ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
TOTAL DIESEL RANGE HYDROCARBONS
NWTPHD by GC/FID-Silica and Acid Cleaned
Page 1 of 1
Matrix: Soil

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012

Data Release Authorized:
Reported: 09/06/05

ARI ID	Sample ID	Extraction Date	Analysis Date	DL	Range	Result mg/kg
MB-090105	Method Blank	09/01/05	09/06/05	1.0	Diesel	< 5.0 U
05-15095	HC ID: ---		FID3A		Motor Oil	< 10 U
					o-Terphenyl	64.2%
IM19A	SP-1	09/01/05	09/04/05	1.0	Diesel	< 5.4 U
05-15095	HC ID: **RRO**		FID3A		**Motor Oil**	**12**
					o-Terphenyl	62.7%
IM19B	SP-2	09/01/05	09/04/05	1.0	Diesel	< 5.7 U
05-15096	HC ID: ---		FID3A		Motor Oil	< 12 U
					o-Terphenyl	57.6%
IM19C	SP-3	09/01/05	09/04/05	1.0	Diesel	< 5.4 U
05-15097	HC ID: **RRO**		FID3A		**Motor Oil**	**13**
					o-Terphenyl	64.4%
IM19D	SP-4	09/01/05	09/04/05	1.0	Diesel	< 5.4 U
05-15098	HC ID: **RRO**		FID3A		**Motor Oil**	**12**
					o-Terphenyl	68.7%

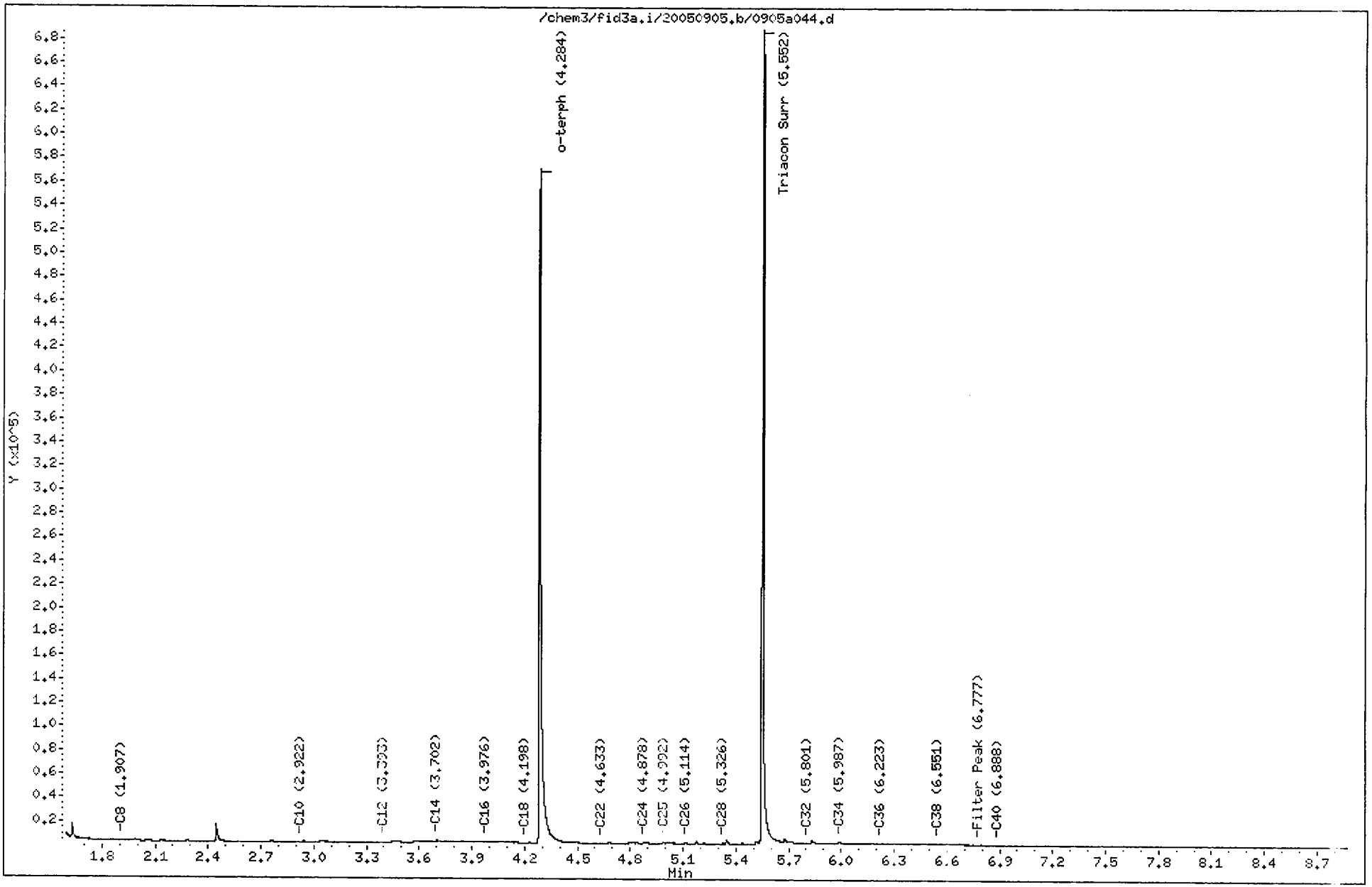
Diesel quantitation on total peaks in the range from C12 to C24.
Motor Oil quantitation on total peaks in the range from C24 to C38.
HC ID: DRO/RRO indicate results of organics or additional hydrocarbons in ranges are not identifiable.

