

Site Assessment Report

Heating oil UST Removal at the Travelodge Hotel 9200 Glacier Highway Juneau, Alaska

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Channel Construction removed the UST from the west side of the Travelodge, June 7, 2001.

Site Assessment

The Travelodge Hotel contracted Channel Construction to remove a 1,000-gallon underground storage tank (UST) containing heating oil (diesel) and Smith Bayliss LeResche Inc (SBL) to perform the site assessment during the tank removal. Channel Construction removed the steel UST from the site on June 7, 2001. We found the single-walled tank whole and in good condition. We did find heating oil contaminated soil around the vent pipe connections and this material continued beneath the UST at the vent end of the tank. We did not find free product or groundwater in the excavation to remove this UST.

Channel Construction removed about 50 cubic yards of diesel-contaminated soil from the tank excavation area on June 7, 2001. This material was stockpiled at the site, awaiting acceptance at United Soil Recycling's (USR) Juneau facility. Channel Construction hauled the contaminated soil to USR on June 12, 2001 for thermal remediation.

During both the tank excavation and contaminated soil removal, we used an HNU Systems Model PI-101 photoionization detector (PID) and the hot water sheen test for field screening purposes. After field screening showed reduced contaminant levels, we took samples for laboratory analysis. We sent all analytical samples to Analytical Resources Inc (ARI) in Seattle. ARI analyzed these samples for diesel range organics (DRO) by method AK102. Sample results are listed in the following table; sample locations and depths can be found on the attached site sketch.

Sample Results in ppm

Sample ID	Sample Depth	Diesel range organics
TL2-01*	10.5'	< 5.0
TL2-02*	10.5'	< 5.0
TL2-03	10.5'	680
TL2-04	12'	56
TL2-05	11'	< 5.0
TL2-06	8'	10
TL2-CZ**	Removed soils	1,700

Results in **boldface** exceed the ADEC matrix cleanup level of 200 ppm.


* Field duplicate samples

** This sample characterizes removed soils.

All quality control indicators are within range and all sample results are deemed valid.

Conclusions

A small quantity (less than five cubic yards) of contaminated soil remains from the tank excavation at the west side of the Travelodge Hotel. The remaining contamination is located in the dense blue silt; this would indicate that the contaminants remaining in place are minimal. Channel Construction was unable to remove this material without undermining the building's foundation. The contamination around this tank was localized and apparently not connected with the contaminated area located at the north side of the building. Channel Construction installed a new 2,000-gallon STIP3 UST in the same location.



Smith Bayliss LeResche Inc by
Jason Ginter
Environmental Chemist
26 July 2001

Removed
1,000 gallon
Steel tank

TL2-01
TL2-02 10.5' bgs

TL2-04
12' bgs

TL2-03
10.5' bgs

TL2-05
11' bgs

Vent
UST
Fill

TL2-06
8' bgs

50 cy
contaminated
soil removed

Sidewalk

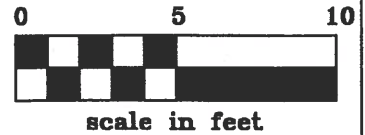
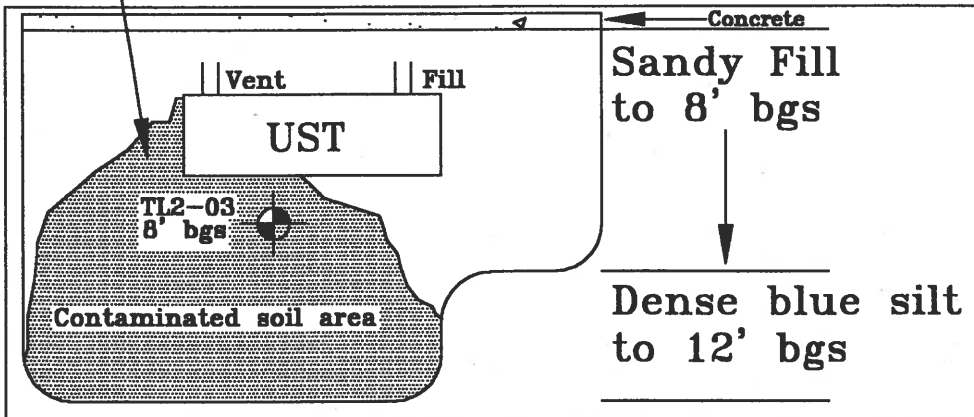
Travelodge Hotel

Sample ID	DRO
TL2-01*	<5.0
TL2-02*	<5.0
TL2-03	680
TL2-04	56
TL2-05	<5.0
TL2-06	10
TL2-CZ**	1,700

*Field duplicate sample
**Characterizes removed soils

60'

Section View



Site Sketch
UST removal at
Travelodge
June 7, 2001

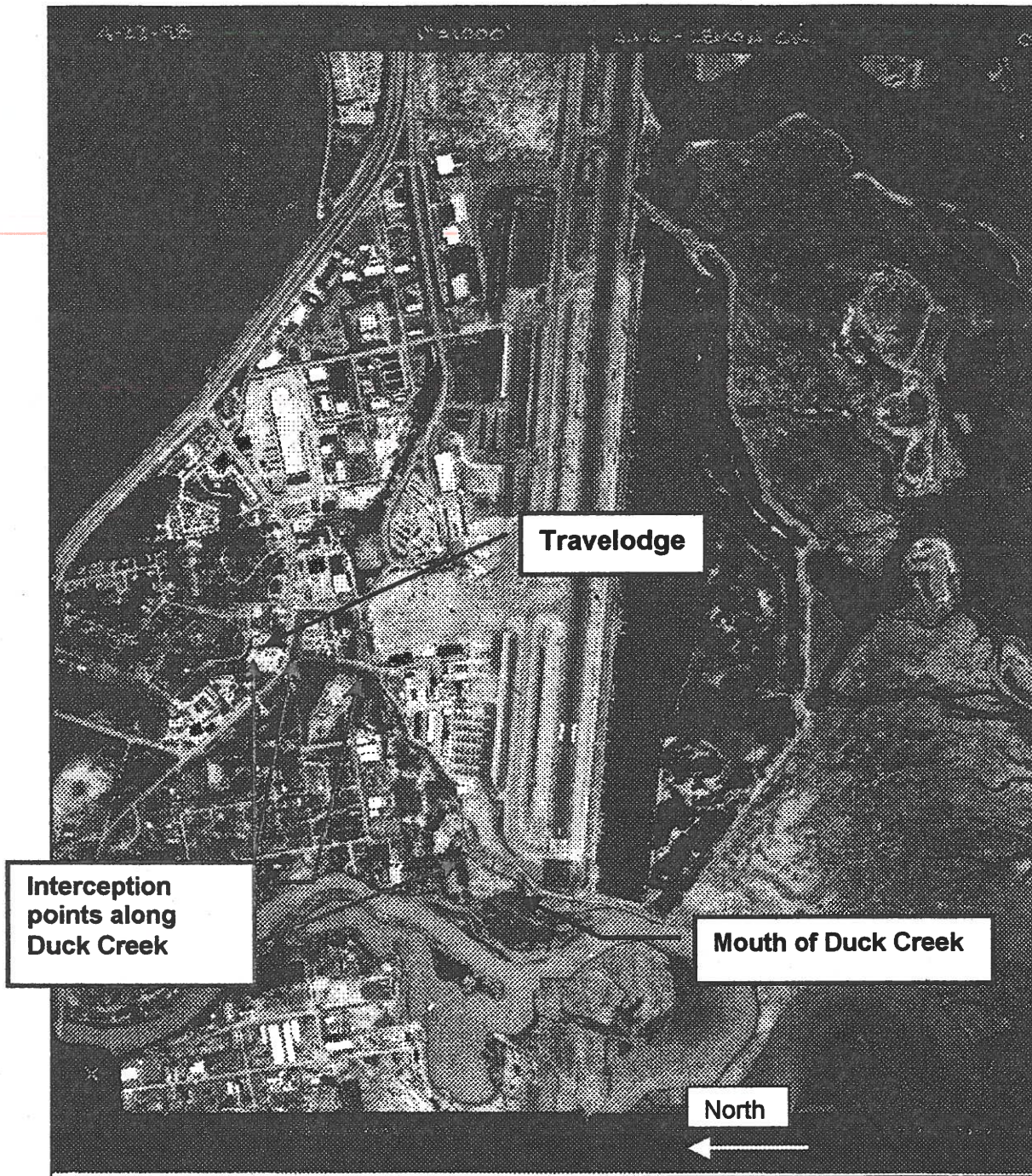
Smith Bayliss LeResche Inc
119 Seward St. #10
Juneau, AK 99801
907-586-6813

Client: Travelodge
Project: UST Removal



Blue silt at the bottom of the Travelodge excavation prevented the spread of diesel contamination to the water table.

Vicinity Map
Aerial photo showing the Travelodge Hotel and Duck Creek, Juneau, AK



Taken from R&M Engineering's 4/22/98 aerial photograph.



Analytical Resources, Incorporated
Analytical Chemists and Consultants

28 June 2001

Jason Ginter
Smith, Bayliss, LaResche
Suite 10
119 Seward St.
Juneau, AK 99801

RE: Client Project: Travelodge 2
ARI Project No: DF70

Dear Jason:

Please find enclosed a copy of the Chain-of-Custody record (COC) and the final results for the sample from the project referenced above. Analytical Resources, Inc. (ARI) accepted six soil samples on June 13, 2001, in good condition. There were no discrepancies between the COC and the sample containers' labels. The samples were analyzed for DRO as requested.

A matrix spike and matrix spike duplicate were performed on sample **TL2-02**. The relative percent difference (RPD) was high at 76.1% and the sample and its QC were re-extracted. The re-analysis showed a good RPD at 16.3%. Both sets of data have been reported because the re-extractions were done past the 14-day holding time.

No further analytical complications were noted for these analyses. A copy of these reports will be kept on file by ARI. Should you have any questions regarding these results, please feel free to call me at any time.

Sincerely,

ANALYTICAL RESOURCES, INC.

Mary Lou Fox
Project Manager
206/389-6155
marylou@arilabs.com

Enclosures

cc: file #DF70

MLF/mlf

Chain of Custody Record & Laboratory Analysis Request

ARI Client: Smith Bayless LeFebvre Phone#: 509 6413

Client Contact: Jas. Ginter

Client Project ID: Travelodge 2

Samplers: J. Ginter

Sample ID	Date	Time	Matx	No Cont	Lab ID
1 TL2-01	6-7-01	1410	5-1	1	
2 TL2-02	6-7-01	1412		1	
3 TL2-03	6-7-01	1418		1	
4 TL2-04	6-7-01	1425		1	
5 TL2-05	6-7-01	1429		1	
6 TL2-06	6-7-01	1432		1	
7 TL2-07	6-7-01	1450	5-1	1	

Date: 6-12-01
 Page 1 of 1
 Number of coolers: _____
 Cooler Temp: _____

Analysis Required	Notes/Comments
AK 102	
X	
X	
X	
X	
X	
X	
X	

ARI Project No:	Relinquished by: (Signature)	Relinquished by: (Signature)
T.A.T. Requested: <u>normal</u>	Printed Name: <u>Jas. Ginter</u>	Printed Name:
Comments/Special Instructions:	Company: <u>SBC inc</u>	Company:
	Date: <u>6-12-01</u> Time: <u>1633</u>	Date: _____ Time: _____
	Received by: (Signature) <u>E Joshi</u>	Received by: (Signature)
	Printed Name: <u>E Joshi</u>	Printed Name:
	Company: <u>ARI</u>	Company:
	Date: <u>6-13-01</u> Time: <u>840</u>	Date: _____ Time: _____

Analytical Resources, Incorporated
 Analytical Chemist and Consultants
 400 Ninth Avenue North
 Seattle, WA 98109-4708
 (206) 621-6490
 (206) 621-7523 (Fax)



Limits of Liability: ARI will perform all requested services in accordance with appropriate methodology following Standard Operating Procedures and our Quality Assurance Program. This program meets standards for the industry. The total liability of ARI, its officers, agents, employees, or successors, arising out of or in connection with the requested services, shall not exceed the invoiced amount for said services. The acceptance by the client of a proposal for services by ARI releases ARI from any liability in excess thereof, not withstanding any provision to the contrary in any contract, purchase order or co-signed agreement between ARI and the client.

**TOTAL DIESEL RANGE HYDROCARBONS
AK102 TPHD by GC/FID**

QC Report No: DF70-Smith Bayliss LeResche Inc.
Project: Travelodge 2

Matrix: Soil

Data Release Authorized: *CH*
Reported: 06/27/01 *9/27/01*

Date Received: 06/13/01

Lab ID	Client Sample ID	Date Extracted	Date Analyzed	Dilution Factor	Diesel Range Hydrocarbons	*Diesel ID	Surr Recovery
DF70-0614MB	Method Blank	06/14/01	06/18/01	1:1	5.0 U	--	85.0%
01-9788-DF70A	TL2-01	06/14/01	06/18/01	1:1	5.0 U	--	64.0%
01-9788-DF70ALD	TL2-01	06/14/01	06/18/01	1:1	5.0 U	--	68.0%
01-9789-DF70B	TL2-02	06/14/01	06/18/01	1:1	5.0 U	--	64.0%
01-9790-DF70C	TL2-03	06/14/01	06/18/01	1:1	680 E	YES	64.0%
01-9790-DF70CDL	TL2-03	06/14/01	06/18/01	1:10	660	YES	90.0%
01-9791-DF70D	TL2-04	06/14/01	06/18/01	1:1	56	YES	58.0%
01-9792-DF70E	TL2-05	06/14/01	06/18/01	1:1	5.0 U	--	68.0%
01-9793-DF70F	TL2-06	06/14/01	06/18/01	1:1	10	YES	57.0%
01-9794-DF70G	TL2-CZ	06/14/01	06/18/01	1:1	1700 E	YES	NR
01-9794-DF70GDL	TL2-CZ	06/14/01	06/18/01	1:20	1700	YES	D
DF70-0620MB	Method Blank	06/20/01	06/23/01	1:1	5.0 U	--	92.0%
01-10747-DF70B	TL2-02	06/20/01	06/23/01	1:1	5.0 U	--	54.0%

Values reported in ppm (mg/kg) on a dry weight basis.

Surrogate is o-Terphenyl.

* In the opinion of the analyst, was there a pattern match for diesel (YES or NO).
Diesel quantitation on total peaks in the range from C10 to C25.

Data Qualifiers

- U Compound not detected at the given detection limit.
- J Indicates an estimated value below the calculated detection limit.
- S No value reported due to saturation of the detector. Dilution required.
- D Indicates the surrogate was not detected because of dilution of the extract.
- E Indicates a value above the linear range of the detector. Dilution required.
- NR Indicates no recovery due to matrix interference.
- B Indicates compound also detected in the method blank.

