908 North Temperance Ave. ∇ Clovis, CA 93611 ∇ Phone 559-275-2175 ∇ Fax 559-275-4422

Certification Number: CA1312
NELAP Certification number: CA00046
DoD-ELAP Certificate number: 4064.01

# Data Validatable Report

December 2, 2021

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97985

Project: 60571032 CV18F0126 Red Hill Fuel Storage, HI

Contract #: Prime contract # for DoD: NAVY CLEAN N62742-17-F-1800, CV18F0126
Subcontract: 18S-22209-HI27

Dear Ms. Ramos:

Two water samples were received October 27, 2021. Written results for the requested analyses are being provided on this December 2, 2021.

Results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

If you have any questions or require further information, please contact your APPL Project Manager, Libby Cheeseborough, libby@applinc.com, at your convenience. Thank you for choosing APPL, Inc.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. These test results meet all requirements of NELAC and DoD QSM. Release of the hard copy has been authorized by the Laboratory Manager or his designee, as verified by the following signature.

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

# Data Validation Package
# for
# 60571032 CV18F0126 Red Hill Fuel Storage
# APPL SDG 97985
# TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

# CASE NARRATIVE

# Case Narrative

ARF: 97985

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

## Sample Receipt Information:

Two water samples were received October 27, 2021 at 2.1°C. The sample group was assigned Analytical Request Form (ARF) number 97985.

## Sample Preparation and Analysis Information:

For the EPA 8015B analysis, the sample was extracted according to EPA method 3520C. The sample extracts were silica gel cleaned according to APPL's SOP CLN004 and placed on hold.

For the EPA 8015B analysis, pre-extraction sample blanks were extracted according to EPA method 3520C before the method QC and field samples. The sample blanks are included in this report.

For the EPA 8270D SIM analysis, the sample was extracted according to EPA method 3520C.

For the EPA 8260B analysis, the samples were purged according to EPA method 5030B.

For the EPA 9060 analysis, the samples were prepared according to the method.

Only the portion of the injection log relative to these samples is included. A full sequence log is available upon request. Measurement uncertainty can be reported upon request.

## Analytical Exceptions, Deviations and Abnormalities.

**EPA 8015B:** For the 211029A-LCS, Oil recovers above the upper control limit.

**EPA 8015B Blank:** For the 211028A-LCS, one surrogate recovers below the lower control limit.

**EPA 8270D SIM:** The surrogate 2-methylnaphthalebe-d10 recovered above the limit by 1%. No corrective action was taken.

| SDG | Received | Client ID | APPL ID | Collected DateTime | Matrix | Method | Method Description |
|---|---|---|---|---|---|---|---|
| 97985 | 10/27/2021 | ERH1855 | BA44375 | 10/26/2021 8:35:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97985 | 10/27/2021 | ERH1855 | BA44375 | 10/26/2021 8:35:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH WATER L-L SGC |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | 8270D-SIM | EPA 8270D SIM LIQ-LIQ |
| 97985 | 10/27/2021 | ERH1856 | BA44376 | 10/26/2021 9:05:00 AM | WATER | SW846 9060A | 9060A TOC |
| 97985 | 10/27/2021 | ERH1856 BLANK | BA44377 | 10/26/2021 9:05:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |

# Abbreviations and Flags

| FLAG | DESCRIPTION |
|---|---|
| # | Recovery or RPD outside control limits |
| * | Recovery or RPD outside control limits |
| B | Analyte detected in associated method blank |
| C1 | Reason for correction: wrote incorrect response |
| C2 | Reason for correction: calculated incorrectly |
| C3 | Reason for correction: needs to be rechecked |
| C4 | Reason for correction: data not usable |
| DO | Diluted out |
| E | Exceeds linear range |
| F | Estimated value |
| G1 | Includes a wide range of hydrocarbons which does not match our gasoline standard |
| G10 | Includes a match to hydrocarbon profiles within the range of mineral spirits |
| G11 | Includes a match to hydrocarbon profiles within the range of JP-4 |
| G12 | Pattern does not match the gasoline standard; the carbon range for this sample is consistent with JP8 |
| G13 | Closely resembles the hydrocarbon profile of aviation gasoline |
| G14 | Analyte concentration may be biased due to carry over |
| G2 | Closely resembles the boiling point hydrocarbon profile consistent with weathered gasoline |
| G3 | Includes higher boiling hydrocarbons |
| G4 | Includes dominant peak(s) not indicative of petroleum hydrocarbons |
| G5 | Is mainly dominant peak(s) not indicative of petroleum hydrocarbons |
| G6 | Contains recognizable contaminant peak(s) which has been removed from quantitation |
| G7 | Is mainly a match to hydrocarbons within the range of gasoline |
| G8 | Closely resembles the boiling point hydrocarbon profile consistent with weathered gasoline |
| G9 | Includes hydrocarbons within the range of kerosene |
| J | Estimated value |
| M | Matrix effect |
| MI1 | Manual integration: integration does not follow baseline |
| MI2 | Manual integration: non-target peak interference |
| MI3 | Manual integration: to split a peak that was integrated as one peak by the computer |
| MI4 | Manual integration: to integrate a split peak |
| MI5 | Manual integration: the whole peak or part of the peak was not integrated |
| MI6 | Manual integration: computer integrated wrong peak |
| MI7 | Manual integration: other - explain |
| MDL | Method detection limit |
| ND | Not detected |
| NT | Non-target |
| Q | Acceptance criteria not met |
| T1 I | Includes wide range of hydrocarbons not indicative of diesel |
| T1 M | Is mainly wide range of hydrocarbons not necessarily indicative of diesel |
| T2 I | Includes lower boiling hydrocarbons, i.e. mineral spirits, kerosene, stoddard solvent, white gas |
| T2 M | Is mainly lower boiling hydrocarbons, i.e. mineral spirits, kerosene, stoddard solvent, white gas |
| T3 I | Includes higher boiling hydrocarbons, i.e. asphaltene, waster oil, motor oil, or weathered diesel fuel |
| T3 M | Is mainly higher boiling hydrocarbons, i.e. asphaltene, waster oil, motor oil, or weathered diesel fuel |
| T4 I | Includes dominant peak(s) not indicative of hydrocarbons |
| T4 M | Is mainly dominant peak(s) not indicative of hydrocarbons |
| T5 | Contains recognizable contaminant peak(s) which has been removed from quantitation |
| T6 | Is mainly a match to hydrocarbons within range of diesel fuel |
| T7 | Closely resembles the boiling point hydrocarbon profile consistent with diesel fuel |
| T8 | Includes a match to hydrocarbon profiles within range of diesel and kerosene fuel |
| T9 I | Includes non-diesel hydrocarbons within boiling point range of diesel fuel |
| T9 M | Is mainly non-diesel hydrocarbons within boiling point range of diesel fuel. |
| Y | Percent difference between primary and confirmation column > 40% |

# SAMPLE RECORDS MANAGEMENT

## CHAIN OF CUSTODY,

## ARF, CRF, AND

## CLIENT COMMUNICATION

# APPL - Analysis Request Form 97985

Client: **AECOM**
Address: **1001 Bishop Street, Suite 1600**
**Honolulu, HI 96813**
Attn: **Alethea Ramos**
Phone: **808-954-4536** Fax: **808-523-8950**
Job: **60571032 CV18F0126 Red Hill Fuel Storage**
PO #: **18S-22209-HI27 PO# 102604**
Chain of Custody (Y/N): **Y** # **53110**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **MSA**
Date Received: **10/27/21** Time: **12:00**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **2.1°C**
Color: **VFRG/N-PurpleBlue**
Samples Chilled until Placed in Refrig/Freezer: **Y**
Project Manager: **Libby Cheesebor**
QC Report Type: **DVP4DOD/EQUIS/HI**
Due Date: **11/03/21**

Comments:
*PM: login and F1s to Margie.Pascua@aecom.com & alethea.ramos@aecom.com*
*AN: PLEASE INCLUDE STANDARD PREP SHEETS!!!!!!*
*AN: 7 day TAT for Form 1s; 21 day TAT for PKG STYLE 1; DOD v5.1; DOD Forms: LOD database*
*Report MS/MSD/DUPs when AECOM sample used*
*8270 SIM: 1-methylnaphthalene, 2-methylnaphthalene & naphthalene only.*
*TPH-D/O both with and w/o SGC, reverse surrog for SGC; DO NOT Q-DELETE.*
*FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas@la*
*EDD: AECOM EQuIS EDD 2.5.3 to alethea.ramos@, Margie.Pascua@aecom.com, jecklund@lab-data.com*

Sample Distribution:
**GC: 1-$DOC53SGCW5LIQ, 1-$DOC53W5LIQ, 1-$SIM53LIQ51, 1-$RHBLKETBLK**
**Extractions: 1-_LIQ003, 2-_LIQ005, 1-_LIQ005SGC**
**VOA: 2-$86BTOTXDOD5W, 2-$GASBL, 2-$GRO86BW**
**Wetlab: 1-$TOCW53**

Charges:

Invoice To:
**ACCOUNTS PAYABLE**
**1001 Bishop Street, Ste 1600**
**USAPImaging@aecom.com**
**mary.basano@aecom.com**

| | Client ID | APPL ID | Sampled | Analyses Requested |
|---|---|---|---|---|
| 1. | ERH1855 | LCSD BA44375W | 10/26/21 08:35 | $86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments |
| 2. | ERH1856 | LCSD BA44376W | 10/26/21 09:05 | $86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51, $TOCW53 -- See Comments |
| 3. | ERH1856 BLANK | LCSD BA44377W | 10/26/21 09:05 | $RHBLKETBLK -- See Comments |

Note: All times, excluding sample collection times, are Pacific Time Zone unless noted otherwise. Collection times are in: -10 UTC

# APPL Sample Receipt Form

ARF# **97985**

| Sample | Container Type | Count | p |
|---|---|---|---|
| **BA44375** | [13] VOAs - HCL | 4 | NA |
| **BA44376** | [13] VOAs - HCL | 4 | NA |
| | [17] Amber Liter | 2 | NA |
| | [32] Clear VOA - H2SO4 | 2 | NA |
| | [39] Amber Liter, HCL prsvd | 2 | 1.3 |
| **BA44377** | [39] Amber Liter, HCL prsvd | 1 | NA |

| Sample | Container Type | Count | p |
|---|---|---|---|

7/7 07
1/1

APPL LABS

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611
www.applinc.com

Phone: (559) 275-2175
Fax: (559) 275-4422
coc@applinc.com

# CHAIN OF CUSTODY RECORD

C.O.C. 53110 NOI

| Report to: PLEASE PRINT | Invoice to: PLEASE PRINT |
|---|---|
| Company Name: _____ Phone: _____ | Company Name: _____ Phone: _____ |
| Address: AECOM<br>1001 Bishop St., Suite 1600<br>Honolulu, HI 96813<br>Attn: Alethea Ramos (808)521-3051<br>Alethea.Ramos@aecom.com<br>CV_18F0126 / 60571032 | Address: _____<br>Fax: _____<br>**Accounts Payable**<br>Attn: _ Email: *USAPImaging@aecom.com* |
| Email: _____ | Email: _____ |

| Project Name/Number | Sampler (Print) |
|---|---|
| 60571032.02.20.01 | KL, NL, MM, CF |
| **Purchase Order Number** | **Sampler (Signature)** |
| 102604 | for KL, NL, MM, CF |

| Sample Identification | Location | Date Collected | Time Collected | Time Zone | No. of Containers | Matrix: Aq | Matrix: Sed. | Matrix: Soil | Analysis Requested/Method Number: BTEX 8260D | TPH-G 8260D | TPH-d/o 8015 | TPH-d/o 3630C 8015 | PAH Short List 8270D SIM | TOCVy 9060 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERH1555 | Trip Blank | 10/26/21 | 8:35 | HST | 4 | X | | | X | X | | | | |
| ERH1556 | RHMW2254-01 | 10/26/21 | 9:05 | ↓ | 10 | X | | | X | X | X | X | X* | X |

Date Shipped: 10/26/21
Carrier: FedEx
Waybill No.:
Comments:
Note: Log NOI in separate SDG from other COC's.

TPH-d/o and PAH's need liquid-liquid extraction,
*Naphthalene
1-methylnaphthalene

10/26/21

| Shuttle Temperature: | Turnaround Requested/Check one | Sample Disposal: |
|---|---|---|
| R3 Li.0/21 | ☐ Standard 2-3 wk ☑ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other: _____ | ☐ Return to client ☑ Disposal by Lab (30-day retention) |

| Relinquished by sampler: | Date | Time | Received by: | Relinquished by: | Date | Time | Received by: |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Relinquished by: Tianzhen Nie | Date 10/26/21 | Time 15:00 | Received by: | Relinquished by: | Date 10/27/21 | Time 1200 | Received at lab by: Barnes Holmes |

White: Return to client with report  Yellow: Laboratory Copy  See reverse side for Container Preservative and Sampling Information

**COOLER RECEIPT FORM** **ARF: 97985**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 10/27/2021

**2) Coolers:** Number of Coolers: 1

3) YES Were custody seals present and intact?
How many? 2 Name/Date on seal? SEE BELOW

4) YES Was there a shipping slip? Carrier name: FEDEX

5) Type of packing in cooler: X bubble wrap __ popcorn __ foam X plastic bags __ other
X wet ice __ dry ice __ no ice __ gel ice

6) YES Were cooler temperatures acceptable?

7) Serial number of calibrated thermometer used: R3 @ -1.9 °C

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp
1: 4.0/2.1 2: ____ 3: ____ 4: ____ 5: ____ 6: ____
7: ____ 8: ____ 9: ____ 10: ____ 11: ____ 12: ____

**Chain of custody:**

9) YES Was a chain of custody received?

10) YES Were the custody papers complete/signed in the appropriate places?

**Sample Labels:**

11) YES Were all sample labels complete (sample ID, date/time of sampling, etc.)?

12) YES Did all container labels agree with custody papers?

**Sample Containers:**

13) YES Were all containers sealed in separate bags?

14) YES Did all containers arrive in good condition:(unbroken, no leakage, no cracked/broken lids)?

15) YES Were correct containers and preservatives used for the tests indicated?

16) YES Was a sufficient amount of sample sent for tests indicated?

17) YES Were bubbles present in volatile samples?
If yes, the following were received with air bubbles:
Larger than a pea: ____
Smaller than a pea: BA44375 w04, BA44376 w04

**Preservation Hold time:**

18) YES Was a sufficient amount of holding time remaining to analyze the samples?

19) YES Was the pH taken of all non-VOA preserved samples and written on the sample container?

20) YES Was the pH of acid preserved non-VOA samples < 2?

21) NA Was the pH of the "basic" preserved samples for Cyanide > 12, Sulfide >9, Hexchrom >9?

22) NA Were unpreserved VOA Vials received for VOA Dept analysis?

23) NA If "yes", are the unpreserved VOA vials noted in the ADD TEST FIELD on the ARF?
pH strip lot number: HC029115
Lab notified if pH was not adequate: ____

Notes/Deficiencies:

**CUSTODY SEAL** LTM
APPL, Inc. (559) 275-2175
**Initials** MY **Date** 10/26/21

Personnel receiving samples: DH Second reviewer: MS
Personnel labeling samples: CG
Project manager notified: DH Date/Time of notification 10/27/2021
Name of client notified: ____ Date/Time of notification ____

# SAMPLE RESULTS

# EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856**

**APPL ID: BA44376**

Sample Collection Date: 10/26/21

QCG: #DOC53-211029A1-270406

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/21 | 11/10/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/21 | 11/10/21 |
| EPA 8015B-e | SURROGATE: (R) DECANOIC ACID (S) | 0.0 | 0-1 | | | % | 10/29/21 | 11/10/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 72.7 | 60-142 | | | % | 10/29/21 | 11/10/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 59.1 | 56-125 | | | % | 10/29/21 | 11/10/21 |

| | |
|---|---|
| Quant Method: | DEC0911.M |
| Run #: | 1110012 |
| Instrument: | Apollo |
| Sequence: | 211110 |
| Dilution Factor: | 1 |
| Initials: | KAB |

*Printed: 11/13/2021 10:55:11 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856**

**APPL ID: BA44376**

Sample Collection Date: 10/26/21

QCG: #DOC53-211029A-270404

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/21 | 11/04/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/21 | 11/04/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 90.0 | 60-142 | | | % | 10/29/21 | 11/04/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 73.4 | 56-125 | | | % | 10/29/21 | 11/04/21 |

| | |
|---|---|
| Quant Method: | DOC1028.M |
| Run #: | 1101119 |
| Instrument: | Apollo |
| Sequence: | 211101 |
| Dilution Factor: | 1 |
| Initials: | KAB |

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*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8015B TPH LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856 BLANK**

**APPL ID: BA44377**

Sample Collection Date: 10/26/21

QCG: #RHBLK-211028A-269858

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/28/21 | 11/02/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/28/21 | 11/02/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 78.0 | 60-142 | | | % | 10/28/21 | 11/02/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 64.8 | 56-125 | | | % | 10/28/21 | 11/02/21 |

| | |
|---|---|
| Quant Method: | DOC1028.M |
| Run #: | 1101047 |
| Instrument: | Apollo |
| Sequence: | 211101 |
| Dilution Factor: | 1 |
| Initials: | KAB |

*Printed: 11/13/2021 10:55:11 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8270D SIM LIQ-LIQ

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856**

**APPL ID: BA44376**

Sample Collection Date: 10/26/21

QCG: #SIM53-211028A-270157

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| 8270D-SIM | 1-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/21 | 11/03/21 |
| 8270D-SIM | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/21 | 11/03/21 |
| 8270D-SIM | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/21 | 11/03/21 |
| 8270D-SIM | SURROGATE: 2-METHYLNAPHTHALEN | 91.0 | 39-114 | | | % | 10/28/21 | 11/03/21 |
| 8270D-SIM | SURROGATE: FLUORANTHENE-D10 (S | 90.9 | 58-120 | | | % | 10/28/21 | 11/03/21 |

| | |
|---|---|
| Quant Method: | K1019.M |
| Run #: | 1019K240 |
| Instrument: | KYLO |
| Sequence: | 211019 |
| Dilution Factor: | 1 |
| Initials: | MA |

*Printed: 12/2/2021 7:43:01 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1855**

**APPL ID: BA44375**

Sample Collection Date: 10/26/21

QCG: #86BTO-211102AM-269863

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8260B | BENZENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 103 | 81-118 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 95.7 | 85-114 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 106 | 80-119 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 100 | 89-112 | | | % | 11/02/21 | 11/02/21 |

| | |
|---|---|
| Quant Method: | M1015W.M |
| Run #: | 1102M14 |
| Instrument: | Max |
| Sequence: | 211029 |
| Dilution Factor: | 1 |
| Initials: | PAN |

*Printed: 11/8/2021 8:33:30 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856**

**APPL ID: BA44376**

Sample Collection Date: 10/26/21

QCG: #86BTO-211102AM-269863

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8260B | BENZENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 99.1 | 81-118 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 95.9 | 85-114 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 103 | 80-119 | | | % | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 102 | 89-112 | | | % | 11/02/21 | 11/02/21 |

Quant Method: M1015W.M
Run #: 1102M15
Instrument: Max
Sequence: 211029
Dilution Factor: 1
Initials: PAN

*Printed: 11/8/2021 8:33:30 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1855**

**APPL ID: BA44375**

Sample Collection Date: 10/26/21

QCG: #GRO86-211102AM-271097

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8260B | GASOLINE RANGE ORGANICS | 18.0 U | 20 | 18.0 | 8.6 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 97.1 | 85-114 | | | % | 11/02/21 | 11/02/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 1102M14 |
| Instrument: | Max |
| Sequence: | 211029 |
| Dilution Factor: | 1 |
| Initials: | PAN |

*Printed: 12/1/2021 8:40:50 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# EPA 8260B GRO WATER

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 97985

**Sample ID: ERH1856**

**APPL ID: BA44376**

Sample Collection Date: 10/26/21

QCG: #GRO86-211102AM-271097

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8260B | GASOLINE RANGE ORGANICS | 18.0 U | 20 | 18.0 | 8.6 | ug/L | 11/02/21 | 11/02/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 97.3 | 85-114 | | | % | 11/02/21 | 11/02/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 1102M15 |
| Instrument: | Max |
| Sequence: | 211029 |
| Dilution Factor: | 1 |
| Initials: | PAN |

*Printed: 12/1/2021 8:40:50 AM*

*APPL-F1-SC-NoMC-REG MDLs-DOD*

# Wet Lab Analysis

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

***Sample ID: ERH1856***

**APPL ID: BA44376**

Sample Collection Date: 10/26/2021

ARF: 97985

| Method | Analyte | Result | LOQ | LOD | DL | Units | DF | Prep Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|---|
| SW846 9060A | TOTAL ORGANIC CARBON | 0.16 J | 0.93 | 0.350 | 0.130 | mg/L | 1 | 11/13/21 | 11/13/21 |

J = Estimated value.

*Printed: 11/15/2021 11:07:46 AM*

*APPL-F1-SC-NoMC-REG MDLs*

# QC FORMS

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/3/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: OCTACOSANE (S) | | | SURROGATE: ORTHO-TERPHENYL (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211029A-BLK | Blank | 60-142 | 94.3 | | 56-125 | 77.4 | |
| 211029A-LCS | Lab Control Spike | 60-142 | 94.7 | | 56-125 | 90.7 | |
| 211029A-LCSD | Lab Control SpikeD | 60-142 | 87.3 | | 56-125 | 84.0 | |
| BA44376 | ERH1856 | 60-142 | 90.0 | | 56-125 | 73.4 | |

Comments: Batch: #DOC53-211029A

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/10/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: (R) DECANOIC ACID (S) | | | SURROGATE: OCTACOSANE (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211029A1-BLK | Blank | 0-1 | 0.0 | | 60-142 | 72.8 | |
| 211029A1-LCS | Lab Control Spike | 0-1 | 0.0 | | 60-142 | 72.0 | |
| 211029A1-LCSD | Lab Control SpikeD | 0-1 | 0.0 | | 60-142 | 72.7 | |
| BA44376 | ERH1856 | 0-1 | 0.0 | | 60-142 | 72.7 | |

Comments: Batch: #DOC53-211029A1

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/10/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: ORTHO-TERPHENYL (S) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211029A1-BLK | Blank | 56-125 | 60.6 | | | | |
| 211029A1-LCS | Lab Control Spike | 56-125 | 68.0 | | | | |
| 211029A1-LCSD | Lab Control SpikeD | 56-125 | 70.0 | | | | |
| BA44376 | ERH1856 | 56-125 | 59.1 | | | | |

Comments: Batch: #DOC53-211029A1

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: OCTACOSANE (S) | | | SURROGATE: ORTHO-TERPHENYL (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211028A-BLK | Blank | 60-142 | 84.3 | | 56-125 | 69.4 | |
| 211028A-LCS | Lab Control Spike | 60-142 | 66.5 | | 56-125 | 55.3 | * |
| 211028A-LCSD | Lab Control SpikeD | 60-142 | 79.3 | | 56-125 | 65.5 | |
| BA44377 | ERH1856 BLANK | 60-142 | 78.0 | | 56-125 | 64.8 | |

Comments: Batch: #RHBLK-211028A

* = Recovery outside of Control Limits on QC Sample.

