



Total Extractable Petroleum Hydrocarbons (Diesel)

Case Narrative

Colorado Oil & Conservation Commossion

Complaint 200294386

Work Order Number: 1102061

1. This report consists of 2 water samples. The samples were received cool and intact by ALS on 02/05/2011.
2. The water samples were extracted using separatory funnels according to SOP 626 Revision 9 based on Method 3510C.
3. The extracts were 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. All samples were 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 4.

The data contained in the following report have been reviewed and approved by the personnel listed below. In addition, ALS 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

02-18-11
Date

Dan Sheneman
Organics Final Data Reviewer

02-18-11
Date



ALS
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
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 data indicate the presence of a compound that meets the 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 outside the control criteria.
- +:** This flag indicates that the relative percent difference (RPD) exceeds the control criteria.

ALS Environmental -- FC

Sample Number(s) Cross-Reference Table

OrderNum: 1102061

Client Name: Colorado Oil & Gas Conservation Commission

Client Project Name: Complaint 200294386

Client Project Number:

Client PO Number: OE PHA 11000000014

| Client Sample Number | Lab Sample Number | COC Number | Matrix | Date Collected | Time Collected |
|----------------------|-------------------|------------|--------|----------------|----------------|
| Dahl WW PM | 1102061-1 | | WATER | 03-Feb-11 | 14:56 |
| Trip Blank | 1102061-2 | | WATER | 03-Feb-11 | 6:30 |
| Dahl WW AM | 1102061-3 | | WATER | 03-Feb-11 | 11:59 |

WORKORDER
#

110206

| | | | |
|------|---|----|---|
| PAGE | / | of | / |
|------|---|----|---|

| | | |
|----------|------------|------------------|
| DISPOSAL | By Lab, or | Return to Client |
|----------|------------|------------------|

[illegible]

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

For metals or anions, please detail analytes below.

| | | | | | | | | | | |
|-----------|--|---|---|-------------------------|--|-----------------------------|--|---------------------------------------|--|--|
| Comments: | <p>Angus = Big, 10^3, 10^4, 10^5, 10^6</p> <p>After I checked the quality of the product</p> <p>200.10 - 10000 - 10 models</p> <p>700.10 - 10000 - 11 models</p> <p>200.10 - 10000 - 10 models</p> <p>200.10 - 10000 - 10 models</p> <p>200.10 - 10000 - 10 models</p> <p>200.10 - 10000 - 10 models</p> | <p>QC PACKAGE (check below)</p> <table border="1"> <tr> <td>X</td> <td>LEVEL II: (Standard QC)</td> </tr> <tr> <td></td> <td>LEVEL III: (Std QC + forms)</td> </tr> <tr> <td></td> <td>LEVEL IV: (Std QC + forms + raw data)</td> </tr> <tr> <td></td> <td></td> </tr> </table> | X | LEVEL II: (Standard QC) | | LEVEL III: (Std QC + forms) | | LEVEL IV: (Std QC + forms + raw data) | | |
| X | LEVEL II: (Standard QC) | | | | | | | | | |
| | LEVEL III: (Std QC + forms) | | | | | | | | | |
| | LEVEL IV: (Std QC + forms + raw data) | | | | | | | | | |
| | | | | | | | | | | |

| | SIGNATURE | PRINTED NAME | DATE | TIME |
|-----------------|-------------------|--------------------|----------------|--------------|
| RELINQUISHED BY | <i>P. G. H.</i> | <i>Peter G. H.</i> | <i>4/12/11</i> | <i>12:45</i> |
| RECEIVED BY | <i>C. Trumble</i> | <i>C. Trumble</i> | <i>2-8-11</i> | <i>1045</i> |
| RELINQUISHED BY | | | <i>aw</i> | |
| RECEIVED BY | | | | |
| RELINQUISHED BY | | | | |
| RECEIVED BY | | | | |