GSA
6/19/01
CIT
9/27/01

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a020.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/19/2001
Macro: FID:3A061401

ARI ID: DF65 MBS 6/14
Client ID:
Injection: 18-JUN-2001 16:16

Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

Method Blank

FID:3A RESULTS

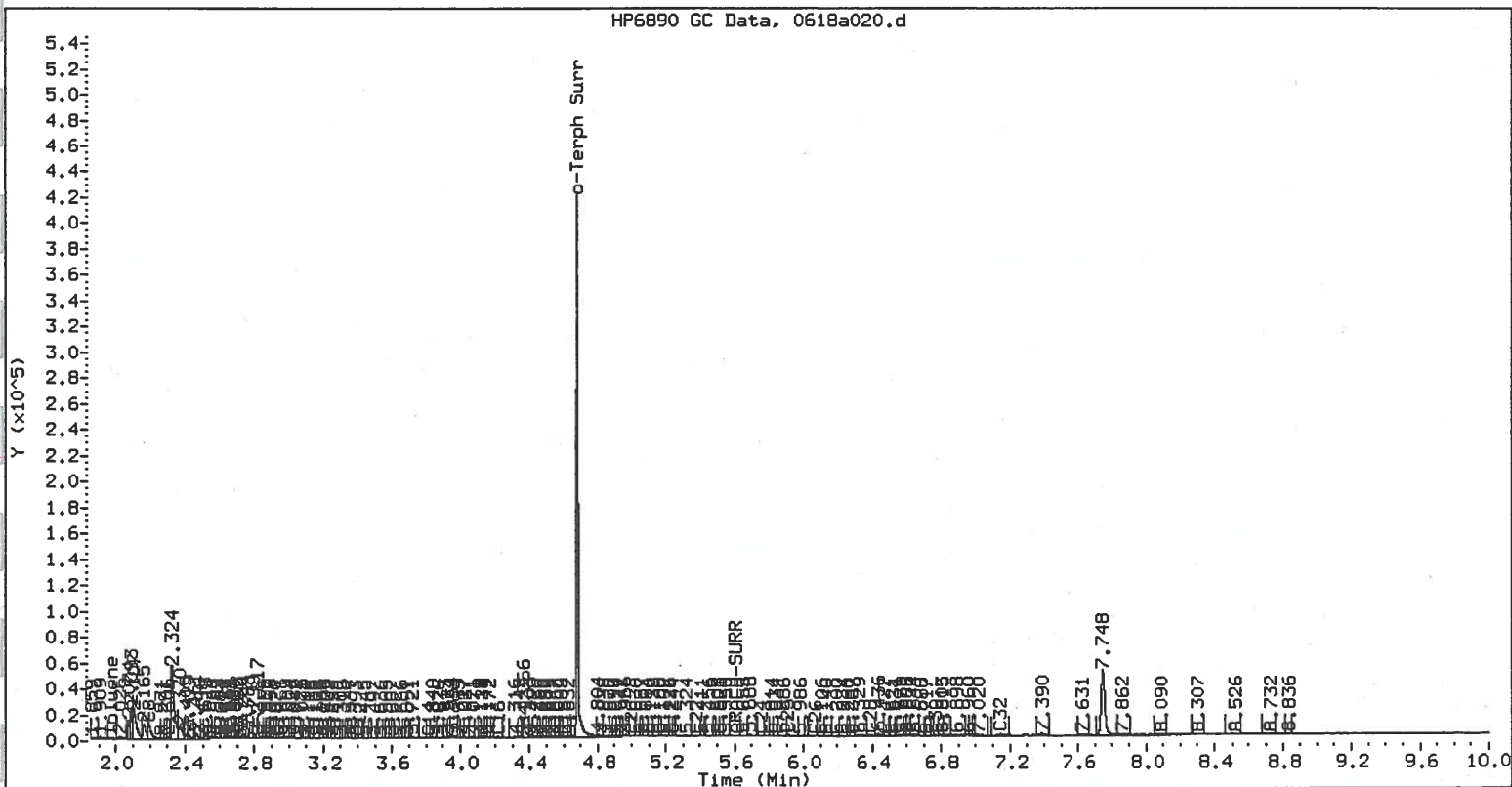
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.975	0.025	725	57483	GAS (Tol-C12)	11418184	37
C8	2.194	-0.031	11841	721101	DIESEL (C12-C24)	2612608	4
C10	2.936	0.003	772	28200	M.OIL (C24-C38)	5079729	8
C12	3.415	0.005	306	17532	AK-102 (C10-C25)	3430584	4
C14	3.819	-0.010	237	11210	AK-103 (C25-C38)	5079729	8
C16	4.220	0.003	592	30219			
C18	4.610	0.002	626	33133			
o-Terph Surr	4.684	0.000	413599	12110889			
C20	4.997	0.000	830	61339			
C22	5.379	0.006	436	47451			
ARACH-SURR	5.609	-0.015	405	45051			
C24	5.755	0.025	294	27492			
C25	5.913	0.011	660	64027			
C26	6.074	0.002	168	23552			
C28	6.395	-0.015	559	51318			
C30	6.771	0.013	207	18575			
C32	7.146	0.031	1062	84135			
C34	----						
C36	----						
C38	----						
C40	----						

Me-Arach Surrogate Rec = 0%
o-Terphenyl Surrogate Rec = 85%

FID:3A/RTX-1 DF65 MBS 6/14

FID:3A SIGNAL

NO



Analytical Resources Inc.
TPH Quantitation Report

GSA
6/18/01

C/X

4/17/01

Data file: /chem2/fid3a.i/18jun01.b/0618a006.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA

ARI ID: DF70 A
Client ID:
Injection: 18-JUN-2001 11:10

Report Date: 06/18/2001

Dilution Factor: 1

Macro: FID:3A061401

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-01

FID:3A RESULTS

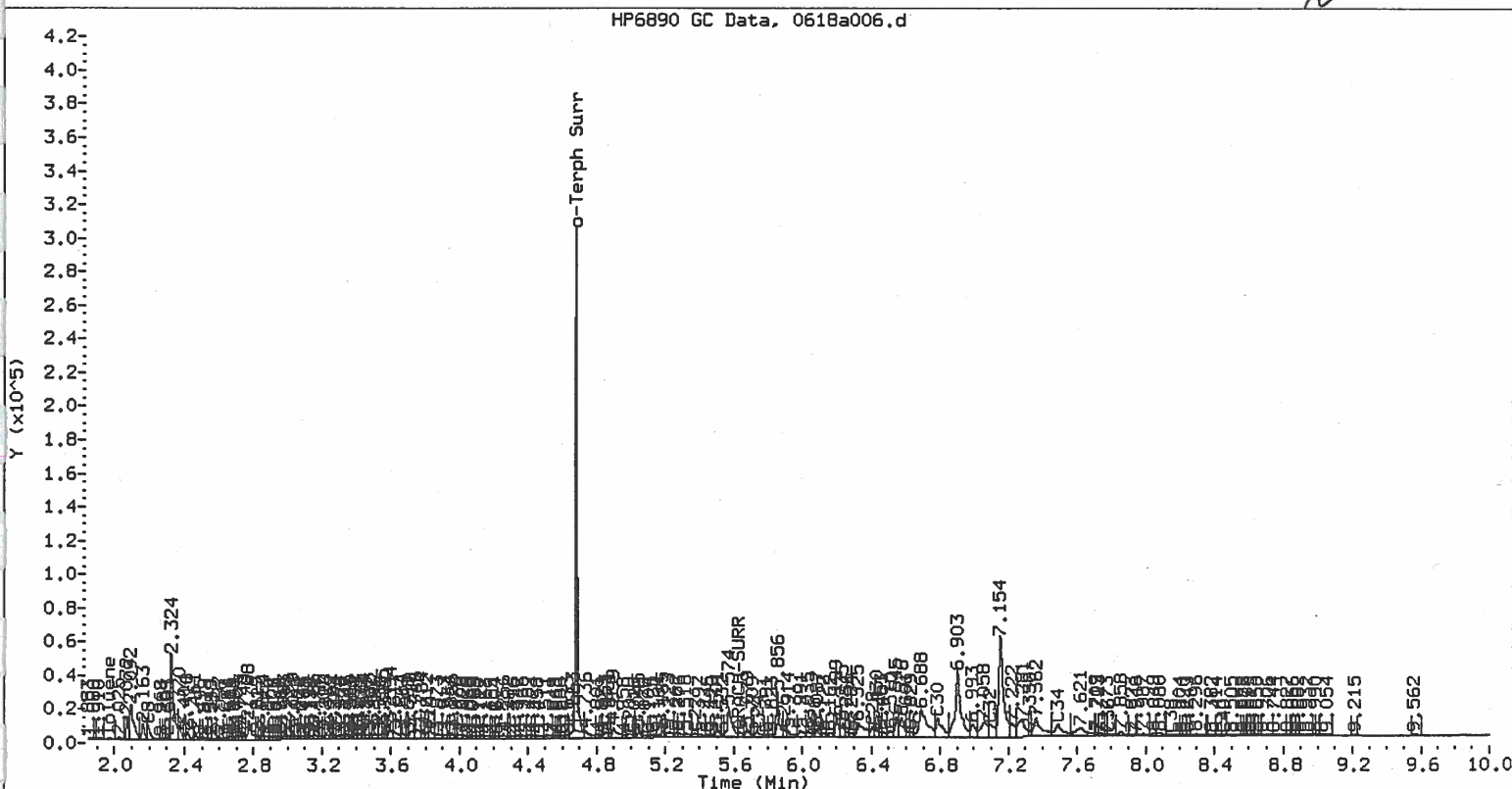
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.971	0.020	859	64076	GAS (Tol-C12)	12944155	42
C8	2.194	-0.031	8141	480472	DIESEL (C12-C24)	16262101	24
C10	2.934	0.001	1714	58212	M.OIL (C24-C38)	35618836	59
C12	3.415	0.004	3416	157109	AK-102 (C10-C25)	19823437	25
C14	3.827	-0.002	4646	440652	AK-103 (C25-C38)	35618836	59
C16	4.216	-0.001	1409	65105			
C18	4.604	-0.005	1579	112403			
o-Terph Surr	4.683	-0.001	300188	9063653			
C20	4.994	-0.004	2119	226087			
C22	5.373	-0.001	2293	184488			
ARACH-SURR	5.634	0.009	3004	290204			
C24	5.740	0.009	4151	384348			
C25	5.897	-0.005	4465	206709			
C26	6.068	-0.004	2678	146179			
C28	6.407	-0.003	5804	393719			
C30	6.786	0.028	10938	1415613			
C32	7.094	-0.021	7400	849522			
C34	7.489	0.022	7160	1135730			
C36	7.782	-0.029	1262	166062			
C38	8.149	0.008	833	169085			
C40	8.461	0.000	437	35928			

Me-Arach Surrogate Rec = 2%
o-Terphenyl Surrogate Rec = 64%

FID:3A/RTX-1 DF70 A

FID:3A SIGNAL

NO



GSA
6/18/01

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a007.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA

ARI ID: DF70 A dup
Client ID:
Injection: 18-JUN-2001 11:31

Report Date: 06/18/2001
Macro: FID:3A061401

Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-01 duplicate

FID:3A RESULTS

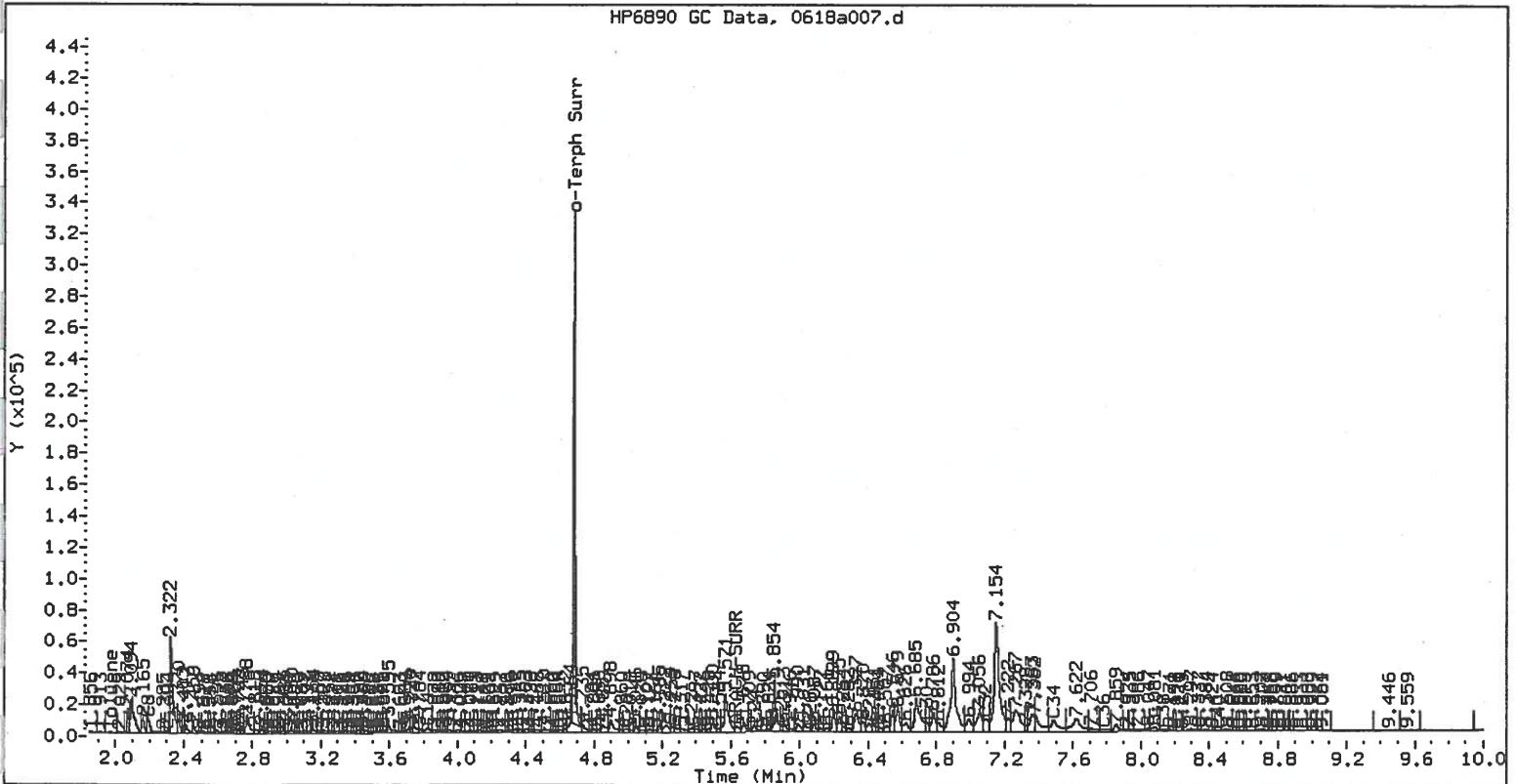
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.974	0.024	930	70270	GAS (Tol-C12)	12610217	41
C8	2.195	-0.030	9025	522125	DIESEL (C12-C24)	15971580	24
C10	2.934	0.002	1619	60616	M.OIL (C24-C38)	41497285	69
C12	3.417	0.006	2055	121074	AK-102 (C10-C25)	18524895	24
C14	3.826	-0.003	3645	379598	AK-103 (C25-C38)	41497285	69
C16	4.217	0.000	1437	56743			
C18	4.605	-0.003	1875	140166			
o-Terph Surr	4.683	0.000	326343	9632314			
C20	4.995	-0.003	2552	235683			
C22	5.375	0.001	2708	225061			
ARACH-SURR	5.634	0.009	3474	345901			
C24	5.739	0.009	4728	436503			
C25	5.899	-0.003	4507	202990			
C26	6.067	-0.005	2663	91153			
C28	6.407	-0.003	5442	404340			
C30	6.744	-0.014	6251	434676			
C32	7.094	-0.020	8020	714963			
C34	7.487	0.020	7268	1079741			
C36	7.780	-0.031	1393	240586			
C38	8.137	-0.004	938	131195			
C40	8.462	0.001	523	52983			

