



# ALS Paragon



## Total Extractable Hydrocarbons (Diesel) Case Narrative

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### **Colorado Oil & Gas Conservation Commission**

**Complaint 200206880**

**Work Order Number: 0904002**

1. This report consists of 1 water sample. The sample was received cool and intact by ALS Paragon on 04/01/2009.
2. The water sample was extracted using separatory funnels according to SOP 626 Revision 9 based on Method 3510C.
3. The extract was then analyzed using GC with a DB-5.625 capillary column and a flame ionization detector (FID) according to SOP 406 Revision 14 generally based on SW-846 Method 8000B and Method 8015B and specifically on the California LUFT Field Manual (October 1989 revision). The procedures are based on this general method because SW-846 does not have a specific method for total extractable petroleum hydrocarbons (TEPH) or diesel range organics. The only true modification from this method is that TEPH is a multicomponent mixture and is quantitated by integrating across the entire range, rather than summing areas of individual peaks. All positive results were quantitated using the responses from the initial calibration curve using the external standard technique. Also, a confirmation column is not used, because the analyte is a multicomponent mixture and the specific carbon range of the peaks detected is specified on the individual sample reporting forms.
4. All initial and continuing calibration criteria were met.
5. The method blank associated with this project was below the MDL for diesel range organics.
6. All laboratory control sample and laboratory control sample duplicate recoveries and RPDs were within the acceptance criteria.
7. Matrix spikes and matrix spike duplicates could not be performed because of insufficient sample. A laboratory control sample and laboratory control sample duplicate were performed instead.
8. The sample was extracted and analyzed within the established holding time.
9. All surrogate recoveries were within the acceptance criteria.



10. Manual integrations are performed when needed to provide consistent and defensible data following the guidelines in SOP 939 Revision 3.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS Paragon certifies that the analyses reported herein are true, complete and correct within the limits of the methods employed.

Mindy Norton  
Mindy Norton  
Organics Primary Data Reviewer

4.13.09  
Date

Eric Bayless  
Organics Final Data Reviewer

4/14/09  
Date



***ALS Paragon  
Data Qualifier Flags  
Fuels***

- G:** This flag indicates that a pattern resembling gasoline was detected in this sample.
- D:** This flag indicates that a pattern resembling diesel was detected in this sample.
- M:** This flag indicates that a pattern resembling motor oil was detected in this sample.
- C:** This flag indicates that a pattern resembling crude oil was detected in this sample.
- 4:** This flag indicates that a pattern resembling JP-4 was detected in this sample.
- 5:** This flag indicates that a pattern resembling JP-5 was detected in this sample.
- H:** This flag indicates that the fuel pattern was in the heavier end of the retention time window for the analyte of interest.
- L:** This flag indicates that the fuel pattern was in the lighter end of the retention time window for the analyte of interest.
- Z:** This flag indicates that a significant fraction of the reported result did not resemble the patterns of any of the following petroleum hydrocarbon products:  
gasoline  
JP-8  
diesel  
mineral spirits  
motor oil  
Stoddard solvent  
bunker C

**Multiple flags may be used to indicate the presence of more than one product or component.**

***ALS Paragon  
Data Qualifier Flags  
Chromatography and Mass Spectrometry***

- U or ND:** This flag indicates that the compound was analyzed for but not detected.
- J:** This flag indicates an estimated value. This flag is used as follows: (1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; (2) when the mass spectral and retention time data indicate the presence of a compound that meets the volatile and semivolatile GC/MS identification criteria, and the result is less than the reporting limit (RL) but greater than the method detection limit (MDL); (3) when the retention time data indicate the presence of a compound that meets the GC identification criteria, and the result is less than the RL but greater than the MDL; and (4) the reported value is estimated.
- B:** This flag is used when the analyte is detected in the associated method blank as well as in the sample. It indicates probable blank contamination and warns the data user. This flag shall be used for a tentatively identified compound (TIC) as well as for a positively identified target compound.
- E:** This flag identifies compounds whose concentration exceeds the upper level of the calibration range.
- A:** This flag indicates that a tentatively identified compound is a suspected aldol-condensation product.
- X:** This flag indicates that the analyte was diluted below an accurate quantitation level.
- \*:** This flag indicates that a spike recovery is equal to or outside the control criteria used.
- +:** This flag indicates that the relative percent difference (RPD) equals or exceeds the control criteria.