Data File: /chem3/fid3a.i/20050905.b/0905a044.d
Date : 06-SEP-2005 06:00
Client ID:
Sample Info: IM19MBS1

Column phase: RTX-1

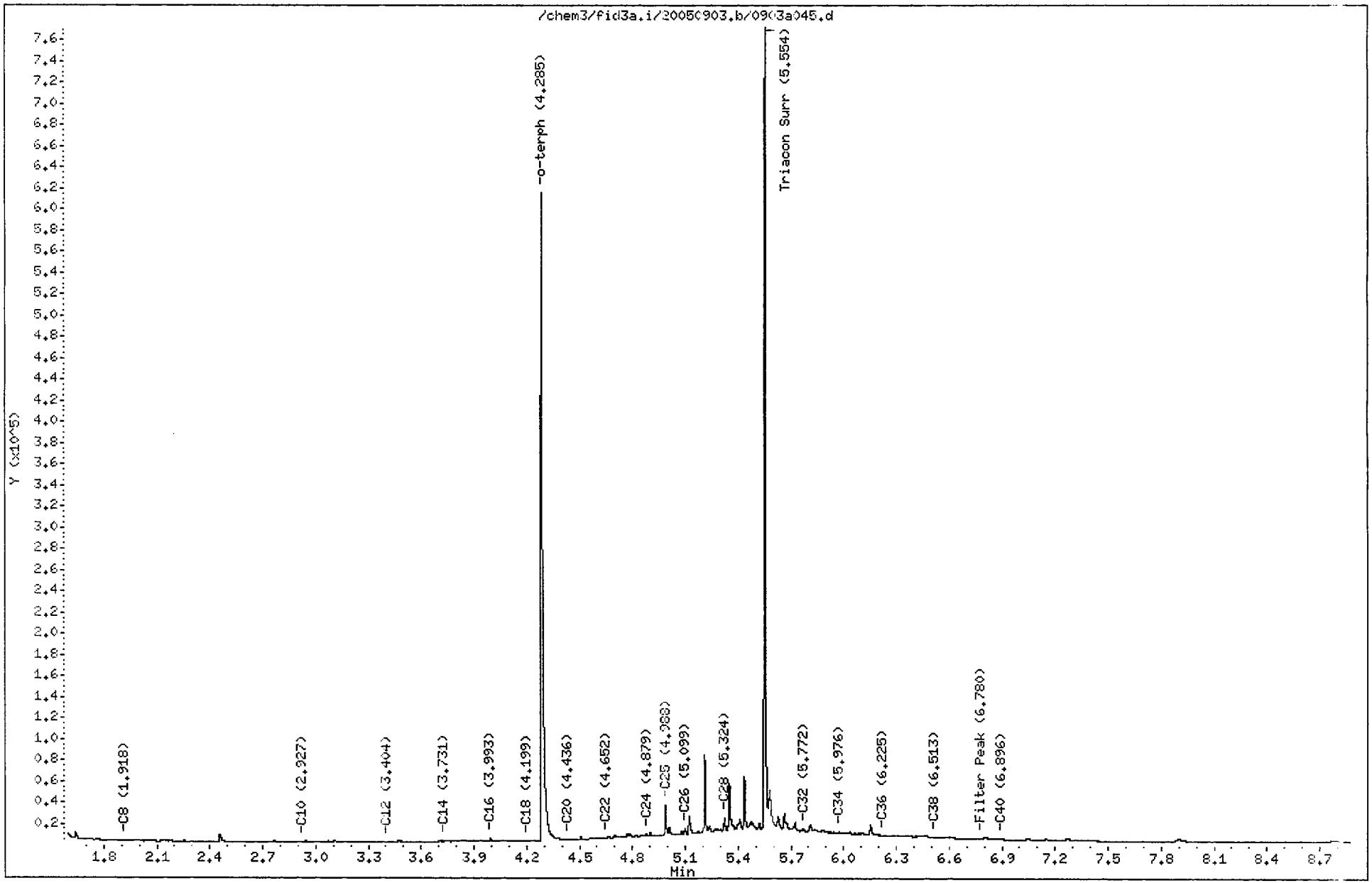
Instrument: fid3a.i

Operator: JR
Column diameter: 0.25