Me-Arach Surrogate Rec = 3%
o-Terphenyl Surrogate Rec = 68%

FID:3A/RTX-1 DF70 A dup

FID:3A SIGNAL

NO



Analytical Resources Inc.
TPH Quantitation Report

GSA
6/25/01

Data file: /chem2/fid3b.i/22jun01.b/0622b026.d
Method: /chem2/fid3b.i/22jun01.b/tphfid3b.m
Instrument: fid3b.i
Operator: GSA
Report Date: 06/25/2001
Macro: FID:3B062201

ARI ID: DF70 B2
Client ID:
Injection: 23-JUN-2001 05:45
Dilution Factor: 1

CH
4/17/01

Calibration Dates: Gas:05/04/01 Diesel:06/22/01 M.Oil:06/22/01
AK102:06/22/01 AK103:06/22/01

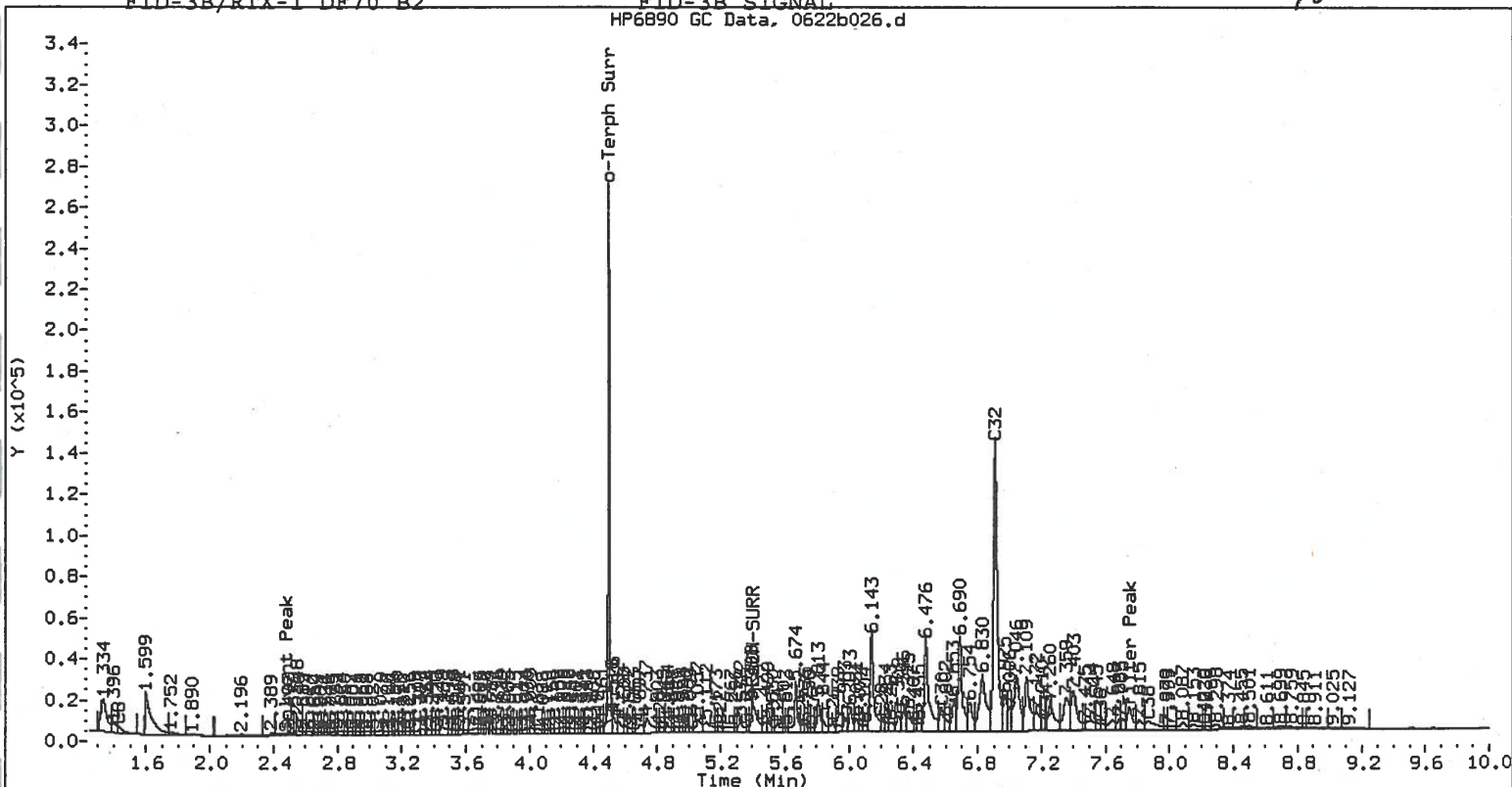
TL2-02

Tazz-1B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	11065293	37
C8	1.432	-0.010	3215	304711	DIESEL (C12-C24)	21301440	32
Solvent Peak	2.478	0.003	859	167354	M.OIL (C24-C38)	66507642	98
C10	2.689	0.003	1811	116886	AK-102 (C10-C25)	27348273	35
C12	3.238	0.005	2003	180515	AK-103 (C25-C38)	64052894	98
C14	3.669	0.003	3346	502162			
C16	4.058	-0.001	2721	307108			
C18	4.435	-0.002	3273	219618			
o-Terph Surr	4.500	-0.002	261730	7085721			
C20	4.820	-0.001	3131	255061			
C22	5.196	0.000	2863	227713			
ARACH-SURR	5.401	-0.014	1211	14410			
C24	5.562	0.009	4178	466851			
C25	5.717	-0.007	4206	281816			
C26	5.905	0.013	4567	483972			
C28	6.211	-0.011	6348	436005			
C30	6.576	0.023	11533	1020435			
C32	6.909	0.012	142391	12249465			
C34	7.231	-0.012	5960	163137			
Filter Peak	7.752	0.006	11076	1329199	Me-Arach Surrogate Rec = 0% (14410)		
C36	7.575	-0.006	3229	273964	o-Terph Surrogate Rec = 54% (7085721)		
C38	7.871	-0.041	4194	981189			
C40	8.228	-0.003	1294	7723			

FID-3B/RTX-1 DF70 B2

FID-3B SIGNAL
HP6890 GC Data, 0622b026.d



NO

Analytical Resources Inc.
TPH Quantitation Report

107
952
6/18/01

Data file: /chem2/fid3a.i/18jun01.b/0618a011.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/18/2001

ARI ID: DF70 C
Client ID:
Injection: 18-JUN-2001 12:53
Dilution Factor: 1

CIT
9/17/01

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

FID:3A RESULTS

TL2-03

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.961	0.011	904	59215	GAS (Tol-C12)	195032285	635
C8	2.192	-0.033	6550	428706	DIESEL (C12-C24)	3896053520	5764
C10	2.934	0.002	50002	2732183	M.OIL (C24-C38)	54500838	90
C12	3.418	0.007	932052	30768946	AK-102 (C10-C25)	4077346734	5238
C14	3.822	-0.007	861969	47276144	AK-103 (C25-C38)	54500838	90
C16	4.239	0.022	2559665	242085877			
C18	4.600	-0.008	742777	19160554			
o-Terph Surr	4.702	0.018	321270	9037983			
C20	5.014	0.017	1084127	74288795			
C22	5.381	0.008	427466	29490453			
ARACH-SURR	5.625	0.001	71477	8257175			
C24	5.732	0.002	124355	11120940			
C25	5.903	0.001	64103	6200189			
C26	6.072	-0.001	32125	3008971			
C28	6.409	-0.001	10383	803272			
C30	6.753	-0.005	4318	371196			
C32	7.090	-0.025	4463	460131			
C34	7.467	-0.001	1847	245876			
C36	7.811	0.000	808	21170			
C38	---	---	---	---			
C40	8.458	-0.003	317	17351			

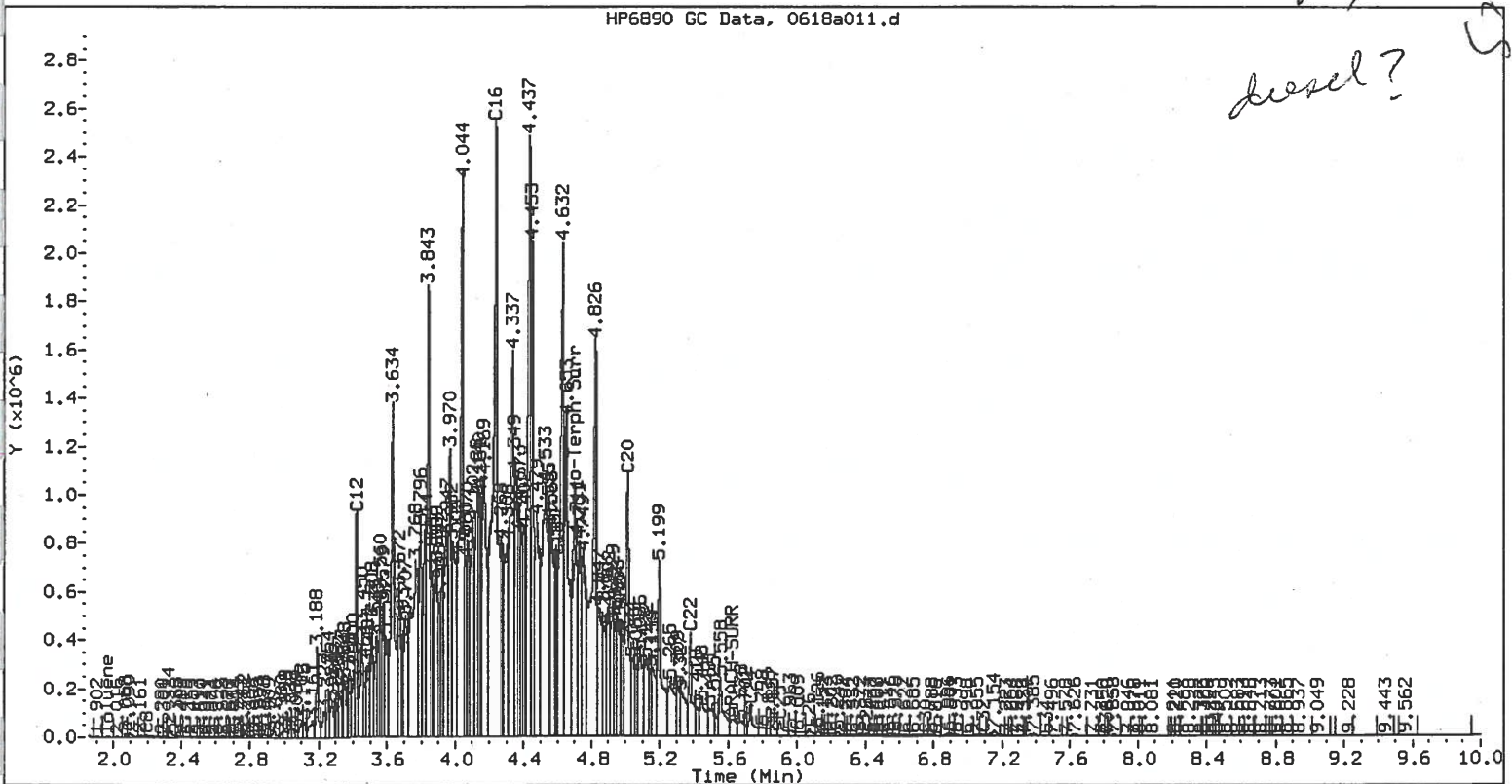
Me-Arach Surrogate Rec = 67%
o-Terphenyl Surrogate Rec = 64%

12/2/01
 GSA
 Not used need all stars

FID:3A/RTX-1 DF70 C

FID:3A SIGNAL

YES



diesel?

GSA
6/19/01

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a018.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/19/2001
Macro: FID:3A061401