# ALS Paragon

## Sample Number(s) Cross-Reference Table

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**Paragon OrderNum:** 0904002

**Client Name:** Colorado Oil & Gas Conservation Commission

**Client Project Name:** Complaint 200206880

**Client Project Number:**

**Client PO Number:** OE PHA 090000000004

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Client Sample Number	Lab Sample Number	COC Number	Matrix	Date Collected	Time Collected
Ross WW	0904002-1		WATER	31-Mar-09	10:18
Trip Blank	0904002-2		WATER	31-Mar-09	



**Paragon Analyticals**

A Division of DataChem Laboratories, Inc.

225 Commerce Drive Fort Collins, CO 80524

800-443-1511 or (970) 490-1511 (970) 490-1522 Fax

Accession Number (LAB ID) 0904002

Chain-of-Custody Date 3/14/09 Page 1 of 1

Originator: Retain pink copy!

Project Name/No.: _____		Sampler(s): <u>Contaminant/Unknown Turnaround</u>		Standard or Rush (Due <u>14 days</u> )		Dispose: Date <u>3 days</u> or Return to Client					
Report To: <u>Peter Gintantas</u>		Phone: <u>714-846-3091</u>		Fax: _____		E-mail: <u>peter.gintantas@state.co.us</u>		Company: <u>Cal. Cell + Gas Cons. Comm.</u>		Address: _____	
Complaint <u>200206880</u>		Circle method (right); provide additional information as needed (comments).		Sample ID		Date		Time *		No. of Containers	
Preservative		Matrix		Lab ID		Date		Time *		No. of Containers	
VOCs		SW8260B		SW8260B		SW8260B		SW8260B		SW8260B	
BTEX (only) Methanol, Ethanol, Ethylbenzene		SW8260B		SW8260B		SW8260B		SW8260B		SW8260B	
SVOCs		SW8270C		SW8270C		SW8270C		SW8270C		SW8270C	
OC-Pesticides		SW8081A		SW8081A		SW8081A		SW8081A		SW8081A	
Herbicides		SW8082		SW8082		SW8082		SW8082		SW8082	
PCBs		SW8151A		SW8151A		SW8151A		SW8151A		SW8151A	
Explosives		SW8330		SW8330		SW8330		SW8330		SW8330	
TCMP Organics		SW1311		SW8260B 8270C 8081A 8151A		SW6010B 7470		SW6010B 7470		SW6010B 7470	
TCMP Metals		SW1311 Hg		SW6010B 7470		SW6010B 7470		SW6010B 7470		SW6010B 7470	
Total Metals by ICP Hg		SW6010B 7470		SW6010B 7470		SW6010B 7470		SW6010B 7470		SW6010B 7470	
Dissolved Metals by ICP Hg		SW6010B 7470		SW6010B 7470		SW6010B 7470		SW6010B 7470		SW6010B 7470	
Total Metals by ICP/MS		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8	
Dissolved Metals by ICP/MS		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8	
Heavy Metals by ICP/MS		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8		SW6020A E200.8	
Inorganic Anions		SW9056 E300.0		SW9056 E300.0		SW9056 E300.0		SW9056 E300.0		SW9056 E300.0	
Solids:		Total E160.3		Total E160.3		Total E160.3		Total E160.3		Total E160.3	
TPH		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO	
Cross Alpha / Beta		SW9310 E900.0		SW9310 E900.0		SW9310 E900.0		SW9310 E900.0		SW9310 E900.0	
Actinides by Paragon SOP		Pu / U / Am / Th / Cm /		Pu / U / Am / Th / Cm /		Pu / U / Am / Th / Cm /		Pu / U / Am / Th / Cm /		Pu / U / Am / Th / Cm /	
Tritium		E906.0		E906.0		E906.0		E906.0		E906.0	
Total Alpha-Emitting Radium		SW9315 E903.0		SW9315 E903.0		SW9315 E903.0		SW9315 E903.0		SW9315 E903.0	
Radium 226		E903.1		E903.1		E903.1		E903.1		E903.1	
Radium 228		SW9320 E904.0		SW9320 E904.0		SW9320 E904.0		SW9320 E904.0		SW9320 E904.0	
Strontium 90 (Total RadioSr)		D5811-00		D5811-00		D5811-00		D5811-00		D5811-00	
Gamma Isotopes		E901.1		E901.1		E901.1		E901.1		E901.1	
Radon 222		SM7510Rn		SM7510Rn		SM7510Rn		SM7510Rn		SM7510Rn	
SAR cel		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO	
Alpha - Cell Balance		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO	
Conductivity		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO		SW8015B GRO DRO	