CONDITION OF SAMPLE UPON RECEIPT FORM

Client: CUGCCWorkorder No: 1102061Project Manager: AWInitials: CDTDate: 2-5-11

| | | | |
|---|--|--------------------------------------|--------------------------------------|
| 1. Does this project require any special handling in addition to standard Paragon procedures? | | YES | <input checked="" type="radio"/> NO |
| 2. Are custody seals on shipping containers intact? | NONE | <input checked="" type="radio"/> YES | NO |
| 3. Are Custody seals on sample containers intact? | <input checked="" type="radio"/> NONE | YES | NO |
| 4. Is there a COC (Chain-of-Custody) present or other representative documents? | | <input checked="" type="radio"/> YES | NO |
| 5. Are the COC and bottle labels complete and legible ? | | <input checked="" type="radio"/> YES | NO |
| 6. Is the COC in agreement with samples received? (IDs, dates, times, no. of samples, no. of containers, matrix, requested analyses, etc.) | | <input checked="" type="radio"/> YES | NO |
| 7. Were airbills / shipping documents 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 | NO |
| 9. Are all aqueous non-preserved samples pH 4-9 ? | N/A | YES | <input checked="" type="radio"/> NO |
| 10. Is there sufficient sample for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 11. Were all samples placed in the proper containers for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 12. Are all samples within holding times for the requested analyses? | | <input checked="" type="radio"/> YES | NO |
| 13. Were all sample containers received intact ? (not broken or leaking, etc.) | | <input checked="" type="radio"/> YES | NO |
| 14. Are all samples requiring no headspace (VOC, GRO, RSK/MEE, Rx CN/S, radon) headspace free? Size of bubble: <u> </u> < green pea <u> </u> > green pea | N/A | YES | <input checked="" type="radio"/> NO |
| 15. Do perchlorate LCMS-MS samples have 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 residual chlorine ? (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 shipped on ice ? | | <input checked="" type="radio"/> YES | NO |
| 18. Were cooler temperatures measured at 0.1-6.0°C? | IR gun used*: <u>#2</u> <input checked="" type="radio"/> <u>#4</u> | RAD ONLY | <input checked="" type="radio"/> YES |
| Cooler #: <u>1</u> | | | |
| Temperature (°C): <u>3.8°</u> | | | |
| No. of custody seals on cooler: <u>2</u> | | | |
| External µR/hr reading: <u>12</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 <input type="radio"/> NO <input type="radio"/> NA (If no, see Form 008.) | | | |

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

Headspace: 1102061-2-1
 - 2-2
 - 3-1
 - 3-2 } > GREEN PEA

Sample 1102061-3-4 and 1102061-3-5 received @ pH 2.5

If applicable, was the client contacted? YES / NO ☒ NO Contact: _____ Date/Time: _____

Project Manager Signature / Date: _____

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

Form 201r22.xls (6/1/09)

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Total Extractable Hydrocarbons

Method SW8015MCALUFTC

Method Blank

Lab Name: ALS Environmental -- FC

Work Order Number: 1102061

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200294386

Lab ID: EX110208-2MB

Sample Matrix: WATER

% Moisture: N/A

Date Collected: N/A

Date Extracted: 08-Feb-11

Date Analyzed: 17-Feb-11

Prep Method: SW3510 Rev C

Prep Batch: EX110208-2

QCBatchID: EX110208-2-1

Run ID: HCD110217-3A

Cleanup: NONE

Basis: N/A

File Name: F3F38386

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 | 0.211 | | 0.25 | 85 | 60 - 140 |

Data Package ID: HCD1102061-1

Date Printed: Friday, February 18, 2011

ALS Environmental -- FC

LIMS Version: 6.455

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Total Extractable Hydrocarbons

Method SW8015MCALUFTC

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1102061

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200294386

| | |
|-----------|------------|
| Field ID: | Dahl WW PM |
| Lab ID: | 1102061-1 |

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 03-Feb-11

Date Extracted: 08-Feb-11

Date Analyzed: 18-Feb-11

Prep Method: SW3510 Rev C

Prep Batch: EX110208-2

QCBatchID: EX110208-2-1

Run ID: HCD110217-3A

Cleanup: NONE

Basis: As Received

File Name: F3F38389

Sample Aliquot: 1060 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 | 0.15 | 0.047 | H,Z | |

Surrogate Recovery

| CASNO | Surrogate Analyte | Result | Flag | Spike Amount | Percent Recovery | Control Limits |
|---------|-------------------|--------|------|--------------|------------------|----------------|
| 84-15-1 | O-TERPHENYL | 0.184 | | 0.236 | 78 | 60 - 140 |

The chromatogram for DIESEL RANGE ORGANICS indicates the presence of hydrocarbons in the range of C8-C34.