# EPA 8015B-eH

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/3/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| Blank ID: | 211029A-BLK | Time Analyzed: | 2310 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211029A-BLK | Blank | 1101116 | 11/3/2021 2310 |
| 211029A-LCS | Lab Control Spike | 1101117 | 11/3/2021 2338 |
| 211029A-LCSD | Lab Control SpikeD | 1101118 | 11/4/2021 0007 |
| BA44376 | ERH1856 | 1101119 | 11/4/2021 0035 |

Comments: Batch: #DOC53-211029A

# EPA 8015B-eH

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/10/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| Blank ID: | 211029A1-BLK | Time Analyzed: | 1407 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211029A1-BLK | Blank | 1110009 | 11/10/2021 1407 |
| 211029A1-LCS | Lab Control Spike | 1110010 | 11/10/2021 1435 |
| 211029A1-LCSD | Lab Control SpikeD | 1110011 | 11/10/2021 1503 |
| BA44376 | ERH1856 | 1110012 | 11/10/2021 1531 |

Comments: Batch: #DOC53-211029A1

# EPA 8015B-eH

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| Blank ID: | 211028A-BLK | Time Analyzed: | 1319 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211028A-BLK | Blank | 1101044 | 11/2/2021 1319 |
| 211028A-LCS | Lab Control Spike | 1101045 | 11/2/2021 1347 |
| 211028A-LCSD | Lab Control SpikeD | 1101046 | 11/2/2021 1415 |
| BA44377 | ERH1856 BLANK | 1101047 | 11/2/2021 1444 |

Comments: Batch: #RHBLK-211028A

# Method Blank
## EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **211028W-44377 - 269858**
Batch ID: #RHBLK-211028A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/28/2021 | 11/2/2021 |
| BLANK | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/28/2021 | 11/2/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 84.3 | 60-142 | | | % | 10/28/2021 | 11/2/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 69.4 | 56-125 | | | % | 10/28/2021 | 11/2/2021 |

Quant Method: DOC1028.M
Run #: 1101044
Instrument: Apollo
Sequence: 211101
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 11/13/2021 11:00:13 AM*

# Method Blank
## EPA 8015B TPH LIQ-LIQ

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211029W-44376 - 270404**
Batch ID: #DOC53-211029A

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/2021 | 11/3/2021 |
| BLANK | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/2021 | 11/3/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 94.3 | 60-142 | | | % | 10/29/2021 | 11/3/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 77.4 | 56-125 | | | % | 10/29/2021 | 11/3/2021 |

Quant Method: DOC1028.M
Run #: 1101116
Instrument: Apollo
Sequence: 211101
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 11/13/2021 11:00:13 AM*

# Method Blank
## EPA 8015B TPH WATER L-L SGC

Blank Name/QCG: **211029W-44376 - 270406**
Batch ID: #DOC53-211029A1

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | DIESEL (C10-C24) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/2021 | 11/10/2021 |
| BLANK | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 10/29/2021 | 11/10/2021 |
| BLANK | SURROGATE: (R) DECANOIC AC | 0.0 | 0-1 | | | % | 10/29/2021 | 11/10/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 72.8 | 60-142 | | | % | 10/29/2021 | 11/10/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 60.6 | 56-125 | | | % | 10/29/2021 | 11/10/2021 |

Quant Method: DEC0911.M
Run #: 1110009
Instrument: Apollo
Sequence: 211110
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 11/13/2021 11:00:13 AM*

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/3/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 211029A-LCS | Time Analyzed: | 2338 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211029A-BLK | Blank | 1101116 | 11/3/2021 2310 |
| 211029A-LCS | Lab Control Spike | 1101117 | 11/3/2021 2338 |
| 211029A-LCSD | Lab Control SpikeD | 1101118 | 11/4/2021 0007 |
| BA44376 | ERH1856 | 1101119 | 11/4/2021 0035 |

Comments: Batch: #DOC53-211029A

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/10/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 211029A1-LCS | Time Analyzed: | 1435 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211029A1-BLK | Blank | 1110009 | 11/10/2021 1407 |
| 211029A1-LCS | Lab Control Spike | 1110010 | 11/10/2021 1435 |
| 211029A1-LCSD | Lab Control SpikeD | 1110011 | 11/10/2021 1503 |
| BA44376 | ERH1856 | 1110012 | 11/10/2021 1531 |

Comments: Batch: #DOC53-211029A1

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 211028A-LCS | Time Analyzed: | 1347 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211028A-BLK | Blank | 1101044 | 11/2/2021 1319 |
| 211028A-LCS | Lab Control Spike | 1101045 | 11/2/2021 1347 |
| 211028A-LCSD | Lab Control SpikeD | 1101046 | 11/2/2021 1415 |
| BA44377 | ERH1856 BLANK | 1101047 | 11/2/2021 1444 |

Comments: Batch: #RHBLK-211028A

# Laboratory Control Spike Recoveries
## EPA 8015B TPH LIQ-LIQ

APPL ID: **211029W-44376 LCS - 270404**
Batch ID: #DOC53-211029A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| DIESEL (C10-C24) | 2000 | 2100 | 1980 | 105 | 99.0 | 36-132 | 5.9 | 30 |
| OIL (C24-C40) | 2000 | 2320 | 2180 | 116 # | 109 | 41-113 | 6.2 | 30 |
| SURROGATE: OCTACOSANE (S) | 150 | 142 | 131 | 94.7 | 87.3 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 136 | 126 | 90.7 | 84.0 | 56-125 | | |

# = Recovery is outside QC limits.

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DOC1028.M | DOC1028.M |
| Extraction Date : | 10/29/2021 | 10/29/2021 |
| Analysis Date : | 11/3/2021 | 11/4/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 1101117 | 1101118 |
| Initials : | KAB | |

# Laboratory Control Spike Recoveries
## EPA 8015B TPH WATER L-L SGC

APPL ID: **211029W-44376 LCS - 270406**
Batch ID: #DOC53-211029A1

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| DIESEL (C10-C24) | 2000 | 1580 | 1680 | 79.0 | 84.0 | 36-132 | 6.1 | 30 |
| OIL (C24-C40) | 2000 | 1810 | 1870 | 90.5 | 93.5 | 41-113 | 3.3 | 30 |
| SURROGATE: (R) DECANOIC ACID (S) | 10.00 | 0 | 0 | 0.0 | 0.0 | 0-1 | | |
| SURROGATE: OCTACOSANE (S) | 150 | 108 | 109 | 72.0 | 72.7 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 102 | 105 | 68.0 | 70.0 | 56-125 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DEC0911.M | DEC0911.M |
| Extraction Date : | 10/29/2021 | 10/29/2021 |
| Analysis Date : | 11/10/2021 | 11/10/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 1110010 | 1110011 |
| Initials : | KAB | |

# Laboratory Control Spike Recoveries
## EPA 8015B TPH LIQ-LIQ

APPL ID: **211028W-44377 LCS - 269858**
Batch ID: #RHBLK-211028A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| DIESEL (C10-C24) | 0 | 32.1 | 38.1 | NA | NA | 36-132 | | 30 |
| OIL (C24-C40) | 0 | 39.9 | 66.6 | NA | NA | 41-113 | | 30 |
| SURROGATE: OCTACOSANE (S) | 150 | 99.7 | 119 | 66.5 | 79.3 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 83.0 | 98.3 | 55.3 # | 65.5 | 56-125 | | |

# = Recovery is outside QC limits.

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DOC1028.M | DOC1028.M |
| Extraction Date : | 10/28/2021 | 10/28/2021 |
| Analysis Date : | 11/2/2021 | 11/2/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 1101045 | 1101046 |
| Initials : | KAB | |

# 8270D-SIM

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/3/2021

Matrix: WATER Instrument: KYLO

| APPL ID. | Client Sample No. | SURROGATE: 2-METHYLNAPHTHALENE-D10 (S) | | | SURROGATE: FLUORANTHENE-D10 (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211028A-BLK | Blank | 39-114 | 116 | # | 58-120 | 111 | |
| 211028A-LCSD | Lab Control SpikeD | 39-114 | 111 | | 58-120 | 108 | |
| BA44376 | ERH1856 | 39-114 | 91.0 | | 58-120 | 90.9 | |
| 211028A-LCS | Lab Control Spike | 39-114 | 99.0 | | 58-120 | 90.0 | |

Comments: Batch: #SIM53-211028A

# = Recovery outside of Control Limits on Sample.

# 8270D-SIM

Form 4

## Blank Summary

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/3/2021

Matrix: WATER Instrument: KYLO

Blank ID: 211028A-BLK Time Analyzed: 0904

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211028A-BLK | Blank | 1019K237 | 11/3/2021 0904 |
| 211028A-LCSD | Lab Control SpikeD | 1019K239 | 11/3/2021 0944 |
| BA44376 | ERH1856 | 1019K240 | 11/3/2021 1004 |
| 211028A-LCS | Lab Control Spike | 1019K271 | 11/3/2021 2024 |

Comments: Batch: #SIM53-211028A

# Method Blank
## EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **211028W-44410 - 270157**
Batch ID: #SIM53-211028A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | 1-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/2021 | 11/3/2021 |
| BLANK | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/2021 | 11/3/2021 |
| BLANK | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 10/28/2021 | 11/3/2021 |
| BLANK | SURROGATE: 2-METHYLNAPHT | 116 # | 39-114 | | | % | 10/28/2021 | 11/3/2021 |
| BLANK | SURROGATE: FLUORANTHENE- | 111 | 58-120 | | | % | 10/28/2021 | 11/3/2021 |

# = Recovery (or RPD) is outside QC limits.

Quant Method: K1019.M
Run #: 1019K237
Instrument: KYLO
Sequence: 211019
Initials: MA

*GC SC-Blank-REG MDLs-DOD*
*Printed: 12/2/2021 7:44:06 AM*

# 8270D-SIM

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/3/2021 |
| Matrix: | WATER | Instrument: | KYLO |
| LCS ID: | 211028A-LCS | Time Analyzed: | 2024 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211028A-BLK | Blank | 1019K237 | 11/3/2021 0904 |
| 211028A-LCSD | Lab Control SpikeD | 1019K239 | 11/3/2021 0944 |
| BA44376 | ERH1856 | 1019K240 | 11/3/2021 1004 |
| 211028A-LCS | Lab Control Spike | 1019K271 | 11/3/2021 2024 |

Comments: Batch: #SIM53-211028A

# Laboratory Control Spike Recoveries
## EPA 8270D SIM LIQ-LIQ

APPL ID: **211028W-44410 LCS - 270157**
Batch ID: #SIM53-211028A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| 1-METHYLNAPHTHALENE | 5.00 | 4.88 | 5.40 | 97.6 | 108 | 41-115 | 10.1 | 20 |
| 2-METHYLNAPHTHALENE | 5.00 | 4.90 | 5.43 | 98.0 | 109 | 39-114 | 10.3 | 20 |
| NAPHTHALENE | 5.00 | 4.74 | 5.23 | 94.8 | 105 | 43-114 | 9.8 | 20 |
| SURROGATE: 2-METHYLNAPHTHALEN | 5.00 | 4.95 | 5.57 | 99.0 | 111 | 39-114 | | |
| SURROGATE: FLUORANTHENE-D10 (S) | 5.00 | 4.50 | 5.42 | 90.0 | 108 | 58-120 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | K1019.M | K1019.M |
| Extraction Date : | 10/28/2021 | 10/28/2021 |
| Analysis Date : | 11/3/2021 | 11/3/2021 |
| Instrument : | KYLO | KYLO |
| Run : | 1019K271 | 1019K239 |
| Initials : | MA | |

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1019K001.D

SDG No:
Date Analyzed: 10/19/2021
Instrument: KYLO
Time Analyzed: 13:58

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 0.1 ug/ml 10/13/21 | 1019K002.D | 10/19/2021 14:09 |
| 2 | | 0.2 ug/ml 10/13/21 | 1019K003.D | 10/19/2021 14:29 |
| 3 | | 0.5 ug/ml 10/13/21 | 1019K004.D | 10/19/2021 14:49 |
| 4 | | 1 ug/ml 10/13/21 | 1019K005.D | 10/19/2021 15:09 |
| 5 | | 5 ug/ml 10/13/21 | 1019K006.D | 10/19/2021 15:29 |
| 6 | | 10 ug/ml 10/13/21 | 1019K007.D | 10/19/2021 15:49 |
| 7 | | 50 ug/ml 10/13/21 | 1019K008.D | 10/19/2021 16:09 |
| 8 | | 100 ug/ml 10/13/21 | 1019K009.D | 10/19/2021 16:29 |
| 9 | | SS ug/ml 10/13/21 | 1019K010.D | 10/19/2021 16:49 |
| 10 | | | | |
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| m/e | | |
|---|---|---|
| 51 | 10 - 80% of mass 198 | 36.8 |
| 68 | 0 - 2% of mass 69 | 1.7 |
| 70 | 0 - 2% of mass 69 | 0.4 |
| 127 | 10 - 80% of mass 198 | 54.6 |
| 197 | 0 - 2% of mass 198 | 0.2 |
| 198 | 100 - 100% of mass 198 | 100.0 |
| 199 | 5 - 9% of mass 198 | 6.5 |
| 275 | 10 - 60% of mass 198 | 23.2 |
| 365 | 1 - 100% of mass 198 | 2.5 |
| 441 | 0.01 - 24% of mass 442 | 13.9 |
| 442 | 50 - 500% of mass 198 | 73.4 |
| 443 | 15 - 24% of mass 442 | 18.4 |

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97985
Case No: 97985 Date Analyzed: 11/3/2021
Matrix: Water Instrument: KYLO
ID: 1019K235.D Time Analyzed: 8:33

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | ERH1856 | BA44376W07 1/1000 | 1019K240.D | 11/3/2021 10:04 |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
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| 22 | | | | |

| m/e | | |
|---|---|---|
| 51 | 10 - 80% of mass 198 | 31.4 |
| 68 | 0 - 2% of mass 69 | 1.5 |
| 70 | 0 - 2% of mass 69 | 0.5 |
| 127 | 10 - 80% of mass 198 | 51.7 |
| 197 | 0 - 2% of mass 198 | 0.0 |
| 198 | 100 - 100% of mass 198 | 100.0 |
| 199 | 5 - 9% of mass 198 | 6.8 |
| 275 | 10 - 60% of mass 198 | 23.6 |
| 365 | 1 - 100% of mass 198 | 2.7 |
| 441 | 0.01 - 24% of mass 442 | 14.1 |
| 442 | 50 - 500% of mass 198 | 80.8 |
| 443 | 15 - 24% of mass 442 | 18.5 |

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K007.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 15:49

GC Column: ID: Heated Purge: (Y/N)

| | | Napthalene-D8(IS) | | Acenaphthene-D10(IS) | | Phenanthrene-D10(IS) | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 11510 | 3.92 | 5675 | 5.86 | 8972 | 7.56 |
| | UPPER LIMIT | 23020 | 4.09 | 11350 | 6.03 | 17944 | 7.73 |
| | LOWER LIMIT | 5755 | 3.75 | 2838 | 5.69 | 4486 | 7.39 |
| | SAMPLE NO. | | | | | | |
| 01 | BA44376W07 1/1000 | 14405 | 3.89 | 7146 | 5.82 | 11959 | 7.52 |
| 02 | | | | | | | |
| 03 | | | | | | | |
| 04 | | | | | | | |
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| 22 | | | | | | | |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1019K007.D Date Analyzed: 10/19/21

Instrument ID: KYLO Time Analyzed: 15:49

GC Column: ID: Heated Purge: (Y/N)

| | | Chrysene-D12(IS) | | Perylene-D12(IS) | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 10664 | 10.62 | 9232 | 12.83 | | |
| | UPPER LIMIT | 21328 | 10.79 | 18464 | 13.00 | | |
| | LOWER LIMIT | 5332 | 10.45 | 4616 | 12.66 | | |
| | SAMPLE NO. | | | | | | |
| 01 | BA44376W07 1/1000 | 14817 | 10.57 | 13517 | 12.76 | | |
| 02 | | | | | | | |
| 03 | | | | | | | |
| 04 | | | | | | | |
| 05 | | | | | | | |
| 06 | | | | | | | |
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| 22 | | | | | | | |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

# EPA 8260B

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: Max

| APPL ID. | Client Sample No. | SURROGATE: 1,2-DICHLOROETHANE-D4 (S) | | | SURROGATE: 4-BROMOFLUOROBENZENE (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211102AM-LCS | Lab Control Spike | 81-118 | 102 | | 85-114 | 102 | |
| 211102AM-LCSD | Lab Control SpikeD | 81-118 | 106 | | 85-114 | 100 | |
| 211102AM-BLK | Blank | 81-118 | 100 | | 85-114 | 96.2 | |
| BA44375 | ERH1855 | 81-118 | 103 | | 85-114 | 95.7 | |
| BA44376 | ERH1856 | 81-118 | 99.1 | | 85-114 | 95.9 | |

Comments: Batch: #86BTO-211102AM

# EPA 8260B

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: Max

| APPL ID. | Client Sample No. | SURROGATE: DIBROMOFLUOROMETHANE (S) | | | SURROGATE: TOLUENE-D8 (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211102AM-LCS | Lab Control Spike | 80-119 | 100 | | 89-112 | 101 | |
| 211102AM-LCSD | Lab Control SpikeD | 80-119 | 103 | | 89-112 | 101 | |
| 211102AM-BLK | Blank | 80-119 | 98.4 | | 89-112 | 100 | |
| BA44375 | ERH1855 | 80-119 | 106 | | 89-112 | 100 | |
| BA44376 | ERH1856 | 80-119 | 103 | | 89-112 | 102 | |

Comments: Batch: #86BTO-211102AM

# EPA 8260B

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Max |
| Blank ID: | 211102AM-BLK | Time Analyzed: | 1058 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211102AM-LCS | Lab Control Spike | 1102M03 | 11/2/2021 1001 |
| 211102AM-LCSD | Lab Control SpikeD | 1102M04 | 11/2/2021 1029 |
| 211102AM-BLK | Blank | 1102M05 | 11/2/2021 1058 |
| BA44375 | ERH1855 | 1102M14 | 11/2/2021 1513 |
| BA44376 | ERH1856 | 1102M15 | 11/2/2021 1542 |

Comments: Batch: #86BTO-211102AM

# Method Blank
## EPA 8260B BTEX WATER

Blank Name/QCG: **211102W-44375 - 269863**
Batch ID: #86BTO-211102AM

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | BENZENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/2/2021 | 11/2/2021 |
| BLANK | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 11/2/2021 | 11/2/2021 |
| BLANK | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 11/2/2021 | 11/2/2021 |
| BLANK | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 11/2/2021 | 11/2/2021 |
| BLANK | SURROGATE: 1,2-DICHLOROET | 100 | 81-118 | | | % | 11/2/2021 | 11/2/2021 |
| BLANK | SURROGATE: 4-BROMOFLUORO | 96.2 | 85-114 | | | % | 11/2/2021 | 11/2/2021 |
| BLANK | SURROGATE: DIBROMOFLUOR | 98.4 | 80-119 | | | % | 11/2/2021 | 11/2/2021 |
| BLANK | SURROGATE: TOLUENE-D8 (S) | 100 | 89-112 | | | % | 11/2/2021 | 11/2/2021 |

Quant Method: M1015W.M
Run #: 1102M05
Instrument: Max
Sequence: 211029
Initials: PAN

*GC SC-Blank-REG MDLs-DOD*
*Printed: 11/8/2021 8:33:57 AM*

# EPA 8260B

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Max |
| LCS ID: | 211102AM-LCS | Time Analyzed: | 1001 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211102AM-LCS | Lab Control Spike | 1102M03 | 11/2/2021 1001 |
| 211102AM-LCSD | Lab Control SpikeD | 1102M04 | 11/2/2021 1029 |
| 211102AM-BLK | Blank | 1102M05 | 11/2/2021 1058 |
| BA44375 | ERH1855 | 1102M14 | 11/2/2021 1513 |
| BA44376 | ERH1856 | 1102M15 | 11/2/2021 1542 |

Comments: Batch: #86BTO-211102AM

# Laboratory Control Spike Recoveries
## EPA 8260B BTEX WATER

APPL ID: **211102W-44375 LCS - 269863**
Batch ID: #86BTO-211102AM

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| BENZENE | 10.00 | 9.58 | 8.71 | 95.8 | 87.1 | 79-120 | 9.5 | 20 |
| ETHYLBENZENE | 10.00 | 10.1 | 9.19 | 101 | 91.9 | 79-121 | 9.4 | 20 |
| TOLUENE | 10.00 | 10.5 | 9.33 | 105 | 93.3 | 80-121 | 11.8 | 20 |
| XYLENES (TOTAL) | 30.0 | 30.9 | 28.7 | 103 | 95.7 | 79-121 | 7.4 | 20 |
| SURROGATE: 1,2-DICHLOROETHANE-D | 25.0 | 25.5 | 26.6 | 102 | 106 | 81-118 | | |
| SURROGATE: 4-BROMOFLUOROBENZE | 25.0 | 25.4 | 25.1 | 102 | 100 | 85-114 | | |
| SURROGATE: DIBROMOFLUOROMETH | 25.0 | 25.0 | 25.7 | 100 | 103 | 80-119 | | |
| SURROGATE: TOLUENE-D8 (S) | 25.0 | 25.3 | 25.2 | 101 | 101 | 89-112 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | M1015W.M | M1015W.M |
| Extraction Date : | 11/2/2021 | 11/2/2021 |
| Analysis Date : | 11/2/2021 | 11/2/2021 |
| Instrument : | Max | Max |
| Run : | 1102M03 | 1102M04 |
| Initials : | PAN | |



*Printed: 11/8/2021 8:33:09 AM*
*APPL Standard LCSD*

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 1015M11.D

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Time Analyzed: 14:44

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 0.3ug/L VOC STD 10/1 | 1015M12.D | 10/15/2021 15:12 |
| 2 | | 0.5ug/L VOC STD 10/1 | 1015M13.D | 10/15/2021 15:41 |
| 3 | | 1ug/L VOC STD 10/15/ | 1015M14.D | 10/15/2021 16:09 |
| 4 | | 2ug/L VOC STD 10/15/ | 1015M15.D | 10/15/2021 16:38 |
| 5 | | 5ug/L VOC STD 10/15/ | 1015M16.D | 10/15/2021 17:06 |
| 6 | | 10ug/L VOC STD 10/15 | 1015M17.D | 10/15/2021 17:35 |
| 7 | | 20ug/L VOC STD 10/15 | 1015M18.D | 10/15/2021 18:03 |
| 8 | | 40ug/L VOC STD 10/15 | 1015M19.D | 10/15/2021 18:31 |
| 9 | | 100ug/L VOC STD 10/1 | 1015M20.D | 10/15/2021 19:00 |
| 10 | | (SS) 10ug/L VOC STD | 1015M22.D | 10/15/2021 19:57 |
| 11 | | | | |
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| m/e | | |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 20.4 |
| 75 | 30.0 - 60.0% of mas 95 | 58.4 |
| 95 | Base peak, 100% relative abundance | 100.0 |
| 96 | 5.0 - 9.0% of mass 95 | 6.7 |
| 173 | Less than 2.0% of mass 174 | 0.0 |
| 174 | 50.0 - 200.0% of mass 95 | 126.6 |
| 175 | 5.0 - 9.0% of mass 174 | 7.7 |
| 176 | 95.0 - 101.0% of mass 174 | 99.1 |
| 177 | 5.0 - 9.0% of mass 176 | 6.5 |

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1015M17.D Date Analyzed: 10/15/21

Instrument ID: Max Time Analyzed: 17:35

GC Column: ID: Heated Purge: (Y/N)

| | | Fluorobenzene (IS) | | Chlorobenzene-D5 (IS) | | 1,4-Dichlorobenzene-D (IS) | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 377347 | 6.34 | 347072 | 9.50 | 236441 | 11.82 |
| | UPPER LIMIT | 754694 | 6.51 | 694144 | 9.67 | 472882 | 11.99 |
| | LOWER LIMIT | 188674 | 6.17 | 173536 | 9.33 | 118221 | 11.65 |
| | SAMPLE NO. | | | | | | |
| 01 | 0.3ug/L VOC STD 10/15 | 397342 | 6.34 | 352293 | 9.50 | 217437 | 11.82 |
| 02 | 0.5ug/L VOC STD 10/15 | 396824 | 6.34 | 348546 | 9.50 | 220294 | 11.82 |
| 03 | 1ug/L VOC STD 10/15/2 | 394605 | 6.34 | 355921 | 9.50 | 218264 | 11.82 |
| 04 | 2ug/L VOC STD 10/15/2 | 397741 | 6.34 | 352458 | 9.50 | 222724 | 11.82 |
| 05 | 5ug/L VOC STD 10/15/2 | 387411 | 6.34 | 344894 | 9.50 | 232454 | 11.82 |
| 06 | 10ug/L VOC STD 10/15/ | 377347 | 6.34 | 347072 | 9.50 | 236441 | 11.82 |
| 07 | 20ug/L VOC STD 10/15/ | 395871 | 6.34 | 351611 | 9.50 | 235162 | 11.82 |
| 08 | 40ug/L VOC STD 10/15/ | 394795 | 6.34 | 356570 | 9.50 | 246902 | 11.82 |
| 09 | 100ug/L VOC STD 10/1 | 386789 | 6.34 | 357810 | 9.50 | 248989 | 11.82 |
| 10 | (SS) 10ug/L VOC STD 1 | 407759 | 6.34 | 364241 | 9.50 | 235667 | 11.82 |
| 11 | | | | | | | |
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AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97985
Case No: 97985 Date Analyzed: 11/2/2021
Matrix: Water Instrument: Max
ID: 1102M00.D Time Analyzed: 8:47

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | Lab Control Spike | 211102A CCV/LCS 10ug | 1102M03.D | 11/2/2021 10:01 |
| 2 | Lab Control SpikeD | 211102A LCSD 10ug/L | 1102M04.D | 11/2/2021 10:29 |
| 3 | Blank | 211102A BLK | 1102M05.D | 11/2/2021 10:58 |
| 4 | ERH1855 | BA44375W01 | 1102M14.D | 11/2/2021 15:13 |
| 5 | ERH1856 | BA44376W01 | 1102M15.D | 11/2/2021 15:42 |
| 6 | | Ending CCV 10ug/L 11 | 1102M24.D | 11/2/2021 19:57 |
| 7 | | | | |
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| 20 | | | | |
| 21 | | | | |
| 22 | | | | |

| m/e | | |
|---|---|---|
| 50 | 15 - 40% of mass 95 | 18.0 |
| 75 | 30 - 60.04% of mass 95 | 58.3 |
| 95 | 100 - 200% of mass 95 | 100.0 |
| 96 | 5 - 9% of mass 95 | 6.1 |
| 173 | 0 - 2% of mass 174 | 0.9 |
| 174 | 50 - 200% of mass 95 | 139.1 |
| 175 | 5 - 9.02% of mass 174 | 6.3 |
| 176 | 95 - 101% of mass 174 | 95.6 |
| 177 | 5 - 9% of mass 176 | 7.9 |