\* Time Zone: EST CST MST PST Matrix Key: O = oil, S = soil, NS = non-soil solid, W = water, L = liquid, E = extract, F = filter

Comments: Filter + preserve metals upon receipt

Analysis = Pb, Cd, Fe, Ni, Cu, Mo, Se, Ag, Te, U

200.7 = Pb, Be, B, Ca, Cu, Co, Cr, Fe, Li, Mg, Mn, Ni, K, Na, Sr, Zn

200.6 = Sb, Ar, Cd, Pb, Mo, Se, Ag, Te, U

Relinquished By: (1) Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Company \_\_\_\_\_

Relinquished By: (2) Signature \_\_\_\_\_ Printed Name \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_ Company \_\_\_\_\_

## CONDITION OF SAMPLE UPON RECEIPT FORM

Paragon Analytics

Client: COGCCWorkorder No: 0904002Project Manager: AWInitials: CDTDate: 4-1-09

1. Does this project require any <b>special handling</b> in addition to standard Paragon procedures?	YES	<input checked="" type="radio"/> NO
2. Are custody <b>seals</b> on <b>shipping containers</b> intact?	NONE	<input checked="" type="radio"/> YES NO
3. Are Custody seals on <b>sample containers</b> intact?	<input checked="" type="radio"/> NONE	YES NO
4. Is there a <b>COC (Chain-of-Custody)</b> present or other representative documents?	<input checked="" type="radio"/> YES	NO
5. Are the <b>COC and bottle labels complete and legible</b> ?	<input checked="" type="radio"/> YES	NO
6. Is the <b>COC in agreement</b> with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.)	<input checked="" type="radio"/> YES	<input checked="" type="radio"/> NO
7. Were <b>airbills / shipping documents</b> present and/or removable?	DROP OFF	<input checked="" type="radio"/> YES NO
8. Are all aqueous samples requiring preservation preserved correctly? (excluding volatiles)	N/A	<input checked="" type="radio"/> YES <input checked="" type="radio"/> NO
9. Are all aqueous <b>non-preserved samples pH 4-9</b> ?	N/A	<input checked="" type="radio"/> YES NO
10. Is there <b>sufficient sample</b> for the requested analyses?	<input checked="" type="radio"/> YES	NO
11. Were all samples placed in the <b>proper containers</b> for the requested analyses?	<input checked="" type="radio"/> YES	NO
12. Are all samples within <b>holding times</b> for the requested analyses?	<input checked="" type="radio"/> YES	NO
13. Were all sample containers received <b>intact</b> ? (not broken or leaking, etc.)	<input checked="" type="radio"/> YES	NO
14. Are all samples requiring <b>no headspace</b> (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? <b>Size of bubble:</b> <input checked="" type="checkbox"/> < green pea <input type="checkbox"/> > green pea	N/A	YES <input checked="" type="radio"/> NO
15. Do perchlorate LCMS-MS samples <b>have</b> headspace? (at least 1/3 of container required)	<input checked="" type="radio"/> N/A	YES NO
16. Were samples checked for and free from the presence of <b>residual chlorine</b> ? (Applicable when PM has indicated samples are from a chlorinated water source; note if field preservation with sodium thiosulfate was not observed.)	<input checked="" type="radio"/> N/A	YES NO
17. Were the samples <b>shipped on ice</b> ?	<input checked="" type="radio"/> YES	NO
18. Were cooler temperatures measured at 0.1-6.0°C? <b>IR gun used*:</b> #2 <input checked="" type="radio"/> #4	RAD ONLY	<input checked="" type="radio"/> YES NO
Cooler #: <u>1</u>		
Temperature (°C): <u>3.8</u>		
No. of custody seals on cooler: <u>1</u>		
External µR/hr reading: <u>13</u>		
Background µR/hr reading: <u>11</u>		
Were external µR/hr readings ≤ two times background and within DOT acceptance criteria? <input checked="" type="radio"/> YES / NO / NA (If no, see Form 008.)		