ARI ID: DF70 C 10x
Client ID:
Injection: 18-JUN-2001 15:34

Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-03 dilution

FID:3A RESULTS

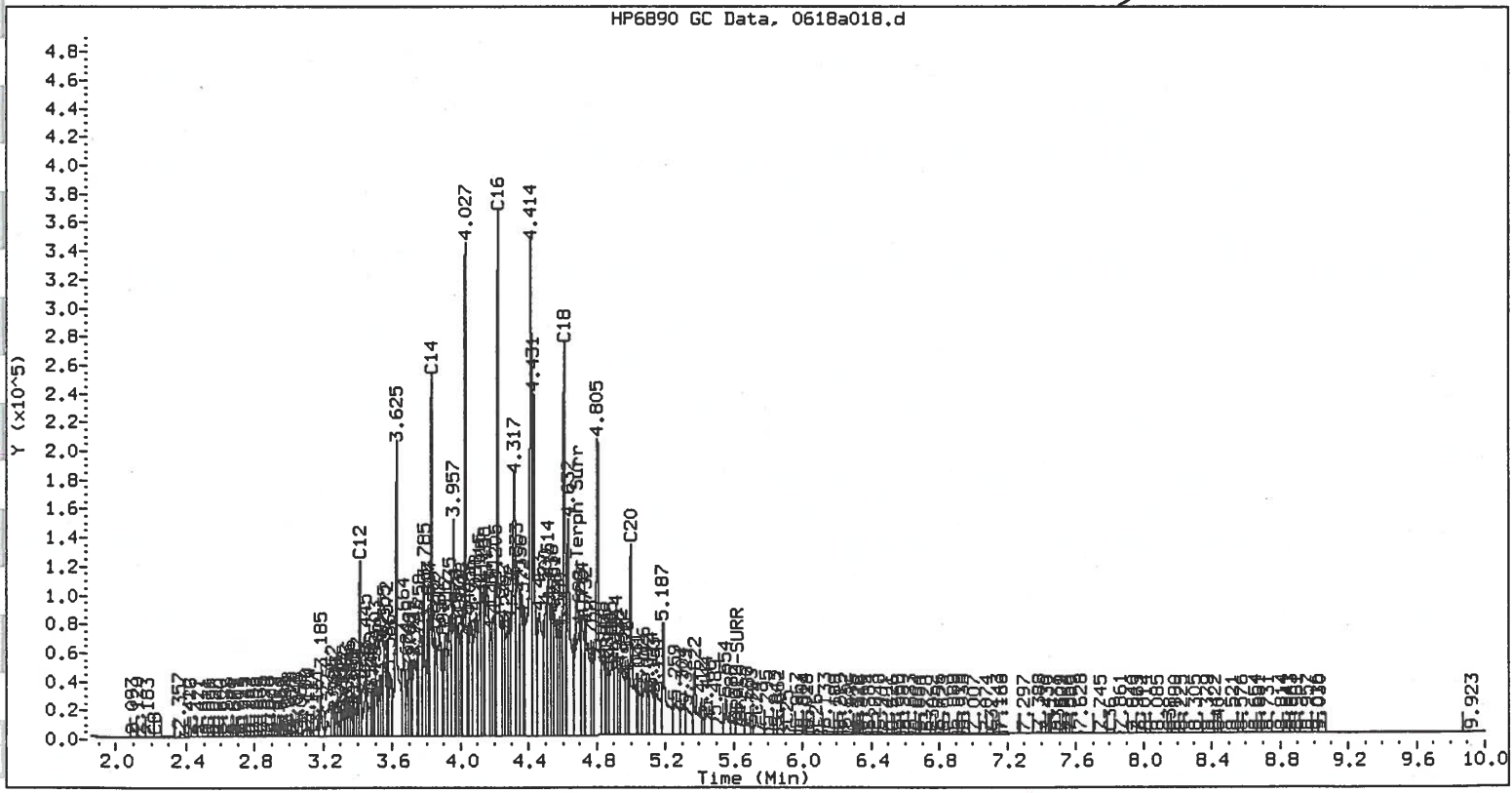
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	18963432	62
C8	2.218	-0.007	691	38699	DIESEL (C12-C24)	380508628	563
C10	2.934	0.002	6192	166723	M.OIL (C24-C38)	7875539	13
C12	3.411	0.001	121365	2777648	AK-102 (C10-C25)	398232118	512
C14	3.830	0.001	253041	8420989	AK-103 (C25-C38)	7875539	13
C16	4.219	0.002	365175	14860984			
C18	4.609	0.001	276305	11365882			
o-Terph Surr	4.683	0.000	39701	1248323			
C20	4.998	0.000	132284	7683792			
C22	5.372	-0.001	43597	3113934			
ARACH-SURR	5.623	-0.001	1066	39612			
C24	5.732	0.001	12179	1241910			
C25	5.907	0.005	6571	733122			
C26	6.080	0.007	3341	360202			
C28	6.422	0.013	1884	148107			
C30	6.764	0.006	945	85597			
C32	7.106	-0.009	717	62297			
C34	7.495	0.027	427	64591			
C36	7.805	-0.005	281	34180			
C38	8.157	0.016	207	13546			
C40	8.444	-0.017	174	11786			

Me-Arach Surrogate Rec = 0%
o-Terphenyl Surrogate Rec = 9%

FID:3A/RTX-1 DF70 C 10x

FID:3A SIGNAL

DIESEL



Analytical Resources Inc.
TPH Quantitation Report

GSA
6/18/01

CK
4/17/01

Data file: /chem2/fid3a.i/18jun01.b/0618a012.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/18/2001
Macro: FID:3A061401

ARI ID: DF70 D
Client ID:
Injection: 18-JUN-2001 13:14
Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-04

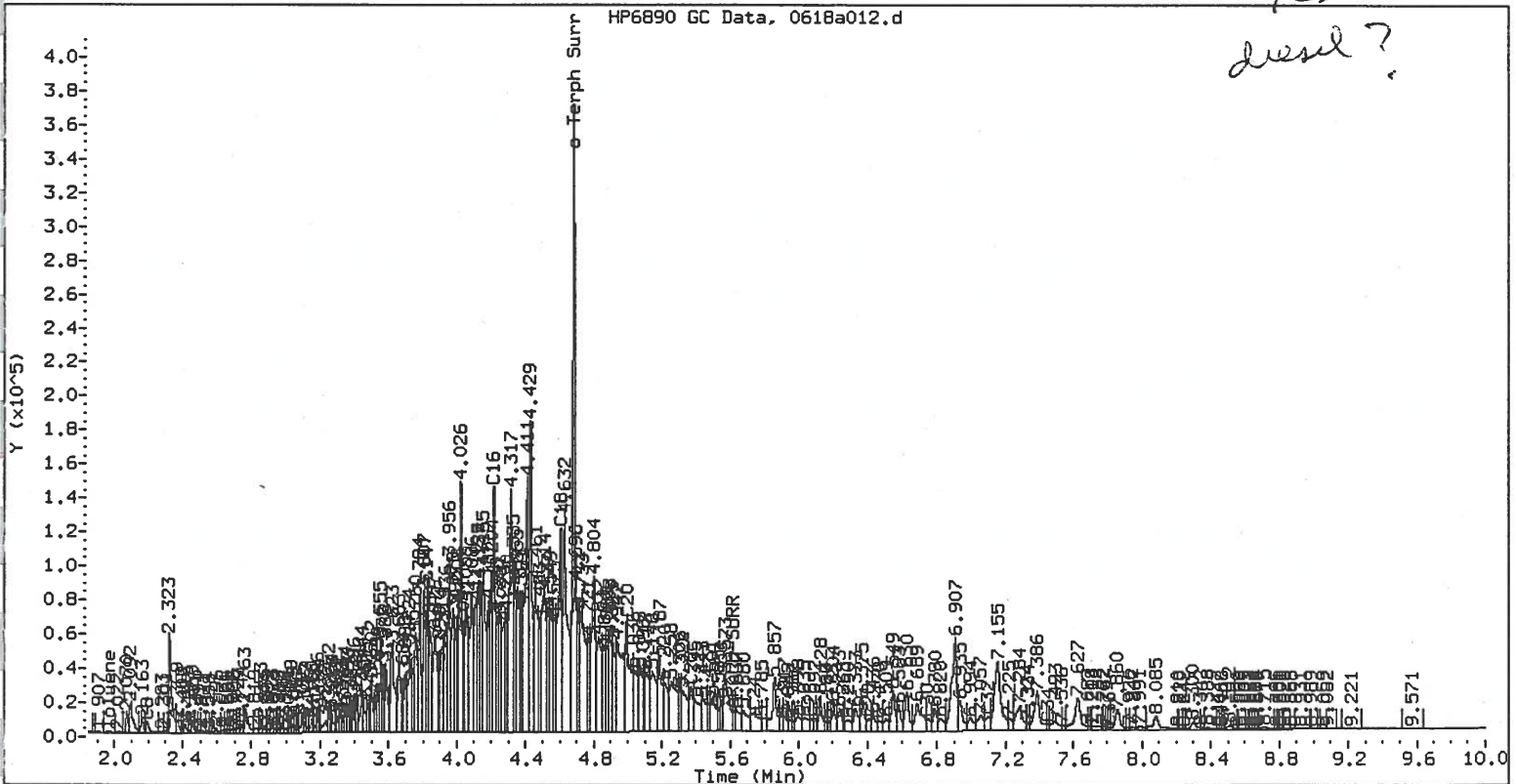
FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.966	0.016	1040	76219	GAS (Tol-C12)	20890580	68
C8	2.193	-0.032	6667	441473	DIESEL (C12-C24)	321742297	476
C10	2.934	0.002	2642	83718	M.OIL (C24-C38)	56639684	94
C12	3.412	0.001	25495	811250	AK-102 (C10-C25)	332780234	428
C14	3.829	0.000	88519	2956753	AK-103 (C25-C38)	56639684	94
C16	4.218	0.000	144632	5829664			
C18	4.607	-0.001	119513	9169919			
o-Terph Surr	4.685	0.002	294538	8203589			
C20	4.997	0.000	66486	6286022			
C22	5.373	-0.001	26598	2007537			
ARACH-SURR	5.619	-0.006	12211	652778			
C24	5.739	0.008	10793	1773394			
C25	5.903	0.001	11007	635608			
C26	6.072	0.000	7315	410786			
C28	6.413	0.003	7124	503152			
C30	6.750	-0.008	7060	530082			
C32	7.102	-0.012	8169	735225			
C34	7.454	-0.013	3641	164834			
C36	7.810	-0.001	1800	90146			
C38	-----						
C40	8.461	0.001	621	27975			

Me-Arach Surrogate Rec = 5%
o-Terphenyl Surrogate Rec = 58%

FID:3A/RTX-1 DF70 D

FID:3A SIGNAL



YES
diesel?

Analytical Resources Inc.
TPH Quantitation Report

GSA
6/18/01

CA
4/17/02
TL2-05

Data file: /chem2/fid3a.i/18jun01.b/0618a013.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA

ARI ID: DF70 E
Client ID:
Injection: 18-JUN-2001 13:35

Report Date: 06/18/2001

Dilution Factor: 1

Macro: FID:3A061401

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

FID:3A RESULTS

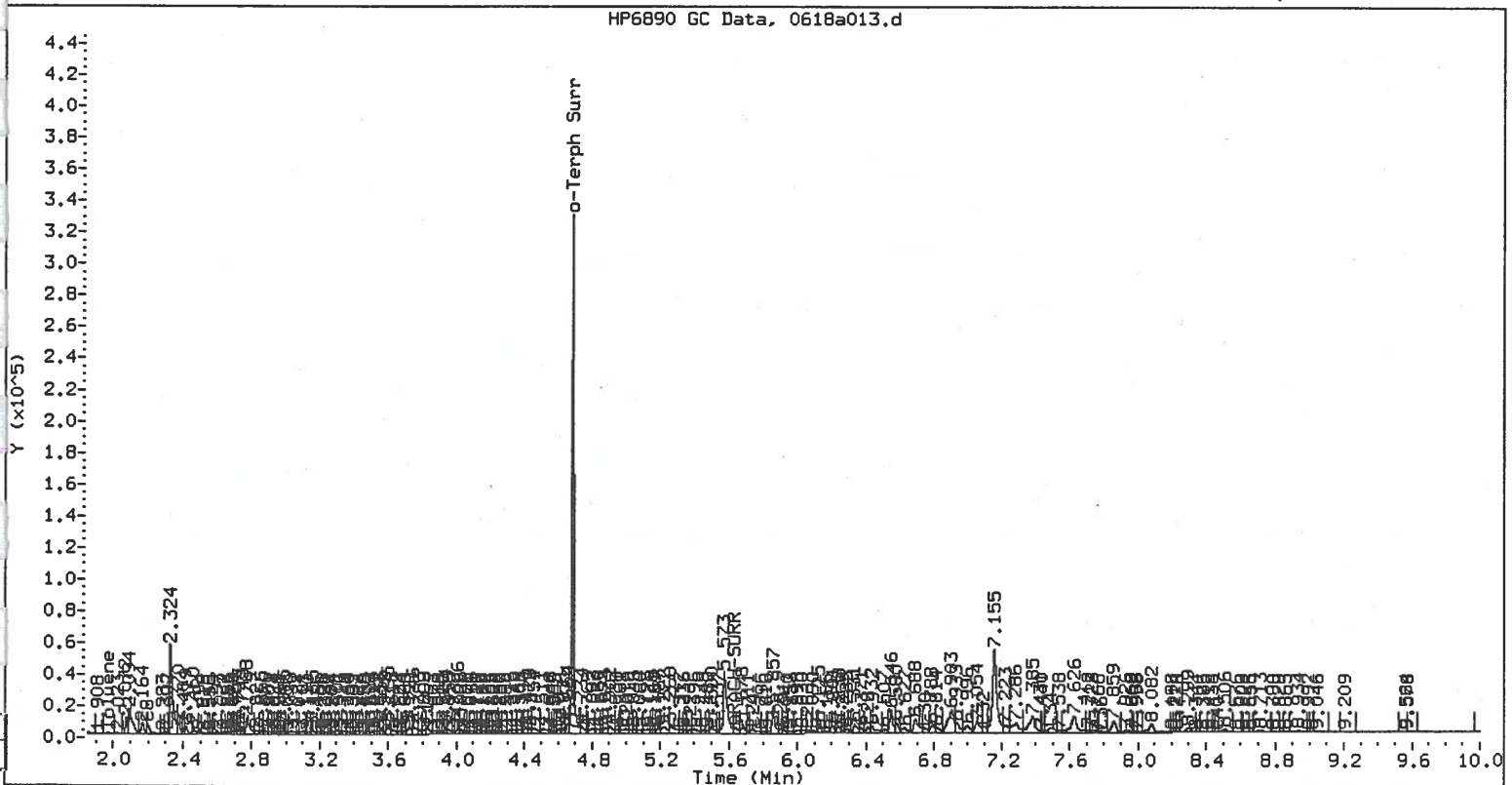
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.967	0.017	960	69117	GAS (Tol-C12)	11871415	39
C8	2.195	-0.030	6284	403419	DIESEL (C12-C24)	19277618	29
C10	2.934	0.001	1767	58516	M.OIL (C24-C38)	25424528	42
C12	3.415	0.004	2359	139818	AK-102 (C10-C25)	22155303	28
C14	3.827	-0.001	4856	339148	AK-103 (C25-C38)	25424528	42
C16	4.217	0.000	3015	120949			
C18	4.607	-0.001	3712	207363			
o-Terph Surr	4.684	0.001	323271	9617881			
C20	4.997	-0.001	3297	335913			
C22	5.374	0.001	2331	176902			
ARACH-SURR	5.633	0.008	3834	356532			
C24	5.741	0.011	2537	304348			
C25	5.902	-0.001	3309	171907			
C26	6.058	-0.015	1717	131483			
C28	6.411	0.001	3860	249313			
C30	6.745	-0.013	3096	257832			
C32	7.094	-0.021	4190	355391			
C34	7.492	0.025	3323	483434			
C36	7.782	-0.028	948	126403			
C38	----						
C40	8.465	0.004	326	16458			

Me-Arach Surrogate Rec = 3%
o-Terphenyl Surrogate Rec = 68%

FID:3A/RTX-1 DF70 E

FID:3A SIGNAL

ND



Analytical Resources Inc.
TPH Quantitation Report

GSA
6/18/01
C/F
4/17/01

Data file: /chem2/fid3a.i/18jun01.b/0618a014.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA