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 1102M03.D Date Analyzed: 2 Nov 21 10:01

Instrument ID: Max Time Analyzed: 2 Nov 21 10:01

GC Column: ID: Heated Purge: (Y/N)

| | | Fluorobenzene (IS) | | Chlorobenzene-D5 (IS) | | 1,4-Dichlorobenzene-D (IS) | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 367144 | 6.37 | 349682 | 9.52 | 224818 | 11.84 |
| | UPPER LIMIT | 734288 | 6.54 | 699364 | 9.69 | 449636 | 12.01 |
| | LOWER LIMIT | 183572 | 6.20 | 174841 | 9.35 | 112409 | 11.67 |
| | SAMPLE NO. | | | | | | |
| 01 | 211102A CCV/LCS 10ug | 367144 | 6.37 | 349682 | 9.52 | 224818 | 11.84 |
| 02 | 211102A LCSD 10ug/L | 374163 | 6.37 | 332242 | 9.52 | 223761 | 11.84 |
| 03 | 211102A BLK | 376947 | 6.37 | 346456 | 9.52 | 204046 | 11.84 |
| 04 | BA44375W01 | 363584 | 6.37 | 326571 | 9.52 | 197362 | 11.84 |
| 05 | BA44376W01 | 359006 | 6.37 | 313026 | 9.52 | 195874 | 11.84 |
| 06 | Ending CCV 10ug/L 11/0 | 358819 | 6.37 | 318291 | 9.52 | 217546 | 11.84 |
| 07 | | | | | | | |
| 08 | | | | | | | |
| 09 | | | | | | | |
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| 21 | | | | | | | |
| 22 | | | | | | | |

AREA UPPER LIMIT = +100% of internal standard area.
AREA LOWER LIMIT = -50% of internal standard area.
RT UPPER LIMIT = +0.17 minutes of internal standard RT
RT LOWER LIMIT = -0.17 minutes of internal standard RT

# Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

# EPA 8260B

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97985

Case No: 97985 Date Analyzed: 11/2/2021

Matrix: WATER Instrument: Max

| APPL ID. | Client Sample No. | SURROGATE: 4-BROMOFLUOROBENZENE (S) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 211102AM-LCS | Lab Control Spike | 85-114 | 101 | | | | |
| 211102AM-LCSD | Lab Control SpikeD | 85-114 | 102 | | | | |
| 211102AM-BLK | Blank | 85-114 | 98.3 | | | | |
| BA44375 | ERH1855 | 85-114 | 97.1 | | | | |
| BA44376 | ERH1856 | 85-114 | 97.3 | | | | |

Comments: Batch: #GRO86-211102AM

# EPA 8260B

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Max |
| Blank ID: | 211102AM-BLK | Time Analyzed: | 1320 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211102AM-LCS | Lab Control Spike | 1102M08 | 11/2/2021 1223 |
| 211102AM-LCSD | Lab Control SpikeD | 1102M09 | 11/2/2021 1251 |
| 211102AM-BLK | Blank | 1102M10 | 11/2/2021 1320 |
| BA44375 | ERH1855 | 1102M14 | 11/2/2021 1513 |
| BA44376 | ERH1856 | 1102M15 | 11/2/2021 1542 |

Comments: Batch: #GRO86-211102AM

# Method Blank
## EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **211102W-44375 - 271097**
Batch ID: #GRO86-211102AM

| Sample Type | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| BLANK | GASOLINE RANGE ORGANICS | 18.0 U | 20 | 18.0 | 8.6 | ug/L | 11/2/2021 | 11/2/2021 |
| BLANK | SURROGATE: 4-BROMOFLUORO | 98.3 | 85-114 | | | % | 11/2/2021 | 11/2/2021 |

Quant Method: MGAS0825.M
Run #: 1102M10
Instrument: Max
Sequence: 211029
Initials: PAN

*GC SC-Blank-REG MDLs-DOD*
*Printed: 12/1/2021 8:41:10 AM*

# EPA 8260B

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/2/2021 |
| Matrix: | WATER | Instrument: | Max |
| LCS ID: | 211102AM-LCS | Time Analyzed: | 1223 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211102AM-LCS | Lab Control Spike | 1102M08 | 11/2/2021 1223 |
| 211102AM-LCSD | Lab Control SpikeD | 1102M09 | 11/2/2021 1251 |
| 211102AM-BLK | Blank | 1102M10 | 11/2/2021 1320 |
| BA44375 | ERH1855 | 1102M14 | 11/2/2021 1513 |
| BA44376 | ERH1856 | 1102M15 | 11/2/2021 1542 |

Comments: Batch: #GRO86-211102AM

# Laboratory Control Spike Recoveries
## EPA 8260B GRO WATER

APPL ID: **211102W-44375 LCS - 271097**
Batch ID: #GRO86-211102AM

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Compound Name | Spike Lvl ug/L | SPK Result ug/L | DUP Result ug/L | SPK % Recovery | DUP % Recovery | Recovery Limits | RPD % | RPD Limits |
|---|---|---|---|---|---|---|---|---|
| GASOLINE RANGE ORGANICS | 300 | 358 | 305 | 119 | 102 | 78-122 | 16.0 | 20 |
| SURROGATE: 4-BROMOFLUOROBENZE | 25.0 | 25.2 | 25.6 | 101 | 102 | 85-114 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | MGAS0825.M | MGAS0825.M |
| Extraction Date : | 11/2/2021 | 11/2/2021 |
| Analysis Date : | 11/2/2021 | 11/2/2021 |
| Instrument : | Max | Max |
| Run : | 1102M08 | 1102M09 |
| Initials : | PAN | |

# SW846 9060A

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/12/2021 |
| Matrix: | WATER | Instrument: | TICTOC |
| Blank ID: | 211112A-BLK | Time Analyzed: | 1832 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211112A-LCS | Lab Control Spike | 16 | 11/12/2021 1749 |
| 211112A-BLK | Blank | 17 | 11/12/2021 1832 |
| 211112A-LCSD | Lab Control SpikeD | 28 | 11/13/2021 0224 |
| BA44376 | ERH1856 | 34 | 11/13/2021 0717 |

Comments: Batch: #TOCW5-211112A

# WETLAB BLANK

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Method | Analyte | Result | LOQ | LOD | DL | Units | Prep Date | Analysis Date | QC Group |
|---|---|---|---|---|---|---|---|---|---|
| SW846 90 | TOTAL ORGANIC C | 0.350 U | 0.93 | 0.350 | 0.130 | mg/L | 11/12/21 | 11/12/21 | #TOCW5-211112A-BA44376 |

# SW846 9060A

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97985 |
| Case No: | 97985 | Date Analyzed: | 11/12/2021 |
| Matrix: | WATER | Instrument: | TICTOC |
| LCS ID: | 211112A-LCS | Time Analyzed: | 1749 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 211112A-LCS | Lab Control Spike | 16 | 11/12/2021 1749 |
| 211112A-BLK | Blank | 17 | 11/12/2021 1832 |
| 211112A-LCSD | Lab Control SpikeD | 28 | 11/13/2021 0224 |
| BA44376 | ERH1856 | 34 | 11/13/2021 0717 |

Comments: Batch: #TOCW5-211112A

# Laboratory Control Spike Recoveries

## WETLAB

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

| Method | Compound Name | Spike Lvl mg/L | SPK Res mg/L | DUP Res mg/L | SPK % Recov | DUP % Recov | RPD | RPD Max | QC Limits | Extract Date-Spk | Analysis Date-Spk | Extract Date-Dup | Analysis Date-Dup | QC Group |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SW846 90 | TOTAL ORGANIC CARBO | 5.00 | 4.29 | 4.31 | 85.8 | 86.2 | 0.47 | 20 | 80-120 | 11/12/21 | 11/12/21 | 11/13/21 | 11/13/21 | #TOCW5-211112A-BA443 |

Comments:

# ORGANICS
# Calibration Data

TPH Extractables
DOC1028

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | | 1028003.D | 1028004.D | 1028005.D | 1028006.D | 1028007.D | 1028008.D | 1028009.D | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q |
| 1 | HATM | Diesel (C10-C24) | 2983809 | 2406563 | 2517872 | 2418941 | 2337993 | 2387715 | 2563791 | | | | 2516669 | 8.7 | HATM | | |
| 2 | HBTML | Motor Oil (C24-C40) | 5192328 | 3260715 | 2065863 | 1824592 | 1695984 | 1676117 | 1728658 | | | | 2492037 | 53 | HBTM | 1.000 | |
| 3 | SA | Ortho-Terphenyl(S) | 3637234 | 3178668 | 3119876 | 3035678 | 2926966 | 2905323 | 3088794 | | | | 3127505 | 7.9 | SA | | |
| 4 | SA | Octacosane(S) | 2469203 | 2170507 | 2286410 | 2275552 | 2170413 | 2171254 | 2286658 | | | | 2261428 | 4.8 | SA | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
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| 34 | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | |

2.118919

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

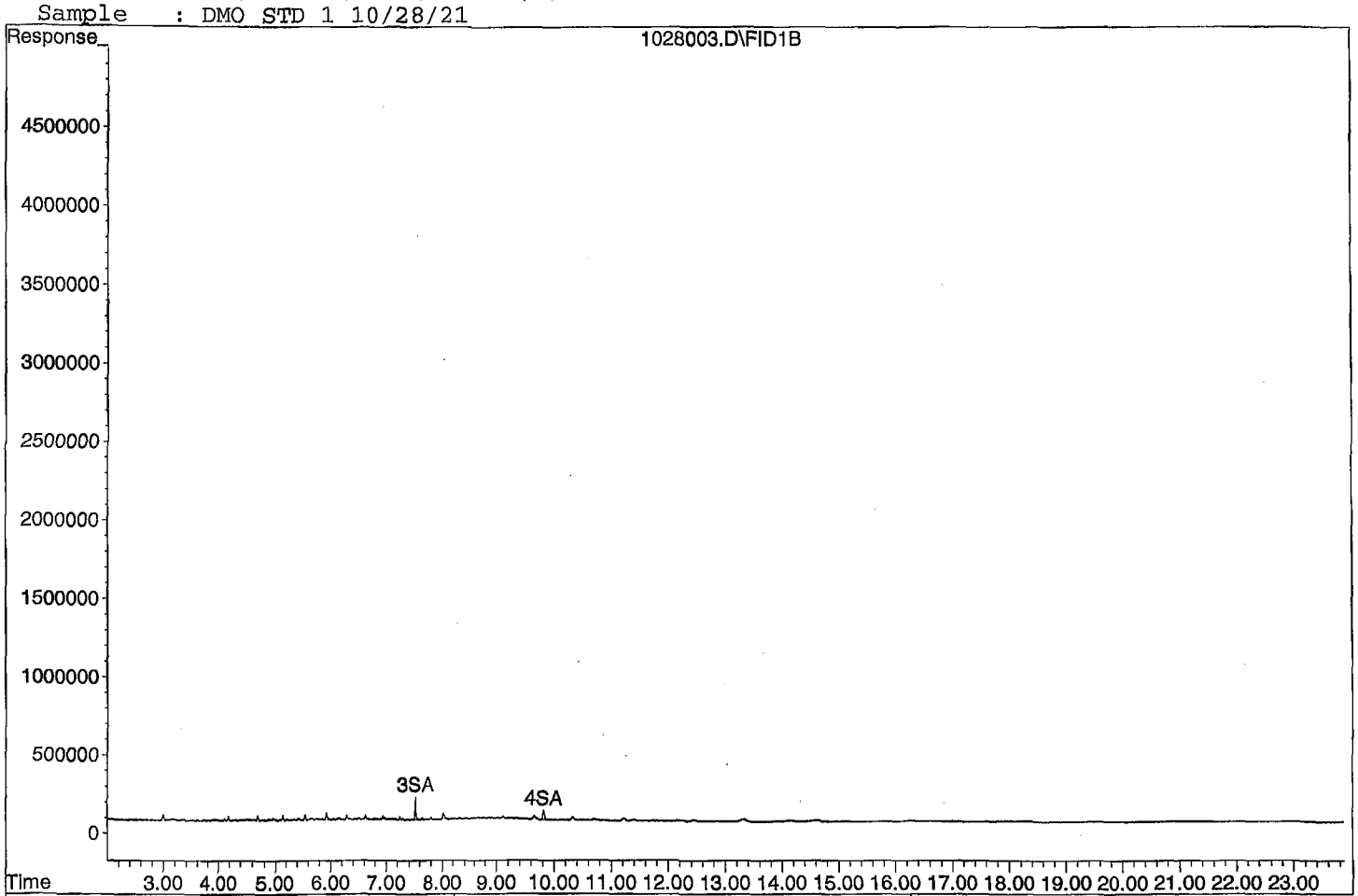
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

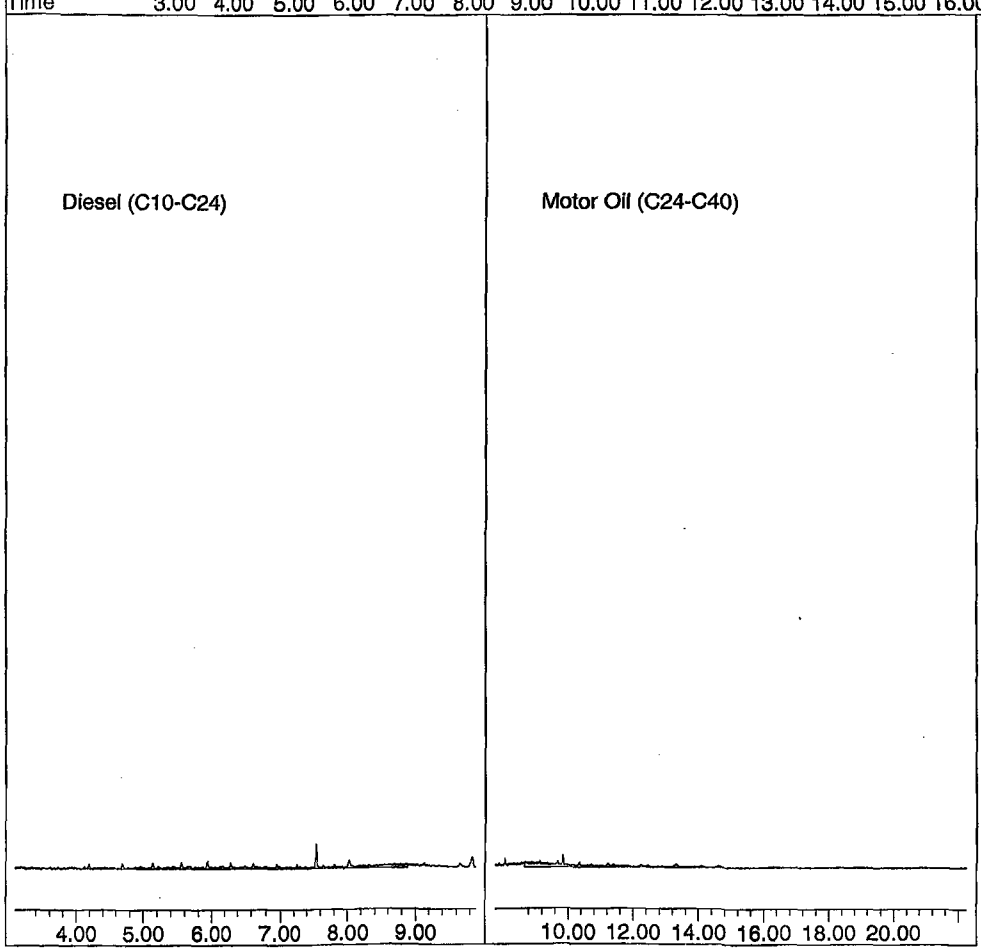
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 1818617 | 0.291 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.97% |
| 4) SA Octacosane(S) | 9.82 | 1234601 | 0.273 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.91% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 29838086 | 5.928 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 51923283 | 5.234 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

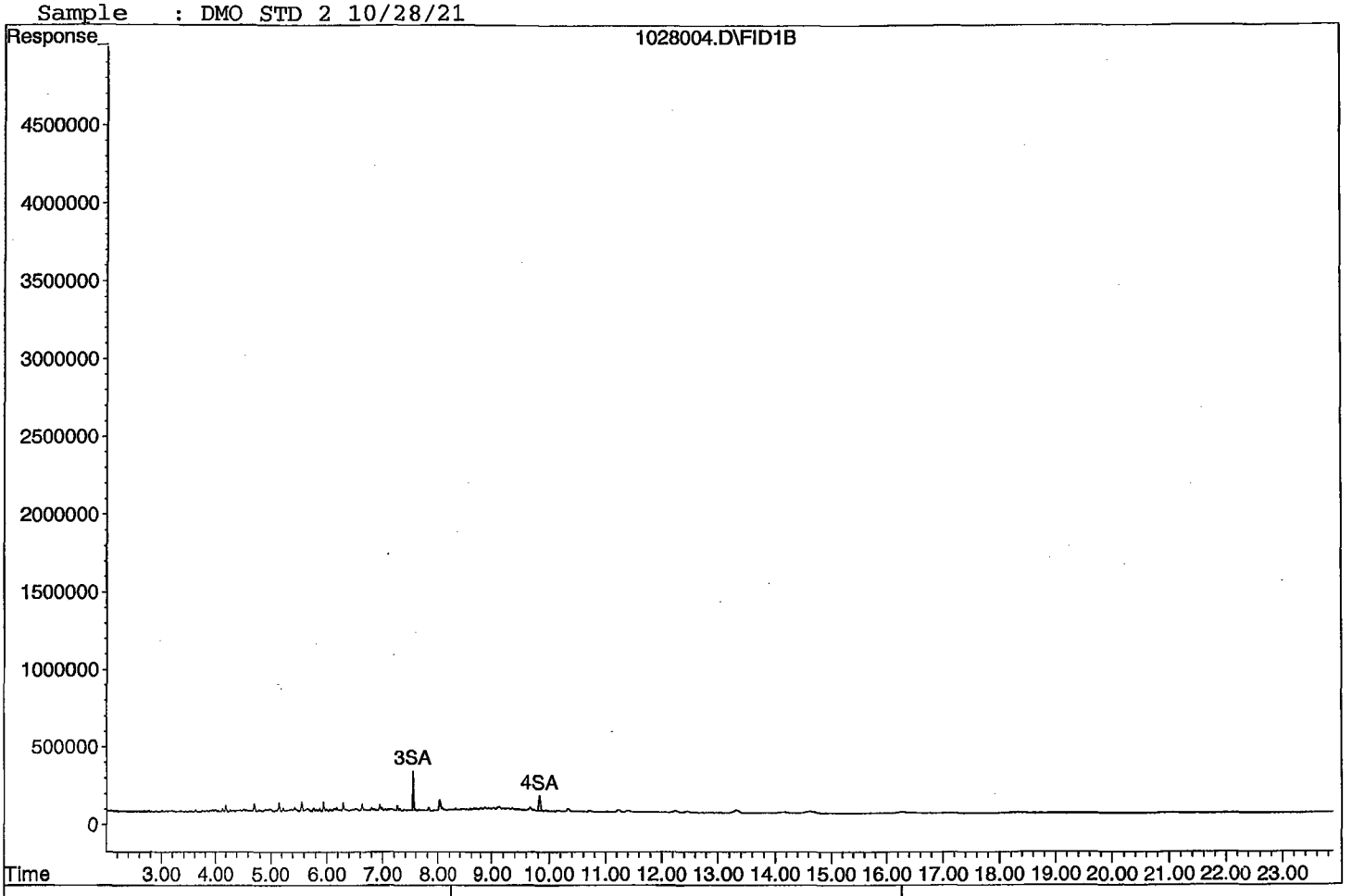
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

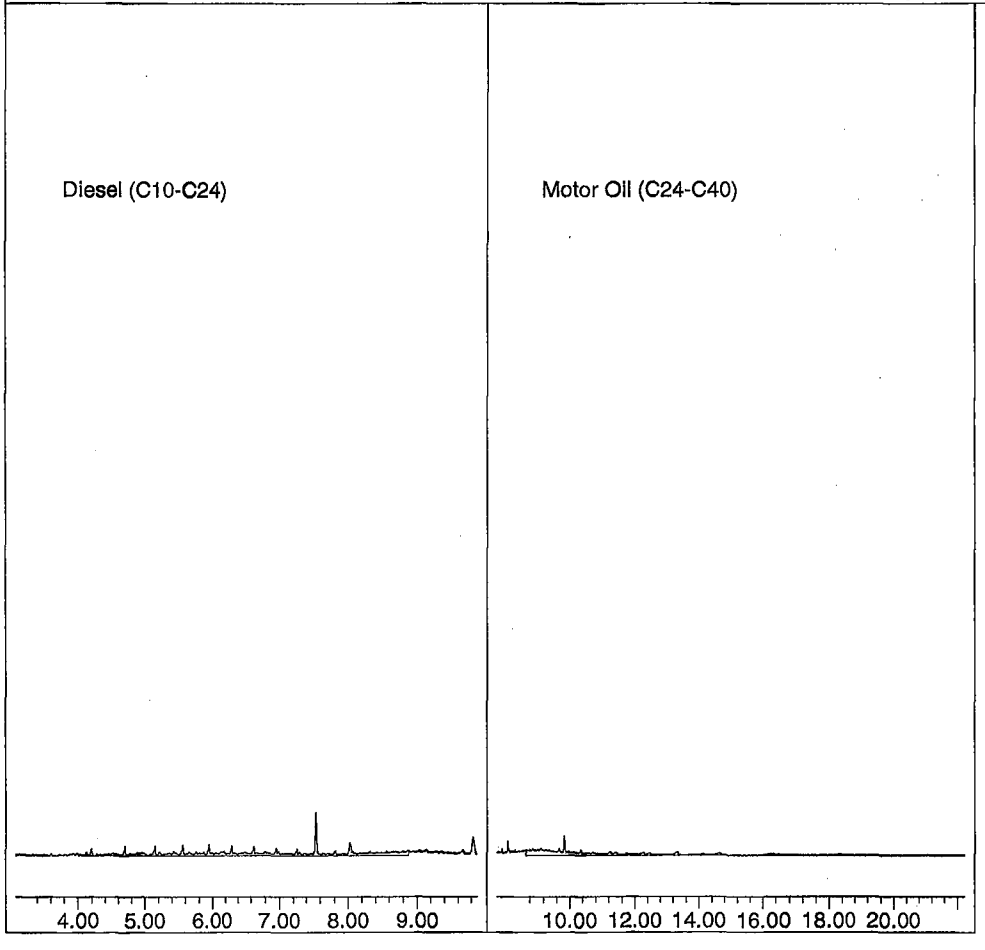
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 3178668 | 0.508 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.69% |
| 4) SA Octacosane(S) | 9.82 | 2170507 | 0.480 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.60% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 48131263 | 9.562 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 65214303 | 9.152 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