Data File: /chem3/fid3a.i/20050903.b/0903a045.d
Date : 04-SEP-2005 03:55
Client ID:
Sample Info: IM19A

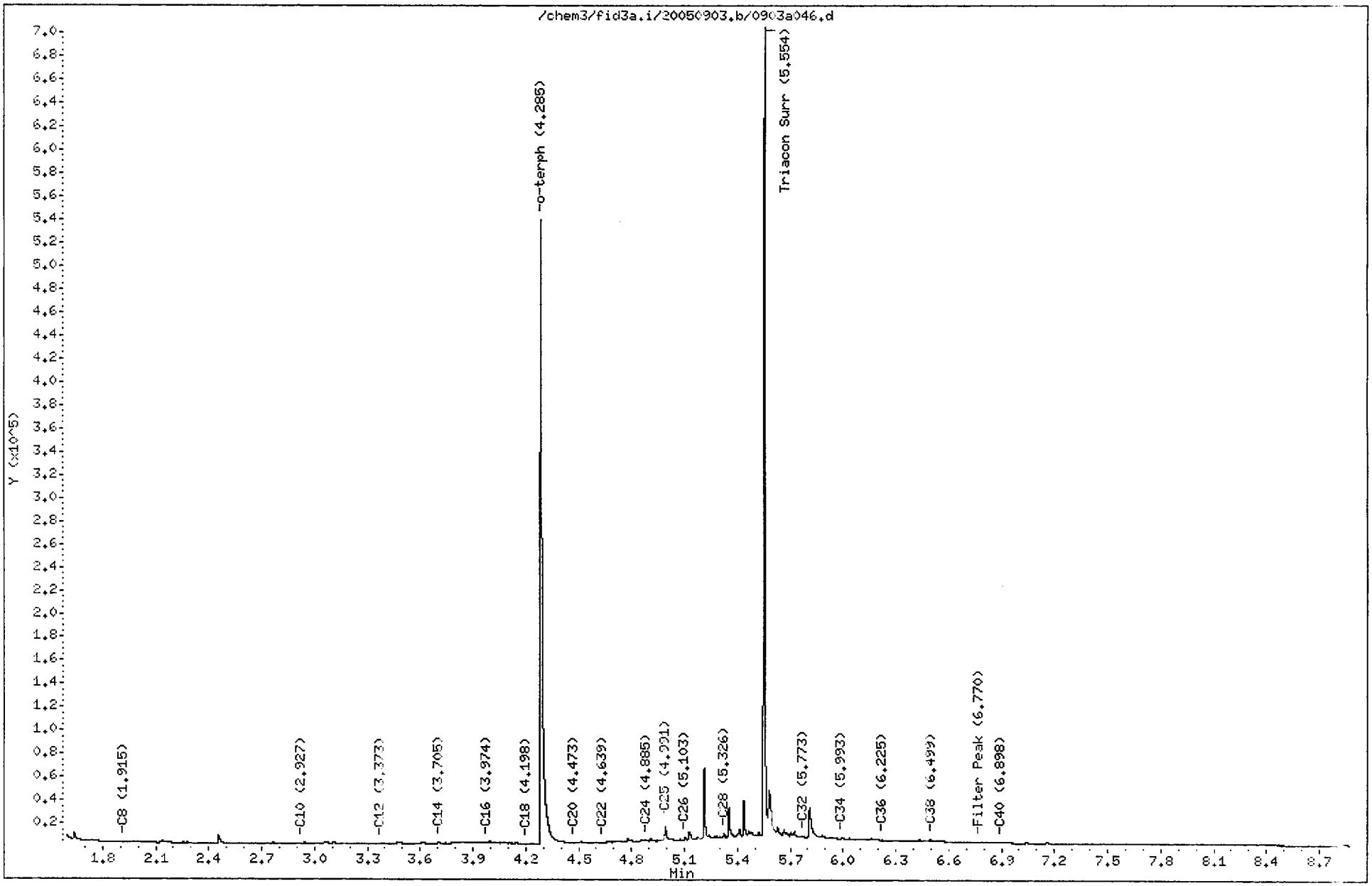
Instrument: fid3a.i
Operator: JR
Column phase: RTX-1
Column diameter: 0.25



