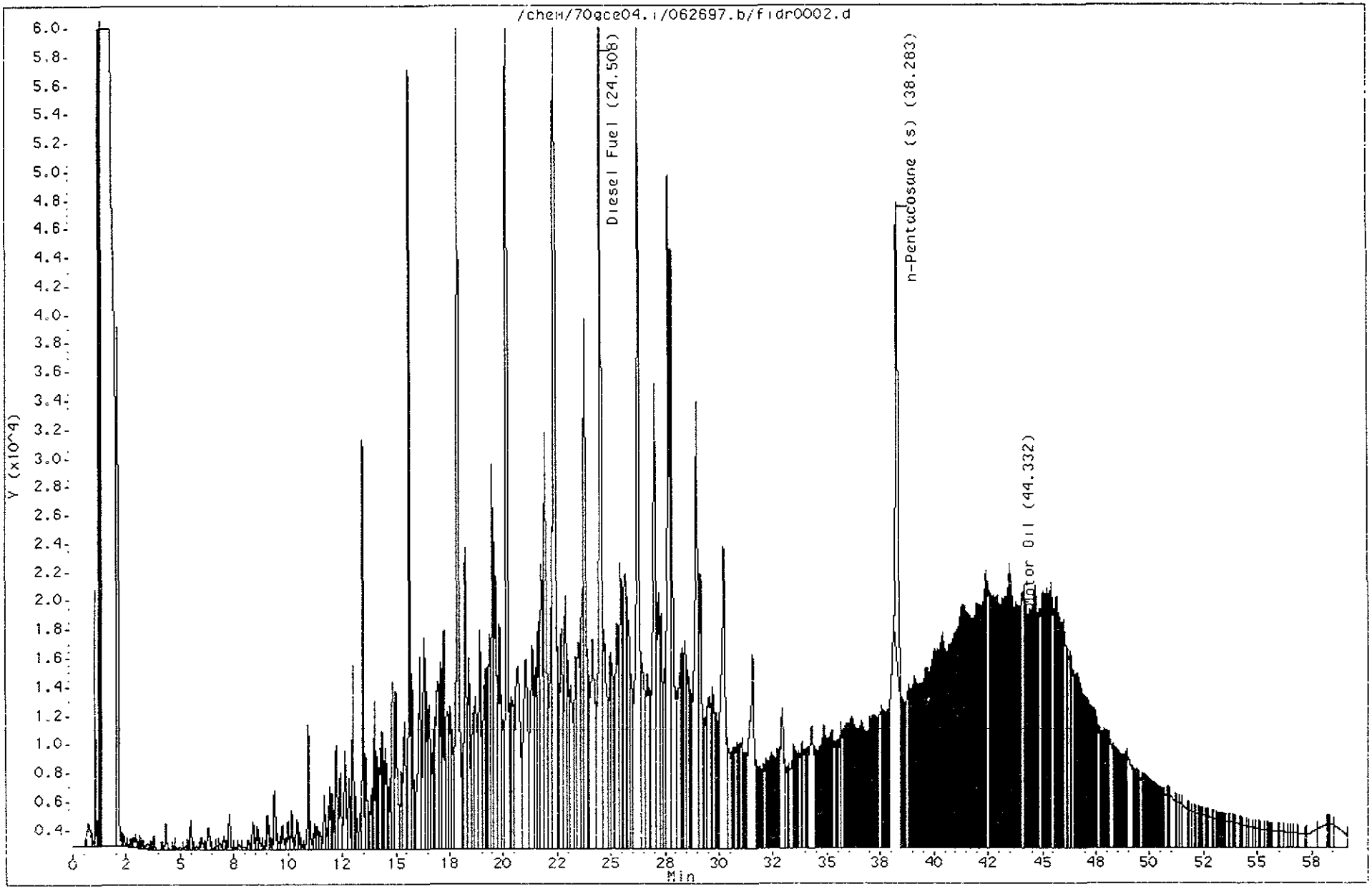
RECEIVED BY: Printed Name / Signature
Company / Date and Time

SEND RESULTS TO: Jim Schofland 1330 Broadway, Suite 1625, Oakland CA 94612 Fax 510/286-8889

Data File: /chem/70gce04.i/062697.b/fidr0002.d
Date : 26-JUN-1997 09:14
Client ID: SSTD2500
Lab Sample ID: SSTD2500D