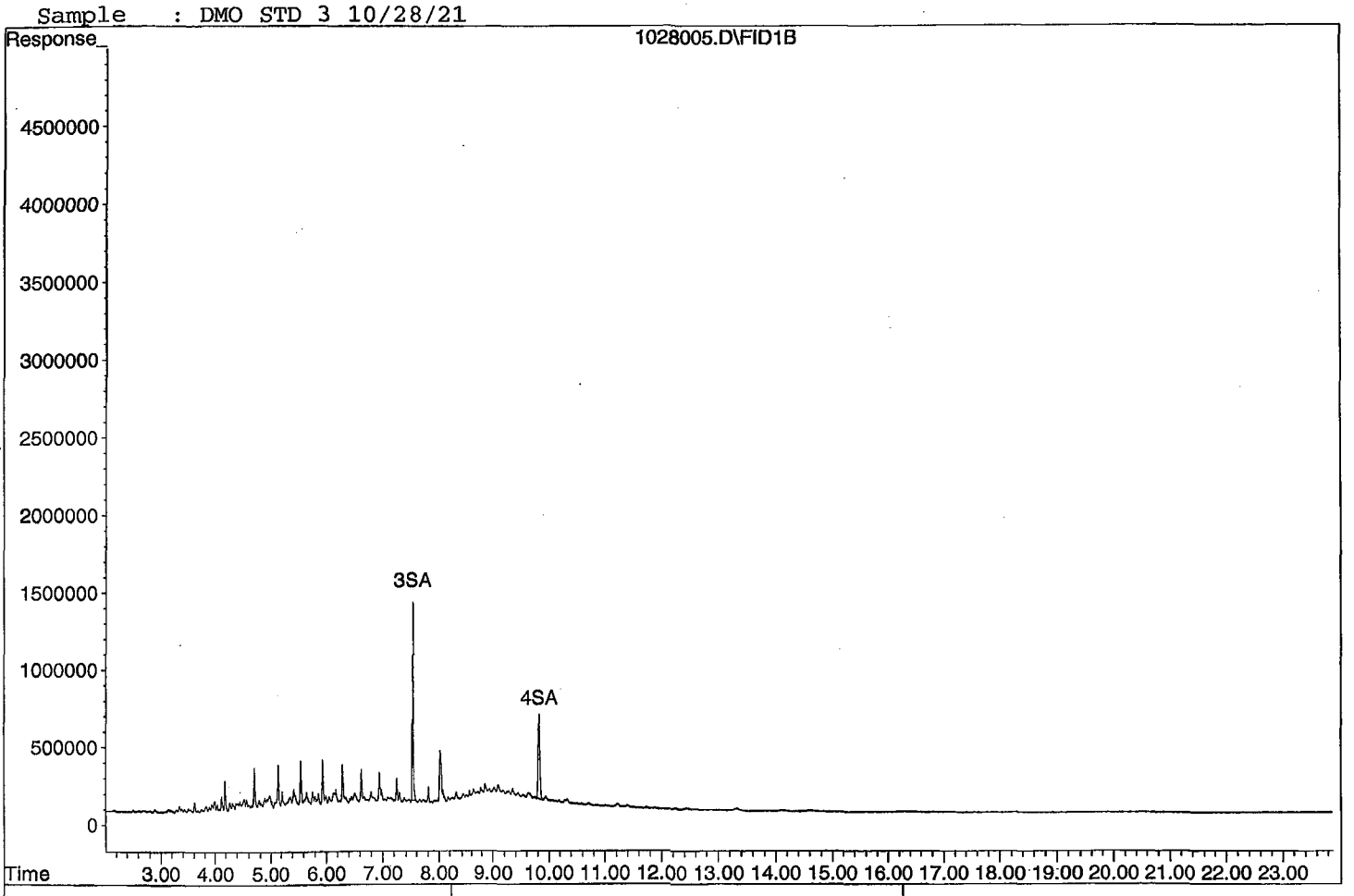
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

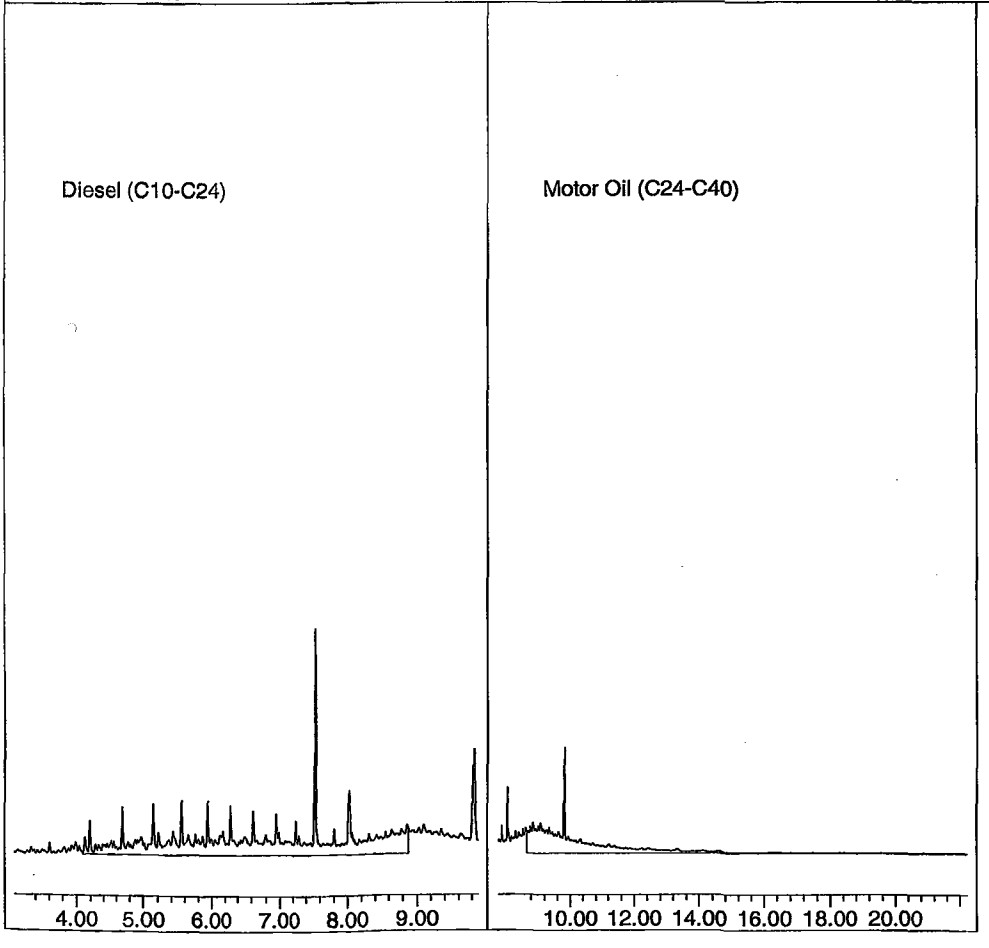
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 15599382 | 2.494 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.31% |
| 4) SA Octacosane(S) | 9.82 | 11432050 | 2.528 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.43% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 251787231 | 50.024 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 206586322 | 50.832 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21



Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

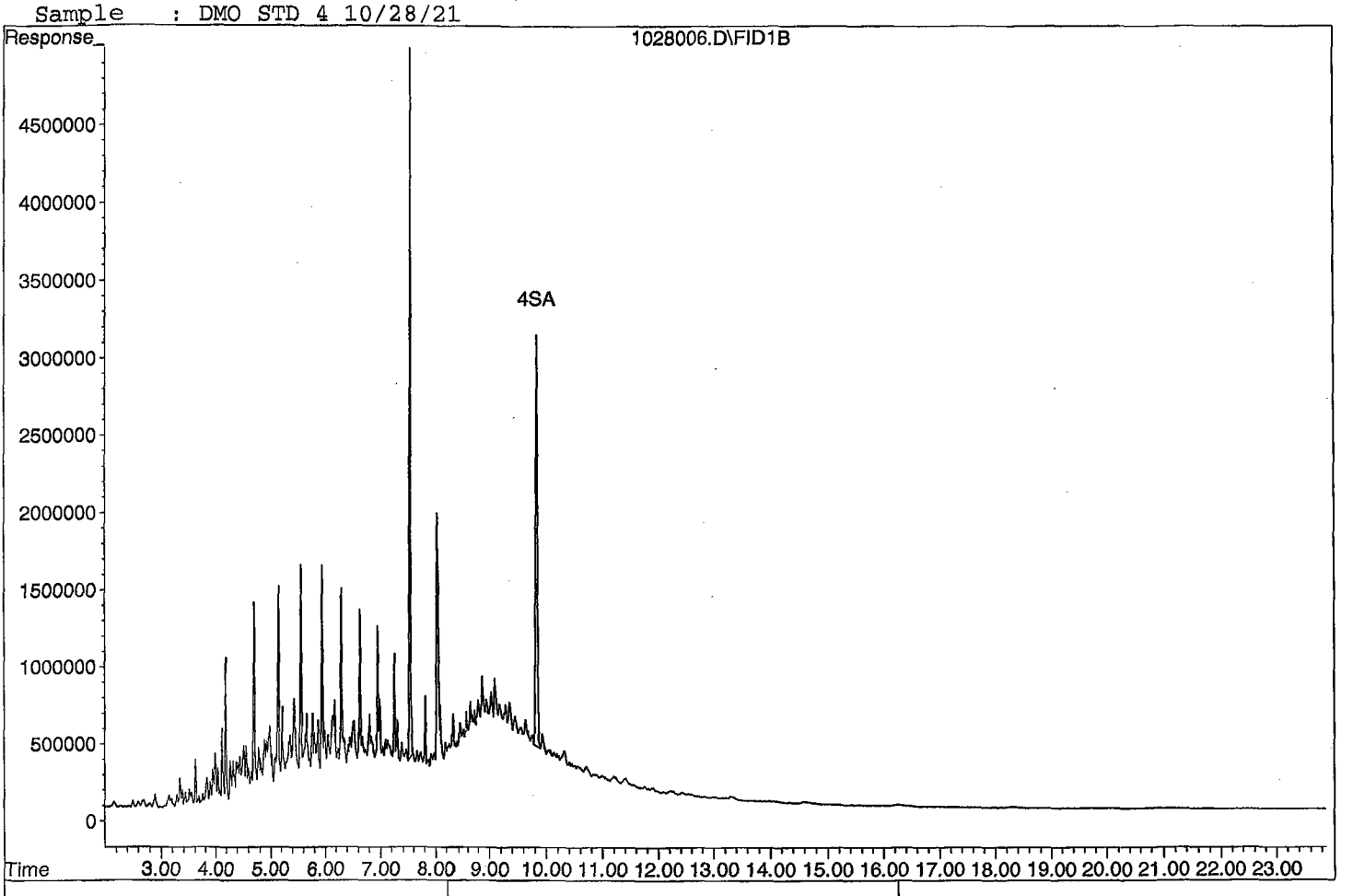
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

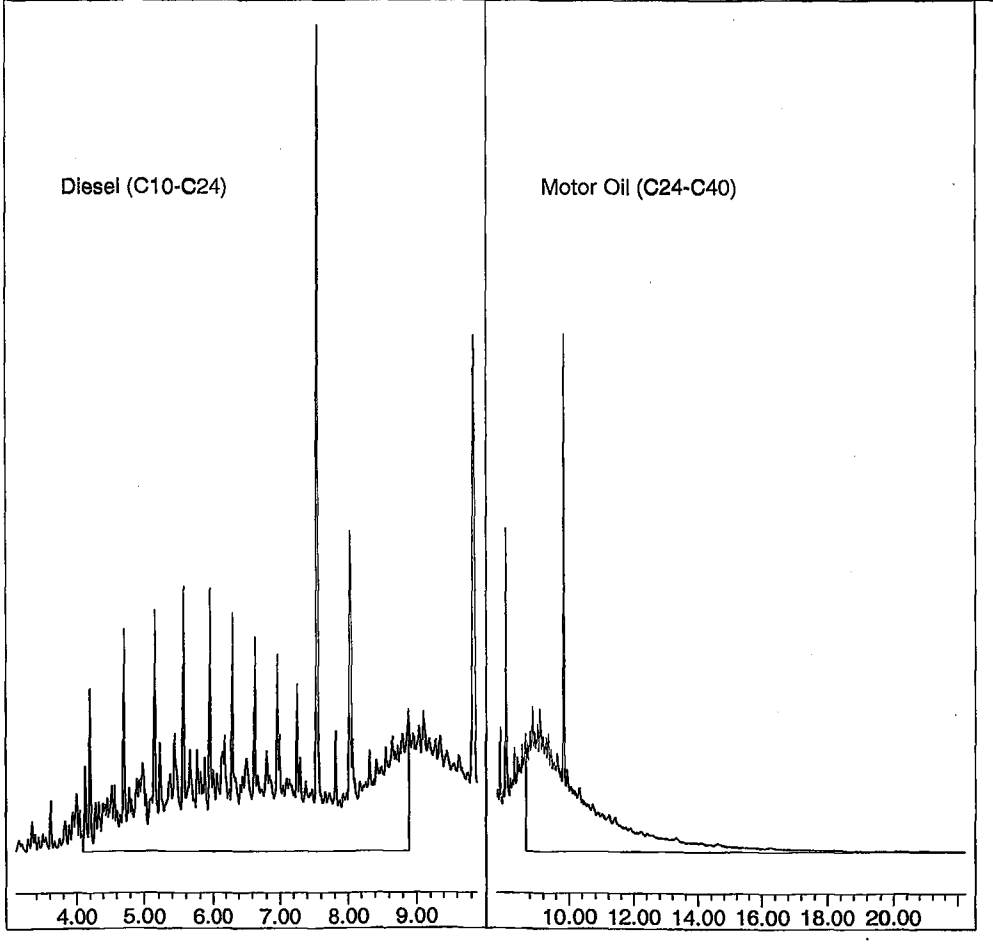
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 75891940 | 12.133 ppb |
| Surrogate Spike 30.000 | Recovery = | | 40.44% |
| 4) SA Octacosane(S) | 9.82 | 56888797 | 12.578 ppb |
| Surrogate Spike 30.000 | Recovery = | | 41.93% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1209470396 | 240.292 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 912296132 | 258.892 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

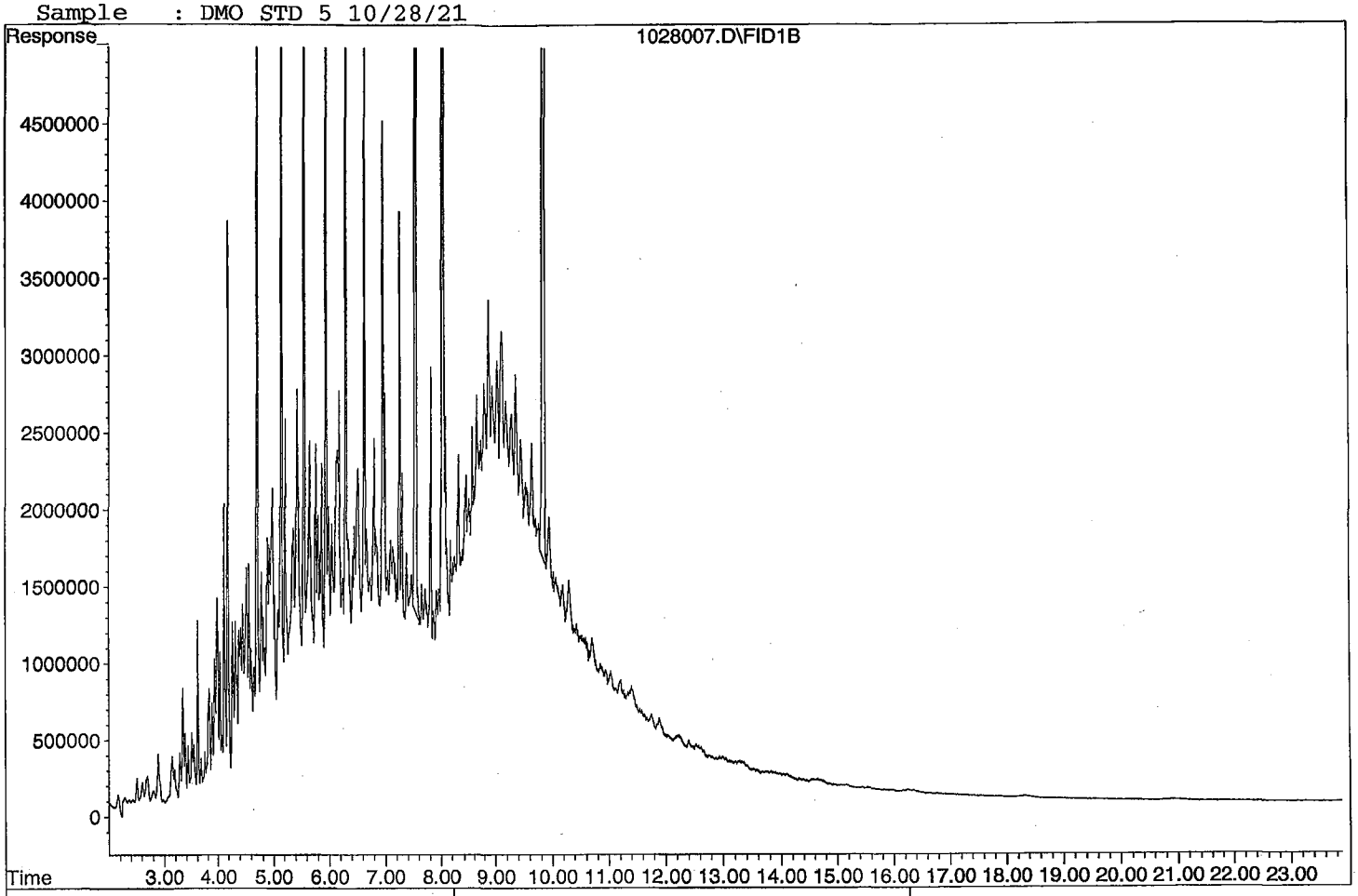
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

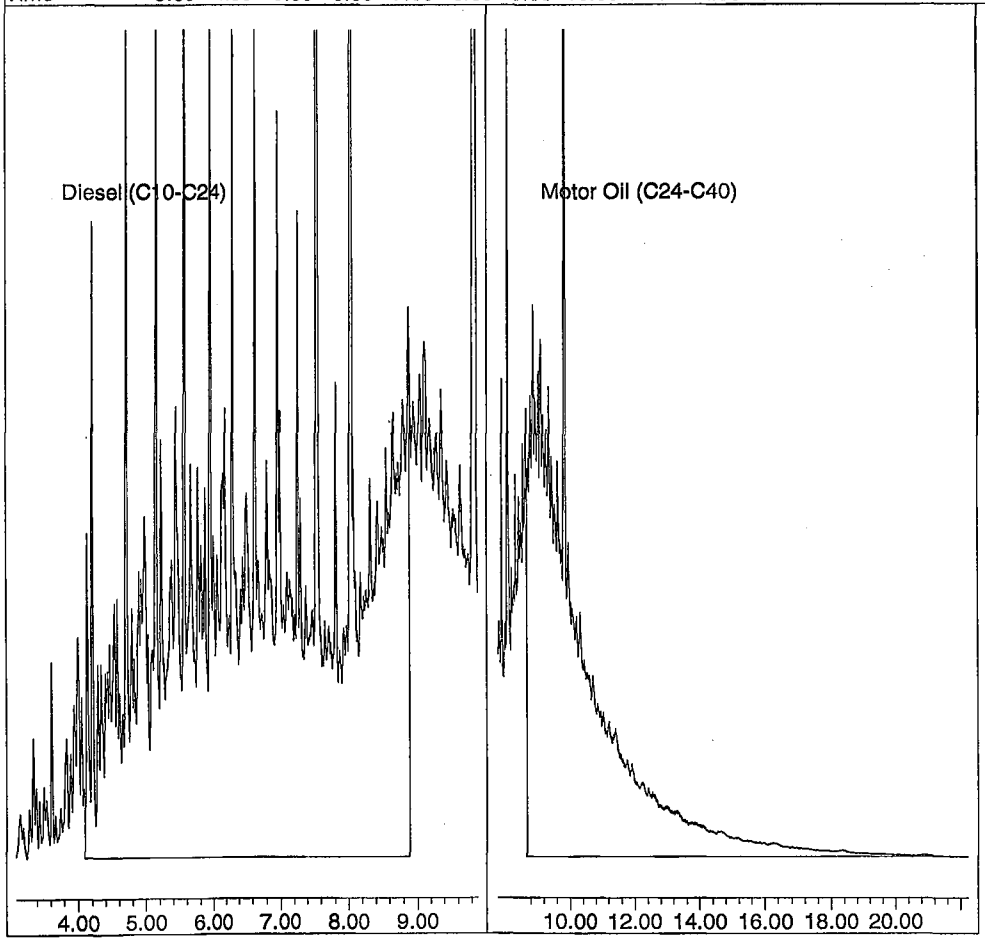
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 292696553 | 46.794 ppb |
| Surrogate Spike 30.000 | Recovery = | | 155.98% |
| 4) SA Octacosane(S) | 9.83 | 217041298 | 47.988 ppb |
| Surrogate Spike 30.000 | Recovery = | | 159.96% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 4675985227 | 929.003 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 3391967397 | 989.959 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

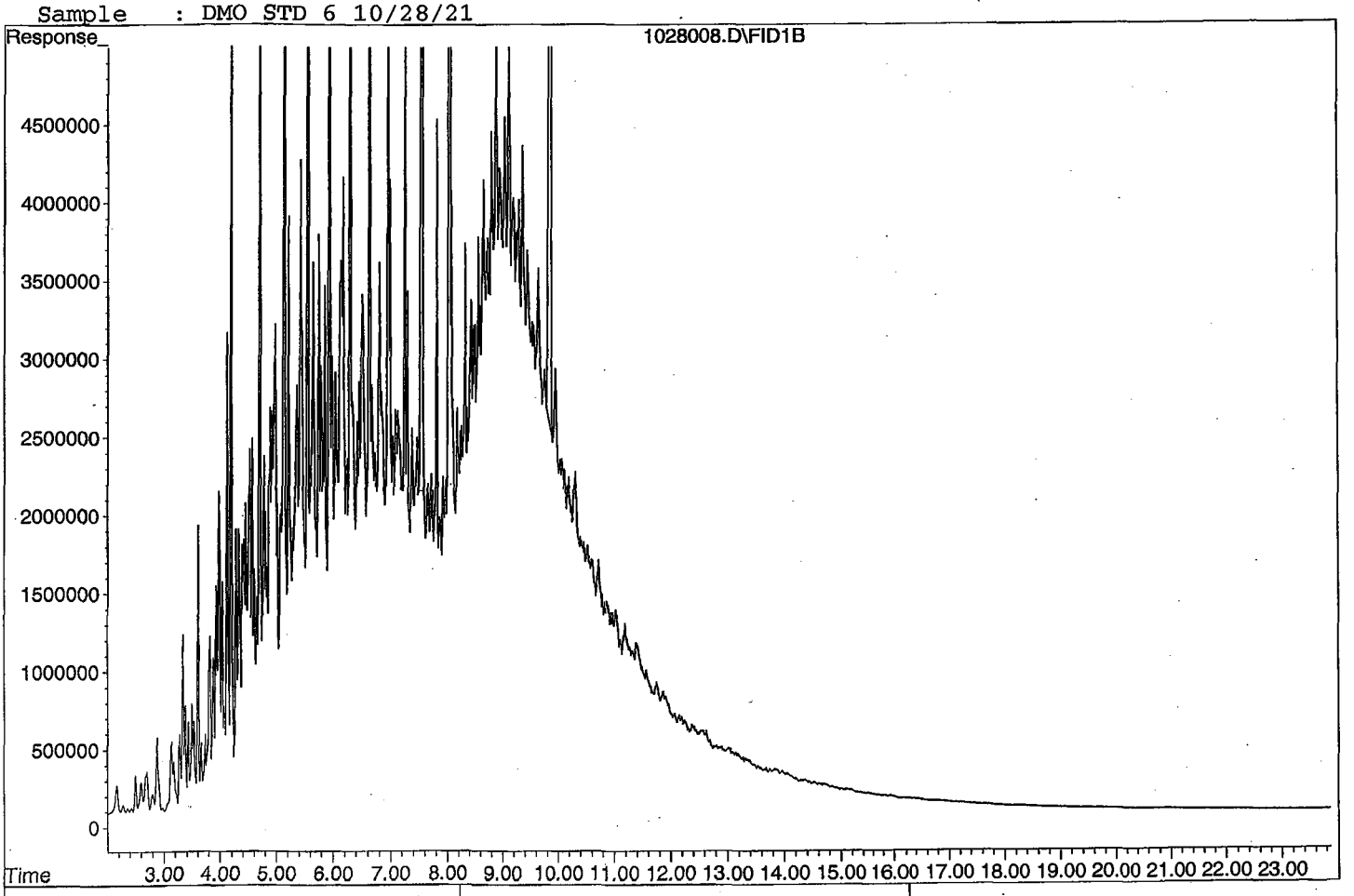
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