Data File: /chem3/fid3a.i/20050903.b/0903a046.d
Date : 04-SEP-2005 04:11
Client ID:
Sample Info: IM19B

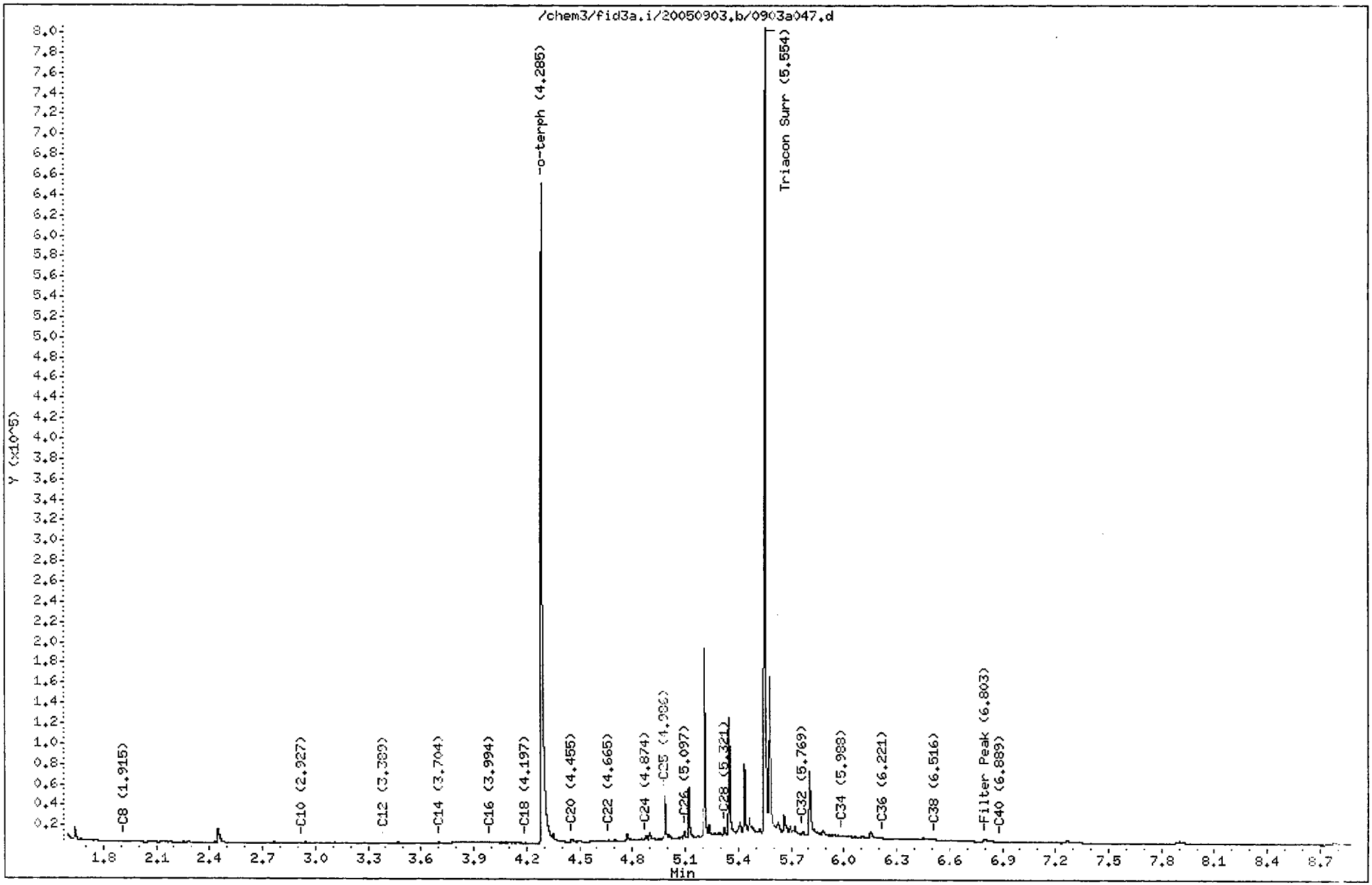
Instrument: fid3a.i

Operator: JR