ARI ID: DF70 F
Client ID:
Injection: 18-JUN-2001 13:57

Report Date: 06/18/2001

Dilution Factor: 1

Macro: FID:3A061401

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-06

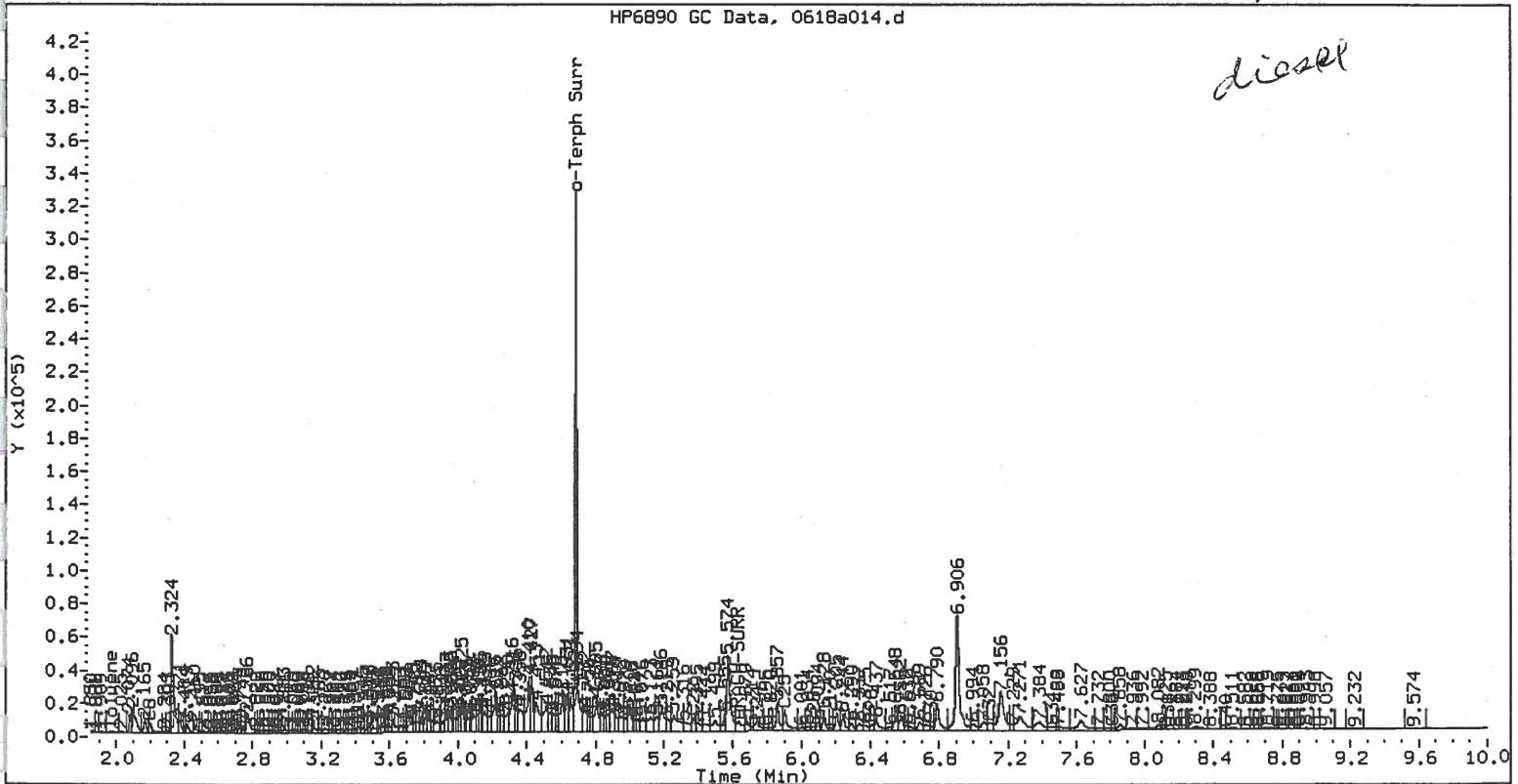
FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.969	0.019	966	67362	GAS (Tol-C12)	12353647	40
C8	2.195	-0.030	6479	413509	DIESEL (C12-C24)	60221262	89
C10	2.934	0.001	1738	49159	M.OIL (C24-C38)	27533992	46
C12	3.412	0.001	4208	193067	AK-102 (C10-C25)	63465712	82
C14	3.828	-0.001	14254	604205	AK-103 (C25-C38)	27533992	46
C16	4.217	-0.001	25695	1501949			
C18	4.606	-0.002	24776	1651715			
o-Terph Surr	4.684	0.000	304815	8048889			
C20	4.996	-0.001	16286	905612			
C22	5.373	-0.001	8306	500999			
ARACH-SURR	5.634	0.009	5568	594021			
C24	5.742	0.012	6066	631361			
C25	5.902	0.000	12139	1070182			
C26	6.074	0.002	2804	209274			
C28	6.413	0.003	3828	249779			
C30	6.751	-0.007	2933	179410			
C32	7.094	-0.020	4633	482724			
C34	7.461	-0.007	2220	319168			
C36	7.809	-0.001	916	55594	Me-Arach Surrogate Rec = 5%		
C38	8.140	-0.001	621	76685	o-Terphenyl Surrogate Rec = 57%		
C40	8.471	0.010	393	34066			

FID:3A/RTX-1 DF70 F

FID:3A SIGNAL

YES



Analytical Resources Inc.
TPH Quantitation Report

20X GSA
6/18/01

Data file: /chem2/fid3a.i/18jun01.b/0618a015.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/18/2001
Macro: FID:3A061401

ARI ID: DF70 G
Client ID:
Injection: 18-JUN-2001 14:30

CH

Dilution Factor: 1

g/m³

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-CZ

FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.936	-0.014	318	30186	GAS (Tol-C12)	632875759	2062
C8	2.183	-0.042	3369	355885	DIESEL (C12-C24)	9999303734	14792
C10	2.934	0.001	111477	12829535	M.OIL (C24-C38)	167244792	278
C12	3.409	-0.002	903763	55032000	AK-102 (C10-C25)	10602516694	13621
C14	3.843	0.015	2659332	309983346	AK-103 (C25-C38)	167244792	278
C16	4.190	-0.027	2620707	225173669			
C18	4.596	-0.012	2119351	142189285			
o-Terph Surr	4.679	-0.005	3041210	353305663			
C20	4.996	-0.001	1318043	165740951			
C22	5.389	0.015	462964	27096142			
ARACH-SURR	5.632	0.008	188974	21287727			
C24	5.746	0.016	143266	7299678			
C25	5.924	0.021	85474	12571610			
C26	6.081	0.008	42572	753833			
C28	6.404	-0.006	25841	2436937			
C30	6.756	-0.002	15871	933998			
C32	7.123	0.009	16585	1791737			
C34	7.464	-0.003	8545	1105987			
C36	7.799	-0.012	3644	581781			
C38	8.164	0.023	2038	175850			
C40	8.459	-0.002	970	32126			

Me-Arach Surrogate Rec = 172%

o-Terphenyl Surrogate Rec = 2491%

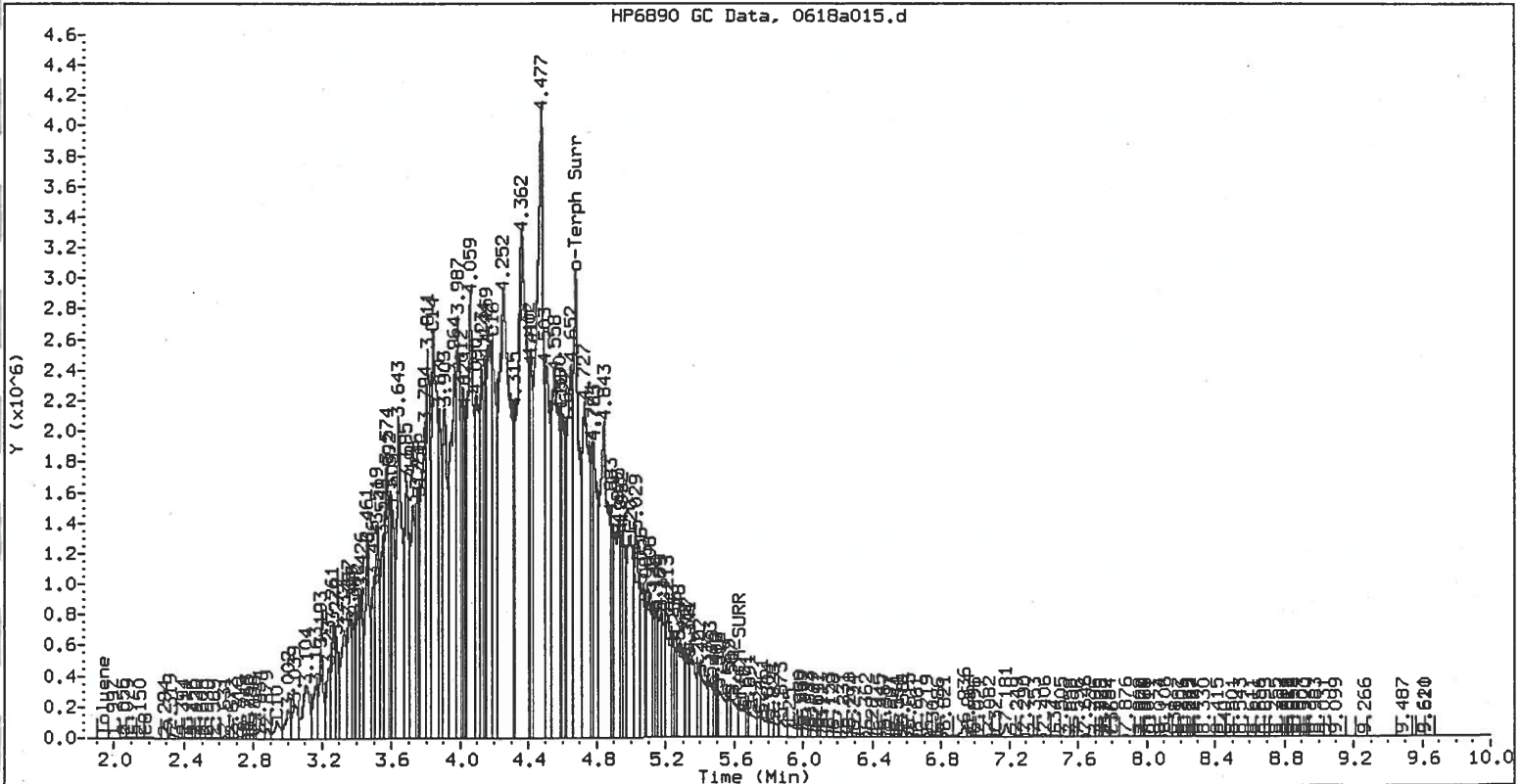
E

NR

FID:3A/RTX-1 DF70 G

FID:3A SIGNAL

DIESEL



GSA
6/19/01

C/H
4/107/1

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a019.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/19/2001
Macro: FID:3A061401

ARI ID: DF70 G 20x
Client ID:
Injection: 18-JUN-2001 15:54

Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-CZ dilution

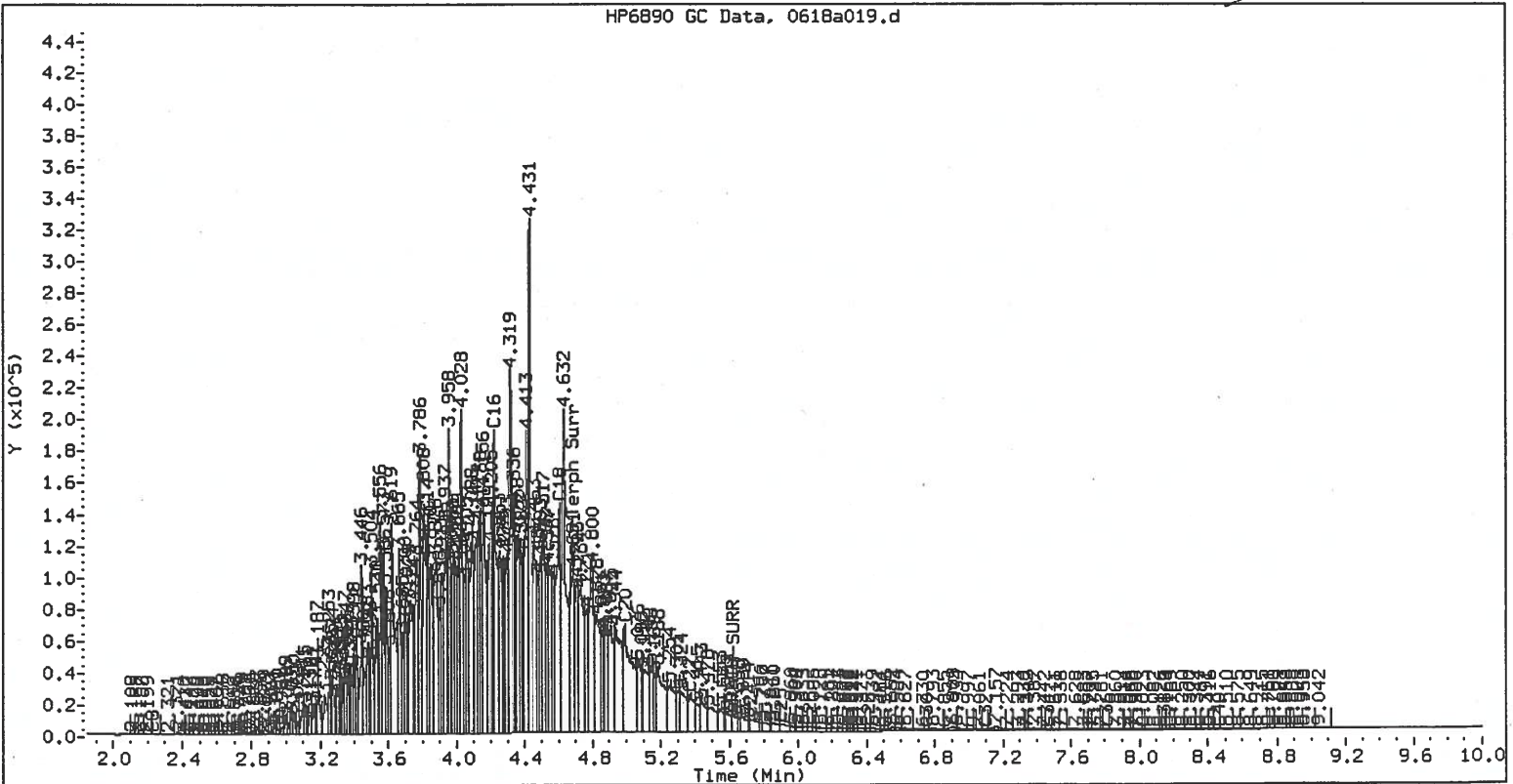
FID:3A RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	34429484	112
C8	2.235	0.010	244	18824	DIESEL (C12-C24)	488978497	723
C10	2.936	0.004	8707	236276	M.OIL (C24-C38)	10606483	18
C12	3.413	0.002	70090	2173467	AK-102 (C10-C25)	522017298	671
C14	3.830	0.002	138571	3938984	AK-103 (C25-C38)	10606483	18
C16	4.219	0.002	191341	11646039			
C18	4.609	0.001	144290	11802547			
o-Terph Surr	4.685	0.001	24089	540189			
C20	4.997	-0.001	67854	11778205			
C22	5.373	0.000	23890	2649466			
ARACH-SURR	5.622	-0.002	912	44982			
C24	5.728	-0.002	7530	1255073			
C25	5.904	0.002	4920	747306			
C26	6.075	0.003	2959	239776			
C28	6.414	0.004	1868	150847			
C30	6.752	-0.006	1276	116091			
C32	7.098	-0.016	1065	119491			
C34	7.464	-0.003	625	67098			
C36	7.813	0.002	361	34354	Me-Arach Surrogate Rec =	0%	
C38	8.148	0.007	251	16469	o-Terphenyl Surrogate Rec =	4%	
C40	8.465	0.004	216	24432			

FID:3A/RTX-1 DF70 G 20x

FID:3A SIGNAL

DIESEL.