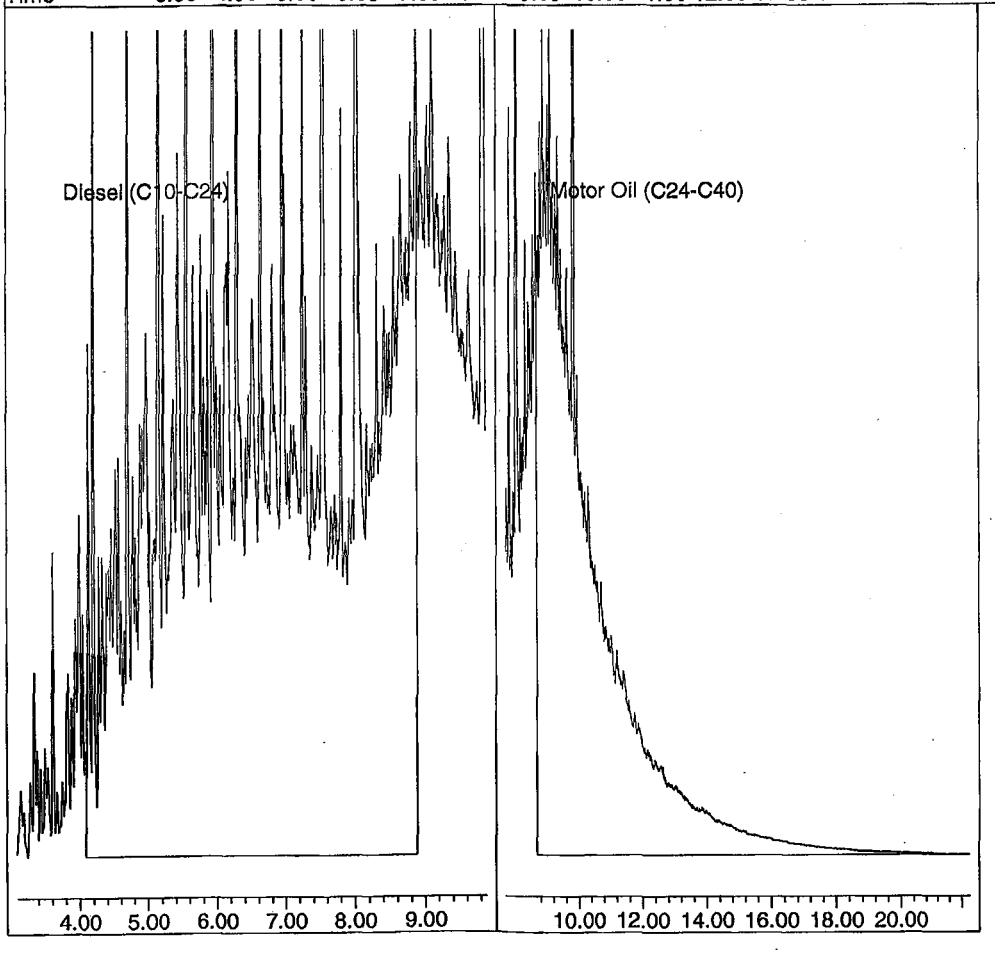
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 435798382 | 69.672 | ppb |
| Surrogate Spike 30.000 | Recovery = | | 232.24% | |
| 4) SA Octacosane(S) | 9.84 | 325688048 | 72.009 | ppb |
| Surrogate Spike 30.000 | Recovery = | | 240.03% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 7163144090 | 1423.140 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 5028351305 | 1472.405 | ppb |

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

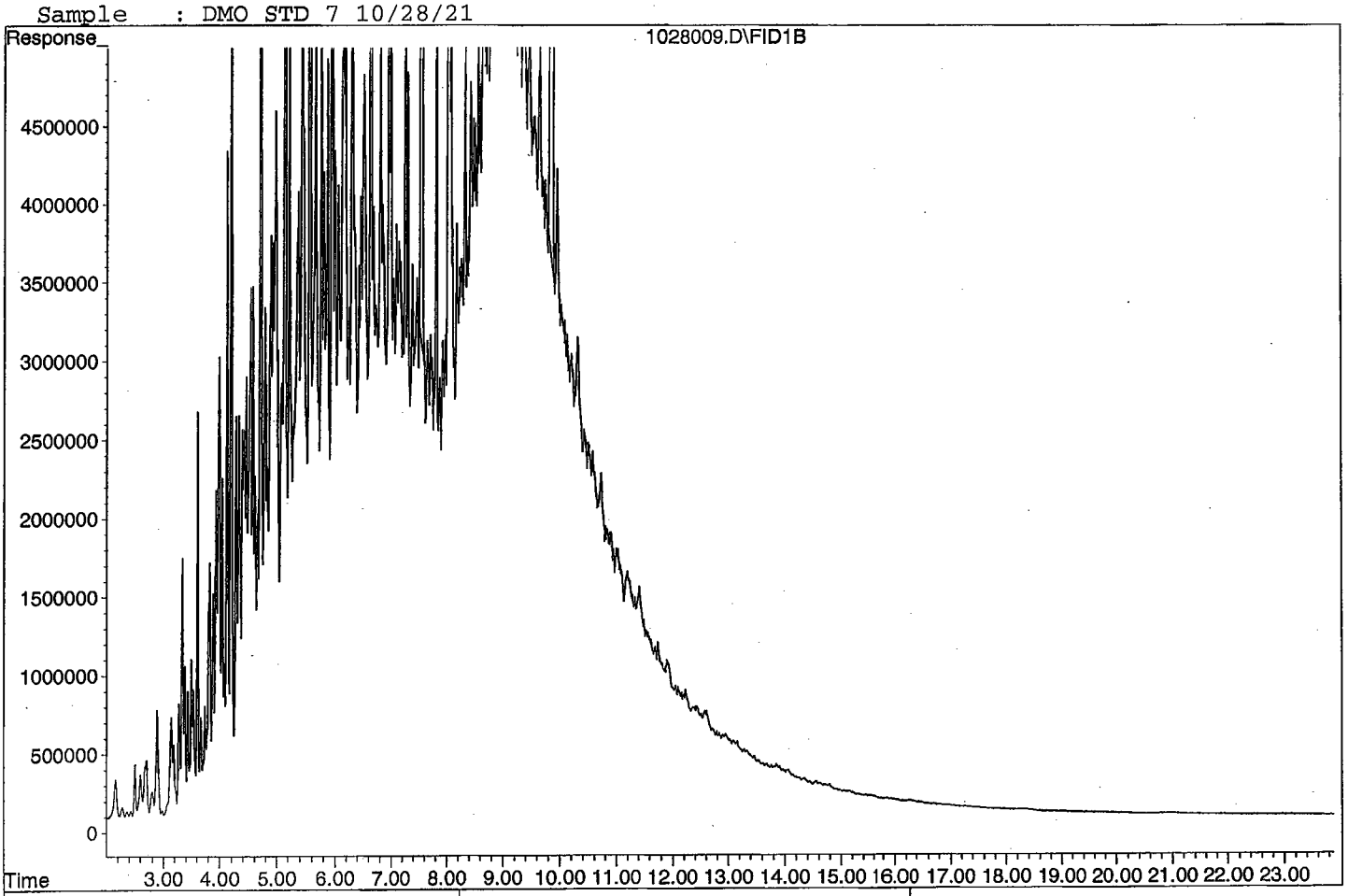
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

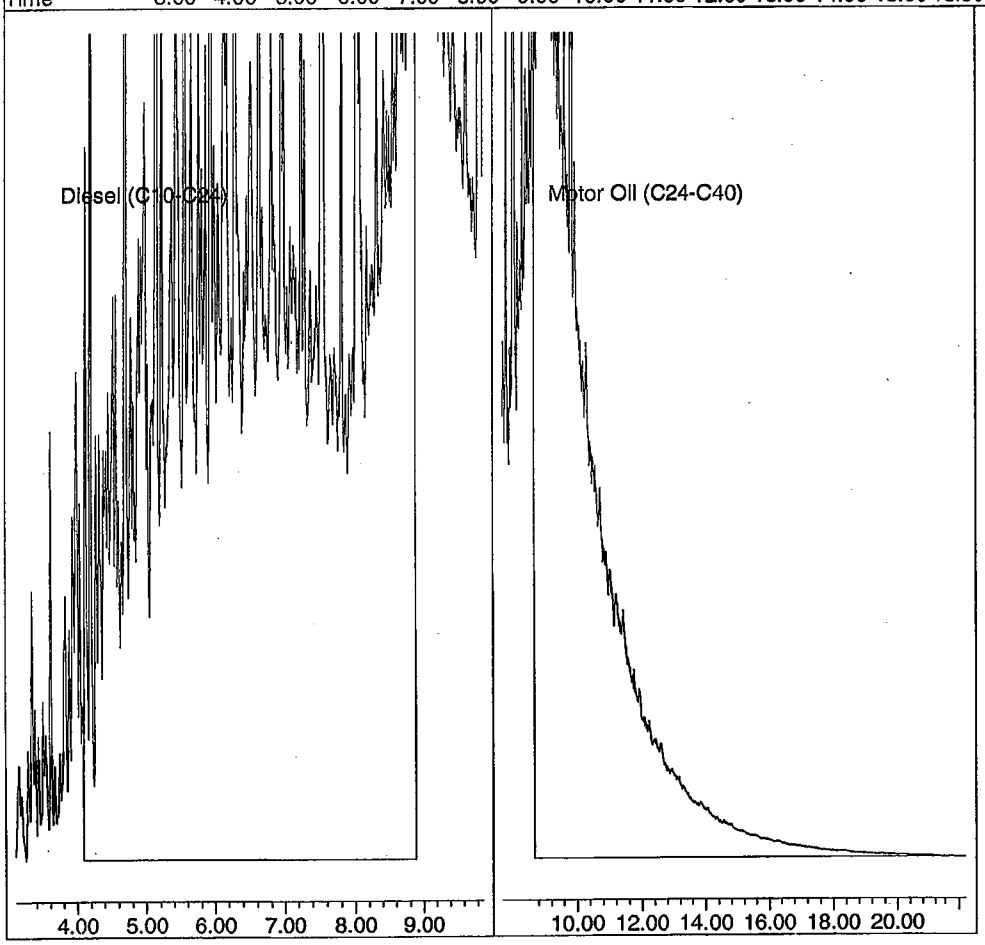
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 617758709 | 98.762 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 329.21% | |
| 4) SA Octacosane(S) | 9.85 | 457331573 | 101.116 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 337.05% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 10255165539 | 2037.448 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 6914631831 | 2028.526 | ppb |

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21



TPH Extractables
DOC1028

Form 7

# Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2266400 | 9.9 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1663520 | 33 | HBTML | 5.9 |
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| 40 | | | | | | | |
| | | Average | | | 21.5 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

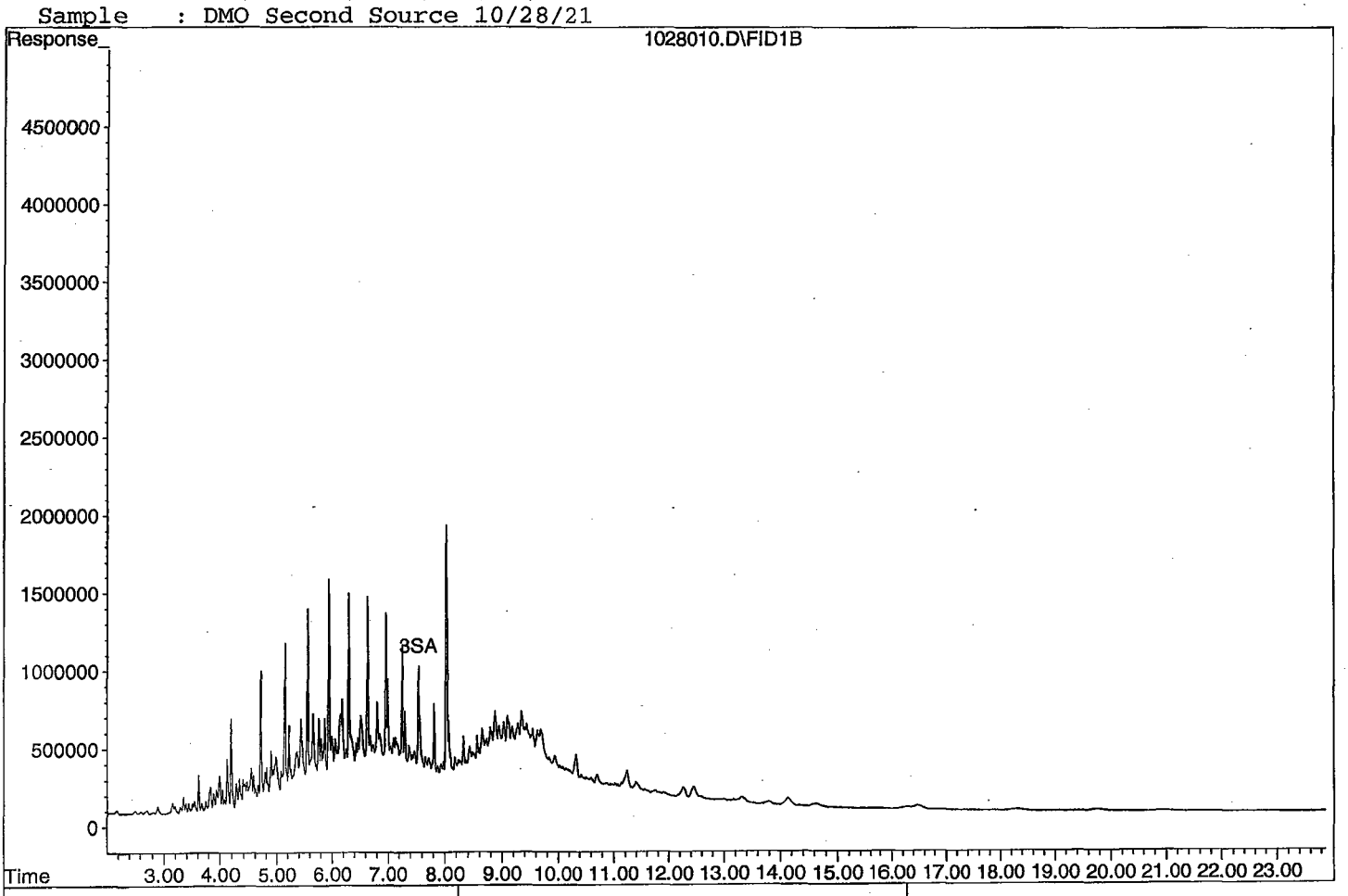
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

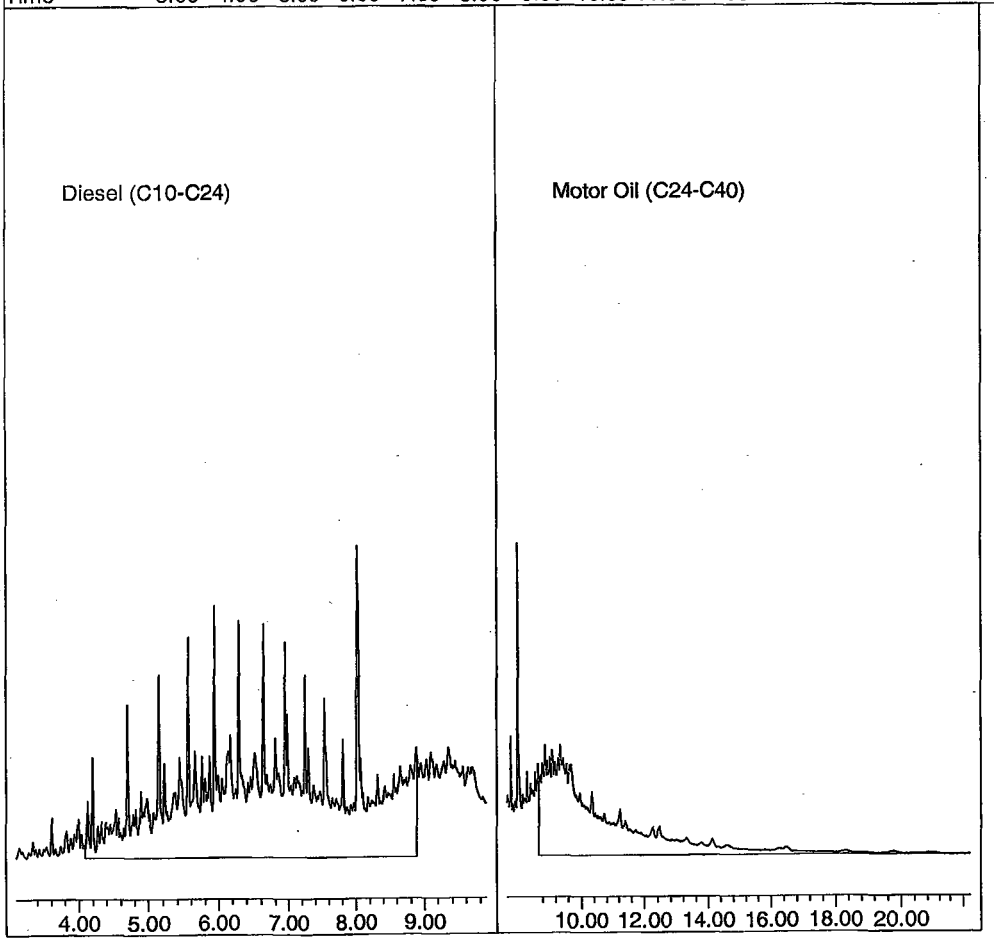
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

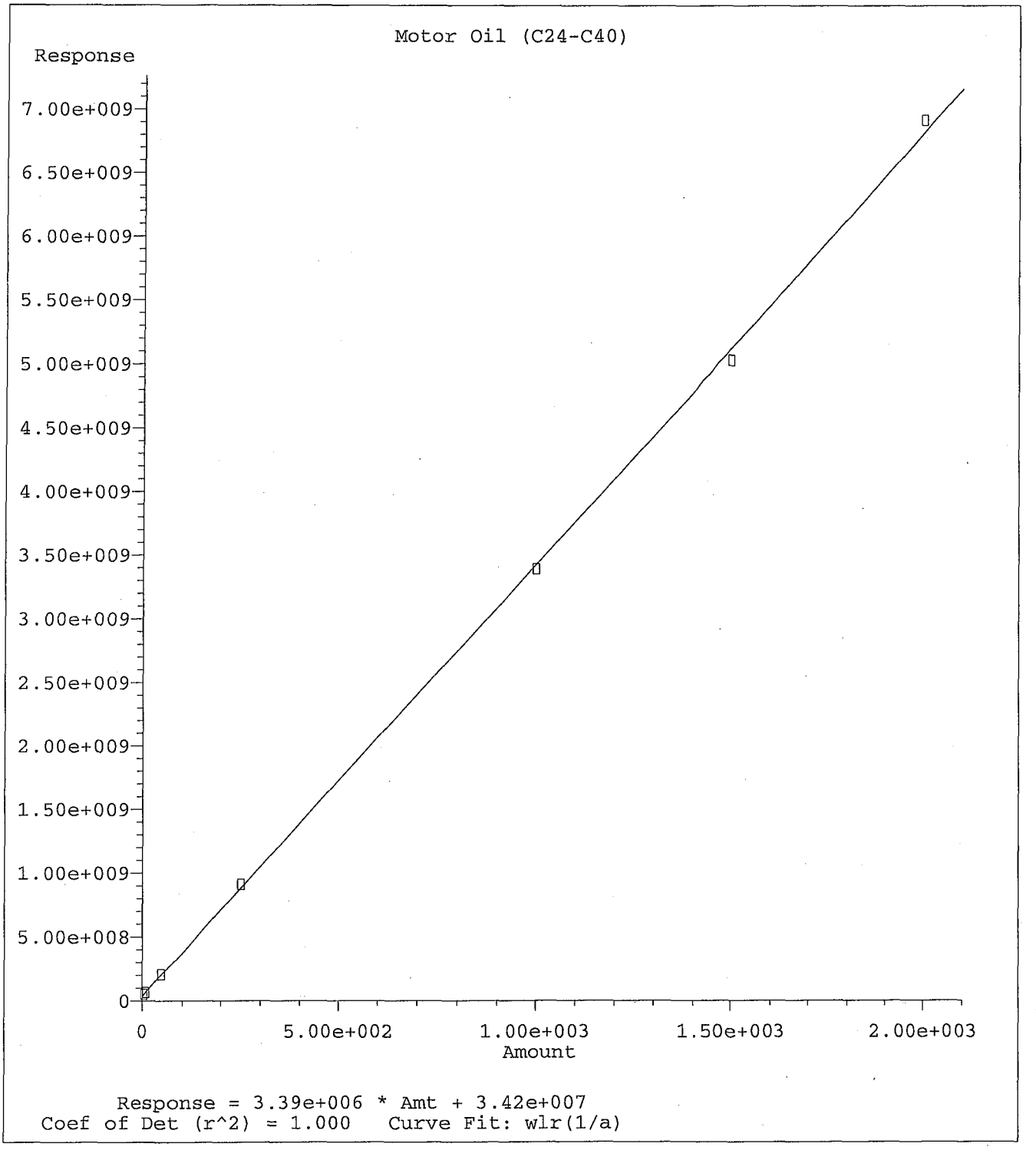
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 4250105 | 0.679 ppb |
| Surrogate Spike 30.000 | | Recovery = | 2.26% |
| 4) SA Octacosane(S) | 9.83 | -3553 | N.D. ppb |
| Surrogate Spike 30.000 | | Recovery = | 0.00% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1133202337 | 225.139 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 831758038 | 235.148 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21






Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DOC1028

Form 7
## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/3/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1101110.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2314530 | 8.0 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1726060 | 31 | HBTML | 2.3 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 2947340 | 5.8 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 2160030 | 4.5 | SA | |
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| | | Average | | | 12.3 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211101\1101110.D Vial: 10
Acq On : 11-3-21 20:21:54 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : Water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 4 7:18 2021 Quant Results File: DOC1028.RES

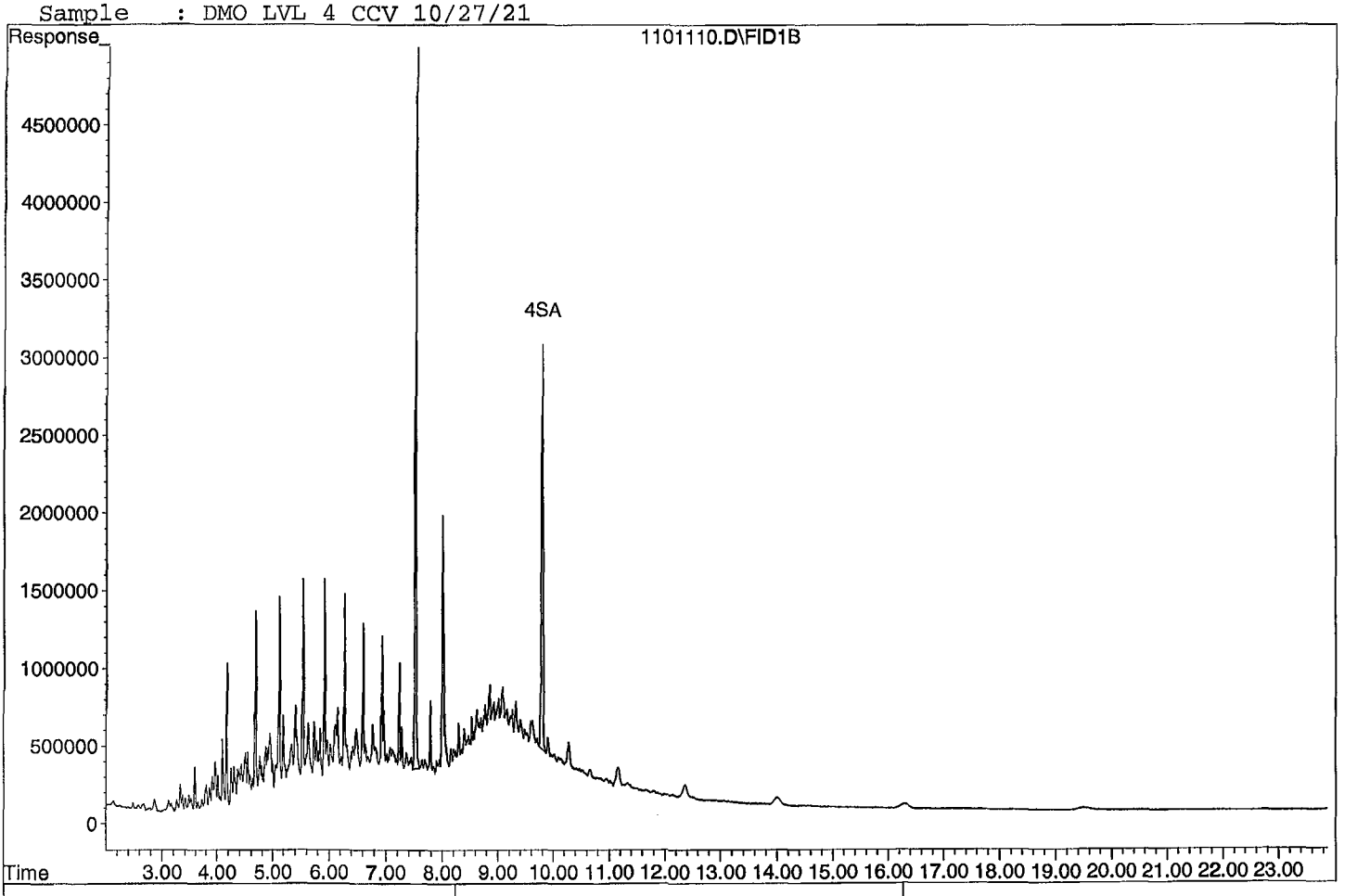
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