Column phase: RTX-1
Column diameter: 0.25



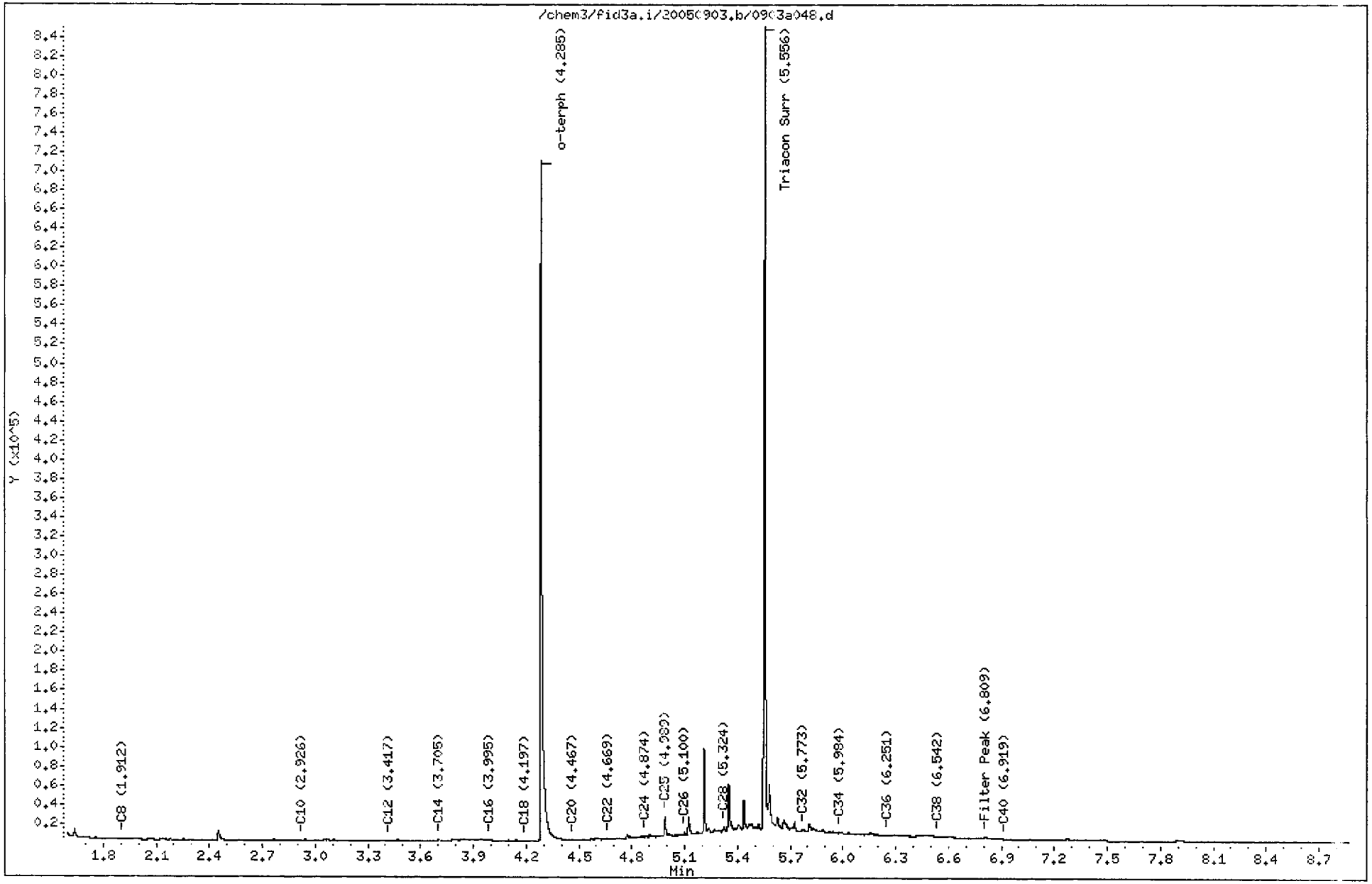
Data File: /chem3/fid3a.i/20050903.b/0903a047.d
Date : 04-SEP-2005 04:26
Client ID:
Sample Info: IM19C