Analytical Resources Inc.
TPH Quantitation Report

GSA
6/25/01

Data file: /chem2/fid3b.i/22jun01.b/0622b024.d
Method: /chem2/fid3b.i/22jun01.b/tphfid3b.m
Instrument: fid3b.i
Operator: GSA
Report Date: 06/25/2001
Macro: FID:3B062201

ARI ID: DG31 MBS 6/20
Client ID:
Injection: 23-JUN-2001 05:05
Dilution Factor: 1

clt
4/16/01

Calibration Dates: Gas:05/04/01 Diesel:06/22/01 M.Oil:06/22/01
AK102:06/22/01 AK103:06/22/01

Method Blank

Tazz-1B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	11917957	40
C8	1.412	-0.031	4864	700069	DIESEL (C12-C24)	4537004	7
Solvent Peak	2.491	0.016	9924	441491	M.OIL (C24-C38)	14738715	22
C10	2.690	0.004	2455	173604	AK-102 (C10-C25)	7079424	9
C12	3.239	0.005	1901	133611	AK-103 (C25-C38)	14373999	22
C14	3.671	0.004	1428	130436			
C16	----						
C18	----						
o-Terph Surr	4.501	-0.001	412223	12088666			
C20	4.822	0.000	1795	126393			
C22	----						
ARACH-SURR	5.429	0.013	1185	134914			
C24	5.549	-0.004	1463	147826			
C25	5.719	-0.004	2127	181152			
C26	5.887	-0.005	1256	131642			
C28	6.213	-0.009	2766	232895			
C30	6.550	-0.003	1709	167132			
C32	6.929	0.031	3877	579137			
C34	----						
Filter Peak	----						
C36	----						
C38	7.874	-0.038	1647	160800			
C40	----						

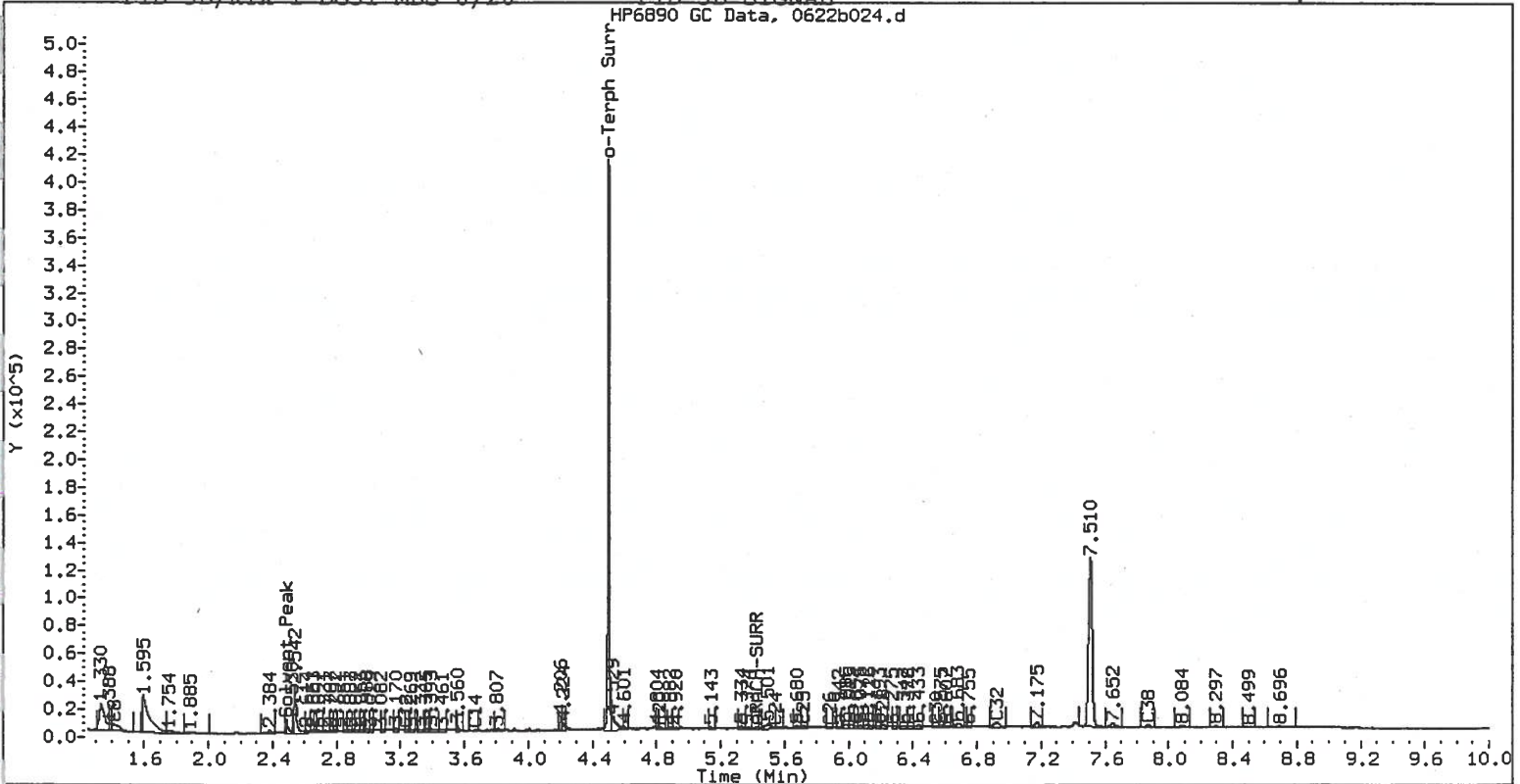
Me-Arach Surrogate Rec = 1% (134914)
o-Terph Surrogate Rec = 92% (12088666)

NO

FID-3B/RTX-1 DG31 MBS 6/20

FID-3B SIGNAL

HP6890 GC Data, 0622b024.d



TOTAL DIESEL RANGE HYDROCARBONS
AK102 TPHd by GC/FID



Lab Sample ID: DF70B Sample No: TL2-02
LIMS ID: 01-9789 QC Report No: DF70-Smith Bayliss LeResche Inc.
Matrix: Soil Project: Travelodge 2
Date Received: 06/13/01
Data Release Authorized: *CLH*
Reported: 06/27/01 *9/27/01*

MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Date extracted: 06/14/01
Date analyzed: 06/18/01

CONSTITUENT	SAMPLE VALUE	SPIKE VALUE	SPIKE ADDED	% RECOVERY	RPD
MATRIX SPIKE					
Diesel Range Hydrocarbons	5.0 U	11.4	68.6	16.6%	
MATRIX SPIKE DUPLICATE					
Diesel Range Hydrocarbons	5.0 U	25.3	68.3	37.0%	76.1%

TPHd Surrogate Recovery

Matrix Spike	o-Terphenyl	61.0%
Matrix Spike Dup	o-Terphenyl	53.0%

Values reported in ppm (mg/kg) on a dry weight basis.

Analytical Resources Inc.
TPH Quantitation Report

CA

Data file: /chem2/fid3a.i/18jun01.b/0618a009.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA

ARI ID: DF70 Bms
Client ID:
Injection: 18-JUN-2001 12:12

4/1/1a

Report Date: 06/18/2001
Macro: FID:3A061401

Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-02 Matrix
Spike

FID:3A RESULTS

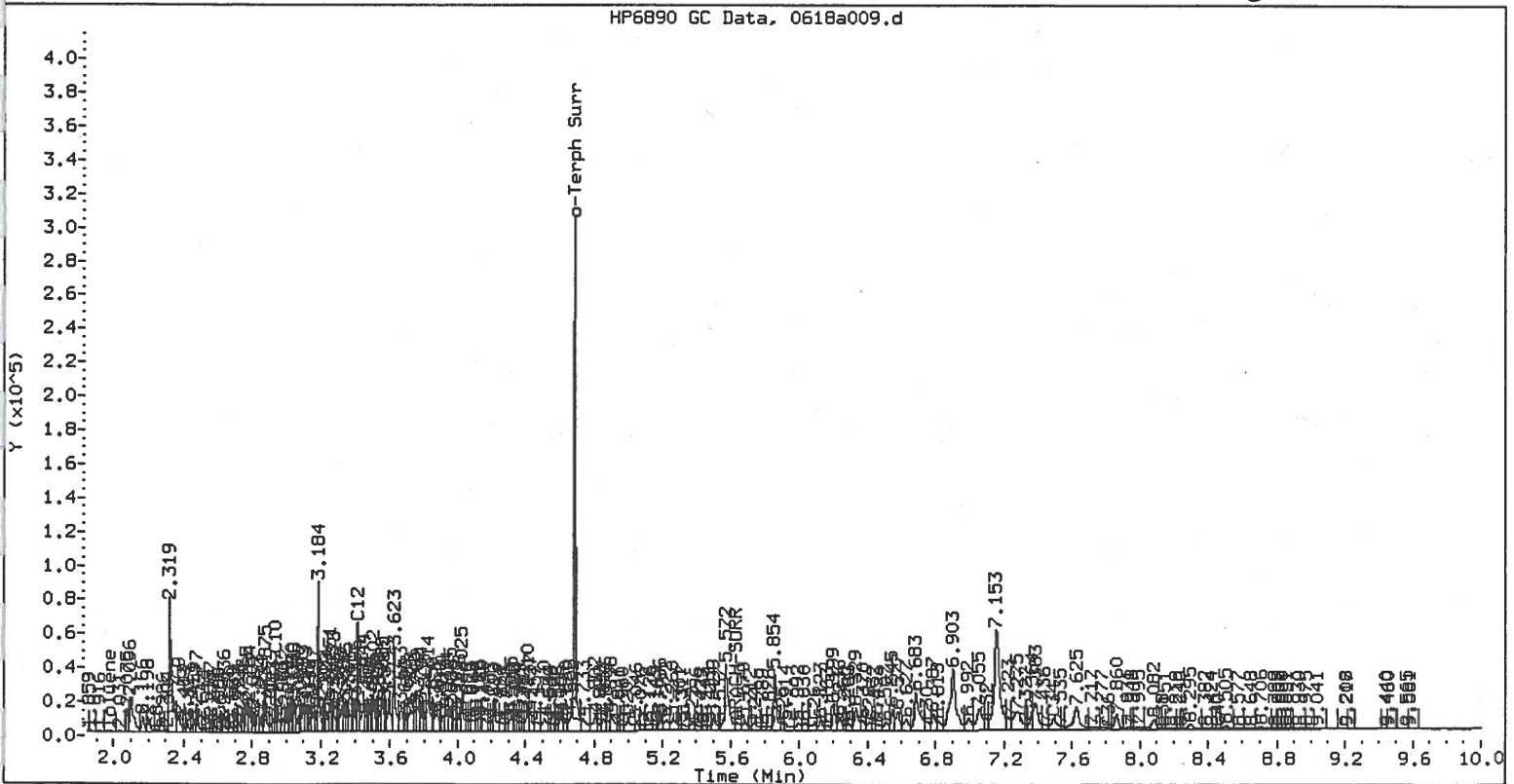
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.977	0.026	914	71784	GAS (Tol-C12)	33435763	109
C8	2.244	0.019	1630	86751	DIESEL (C12-C24)	45705537	68
C10	2.934	0.001	44853	895122	M.OIL (C24-C38)	41141085	68
C12	3.411	0.000	62852	1482974	AK-102 (C10-C25)	64383590	83
C14	3.828	-0.001	36005	1634747	AK-103 (C25-C38)	41141085	68
C16	4.217	0.000	19092	917633			
C18	4.606	-0.002	11866	561560			
o-Terph Surr	4.683	-0.001	295453	8664463			
C20	4.996	-0.002	7828	787824			
C22	5.372	-0.002	4912	359603			
ARACH-SURR	5.633	0.008	4494	459431			
C24	5.740	0.010	5252	540293			
C25	5.900	-0.002	5031	223468			
C26	6.088	0.015	4832	500700			
C28	6.409	-0.001	4946	380304			
C30	6.745	-0.014	5078	433528			
C32	7.098	-0.017	7145	543791			
C34	7.490	0.022	6670	797228			
C36	7.814	0.003	1119	46652			
C38	8.138	-0.003	879	44277			
C40	8.459	-0.002	456	39300			

Me-Arach Surrogate Rec = 4%
o-Terphenyl Surrogate Rec = 61%

FID:3A/RTX-1 DF70 Bms

FID:3A SIGNAL

QC



Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a010.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/18/2001
Macro: FID:3A061401