Data Package ID: HCD1102061-1

Date Printed: Friday, February 18, 2011

ALS Environmental -- FC

LIMS Version: 6.455

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Total Extractable Hydrocarbons

Method SW8015MCALUFTC

Sample Results

Lab Name: ALS Environmental -- FC

Work Order Number: 1102061

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200294386

| | |
|-----------|------------|
| Field ID: | Dahl WW AM |
| Lab ID: | 1102061-3 |

Sample Matrix: WATER

% Moisture: N/A

Date Collected: 03-Feb-11

Date Extracted: 08-Feb-11

Date Analyzed: 18-Feb-11

Prep Method: SW3510 Rev C

Prep Batch: EX110208-2

QCBatchID: EX110208-2-1

Run ID: HCD110217-3A

Cleanup: NONE

Basis: As Received

File Name: F3F38390

Sample Aliquot: 1020 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 | 1 | 0.049 | H,Z | |

Surrogate Recovery

| CASNO | Surrogate Analyte | Result | Flag | Spike Amount | Percent Recovery | Control Limits |
|---------|-------------------|--------|------|--------------|------------------|----------------|
| 84-15-1 | O-TERPHENYL | 0.2 | | 0.245 | 82 | 60 - 140 |

The chromatogram for DIESEL RANGE ORGANICS indicates the presence of hydrocarbons in the range of C8-C34.

Data Package ID: HCD1102061-1

Date Printed: Friday, February 18, 2011

ALS Environmental -- FC

LIMS Version: 6.455

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Total Extractable Hydrocarbons

Method SW8015MCALUFTC

Laboratory Control Sample and Laboratory Control Sample Duplicate

Lab Name: ALS Environmental -- FC

Work Order Number: 1102061

Client Name: Colorado Oil & Gas Conservation Commission

ClientProject ID: Complaint 200294386

Lab ID: EX110208-2LCS

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 02/08/2011
Date Analyzed: 02/17/2011
Prep Method: SW3510C

Prep Batch: EX110208-2
QCBatchID: EX110208-2-1
Run ID: HCD110217-3A
Cleanup: NONE
Basis: N/A
File Name: F3F38387

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 | 0.994 | 0.05 | | 99 | 60 - 140% |

Lab ID: EX110208-2LCSD

Sample Matrix: WATER
% Moisture: N/A
Date Collected: N/A
Date Extracted: 02/08/2011
Date Analyzed: 02/18/2011
Prep Method: SW3510C

Prep Batch: EX110208-2
QCBatchID: EX110208-2-1
Run ID: HCD110217-3A
Cleanup: NONE
Basis: N/A
File Name: F3F38388

Sample Aliquot: 1000 ml
Final Volume: 2.5 ml
Result Units: mg/l
Clean DF: 1

| CASNO | Target Analyte | Spike Added | LCSD Result | Reporting Limit | Result Qualifier | LCSD % Rec. | RPD Limit | RPD |
|------------|-----------------------|-------------|-------------|-----------------|------------------|-------------|-----------|-----|
| 68334-30-5 | DIESEL RANGE ORGANICS | 1 | 0.799 | 0.05 | | 80 | 50 | 22 |

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 | 104 | | 84 | | 60 - 140 |

Data Package ID: HCD1102061-1

Date Printed: Friday, February 18, 2011

ALS Environmental -- FC

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LIMS Version: 6.455

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38386.D
 Acq On : 17 Feb 11 11:06 PM
 Sample : EX110208-2MB
 Misc : water
 Quant Time: Feb 18 9:40 19111

Vial: 2
 Operator: jfn
 Inst : FUELS 3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 03 20:33:04 2011
 Response via : Multiple Level Calibration

Volume Inj. : 2uL
 Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
 Signal Info : FID

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|-----------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 2) S o-terphenyl | 14.36 | 372730 | 84.53 µg/ml ✓ |
| | Recovery | = | 84.53% |
| Target Compounds | | | |
| 1) H TEPH | 10.00 | 29890 | 0.25 µg/ml <i>BmK</i> |