Instrument: fid3a.i
Operator: JR
Column phase: RTX-1
Column diameter: 0.25



Data File: /chem3/fid3a.i/20050903.b/0903a048.d
Date : 04-SEP-2005 04:41
Client ID:
Sample Info: IM19D

Instrument: fid3a.i
Operator: JR
Column phase: RTX-1
Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

ORGANICS ANALYSIS DATA SHEET
NWTPHD by GC/FID-Silica and Acid Cleaned **Sample ID: LCS-090105**
Page 1 of 1 **LAB CONTROL**

Lab Sample ID: LCS-090105
LIMS ID: 05-15095
Matrix: Soil
Data Release Authorized:
Reported: 09/06/05

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012
Date Sampled: 08/31/05
Date Received: 08/31/05

Date Extracted: 09/01/05
Date Analyzed: 09/04/05 03:40
Instrument/Analyst: FID/JGR

Sample Amount: 10.0 g
Final Extract Volume: 1.0 mL
Dilution Factor: 1.0

Range	Lab Control	Spike Added	Recovery
Diesel	105	150	70.0%

TPHD Surrogate Recovery

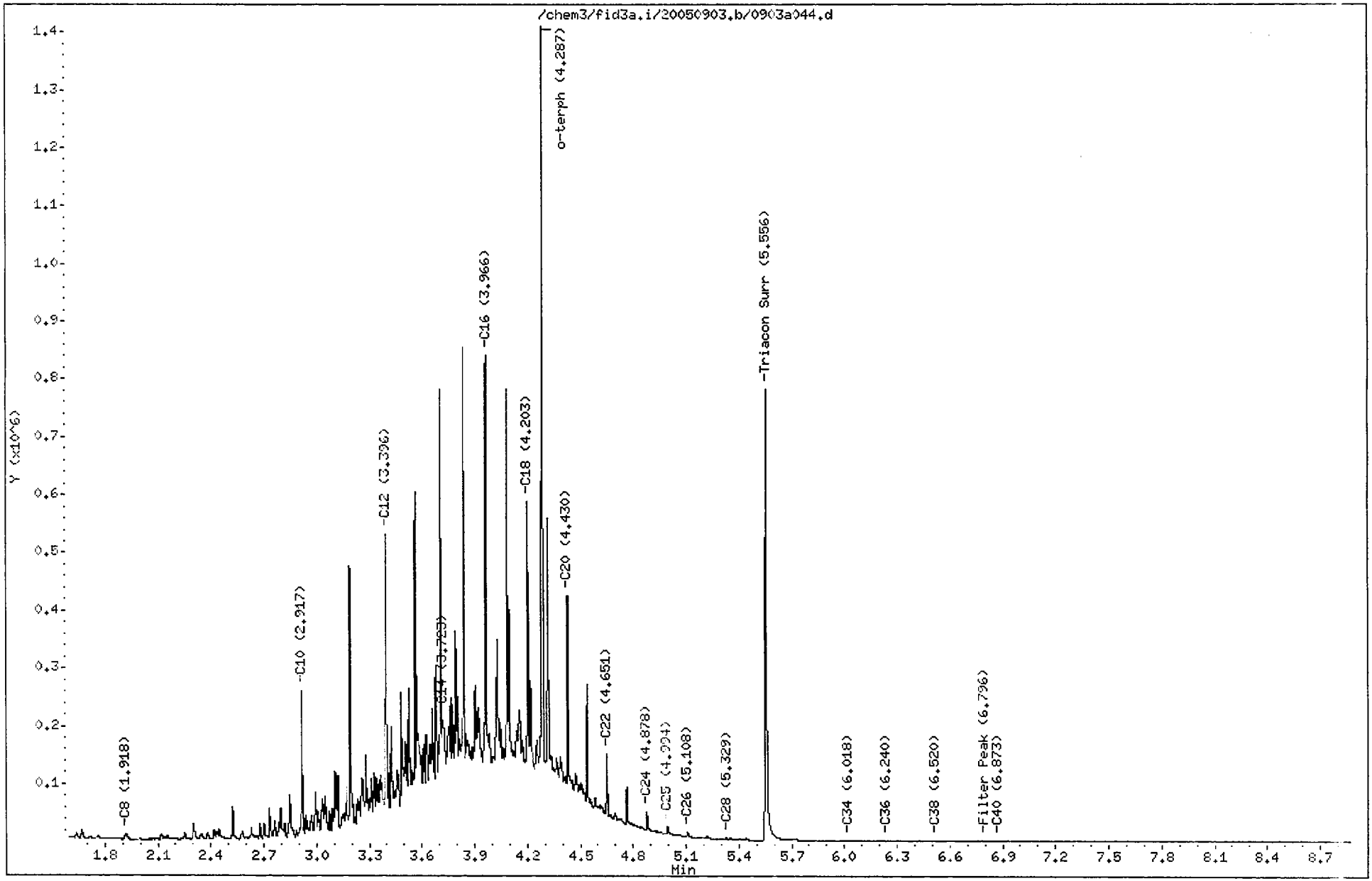
o-Terphenyl	68.4%

Results reported in mg/kg

Data File: /chem3/fid3a.i/20050903.b/0903a044.d
Date : 04-SEP-2005 03:40
Client ID:
Sample Info: IM19LCSS1