Additional Information: PROVIDE DETAILS BELOW FOR A NO RESPONSE TO ANY QUESTION ABOVE, EXCEPT #1 AND #16.

- Headspace: 0904002-2-1 < green pea (Trip Blank - not listed on COC)
- Metals bottle received unpreserved. Filter + preserve prior to analysis.

If applicable, was the client contacted? ☒ YES / NO / NA Contact: Peter Gintautas Date/Time: e-mail 4/1/09

Project Manager Signature / Date: [Signature] 4/1/09

\*IR Gun #2: Oakton, SN 29922500201-0066

\*IR Gun #4: Oakton, SN 2372220101-0002

# Total Extractable Hydrocarbons

Method SW8015MCALUFTB

Method Blank

Lab Name: ALS Paragon

Work Order Number: 0904002

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200206880

Lab ID: EX090406-5MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 06-Apr-09

Date Analyzed: 08-Apr-09

Prep Method: SW3510 Rev C

Prep Batch: EX090406-5

QCBatchID: EX090406-5-1

Run ID: HCD090408-3A

Cleanup: NONE

Basis: N/A

File Name: F3F33817

Sample Aliquot: 1000 ml

Final Volume: 2.5 ml

Result Units: mg/l

Clean DF: 1

CASNO	Target Analyte	DF	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	DIESEL RANGE ORGANICS	1	0.05	0.05	U	

## Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	0.239		0.25	96	60 - 140

Data Package ID: HCD0904002-1

Date Printed: Monday, April 13, 2009

ALS Paragon

LIMS Version: 6.255A

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# Total Extractable Hydrocarbons

Method SW8015MCALUFTB

## Sample Results

Lab Name: ALS Paragon

Work Order Number: 0904002

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200206880

Field ID:	Ross WW
Lab ID:	0904002-1

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 31-Mar-09

Date Extracted: 06-Apr-09

Date Analyzed: 08-Apr-09

Prep Method: SW3510 Rev C

Prep Batch: EX090406-5

QCBatchID: EX090406-5-1

Run ID: HCD090408-3A

Cleanup: NONE

Basis: As Received

File Name: F3F33820

Sample Aliquot: 1050 ml

Final Volume: 2.5 ml

Result Units: mg/l

Clean DF: 1

CASNO	Target Analyte	Dilution Factor	Result	Reporting Limit	Result Qualifier	EPA Qualifier
68334-30-5	DIESEL RANGE ORGANICS	1	0.048	0.048	U	

## Surrogate Recovery

CASNO	Surrogate Analyte	Result	Flag	Spike Amount	Percent Recovery	Control Limits
84-15-1	O-TERPHENYL	0.211		0.238	88	60 - 140

Data Package ID: HCD0904002-1

Date Printed: Monday, April 13, 2009

ALS Paragon

LIMS Version: 6.255A

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# Total Extractable Hydrocarbons

## Method SW8015MCALUFTB

### Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Paragon

Work Order Number: 0904002

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200206880

Lab ID: EX090406-5LCS	Sample Matrix: WATER % Moisture: N/A Date Collected: N/A Date Extracted: 04/06/2009 Date Analyzed: 04/08/2009 Prep Method: SW3510C	Prep Batch: EX090406-5 QCBatchID: EX090406-5-1 Run ID: HCD090408-3A Cleanup: NONE Basis: N/A File Name: F3F33818	Sample Aliquot: 1000 ml Final Volume: 2.5 ml Result Units: mg/l Clean DF: 1
-----------------------	---	---	--

CASNO	Target Analyte	Spike Added	LCS Result	Reporting Limit	Result Qualifier	LCS % Rec.	Control Limits
68334-30-5	DIESEL RANGE ORGANICS	1	0.808	0.05		81	60 - 140%

Lab ID: EX090406-5LCSD	Sample Matrix: WATER % Moisture: N/A Date Collected: N/A Date Extracted: 04/06/2009 Date Analyzed: 04/08/2009 Prep Method: SW3510C	Prep Batch: EX090406-5 QCBatchID: EX090406-5-1 Run ID: HCD090408-3A Cleanup: NONE Basis: N/A File Name: F3F33819	Sample Aliquot: 1000 ml Final Volume: 2.5 ml Result Units: mg/l Clean DF: 1
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CASNO	Target Analyte	Spike Added	LCSD Result	Reporting Limit	Result Qualifier	LCSD % Rec.	RPD Limit	RPD
68334-30-5	DIESEL RANGE ORGANICS	1	0.84	0.05		84	50	4