EB
2/18/11

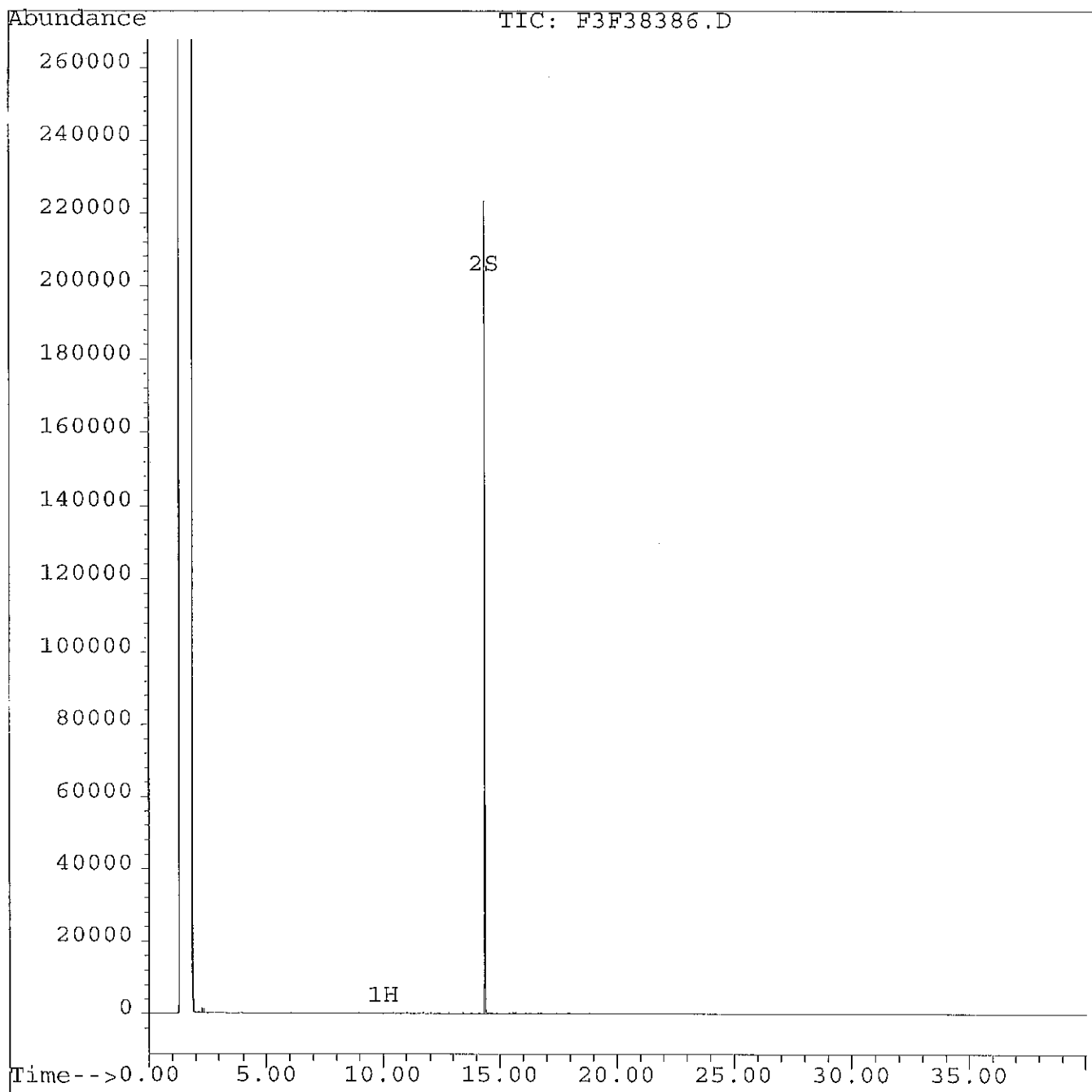
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38386.D
Acq On : 17 Feb 11 11:06 PM
Sample : EX110208-2MB
Misc : water
Quant Time: Feb 18 9:40 19111