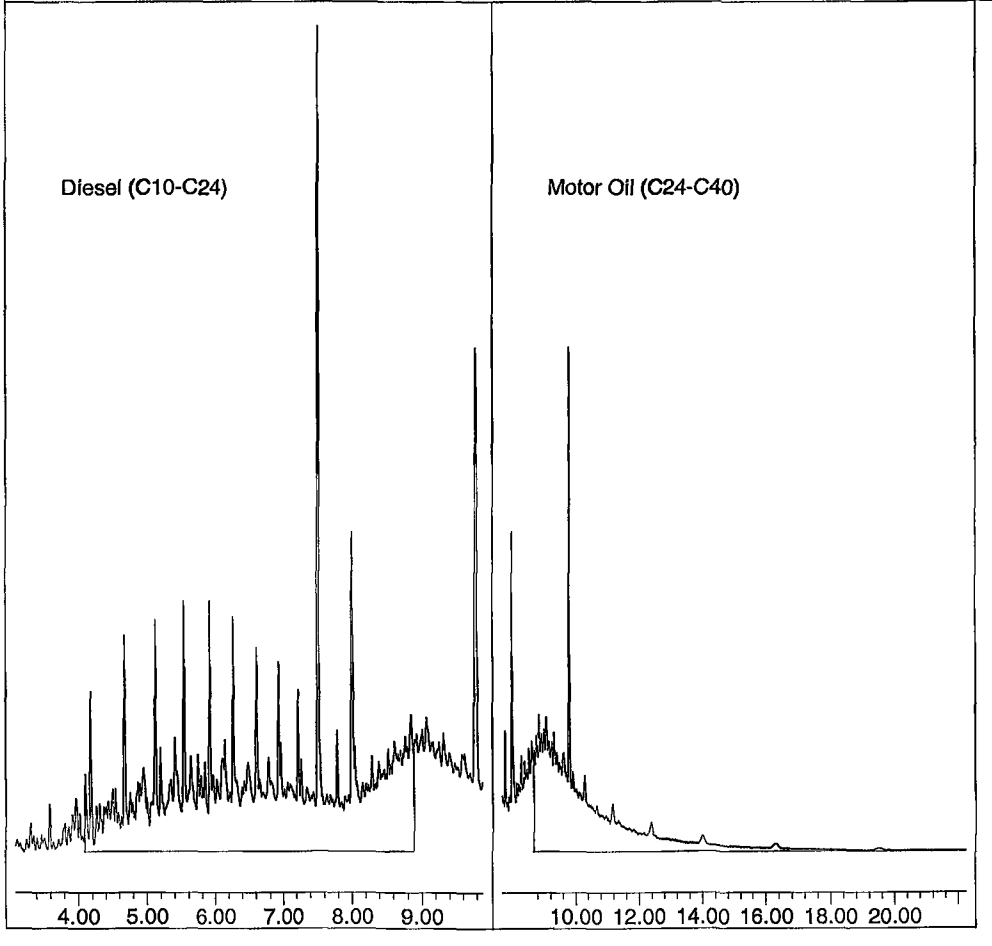
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 73683617 | 11.780 ppb |
| Surrogate Spike 30.000 | | Recovery = | 39.27% |
| 4) SA Octacosane(S) | 9.78 | 54000783 | 11.940 ppb |
| Surrogate Spike 30.000 | | Recovery = | 39.80% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1157264370 | 229.920 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 863028447 | 244.367 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101110.D
Sample : DMO LVL 4 CCV 10/27/21



TPH Extractables
DOC1028

Form 7
## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/4/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1101125.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2519000 | 0.09 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1824420 | 27 | HBTML | 3.5 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 3195930 | 2.2 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 2342550 | 3.6 | SA | |
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| | | Average | | | 8.2 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211101\1101125.D Vial: 25
Acq On : 11-4-21 3:23:33 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 4 7:19 2021 Quant Results File: DOC1028.RES

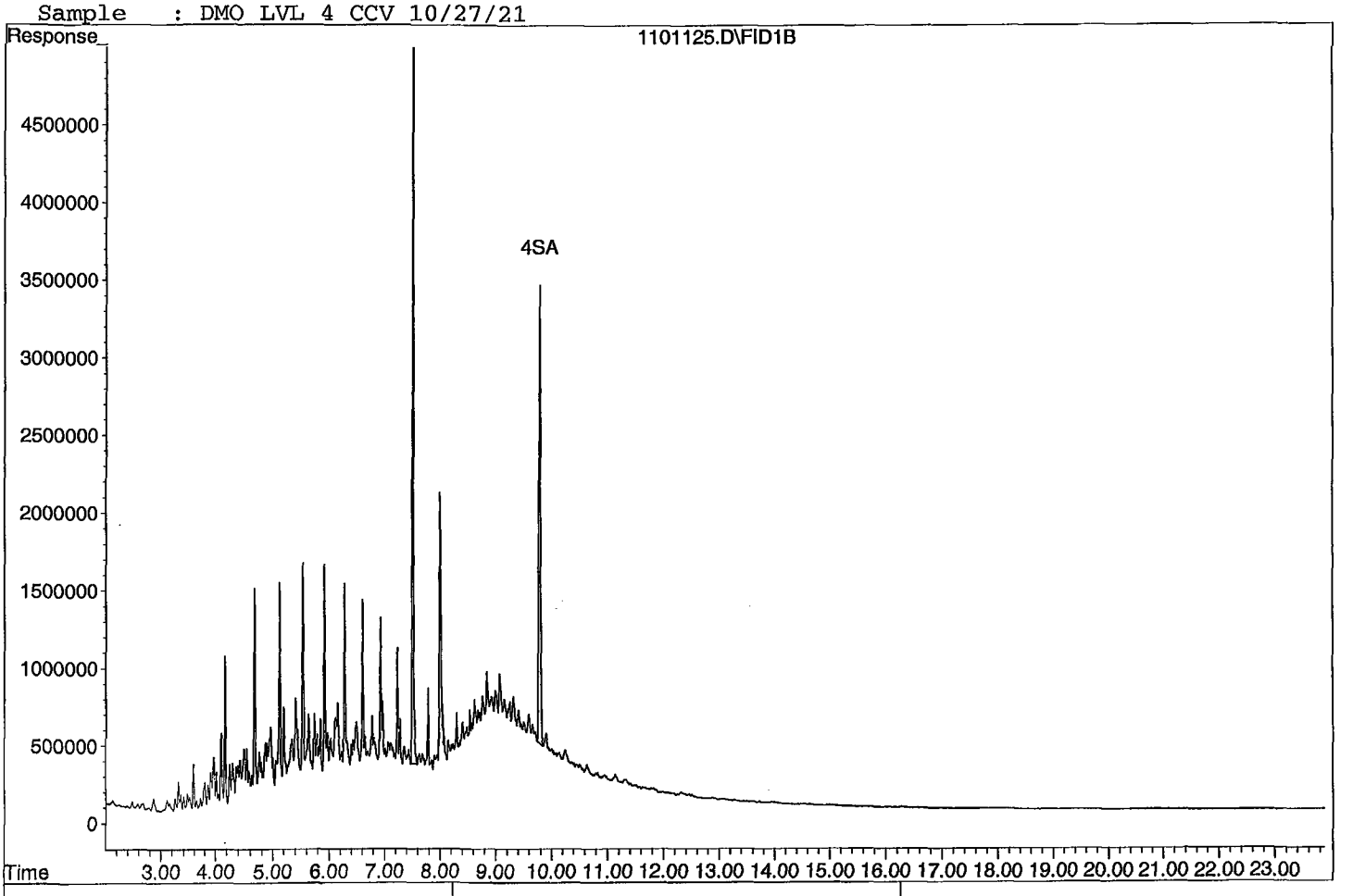
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

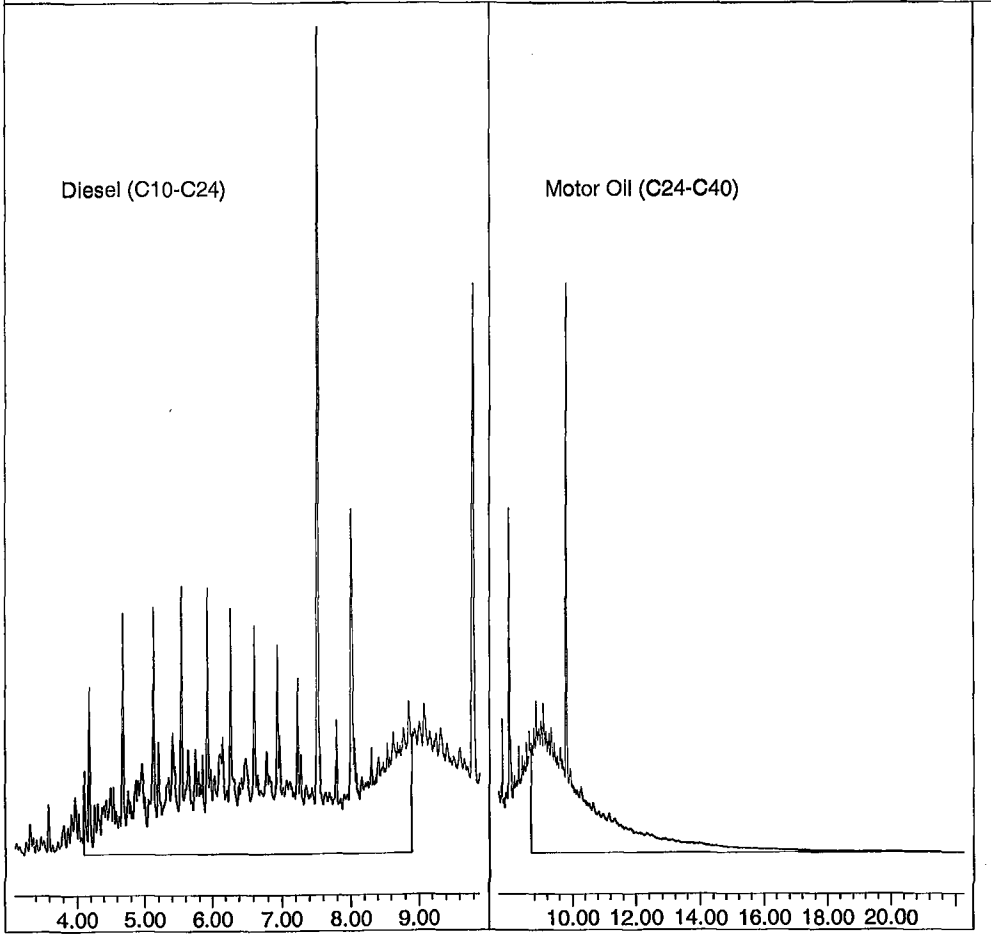
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 79898160 | 12.773 ppb |
| Surrogate Spike 30.000 | Recovery = | | 42.58% |
| 4) SA Octacosane(S) | 9.78 | 58563871 | 12.948 ppb |
| Surrogate Spike 30.000 | Recovery = | | 43.16% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1259499160 | 250.231 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 912207908 | 258.866 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101125.D
Sample : DMO LVL 4 CCV 10/27/21



# ORGANICS
# Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101119.D Vial: 19
Acq On : 11-4-21 0:35:07 Operator: KA
Sample : BA44376W09 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Nov 12 17:26 2021 Quant Results File: DOC1028.RES

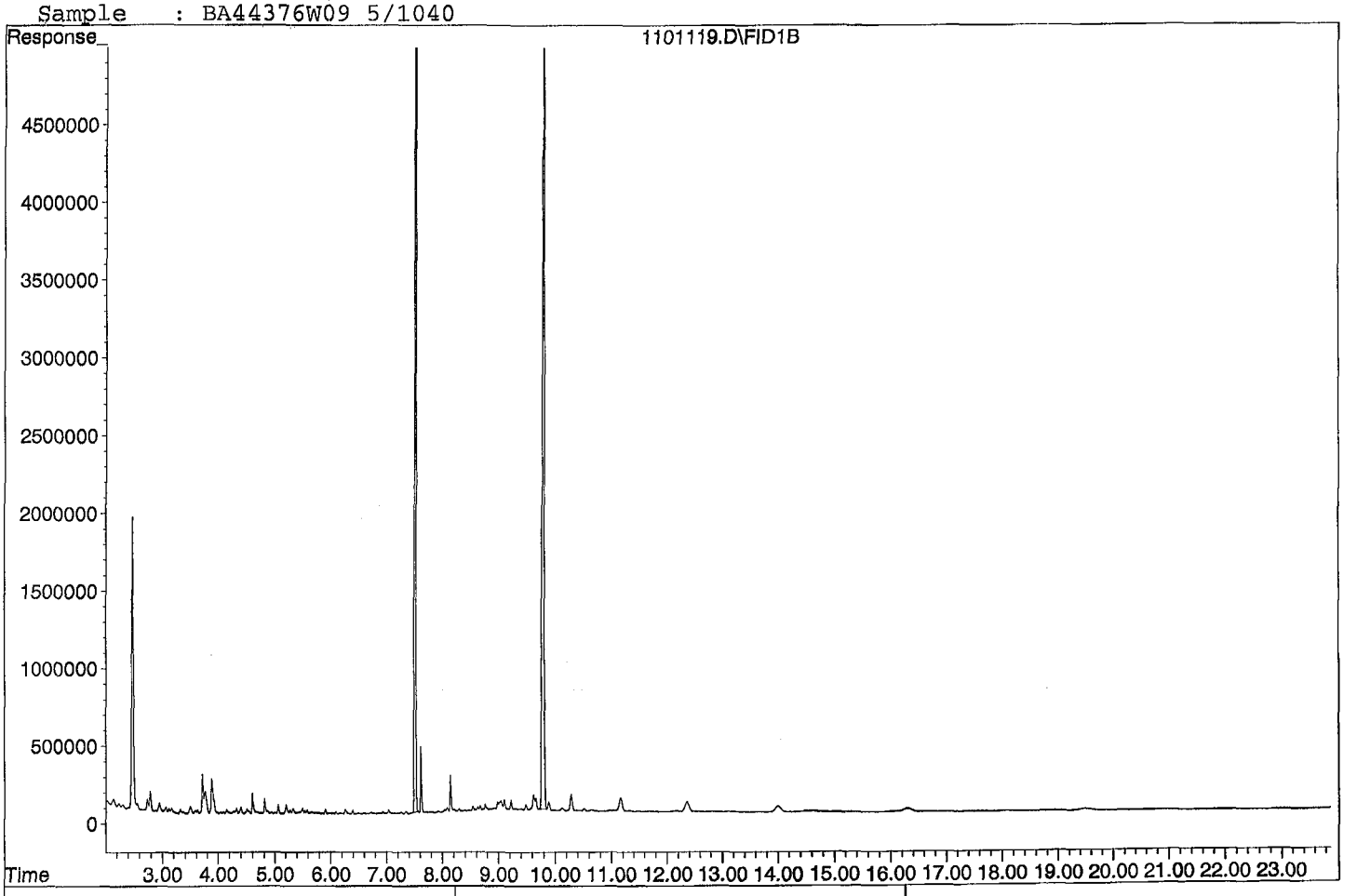
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

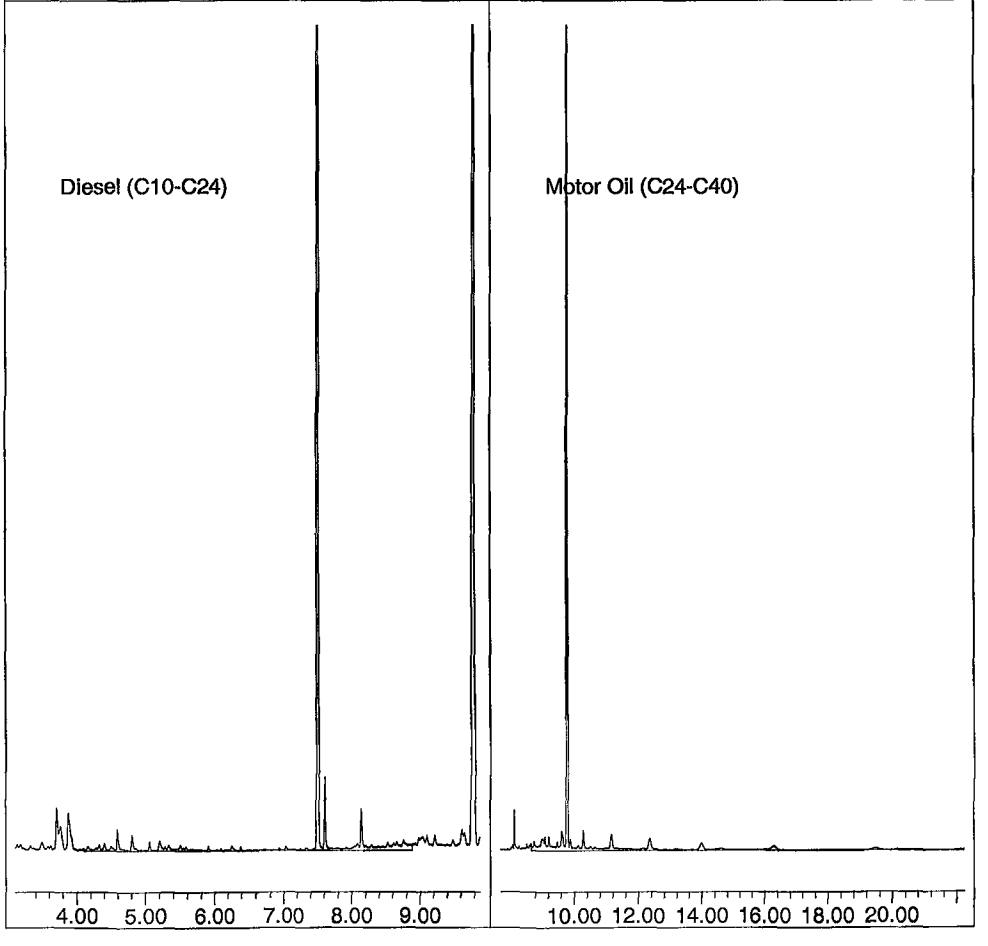
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 137729418 | 105.861 ppb |
| Surrogate Spike 144.231 | | Recovery = | 73.40% |
| 4) SA Octacosane(S) | 9.78 | 122107919 | 129.798 ppb |
| Surrogate Spike 144.231 | | Recovery = | 89.99% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 49684896 | 47.457 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 89014159 | 77.735 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101119.D
Sample : BA44376W09 5/1040



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101116.D Vial: 16
Acq On : 11-3-21 23:10:54 Operator: KA
Sample : 211029A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:24 2021 Quant Results File: DOC1028.RES

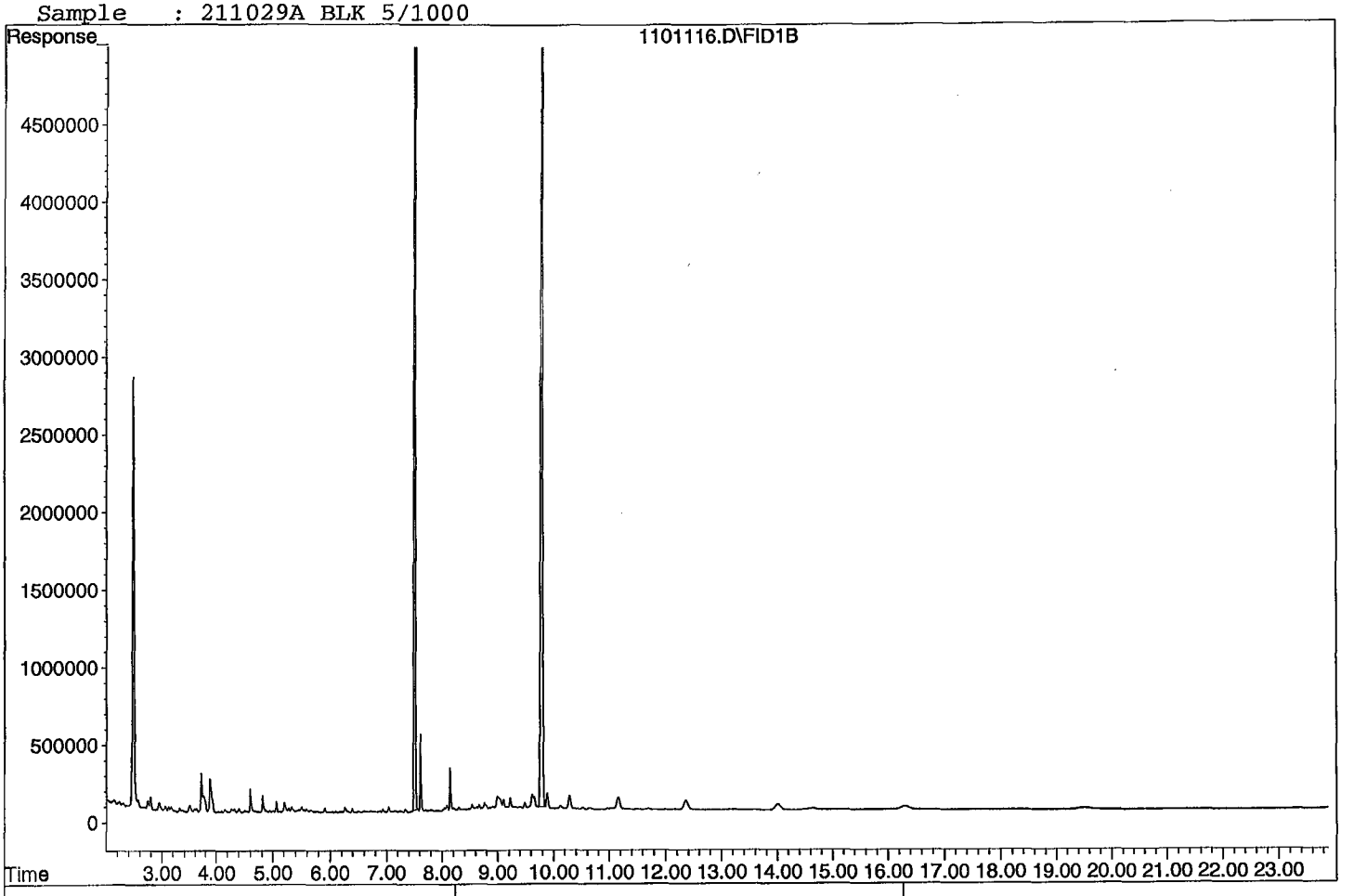
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

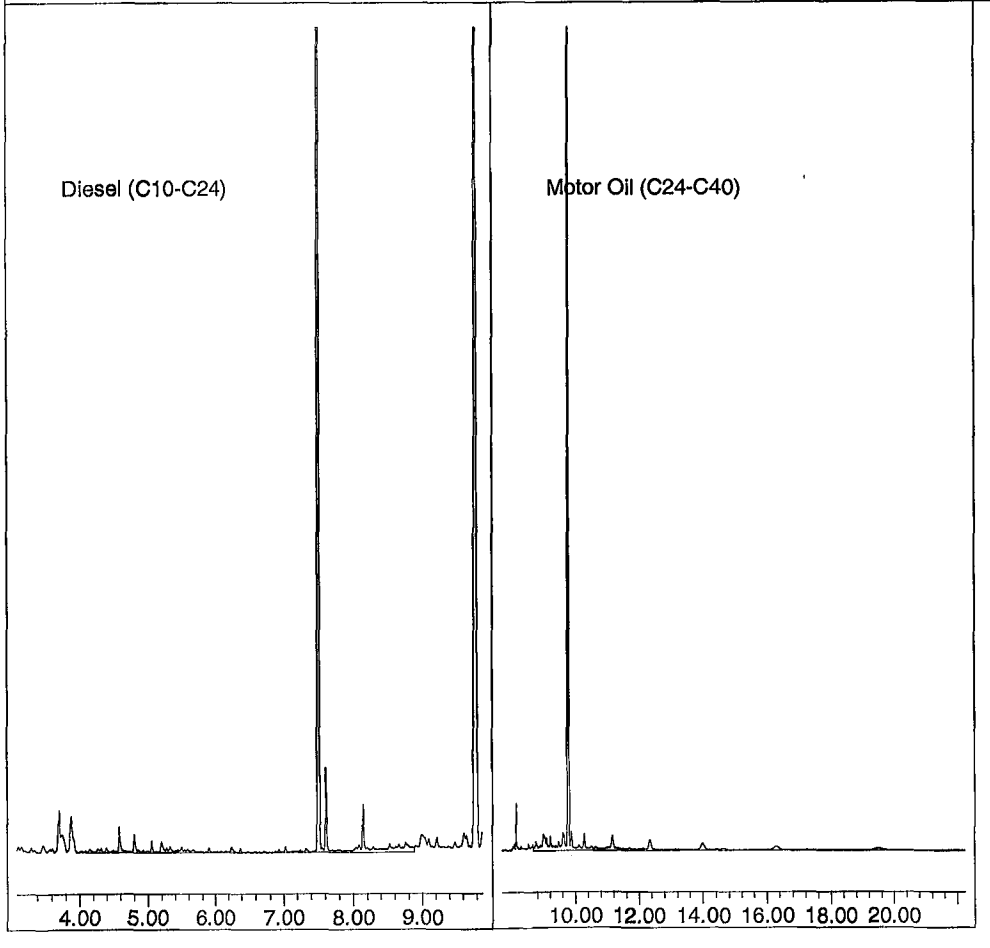
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 145281521 | 116.132 ppb |
| Surrogate Spike 150.000 | | Recovery = | 77.42% |
| 4) SA Octacosane(S) | 9.78 | 127897406 | 141.390 ppb |
| Surrogate Spike 150.000 | | Recovery = | 94.26% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 50894583 | 50.557 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 86976790 | 77.842 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101116.D
Sample : 211029A BLK 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101117.D Vial: 17
Acq On : 11-3-21 23:38:59 Operator: KA
Sample : 211029A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:25 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