### Surrogate Recovery LCS/LCSD

CASNO	Target Analyte	Spike Added	LCS % Rec.	LCS Flag	LCSD % Rec.	LCSD Flag	Control Limits
84-15-1	O-TERPHENYL	0.25	97		102		60 - 140

Data Package ID: HCD0904002-1

Date Printed: Monday, April 13, 2009

ALS Paragon

LIMS Version: 6.255A

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## Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33817.D  
Acq On : 08 Apr 09 03:04 PM  
Sample : EX090406-5MB  
Misc :  
Quant Time: Apr 9 7:35 19109

Vial: 9  
Operator: edb  
Inst : FUELS3  
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
Title : 8015Bmod, CALuft  
Last Update : Thu Apr 09 07:34:11 2009  
Response via : Multiple Level Calibration

Volume Inj. : 1uL  
Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm  
Signal Info : FID

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S o-terphenyl	12.34	267734	95.74 µg/ml
	Recovery	=	95.74%
Target Compounds			
1) H TEPH	15.00	27792	8.13 µg/ml <i>EBmax</i> <i>EB 4/9/09</i>

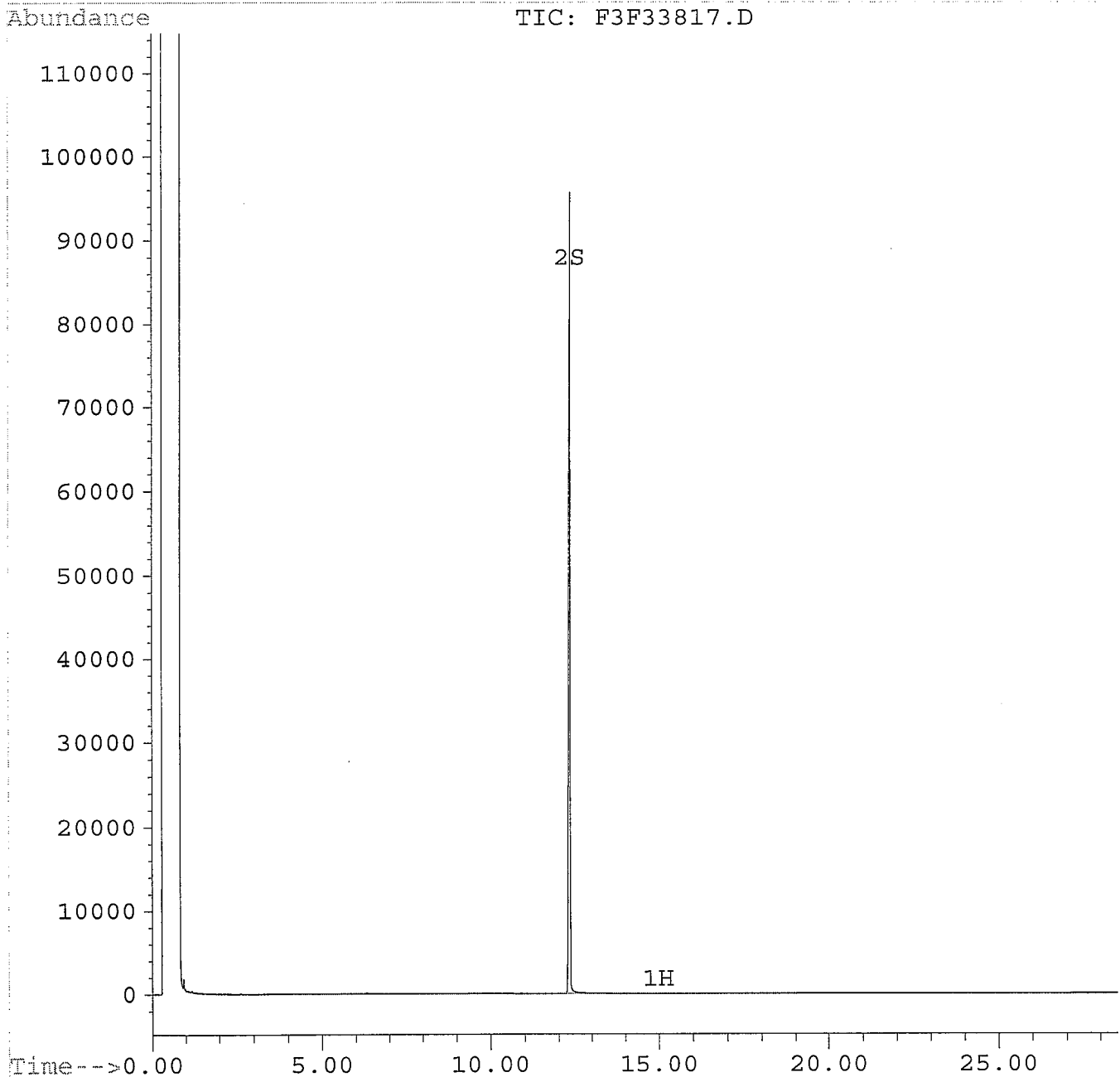
# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33817.D  
Acq On : 08 Apr 09 03:04 PM  
Sample : EX090406-5MB  
Misc :  
Quant Time: Apr 9 7:35 19109