Vial: 2
Operator: jfn
Inst : FUELS 3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 03 20:33:04 2011
Response via : Multiple Level Calibration

Volume Inj. : 2uL
Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38389.D
 Acq On : 18 Feb 11 01:34 AM
 Sample : 1102061-1
 Misc : water
 Quant Time: Feb 18 9:40 19111

Vial: 5
 Operator: jfn
 Inst : FUELS 3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 03 20:33:04 2011
 Response via : Multiple Level Calibration

Volume Inj. : 2uL
 Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
 Signal Info : FID

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|--------------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 2) S o-terphenyl | 14.36 | 344558 | 78.14 µg/ml ✓ |
| | Recovery | = | 78.14% |
| Target Compounds | | | |
| 1) H TEPH | 10.00 | 301862 | 64.41 µg/ml ✓ <i>A Z</i> |
| | | | <i>c 8-C34</i> |

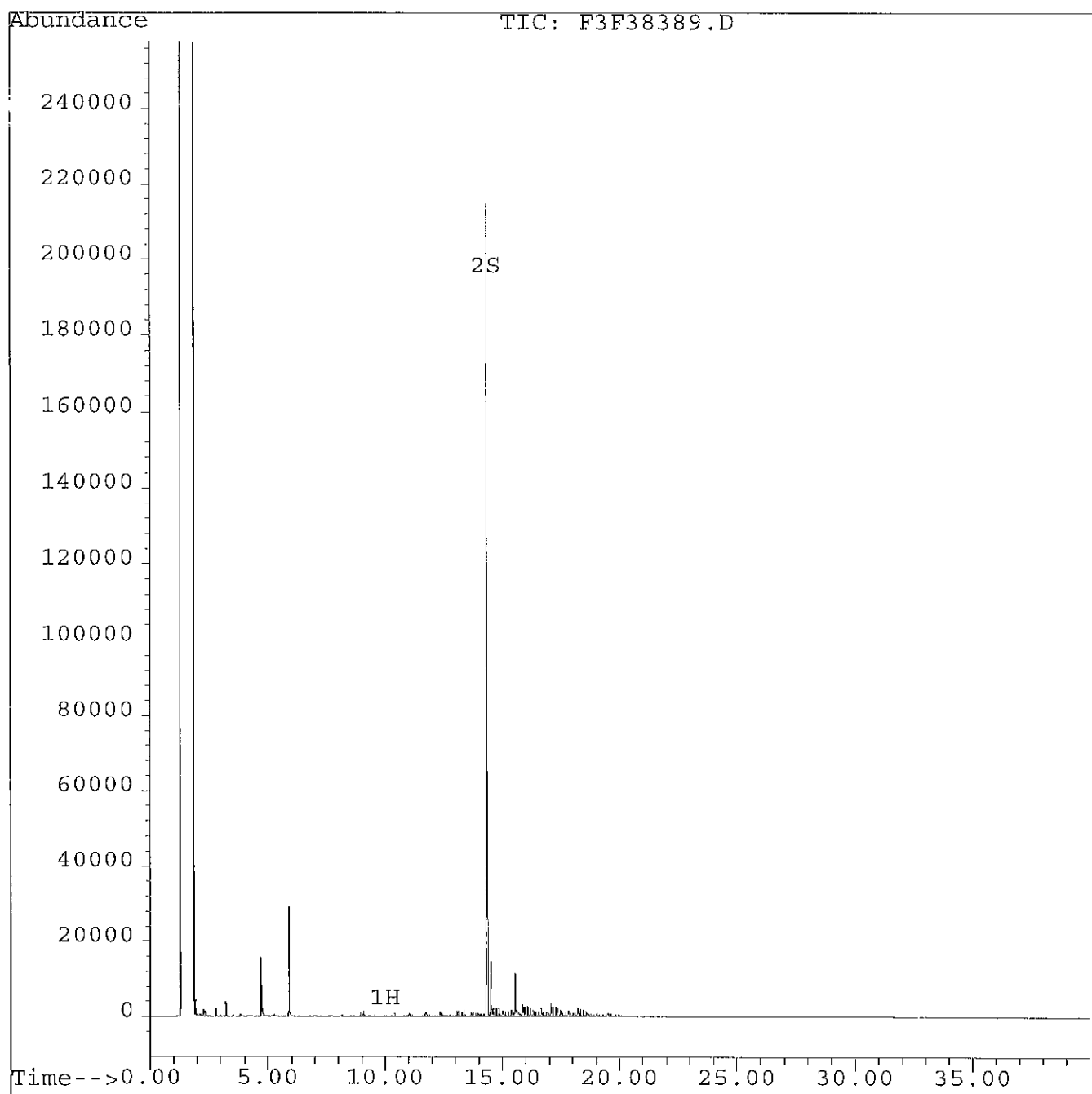
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38389.D
Acq On : 18 Feb 11 01:34 AM
Sample : 1102061-1
Misc : water
Quant Time: Feb 18 9:40 19111