Instrument: fid3a.i

Operator: JR
Column phase: RTX-1
Column diameter: 0.25



ANALYTICAL RESOURCES INCORPORATED

CLEANED TPHD SURROGATE RECOVERY SUMMARY

Matrix: Soil

QC Report No: IM19-Landau Associates, Inc.
Project: Port of Anacortes
529012

Client ID	OTER	TOT OUT
MB-090105	64.2%	0
LCS-090105	68.4%	0
SP-1	62.7%	0
SP-2	57.6%	0
SP-3	64.4%	0
SP-4	68.7%	0

	LCS/MB LIMITS	QC LIMITS
(OTER) = o-Terphenyl	(60-129)	(48-119)

Prep Method: SW3550B
Log Number Range: 05-15095 to 05-15098

ANALYTICAL RESOURCES INCORPORATED

TOTAL DIESEL RANGE HYDROCARBONS-EXTRACTION REPORT

Matrix: Soil
Date Received: 08/31/05

ARI Job: IM19
Project: Port of Anacortes 529012

ARI ID	Client ID	Client Amt	Final Vol	Basis	Prep Date
05-15095-090105MB1	Method Blank	10.0 g	1.00 mL	-	09/01/05
05-15095-090105LCS1	Lab Control	10.0 g	1.00 mL	-	09/01/05
05-15095-IM19A	SP-1	9.19 g	1.00 mL	D	09/01/05
05-15096-IM19B	SP-2	8.71 g	1.00 mL	D	09/01/05
05-15097-IM19C	SP-3	9.22 g	1.00 mL	D	09/01/05
05-15098-IM19D	SP-4	9.19 g	1.00 mL	D	09/01/05

Basis: D=Dry Weight W=As Received