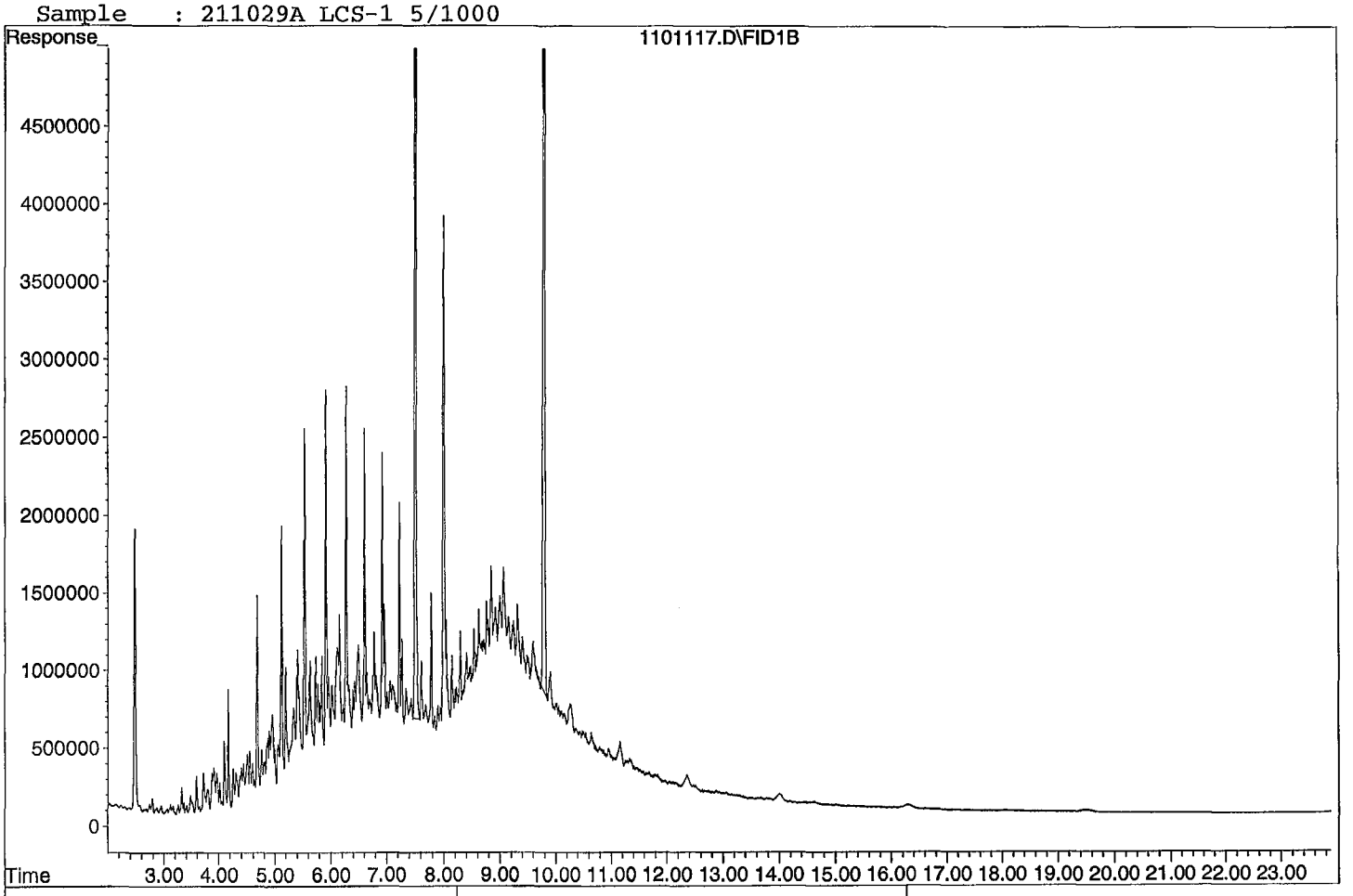
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 169650146 | 135.611 ppb |
| Surrogate Spike 150.000 | | Recovery = | 90.41% |
| 4) SA Octacosane(S) | 9.79 | 128841956 | 142.434 ppb |
| Surrogate Spike 150.000 | | Recovery = | 94.96% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 2114420240 | 2100.415 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 1608608236 | 2320.910 ppb |
| Target Compounds | | | |

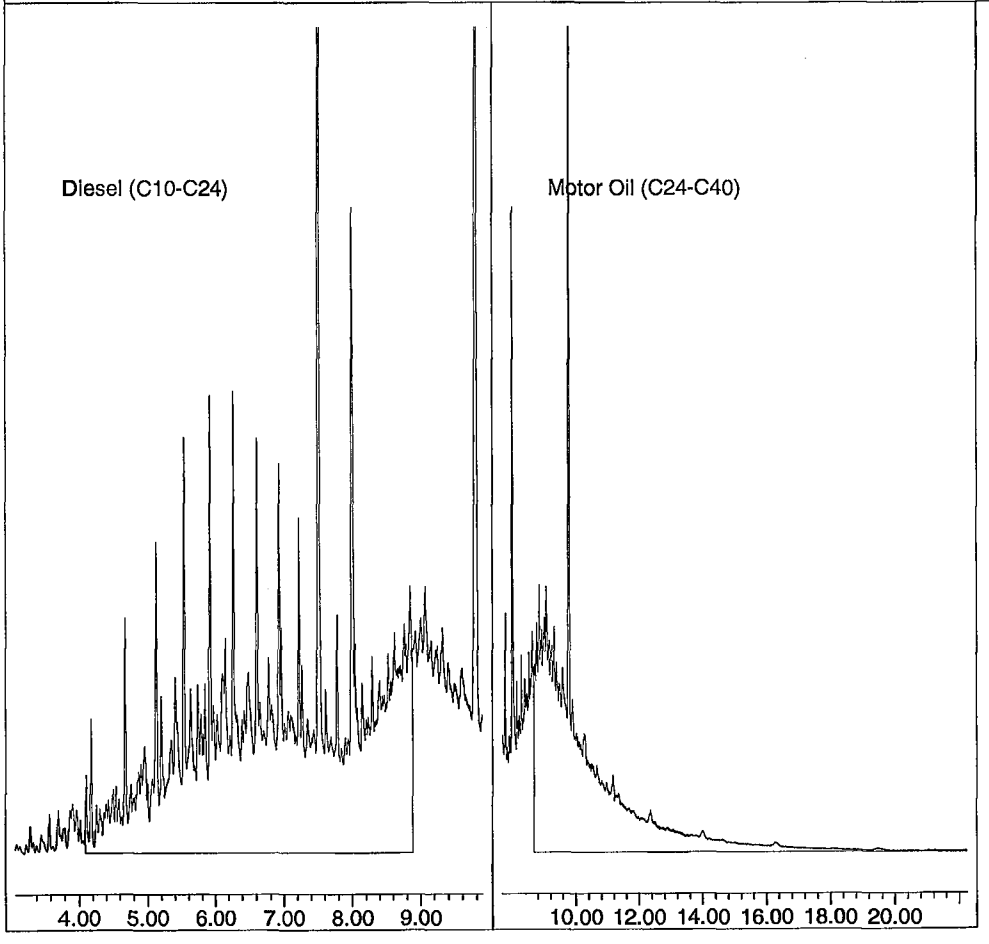
Diesel :

$$\frac{(2114420240)(5)}{(2516069)(2)} = \frac{1.06 \times 10^{10}}{5033338} = 2100.415$$

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101117.D
Sample : 211029A LCS-1 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101118.D Vial: 18
Acq On : 11-4-21 0:07:05 Operator: KA
Sample : 211029A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:26 2021 Quant Results File: DOC1028.RES

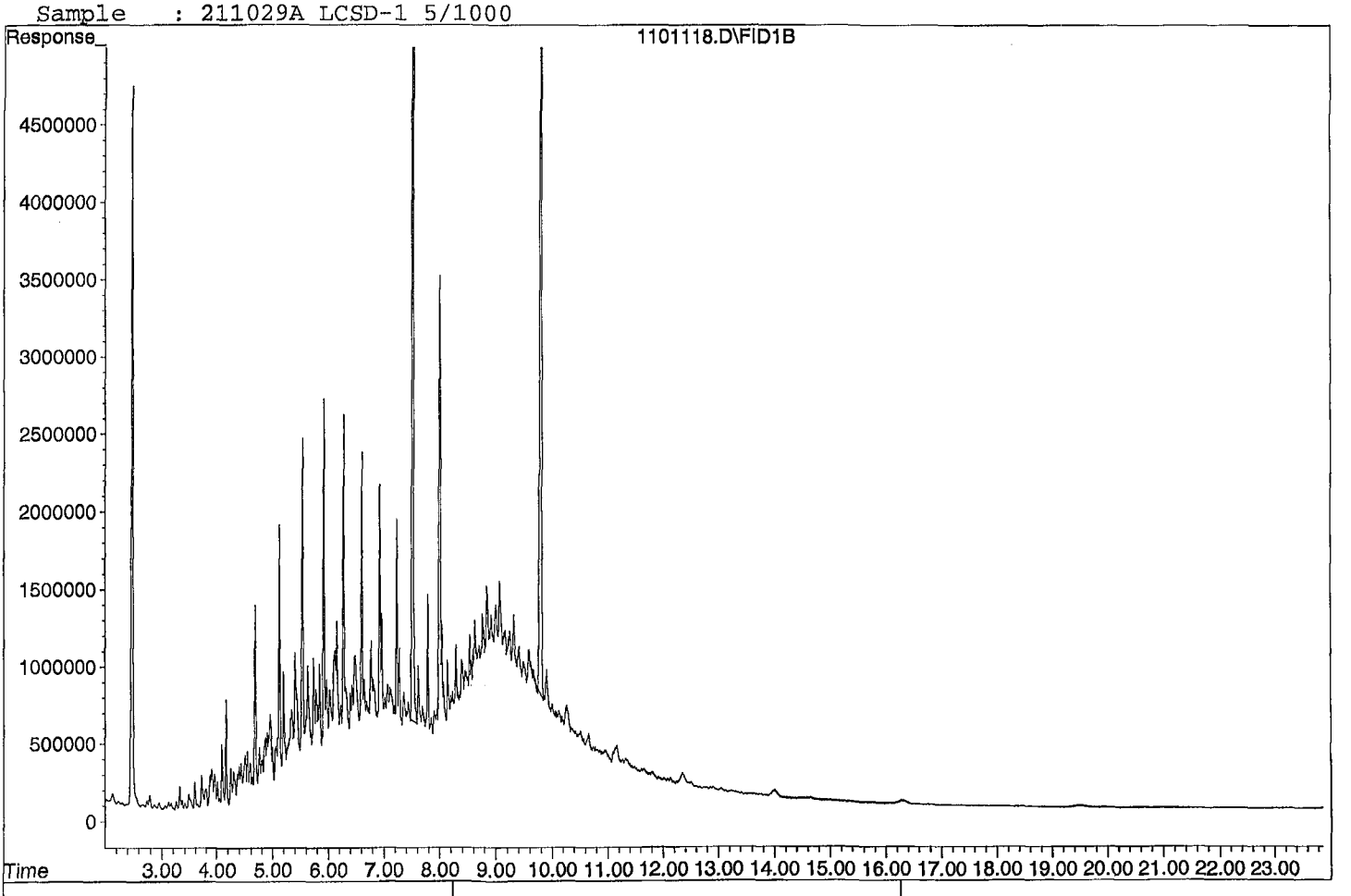
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:24:42 2021
Response via : Multiple Level Calibration

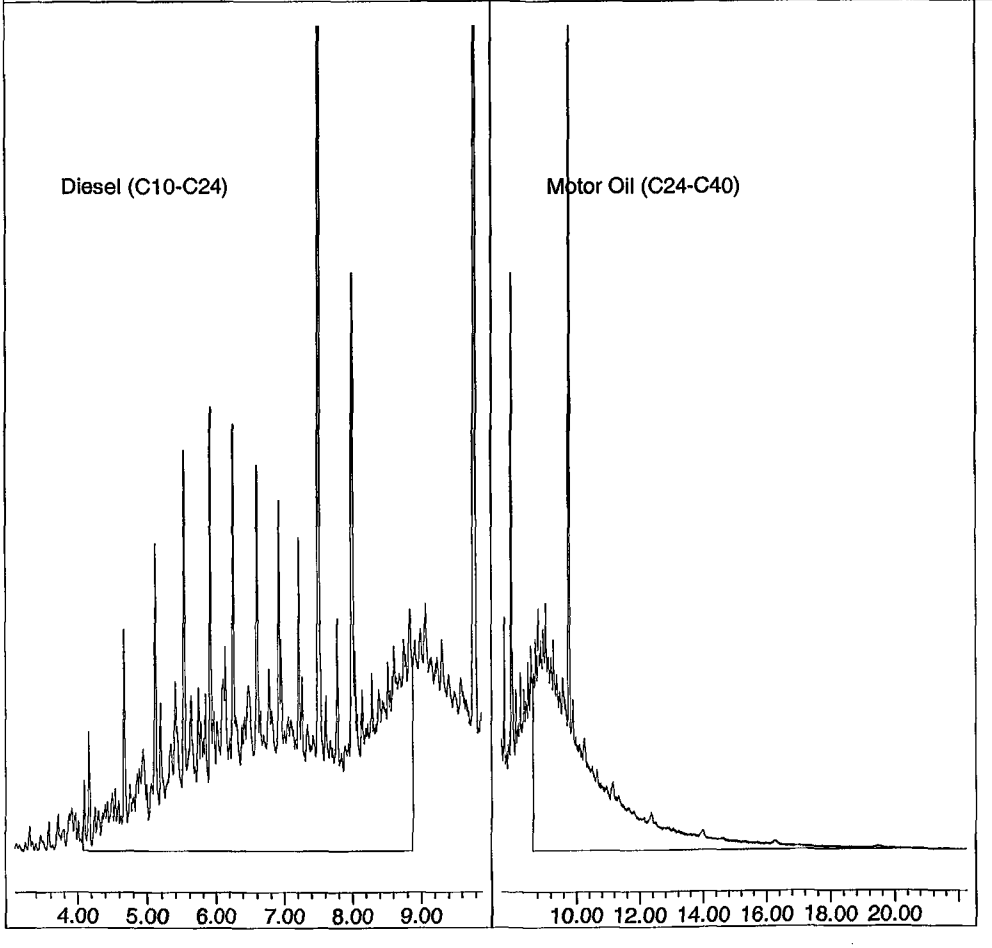
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 157187436 | 125.649 ppb |
| Surrogate Spike 150.000 | | Recovery = | 83.77% |
| 4) SA Octacosane(S) | 9.79 | 118062791 | 130.518 ppb |
| Surrogate Spike 150.000 | | Recovery = | 87.01% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1997829611 | 1984.597 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 1511034572 | 2177.074 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101118.D
Sample : 211029A LCSD-1 5/1000



## Diesel / Motor Oil Calibration Curve

**Prepared: 10/28/2021**
**Expires: 5/31/2026**
**Prepared By (Initials): KA**
**Methylene Chloride**
**Lot No. 61117**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Conc. (ug/mL) | APPL Mix Name | Reference to APPL Prep Date and Lot #'s | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel / Motor Oil - 2 | APPL | 10 | Diesel / Motor Oil - 1 | Perp'd: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835 | See man. Exp date | 10/31/2027 12/31/2027 5/31/2026 | 100uL | 200uL | MC | 5 |
| Diesel / Motor Oil - 3 | | 50 | Diesel / Motor Oil - 2 | | | | 200uL | 1mL | MC | 10 |
| Diesel / Motor Oil Calibration STD | Restek | 2,000 | Diesel / Motor Oil - 3 | | | | 25uL | 1mL | MC | 50 |
| | | | Diesel / Motor Oil - 4 | | | | 125uL | 1mL | MC | 250 |
| | | | Diesel / Motor Oil - 5 | | | | 500uL | 1mL | MC | 1000 |
| | | | Diesel / Motor Oil - 6 | | | | 750uL | 1mL | MC | 1500 |
| | | | Diesel / Motor Oil - 7 | | | | 100uL | 100uL | N/A | 2,000 |

## Diesel / Motor Oil Second Source

**Prepared: 10/28/2021**
**Expires: 10/28/2024**

**Prepared By (Initials): KA**

**Methylene Chloride Lot No. 61117**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel Fuel #2 Second Source | Phenova | AL0-101287 | 50,000 | **CL16477-52980** | **See man. Exp date** | **2/28/2027** | 50uL | 10mL | MC | 250 |
| Motor Oil Second Source | Absolute | 51094 | 50,000 | **102819-52981** | | **10/28/2024** | 50uL | | | |

## Diesel / Motor Oil CCV

**Prepared: 10/27/2021**
**Expires: 5/31/2026**
**Methylene Chloride Lot No. 61117**

**Prepared By (Initials): KA**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference to APPL Prep Date and Lot #'s | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel / Motor Oil STD | Restek | Diesel / Motor Oil CCV | 2,000 | Perp'd: 10/06/21 A0164485-52822, A0168842-52820, A0166510-52817, CL16893-52835 | **See man. Exp date** | **10/31/2027 12/31/2027 5/31/2026** | 1250uL | 10mL | MC | 250 |

## Diesel Motor Oil Mix

**Prepared: 10/16/2021** **Prepared By (Initials): KA**

**Expires: 10/31/2027**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel Fuel #2 | Restek | 31258 | 50,000 | **A0164485-52663 and 52822** | **See man. Date** | **10/31/2027** | 4.00 mL (1.4) | 8.0 mL (2.8) | NA | 25,000 |
| Motor Oil Composite | Restek | 31464 | 50,000 | **A0166510-52817 and 52819** | **See man. Date** | **12/31/2027** | 4.00 mL (1.4) | | | 25,000 |

**THC Surrogate**

**Prepared: 10/29/2021** **LS**

**Expires: 5/31/2026**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| O-terphenyl / Octacosane Mix | Phenova | ALO-130161 | 600 | **CL16893-52841** | **See ma. Date** | **5/31/2026** | N/A | N/A | N/A | 600 |

# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH- 3520C w/SGC | Extraction Set | 211029A | Extraction Method | LIQ005SGC | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | Diesel Motor Oil Mix 10-16-21 10-16-22 | | Surrogate ID 1 | THC Surrogate 10-29-21 10-29-22 | |
| Spiked ID 2 | Decanoic 1000ug/mL Acid Solution 11-1-21 11-1-22 | | Surrogate ID 2 | | |
| Spiked ID 3 | Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22 | | Surrogate ID 3 | | |
| Spiked ID 4 | | | Surrogate ID 4 | | |
| Spiked ID 5 | | | Surrogate ID 5 | | |
| Spiked ID 6 | | | Sufficient Vol for Matrix QC: | NO | |
| Spiked ID 7 | | | Ext. Start Time: | 10/29/21 15:29 | |
| Spiked ID 8 | | | Ext. End Time: | 11/02/21 14:38 | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 2 | 10/29/21 13:30 | Water Bath Temp 1 °C | 42/41.1 °C |
| pH2 | | | Water Bath Temp 2 °C | 36/37.1 |
| pH3 | | | Water Bath Temp 3 °C | 36/35.5 °C |

**Spiked By:** SR **Date** 10/29/2021 **Witnessed By:** KY **Date** 10/29/2021

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211029A Blk | | 0.050 | 2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP3 E-WB1 | | | | |
| 2 | 211029A LCS-1 | | .080,.050 | 1,2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP4 E-WB2 | | | | |
| 3 | 211029A LCSD-1 | | .080,.050 | 1,2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP6 E-WB3 | | | | |
| 4 | BA44376 | BA44376W09 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97985 * |
| | | | | | | equip | E-HP7 E-WB1 | | | | |
| 5 | BA44379 | BA44379W10 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97984 * |
| | | | | | | equip | E-HP8 E-WB2 | | | | |
| 6 | BA44380 | BA44380W08 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97984 * |
| | | | | | | equip | E-HP9 E-WB3 | | | | |
| 7 | BA44459 | BA44459W09 | 0.050 | 3 | 0.250 | 1 | 1030 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP10 E-WB1 | | | | |
| 8 | BA44461 | BA44461W09 | 0.050 | 3 | 0.250 | 1 | 980 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP11 E-WB2 | | | | |
| 9 | BA44463 | BA44463W09 | 0.050 | 3 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP12 E-WB3 | | | | |
| 10 | BA44465 | BA44465W09 | 0.050 | 3 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP13 E-WB1 | | | | |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 60358 |
| PH Strips | HC155968 |
| Dichloromethane (DCM) | 61117 |
| Filter Paper | 400196 |
| Sodium Sulfate | 2021071206 |
| SILICA GEL (*) | 050627t |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | KY |
| GC analyst's initials | KA |
| Date | 11/2/21 |
| Time | 17:37 |
| Refrigerator | Hobart |

| | Technician's Initials |
|---|---|
| Scanned By | SR |
| Sample Preparation | SR |
| Extraction | SR |
| Concentration | SR |

| Modified | 11/3/2021 8:31:30 AM |
|---|---|

**Reviewed By:** KY **Date** 11/3/2021

# Injection Log

Directory: G:\APOLLO\DATA\211028\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 1028003.D | 1 | DMO STD 1 10/28/21 | water | 10-28-21 9:19:03 |
| 2 | 4 | 1028004.D | 1 | DMO STD 2 10/28/21 | water | 10-28-21 9:47:06 |
| 3 | 5 | 1028005.D | 1 | DMO STD 3 10/28/21 | water | 10-28-21 10:15:13 |
| 4 | 6 | 1028006.D | 1 | DMO STD 4 10/28/21 | water | 10-28-21 10:43:31 |
| 5 | 7 | 1028007.D | 1 | DMO STD 5 10/28/21 | water | 10-28-21 11:11:42 |
| 6 | 8 | 1028008.D | 1 | DMO STD 6 10/28/21 | water | 10-28-21 11:39:55 |
| 7 | 9 | 1028009.D | 1 | DMO STD 7 10/28/21 | water | 10-28-21 12:08:10 |
| 8 | 10 | 1028010.D | 1 | DMO Second Source 10/28/21 | water | 10-28-21 12:36:26 |
| 9 | 10 | 1101110.D | 1 | DMO LVL 4 CCV 10/27/21 | Water | 11-3-21 20:21:54 |
| 10 | 16 | 1101116.D | 5 | 211029A BLK 5/1000 | water | 11-3-21 23:10:54 |
| 11 | 17 | 1101117.D | 5 | 211029A LCS-1 5/1000 | water | 11-3-21 23:38:59 |
| 12 | 18 | 1101118.D | 5 | 211029A LCSD-1 5/1000 | water | 11-4-21 0:07:05 |
| 13 | 19 | 1101119.D | 4.80769 | BA44376W09 5/1040 | water | 11-4-21 0:35:07 |
| 14 | 25 | 1101125.D | 1 | DMO LVL 4 CCV 10/27/21 | water | 11-4-21 3:23:33 |

# ORGANICS
# Calibration Data

TPH Extractables
DOC1028

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | Compound | 1028003.D 1 | 1028004.D 2 | 1028005.D 3 | 1028006.D 4 | 1028007.D 5 | 1028008.D 6 | 1028009.D 7 | | | | Avg | %RSD | Type | r^2 | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2983809 | 2406563 | 2517872 | 2418941 | 2337993 | 2387715 | 2563791 | | | | 2516669 | 8.7 | HATM | | |
| 2 | HBTML | Motor Oil (C24-C40) | 5192328 | 3260715 | 2065863 | 1824592 | 1695984 | 1676117 | 1728658 | | | | 2492037 | 53 | HBTM | 1.000 | |
| 3 | SA | Ortho-Terphenyl(S) | 3637234 | 3178668 | 3119876 | 3035678 | 2926966 | 2905323 | 3088794 | | | | 3127505 | 7.9 | SA | | |
| 4 | SA | Octacosane(S) | 2469203 | 2170507 | 2286410 | 2275552 | 2170413 | 2171254 | 2286658 | | | | 2261428 | 4.8 | SA | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | |

2.118919

Quantitation Report (Not Reviewed)