Vial: 5
Operator: jfn
Inst : FUELS 3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 03 20:33:04 2011
Response via : Multiple Level Calibration

Volume Inj. : 2uL
Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38390.D
 Acq On : 18 Feb 11 02:23 AM
 Sample : 1102061-3
 Misc : water
 Quant Time: Feb 18 9:40 19111

Vial: 6
 Operator: jfn
 Inst : FUELS 3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 03 20:33:04 2011
 Response via : Multiple Level Calibration

Volume Inj. : 2uL
 Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
 Signal Info : FID

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|---|
| ----- | | | |
| System Monitoring Compounds | | | |
| 2) S o-terphenyl | 14.36 | 359676 | 81.57 µg/ml ✓ |
| | Recovery | = | 81.57% |
| Target Compounds | | | |
| 1) H TEPH | 10.00 | 1795595 | 416.84 µg/ml <i>ZH</i> <i>C8-C34</i> |

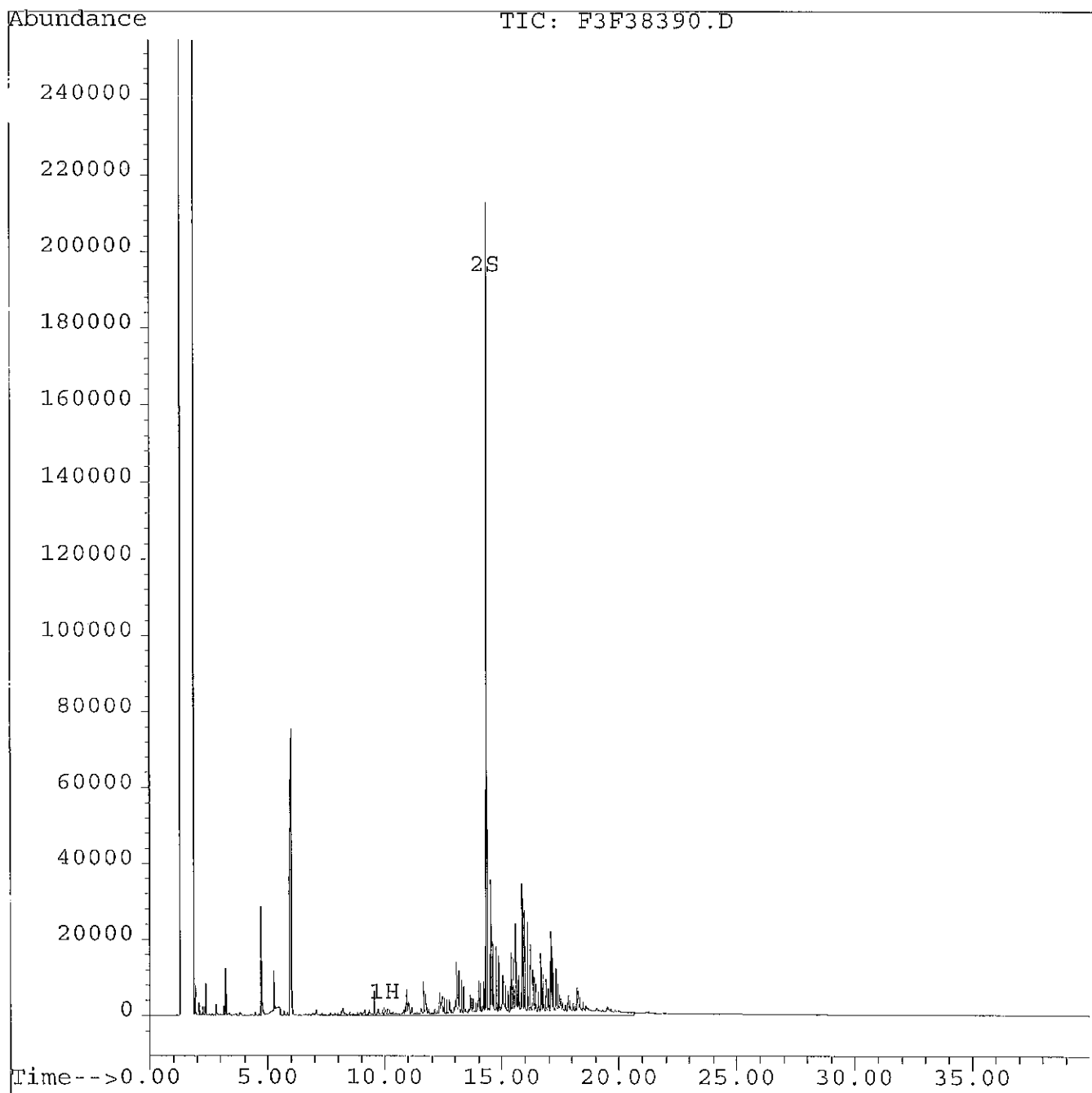
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38390.D
Acq On : 18 Feb 11 02:23 AM
Sample : 1102061-3
Misc : water
Quant Time: Feb 18 9:40 19111