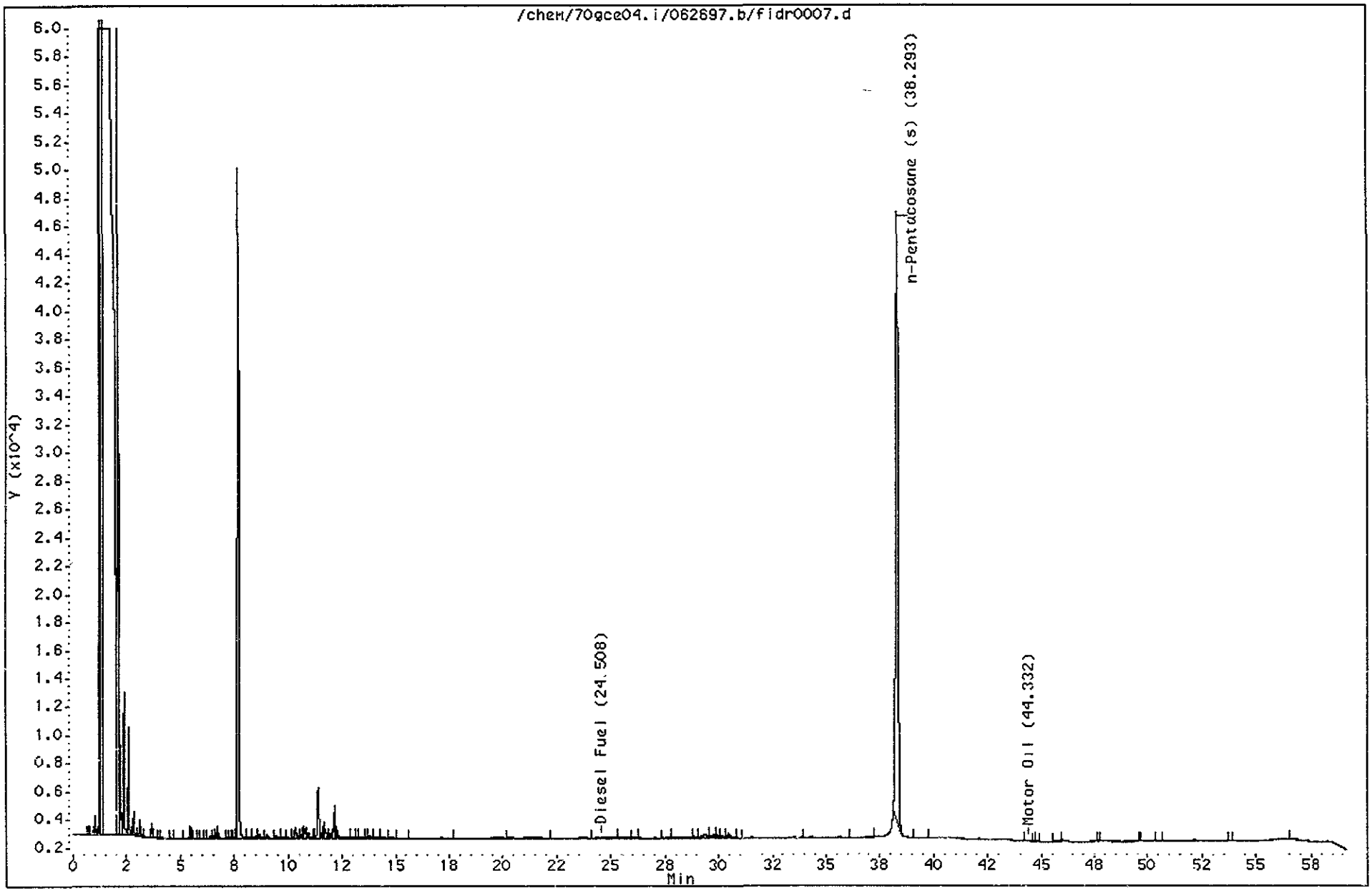
Column phase: J&W DB-1

Instrument: 70gce04.i
Misc Info: SSTD2500D,,,,,Dcal-97D
Operator: PAA
Column diameter: 0.53



Data File: /chem/70gce04.i/062697.b/fidr0007.d
Date : 26-JUN-1997 16:31
Client ID: SBLKF1
Lab Sample ID: 701010456
Volume Injected (uL): 1.0
Column phase: J&W DB-1

Instrument: 70gce04.i
Misc Info: 701010456,1,24515,,,
Operator: JMH
Column diameter: 0.53



Data File: /chem/70gce04.i/062697.b/fidr0008.d
Date : 26-JUN-1997 17:32
Client ID: MW-1
Lab Sample ID: 701008997
Volume Injected (uL): 1.0
Column phase: J&W DB-1

Instrument: 70gce04.i
Misc Info: 701008997,1,24515,,,
Operator: JMH
Column diameter: 0.53