Vial: 9  
Operator: edb  
Inst : FUELS3  
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
Title : 8015Bmod, CALuft  
Last Update : Thu Apr 09 07:34:11 2009  
Response via : Multiple Level Calibration

Volume Inj. : 1uL  
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 $\mu$ m  
Signal Info : FID



# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33818.D  
 Acq On : 08 Apr 09 03:41 PM  
 Sample : EX090406-5LCS  
 Misc :  
 Quant Time: Apr 9 7:35 19109

Vial: 10  
 Operator: edb  
 Inst : FUELS3  
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
 Title : 8015Bmod, CALuft  
 Last Update : Thu Apr 09 07:34:11 2009  
 Response via : Multiple Level Calibration

Volume Inj. : 1uL  
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5μm  
 Signal Info : FID

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S o-terphenyl	12.33	271714	97.16 μg/ml
	Recovery	=	97.16%
Target Compounds			
1) H TEPH	15.00	1105097	323.38 μg/ml 813

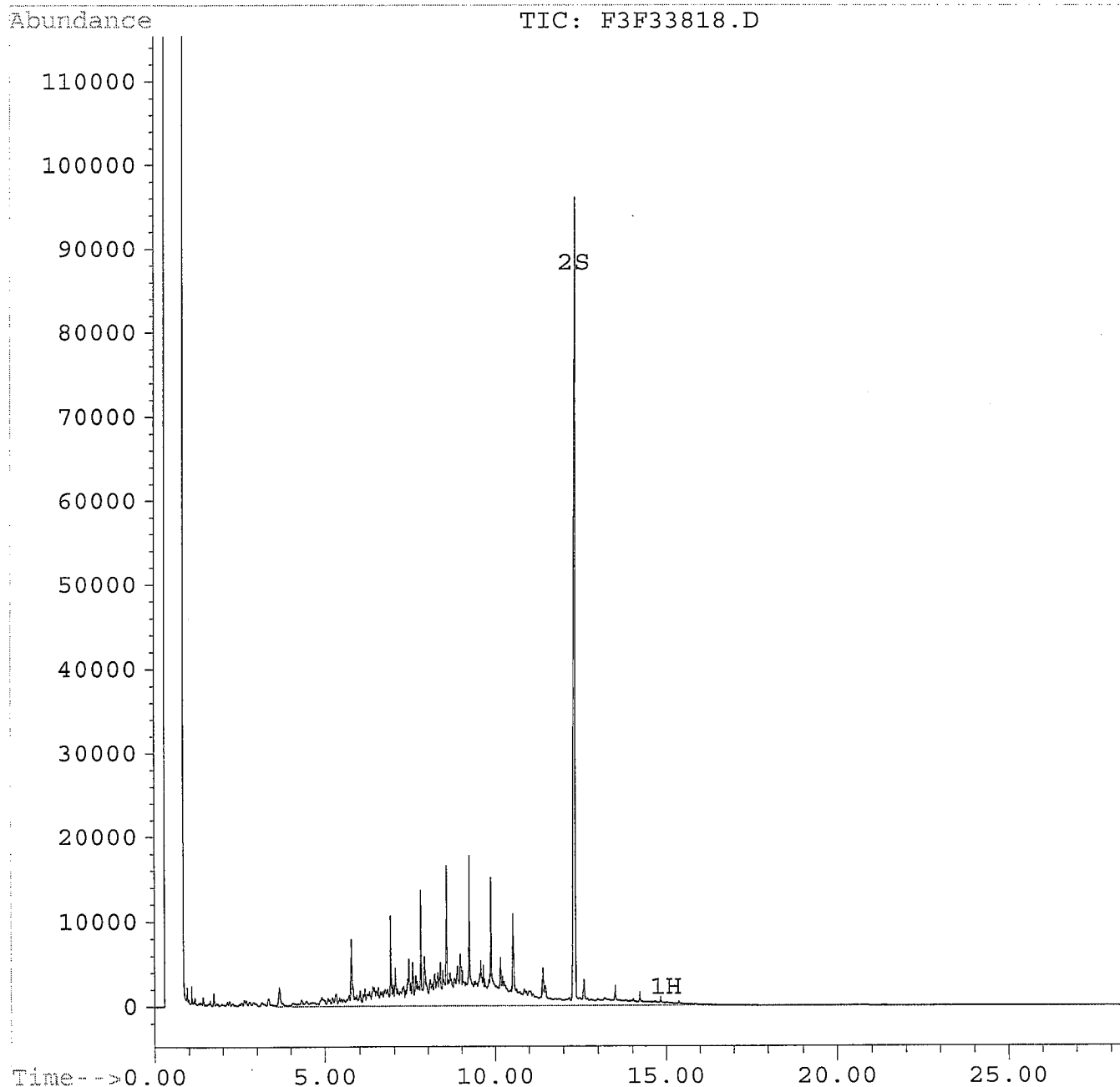
# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33818.D  
Acq On : 08 Apr 09 03:41 PM  
Sample : EX090406-5LCS  
Misc :  
Quant Time: Apr 9 7:35 19109