Vial: 6
Operator: jfn
Inst : FUELS 3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 03 20:33:04 2011
Response via : Multiple Level Calibration

Volume Inj. : 2uL
Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38387.D
 Acq On : 17 Feb 11 11:55 PM
 Sample : EX110208-2LCS
 Misc : water
 Quant Time: Feb 18 9:40 19111

Vial: 3
 Operator: jfn
 Inst : FUELS 3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 03 20:33:04 2011
 Response via : Multiple Level Calibration

Volume Inj. : 2uL
 Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
 Signal Info : FID

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|--------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 2) S o-terphenyl | 14.37 | 460158 | 104.36 µg/ml ✓ |
| | Recovery | = | 104.36% |
| Target Compounds | | | |
| 1) H TEPH | 10.00 | 1714447 | 397.70 µg/ml ✓ 992 |

ef
2/18/11

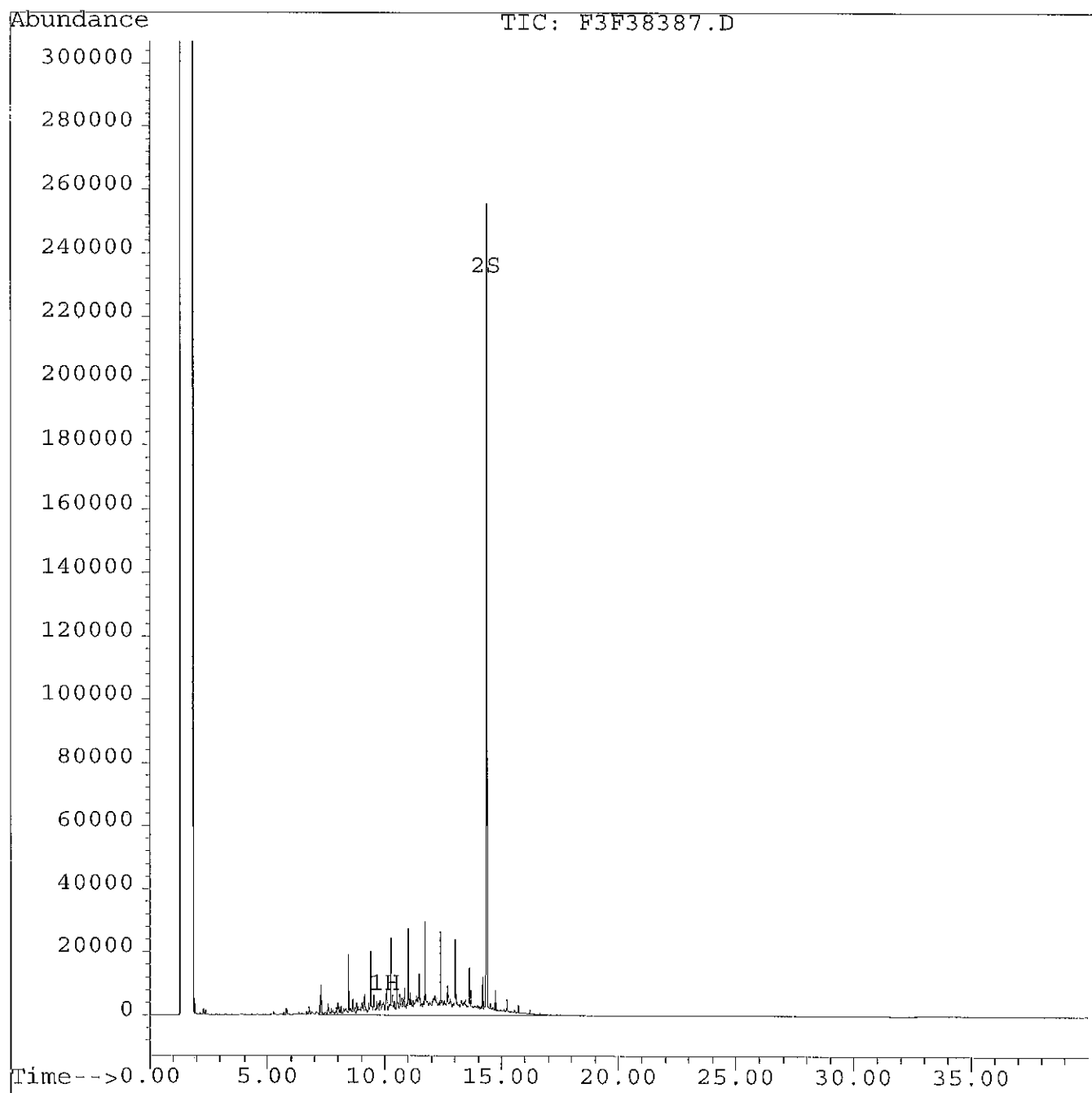
Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38387.D
Acq On : 17 Feb 11 11:55 PM
Sample : EX110208-2LCS
Misc : water
Quant Time: Feb 18 9:40 19111

Vial: 3
Operator: jfn
Inst : FUELS 3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 03 20:33:04 2011
Response via : Multiple Level Calibration

Volume Inj. : 2uL
Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25 μ m