ARI ID: DF70 Bmsd
Client ID:
Injection: 18-JUN-2001 12:32
Dilution Factor: 1

CH
qlm

Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

TL2-02 Matrix Spike Duplicate

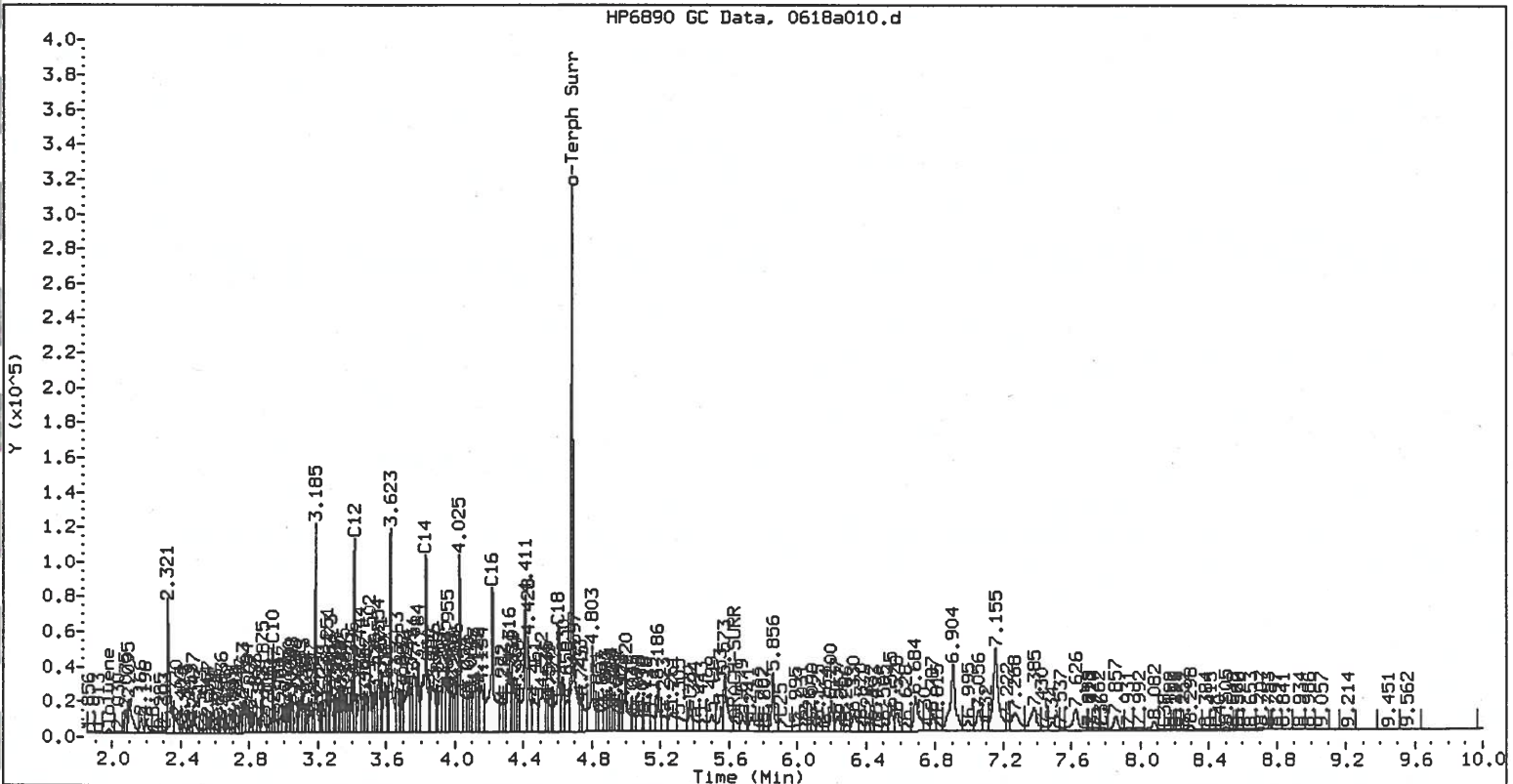
FID:3A RESULTS							
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.976	0.026	1925	128763	GAS (Tol-C12)	39656147	129
C8	2.241	0.016	1552	87070	DIESEL (C12-C24)	119495050	177
C10	2.934	0.001	50033	984634	M.OIL (C24-C38)	37838450	63
C12	3.411	0.000	109542	2478678	AK-102 (C10-C25)	144377043	185
C14	3.828	-0.001	101651	5227507	AK-103 (C25-C38)	37838450	63
C16	4.217	0.000	82320	6497485			
C18	4.607	-0.001	59722	3208650			
o-Terph Surr	4.685	0.001	285399	7466241			
C20	4.997	-0.001	36565	2264034			
C22	5.372	-0.001	17641	1066293			
ARACH-SURR	5.634	0.009	6146	512033			
C24	5.729	-0.001	7882	958115			
C25	5.901	-0.001	7421	1022013			
C26	6.072	0.000	4549	287926			
C28	6.409	-0.001	5225	372389			
C30	6.744	-0.014	4832	394428			
C32	7.097	-0.018	6095	547791			
C34	7.491	0.024	4787	638165			
C36	7.778	-0.032	1225	160035			
C38	8.144	0.003	734	71993			
C40	8.464	0.003	431	40384			

Me-Arach Surrogate Rec = 4%
o-Terphenyl Surrogate Rec = 53%

FID:3A/RTX-1 DF70 Bmsd

FID:3A SIGNAL

QC



TOTAL DIESEL RANGE HYDROCARBONS
AK102 TPHd by GC/FID



Sample No: TL2-02
Lab Sample ID: DF70B QC Report No: DF70-Smith Bayliss LeResche Inc.
LIMS ID: 01-10747 Project: Travelodge 2
Matrix: Soil

Date Received: 06/13/01

Data Release Authorized: *CH*
Reported: 06/27/01 *6/27/01*

MATRIX SPIKE/SPIKE DUPLICATE RECOVERY

Date extracted: 06/20/01
Date analyzed: 06/23/01

CONSTITUENT	SAMPLE VALUE	SPIKE VALUE	SPIKE ADDED	% RECOVERY	RPD
MATRIX SPIKE					
Diesel Range Hydrocarbons	5.0 U	21.4	68.5	31.2%	
MATRIX SPIKE DUPLICATE					
Diesel Range Hydrocarbons	5.0 U	18.1	68.4	26.5%	16.3%

TPHd Surrogate Recovery

Matrix Spike o-Terphenyl 56.0%
Matrix Spike Dup o-Terphenyl 54.0%

Values reported in ppm (mg/kg) on a dry weight basis.

Analytical Resources Inc.
TPH Quantitation Report

GSA
6/25/01

Data file: /chem2/fid3b.i/22jun01.b/0622b027.d
Method: /chem2/fid3b.i/22jun01.b/tphfid3b.m
Instrument: fid3b.i
Operator: GSA
Report Date: 06/25/2001
Macro: FID:3B062201

ARI ID: DF70 Bms2
Client ID:
Injection: 23-JUN-2001 06:05
Dilution Factor: 1

C/A
4/27 n

Calibration Dates: Gas:05/04/01 Diesel:06/22/01 M.Oil:06/22/01
AK102:06/22/01 AK103:06/22/01

TL2-02 matrix spike

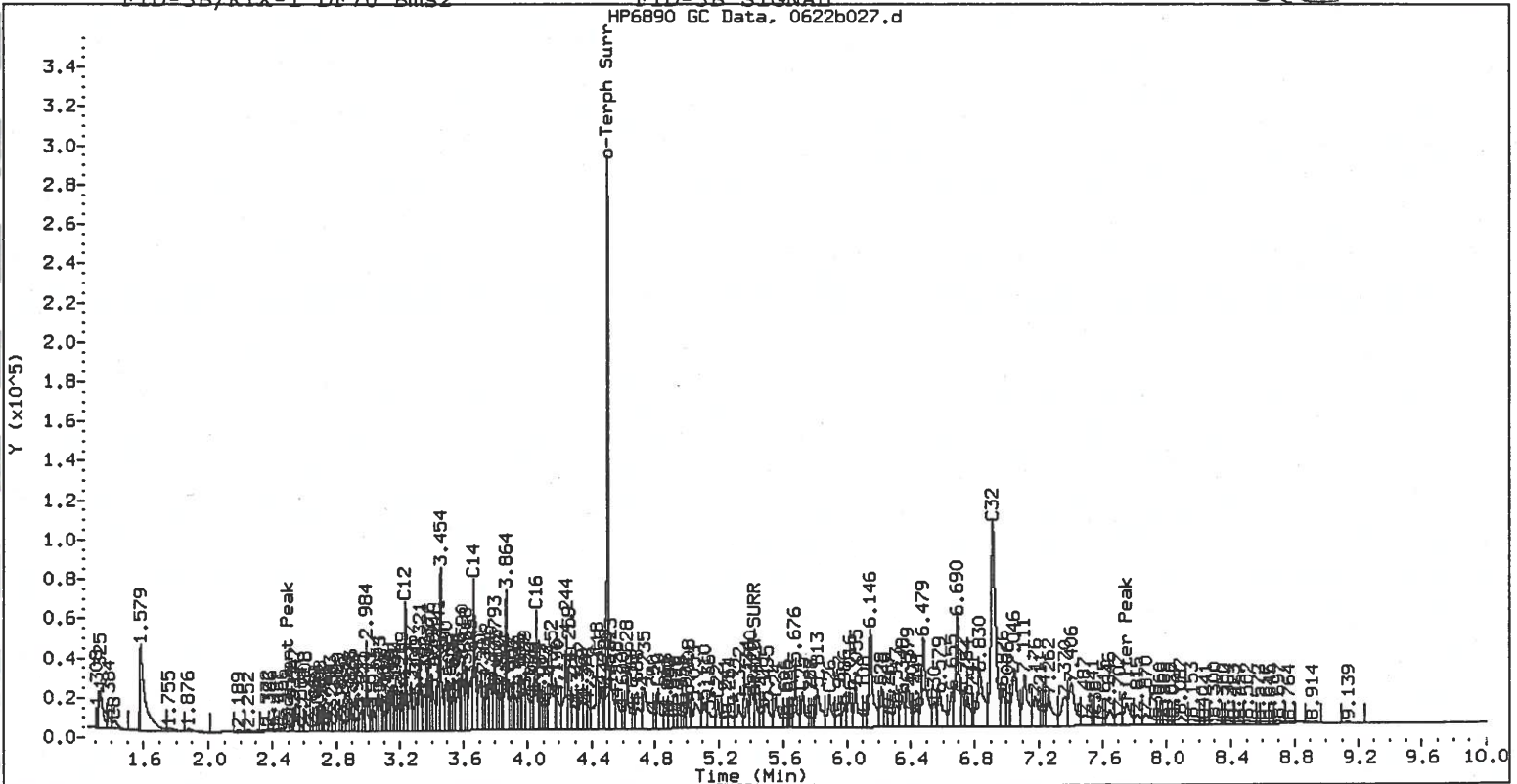
Tazz-1B RESULTS

Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	29258245	97
C8	1.418	-0.024	4272	476903	DIESEL (C12-C24)	98291994	147
Solvent Peak	2.493	0.017	5795	346762	M.OIL (C24-C38)	82693107	122
C10	2.687	0.001	12670	347148	AK-102 (C10-C25)	121021034	156
C12	3.232	-0.002	65089	1812305	AK-103 (C25-C38)	78356573	120
C14	3.664	-0.003	76250	3360211			
C16	4.057	-0.002	60148	2210794			
C18	4.434	-0.003	36458	2396290			
o-Terph Surr	4.500	-0.002	274008	7390421			
C20	4.819	-0.002	20160	1372304			
C22	5.193	-0.003	14208	936779			
ARACH-SURR	5.423	0.007	1050	14778			
C24	5.551	-0.003	14950	1647780			
C25	5.720	-0.003	17795	1441782			
C26	5.890	-0.002	16732	1623275			
C28	6.218	-0.004	19797	1501865			
C30	6.547	-0.005	12648	943898			
C32	6.911	0.013	103858	10403795			
C34	7.234	-0.008	8142	244492			
Filter Peak	7.749	0.002	11162	1494038	Me-Arach Surrogate Rec = 0% (14778)		
C36	7.554	-0.027	4720	754714	o-Terph Surrogate Rec = 56% (7390421)		
C38	7.938	0.026	2762	186817			
C40	8.225	-0.006	1806	139978			

FID-3B/RTX-1 DF70 Bms2

FID-3B SIGNAL

HP6890 GC Data, 0622b027.d



QC

GSA
6/25/01

CH

ulm h

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3b.i/22jun01.b/0622b028.d
Method: /chem2/fid3b.i/22jun01.b/tphfid3b.m
Instrument: fid3b.i
Operator: GSA
Report Date: 06/25/2001
Macro: FID:3B062201

ARI ID: DF70 Bmsd2
Client ID:
Injection: 23-JUN-2001 06:26
Dilution Factor: 1

Calibration Dates: Gas:05/04/01 Diesel:06/22/01 M.Oil:06/22/01
AK102:06/22/01 AK103:06/22/01

TL2-02 Matrix Spike

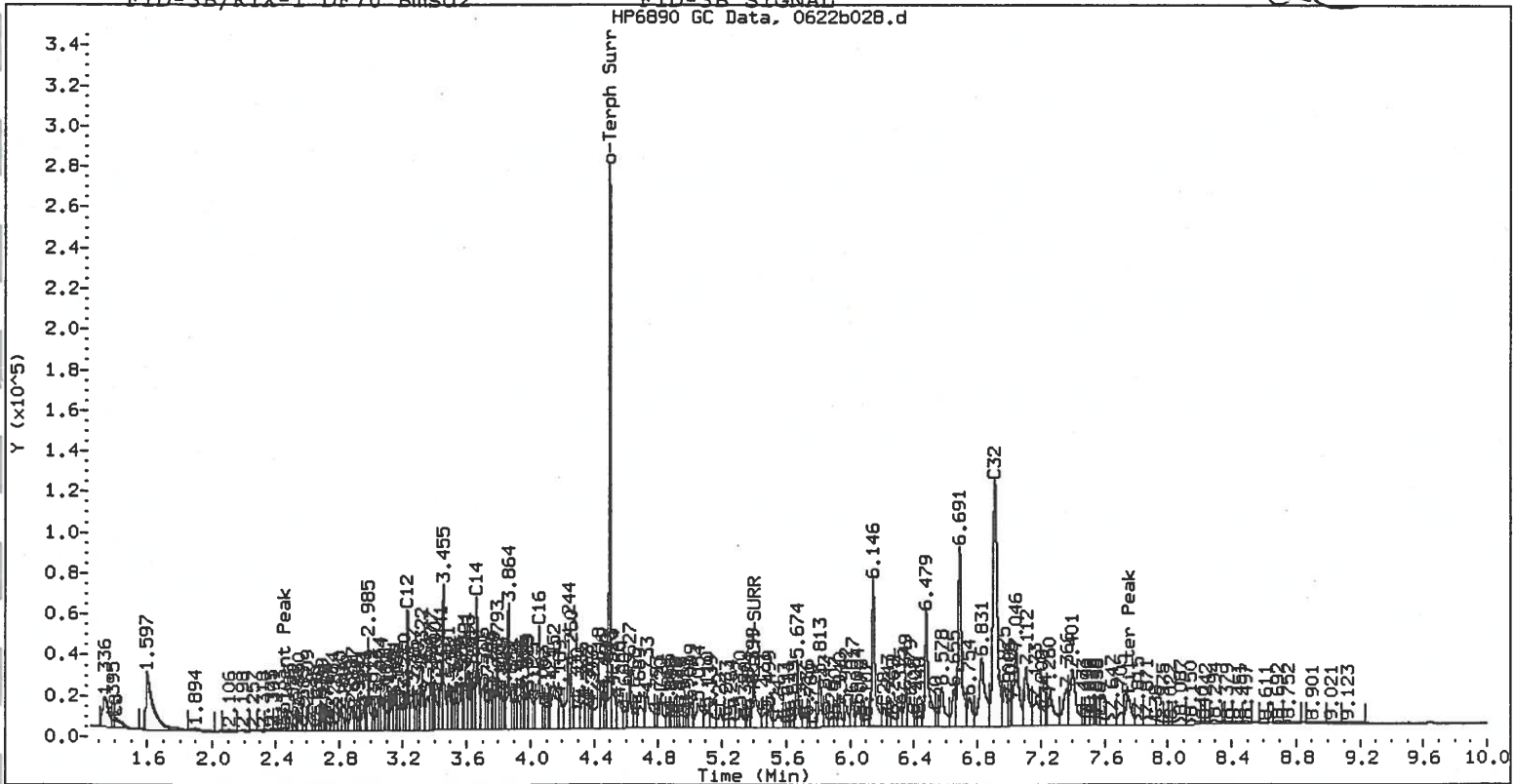
Tazz-1B RESULTS							
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	----				GAS (Tol-C12)	27767027	92
C8	1.410	-0.032	4505	611824	DIESEL (C12-C24)	81927573	122
Solvent Peak	2.458	-0.017	2086	137275	M.OIL (C24-C38)	80919511	119
C10	2.688	0.002	14607	394247	AK-102 (C10-C25)	102886646	132
C12	3.232	-0.001	58564	1691931	AK-103 (C25-C38)	77664686	119
C14	3.664	-0.002	64175	2845294			
C16	4.057	-0.002	50019	2797872			
C18	4.435	-0.003	31938	2050221			
o-Terph Surr	4.501	-0.001	263443	7076489			
C20	4.820	-0.002	16960	1340532			
C22	5.194	-0.002	9481	755078			
ARACH-SURR	5.403	-0.012	18029	2164498			
C24	5.555	0.001	5986	797113			
C25	5.719	-0.004	8022	538055			
C26	5.890	-0.003	5046	314005			
C28	6.217	-0.005	9512	657714			
C30	6.541	-0.011	7527	427066			
C32	6.912	0.014	120348	12017414			
C34	7.236	-0.007	7345	177558			
Filter Peak	7.750	0.003	13975	1769897			
C36	7.575	-0.007	3730	405315			
C38	7.928	0.016	2326	277366			
C40	8.226	-0.004	1425	121032			