Vial: 10  
Operator: edb  
Inst : FUELS3  
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
Title : 8015Bmod, CALuft  
Last Update : Thu Apr 09 07:34:11 2009  
Response via : Multiple Level Calibration

Volume Inj. : 1uL  
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 $\mu$ m  
Signal Info : FID



# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33819.D  
 Acq On : 08 Apr 09 04:18 PM  
 Sample : EX090406-5LCSD  
 Misc :  
 Quant Time: Apr 9 7:35 19109

Vial: 11  
 Operator: edb  
 Inst : FUELS3  
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
 Title : 8015Bmod, CALuft  
 Last Update : Thu Apr 09 07:34:11 2009  
 Response via : Multiple Level Calibration

Volume Inj. : 1uL  
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm  
 Signal Info : FID

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S o-terphenyl	12.34	284591	101.76 µg/ml
	Recovery	=	101.76%
Target Compounds			
1) H TEPH	15.00	1147612	335.82 µg/ml 84 <sup>9</sup>

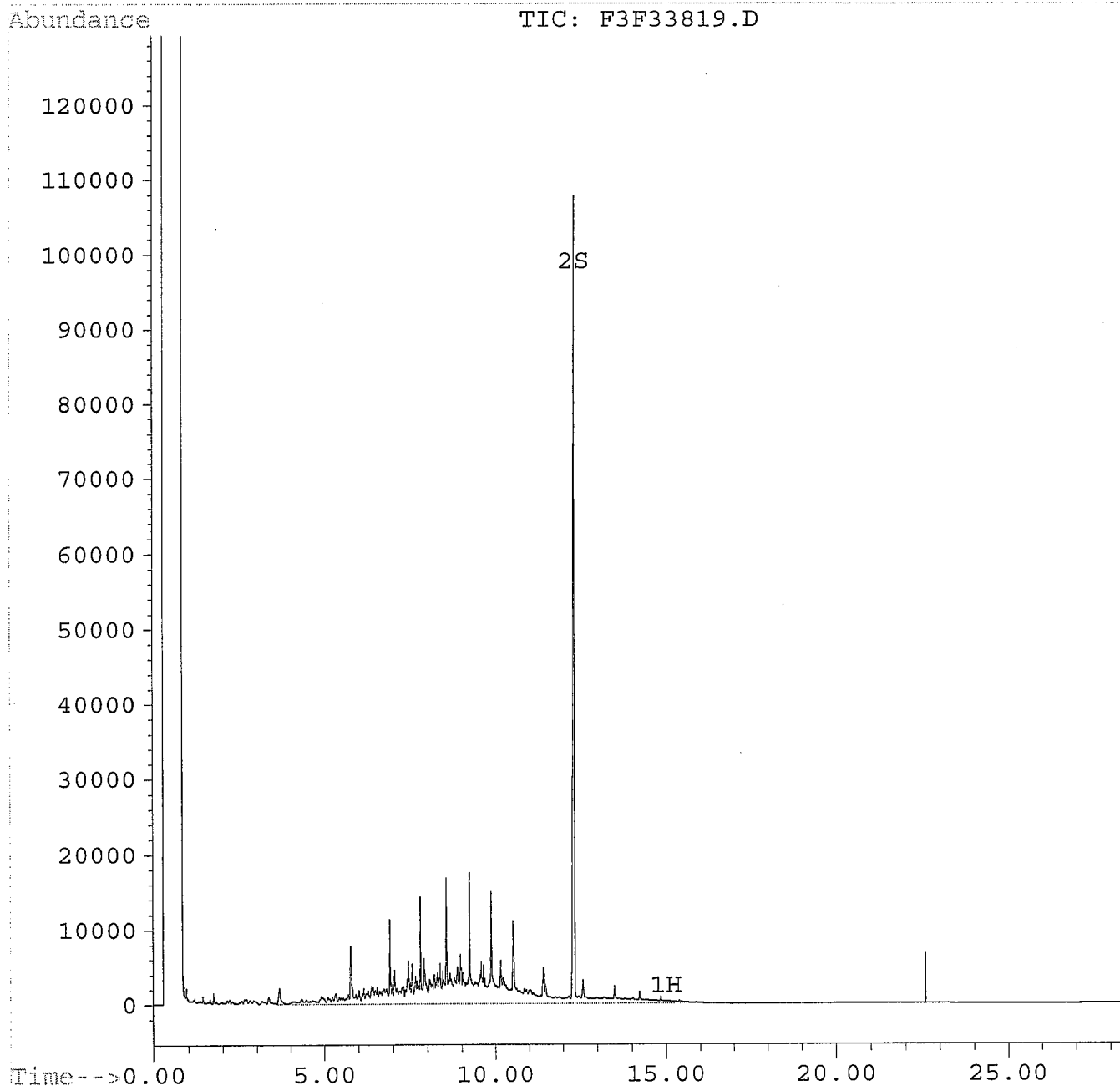
# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33819.D  
Acq On : 08 Apr 09 04:18 PM  
Sample : EX090406-5LCSD  
Misc :  
Quant Time: Apr 9 7:35 19109

Vial: 11  
Operator: edb  
Inst : FUELS3  
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
Title : 8015Bmod, CALuft  