Signal Info : FID



Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38388.D
 Acq On : 18 Feb 11 00:45 AM
 Sample : EX110208-2LCSD
 Misc : water
 Quant Time: Feb 18 9:40 19111

Vial: 4
 Operator: jfn
 Inst : FUELS 3
 Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
 Title : 8015Bmod, CALuft
 Last Update : Thu Feb 03 20:33:04 2011
 Response via : Multiple Level Calibration

Volume Inj. : 2uL
 Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25µm
 Signal Info : FID

| Compound | R.T. | Response | Conc Units |
|-----------------------------|----------|----------|------------------|
| ----- | | | |
| System Monitoring Compounds | | | |
| 2) S o-terphenyl | 14.36 | 371144 | 84.17 µg/ml ✓ |
| | Recovery | = | 84.17% |
| Target Compounds | | | |
| 1) H TEPH | 10.00 | 1382869 | 319.47 µg/ml 80% |

25
2/18/11

Quantitation Report

Data File : C:\HPCHEM\5\DATA\02172011\F3F38388.D
Acq On : 18 Feb 11 00:45 AM
Sample : EX110208-2LCSD
Misc : water
Quant Time: Feb 18 9:40 19111

Vial: 4
Operator: jfn
Inst : FUELS 3
Multiplr: 1.00

Method : C:\HPCHEM\5\METHODS\CL020211.M
Title : 8015Bmod, CALuft
Last Update : Thu Feb 03 20:33:04 2011
Response via : Multiple Level Calibration

Volume Inj. : 2uL
Signal Phase : ZB-5HT, 30m x 0.25mm x 0.25 μ m
Signal Info : FID