Duplicate

Me-Arach Surrogate Rec = 18% (2164498)
o-Terph Surrogate Rec = 54% (7076489)

FID-3B/RTX-1 DF70 Bmsd2

FID-3B SIGNAL
HP6890 GC Data, 0622b028.d



DC

TOTAL DIESEL RANGE HYDROCARBONS
AK102 TPHd by GC/FID



Lab Sample ID: DF70LCS QC Report No: DF70-Smith Bayliss LeResche Inc.
LIMS ID: 01-9788 Project: Travelodge 2
Matrix: Soil

Data Release Authorized: *CLT*
Reported: 06/27/01 *u/ML*

LABORATORY CONTROL SAMPLE RECOVERY REPORT

Date extracted: 06/14/01
Date analyzed: 06/18/01

CONSTITUENT	SPIKE FOUND	SPIKE ADDED	% RECOVERY
Diesel Range Hydrocarbons	51.3	50.0	103%

TPHd Surrogate Recovery

o-Terphenyl 78.0%

Values reported in ppm (mg/kg) on a dry weight basis.

GSA
6/19/01
C/A
4/11/7

Analytical Resources Inc.
TPH Quantitation Report

Data file: /chem2/fid3a.i/18jun01.b/0618a021.d
Method: /chem2/fid3a.i/18jun01.b/tphfid3a.m
Instrument: fid3a.i
Operator: GSA
Report Date: 06/19/2001
Macro: FID:3A061401
Calibration Dates: Gas:05/04/01 Diesel:06/14/01 M.Oil:06/14/01
AK102:06/14/01 AK103:06/14/01

ARI ID: DF65 SBS 6/14
Client ID:
Injection: 18-JUN-2001 16:37
Dilution Factor: 1

Spike Blank

FID:3A RESULTS

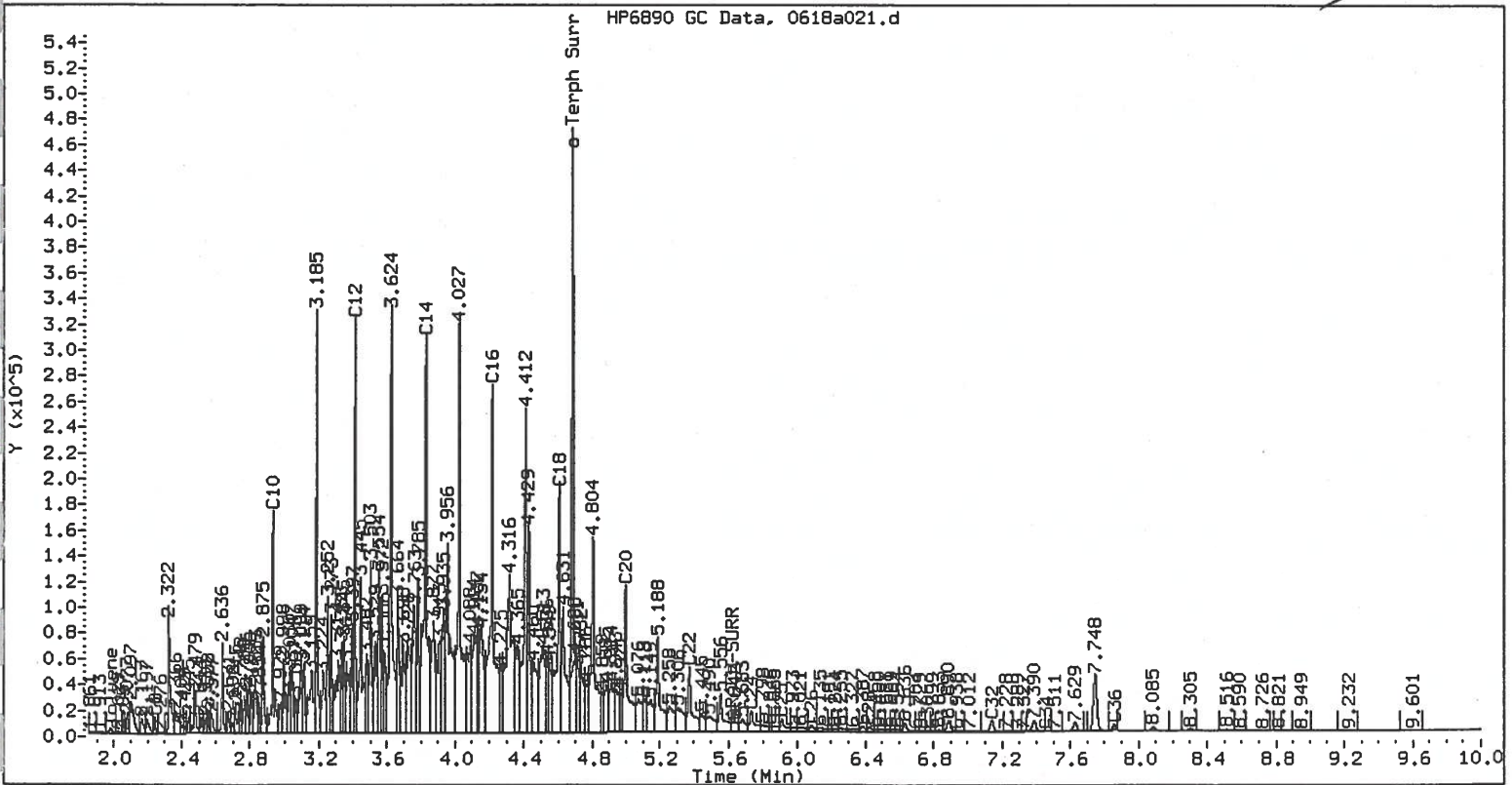
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.980	0.030	3562	202074	GAS (Tol-C12)	99561885	324
C8	2.243	0.018	12353	447453	DIESEL (C12-C24)	328881711	487
C10	2.934	0.002	171646	5725884	M.OIL (C24-C38)	14851215	25
C12	3.412	0.001	319074	7074658	AK-102 (C10-C25)	399517442	513
C14	3.830	0.001	313136	17720600	AK-103 (C25-C38)	14851215	25
C16	4.219	0.002	272702	20112467			
C18	4.608	0.000	194935	11571145			
o-Terph Surr	4.685	0.002	415443	10999477			
C20	4.997	0.000	113157	8571614			
C22	5.374	0.000	50633	4049932			
ARACH-SURR	5.626	0.002	1557	72121			
C24	5.734	0.004	16182	1572718			
C25	5.911	0.009	9808	940183			
C26	6.085	0.012	4923	471374			
C28	6.426	0.016	3657	306264			
C30	6.768	0.010	1104	89876			
C32	7.143	0.029	8903	811793			
C34	7.462	-0.006	280	24265			
C36	7.860	0.050	3741	238808			
C38	----	----	----	----			
C40	----	----	----	----			

Me-Arach Surrogate Rec = 1%
o-Terphenyl Surrogate Rec = 78%

FID:3A/RTX-1 DF65 SBS 6/14

FID:3A SIGNAL

CS



TOTAL DIESEL RANGE HYDROCARBONS
AK102 TPHd by GC/FID



Lab Sample ID: DF70LCS QC Report No: DF70-Smith Bayliss LeResche Inc.
LIMS ID: 01-10747 Project: Travelodge 2
Matrix: Soil

Data Release Authorized: *CH*
Reported: 06/27/01 *9/27/01*

LABORATORY CONTROL SAMPLE RECOVERY REPORT

Date extracted: 06/20/01
Date analyzed: 06/23/01

CONSTITUENT	SPIKE FOUND	SPIKE ADDED	% RECOVERY
Diesel Range Hydrocarbons	45.3	50.0	90.6%

TPHd Surrogate Recovery

o-Terphenyl 77.0%

Values reported in ppm (mg/kg) on a dry weight basis.

Analytical Resources Inc.
TPH Quantitation Report

GSA
6/25/01
CH
46M/s

Data file: /chem2/fid3b.i/22jun01.b/0622b025.d
Method: /chem2/fid3b.i/22jun01.b/tphfid3b.m
Instrument: fid3b.i
Operator: GSA
Report Date: 06/25/2001
Macro: FID:3B062201
Calibration Dates: Gas:05/04/01 Diesel:06/22/01 M.Oil:06/22/01
AK102:06/22/01 AK103:06/22/01

ARI ID: DG31 SBS 6/20
Client ID:
Injection: 23-JUN-2001 05:25
Dilution Factor: 1

Spike Blank

Tazz-1B RESULTS

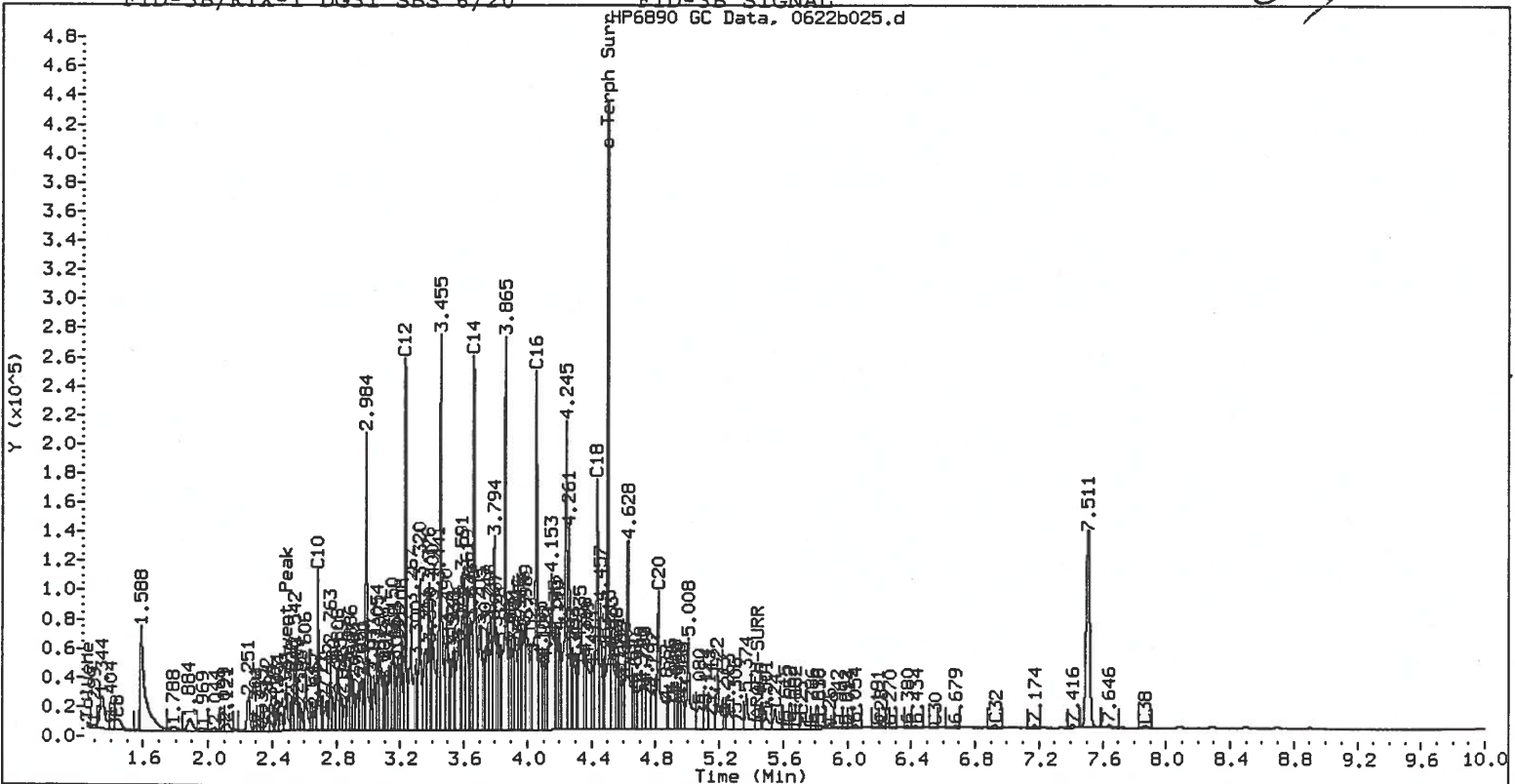
Compound	RT	Shift	Height	Area	Range	Total Area	Conc
Toluene	1.254	0.020	2698	213994	GAS (Tol-C12)	89901188	299
C8	1.438	-0.005	7214	824897	DIESEL (C12-C24)	287038226	429
Solvent Peak	2.488	0.012	32086	1410574	M.OIL (C24-C38)	15652074	23
C10	2.686	0.000	108662	3357798	AK-102 (C10-C25)	351959245	453
C12	3.232	-0.001	251809	6481186	AK-103 (C25-C38)	13948762	21
C14	3.665	-0.001	254257	10601432			
C16	4.058	-0.001	246279	10813121			
C18	4.436	-0.002	171646	7291403			
o-Terph Surr	4.502	0.000	388011	10117249			
C20	4.820	-0.002	94278	6511613			
C22	5.193	-0.003	38813	2686085			
ARACH-SURR	5.445	0.029	6108	624884			
C24	5.552	-0.002	13391	1120759			
C25	5.722	-0.002	8030	708073			
C26	5.889	-0.003	4225	330037			
C28	6.216	-0.006	2544	187993			
C30	6.551	-0.001	1264	143552			
C32	6.930	0.032	2110	274133			
C34	-----						
Filter Peak	-----						
C36	-----						
C38	7.871	-0.041	1268	115714			
C40	-----						

Me-Arach Surrogate Rec = 5% (624884)
o-Terph Surrogate Rec = 77% (10117249)

FID-3B/RTX-1 DG31 SBS 6/20

FID-3B SIGNAL

P6890 GC Data, 0622b025.d



LC5