Last Update : Thu Apr 09 07:34:11 2009  
Response via : Multiple Level Calibration

Volume Inj. : 1uL  
Signal Phase : DB-5.625, 30m, 0.25mm 0.5 $\mu$ m  
Signal Info : FID





# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33820.D  
 Acq On : 08 Apr 09 04:56 PM  
 Sample : 0904002-1  
 Misc :  
 Quant Time: Apr 9 7:35 19109

Vial: 12  
 Operator: edb  
 Inst : FUELS3  
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
 Title : 8015Bmod, CALuft  
 Last Update : Thu Apr 09 07:34:11 2009  
 Response via : Multiple Level Calibration

Volume Inj. : 1uL  
 Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm  
 Signal Info : FID

Compound	R.T.	Response	Conc Units
-----			
System Monitoring Compounds			
2) S o-terphenyl	12.33	247454	88.48 µg/ml
	Recovery	=	88.48%
Target Compounds			
1) H TEPH	15.00	21867	6.40 µg/ml <i>max</i>

*Ed*  
*4/9/09*

# Quantitation Report

Data File : C:\HPCHEM\5\DATA\04082009\F3F33820.D  
Acq On : 08 Apr 09 04:56 PM  
Sample : 0904002-1  
Misc :  
Quant Time: Apr 9 7:35 19109

Vial: 12  
Operator: edb  
Inst : FUELS3  
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\F040809.M  
Title : 8015Bmod, CALuft  
Last Update : Thu Apr 09 07:34:11 2009  
Response via : Multiple Level Calibration

Volume Inj. : 1uL  
Signal Phase : DB-5.625, 30m, 0.25mm 0.5µm  
Signal Info : FID