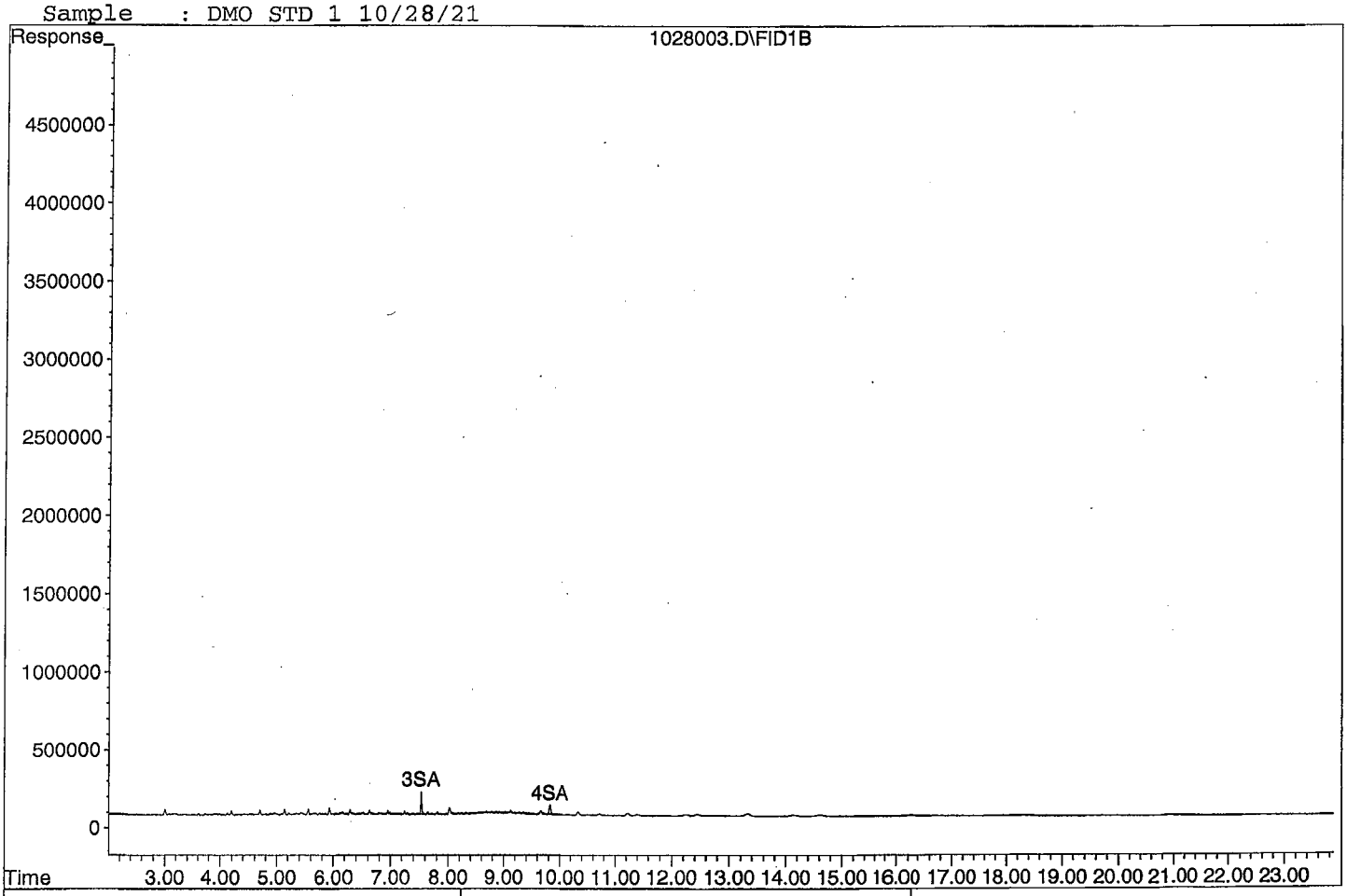
Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

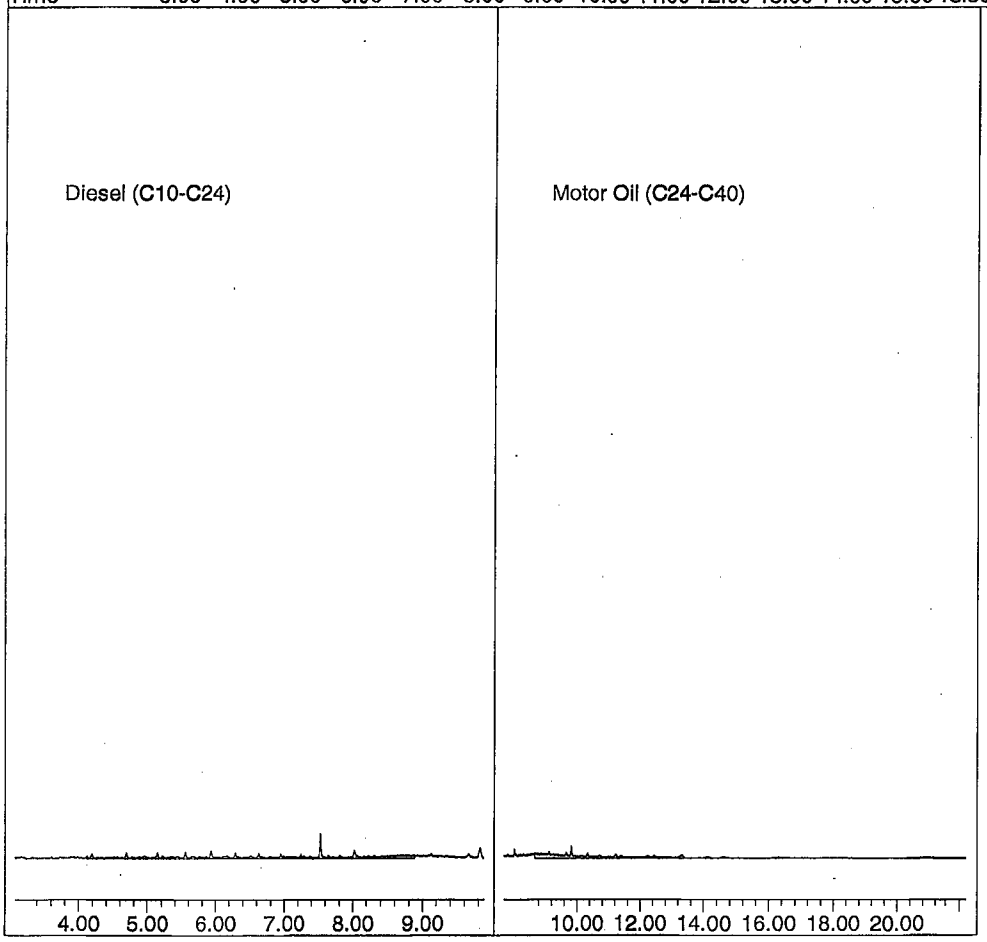
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 1818617 | 0.291 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.97% |
| 4) SA Octacosane(S) | 9.82 | 1234601 | 0.273 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.91% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 29838086 | 5.928 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 51923283 | 5.234 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21



Quantitation Report (Not Reviewed)

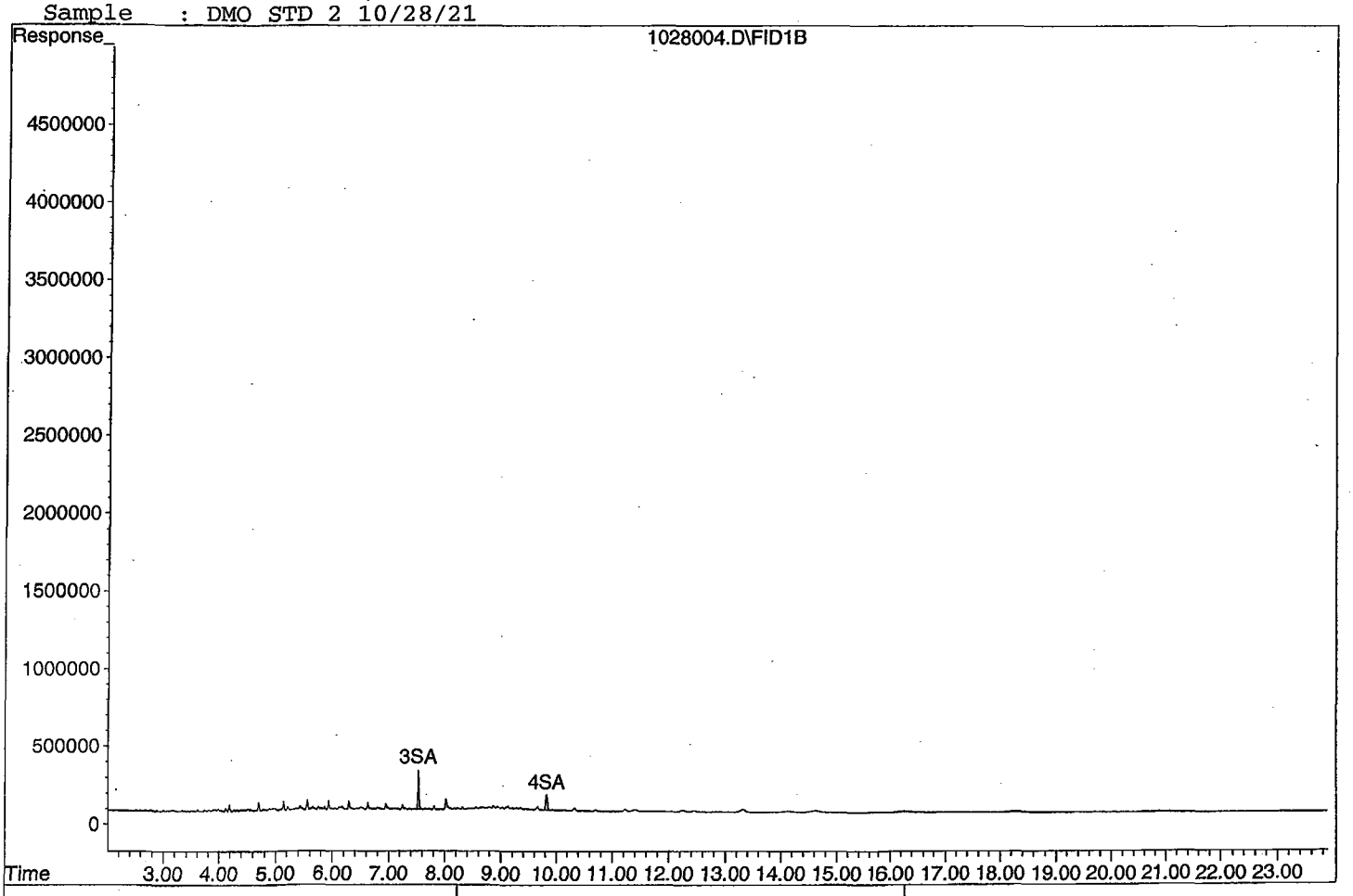
Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

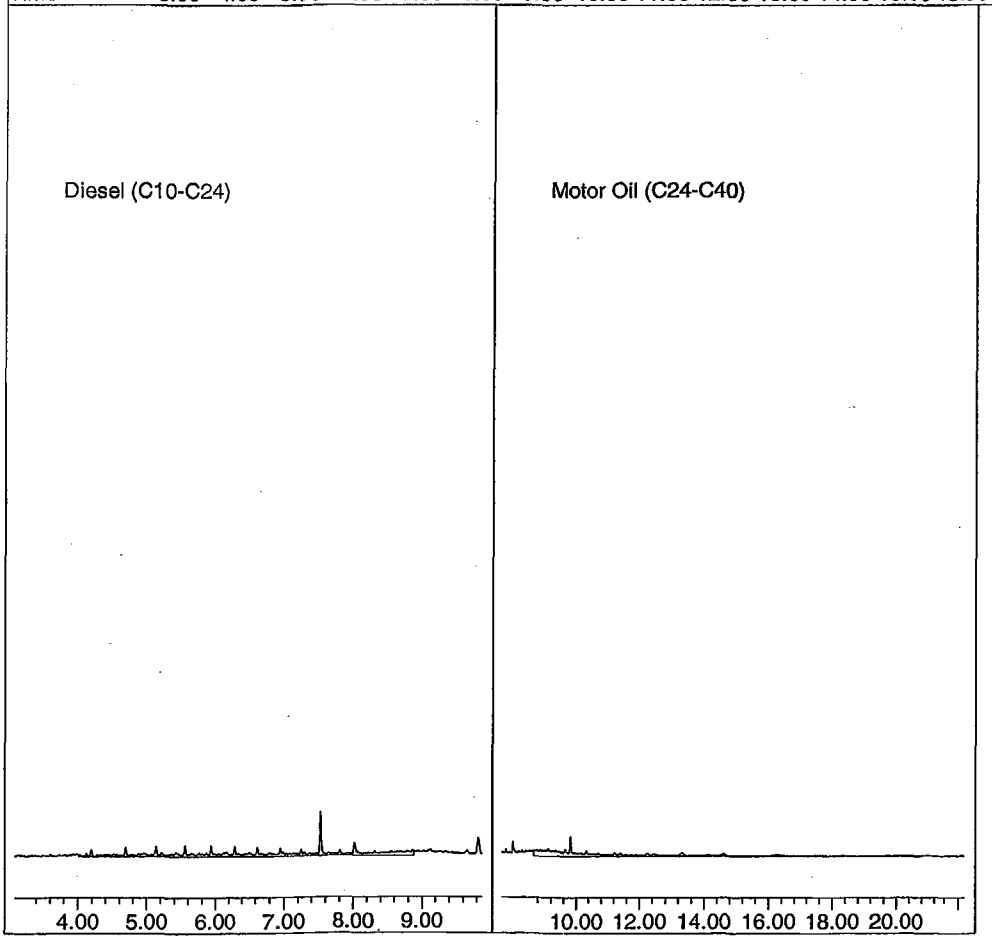
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 3178668 | 0.508 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.69% |
| 4) SA Octacosane(S) | 9.82 | 2170507 | 0.480 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.60% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 48131263 | 9.562 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 65214303 | 9.152 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

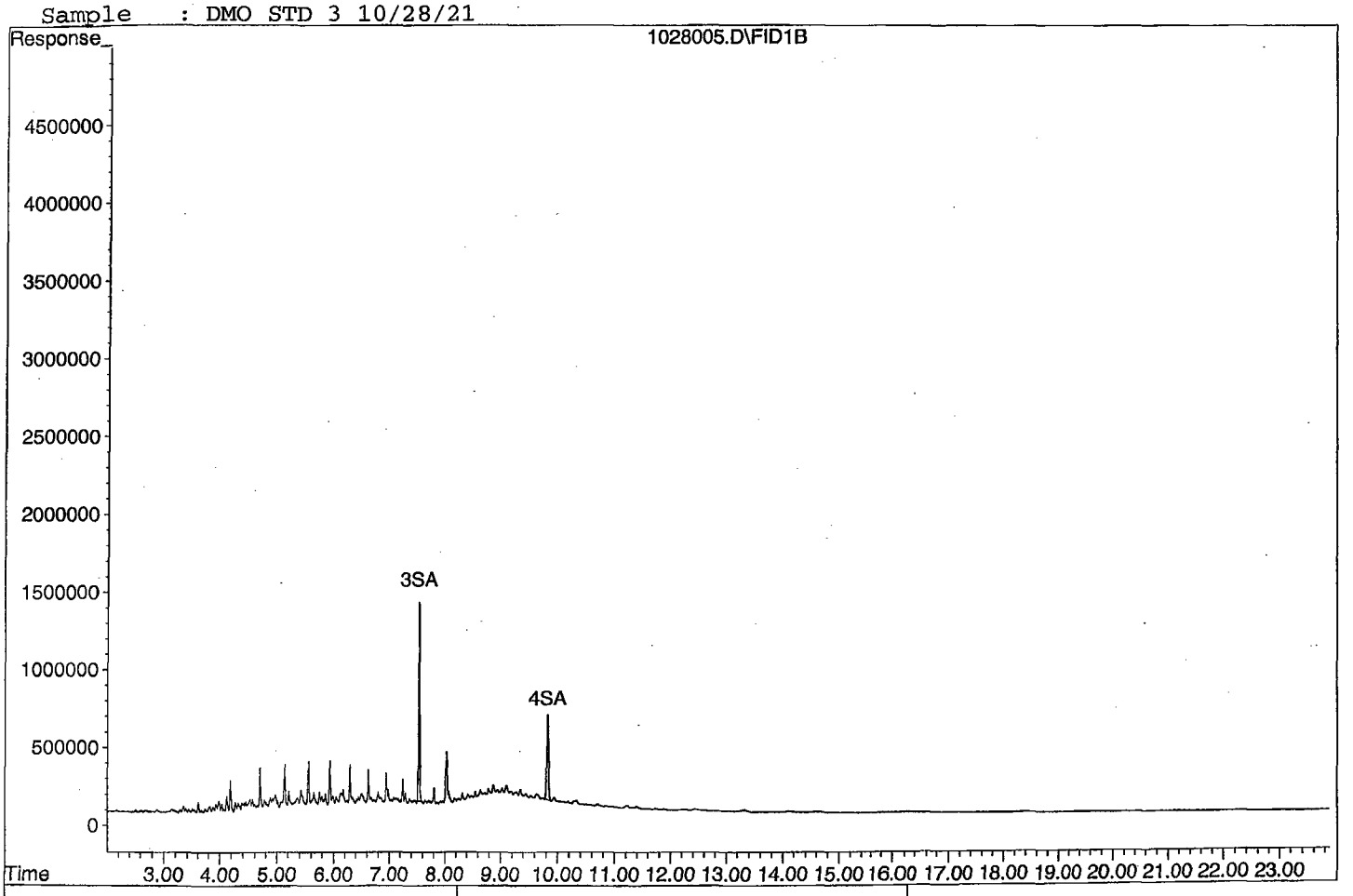
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

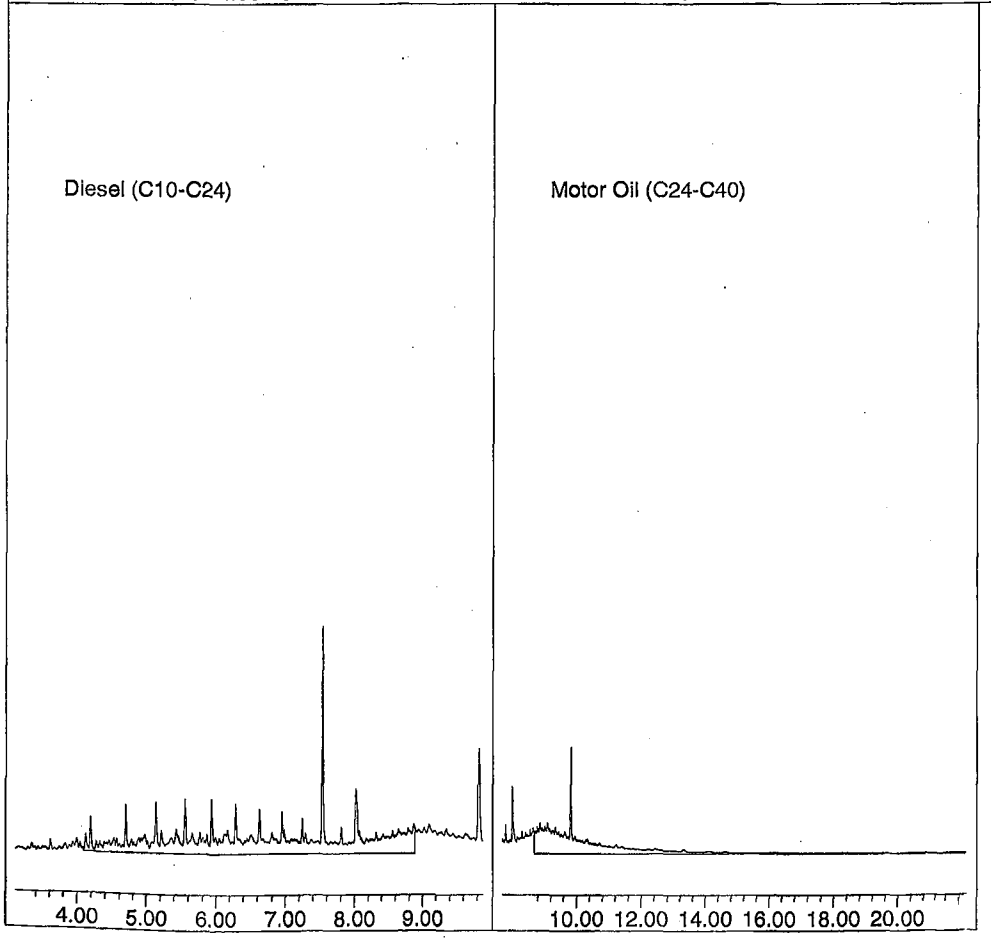
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 15599382 | 2.494 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.31% |
| 4) SA Octacosane(S) | 9.82 | 11432050 | 2.528 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.43% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 251787231 | 50.024 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 206586322 | 50.832 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

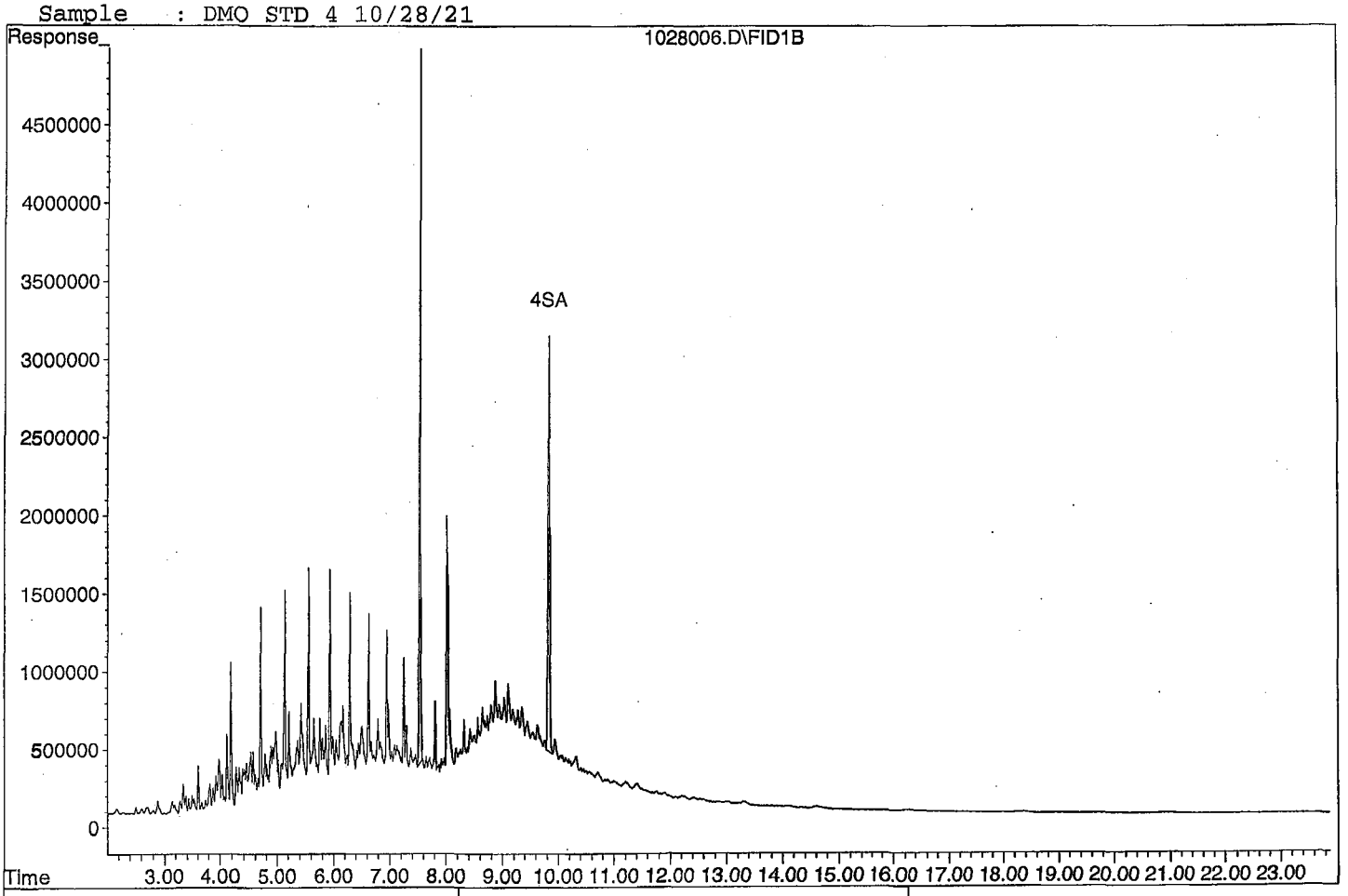
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

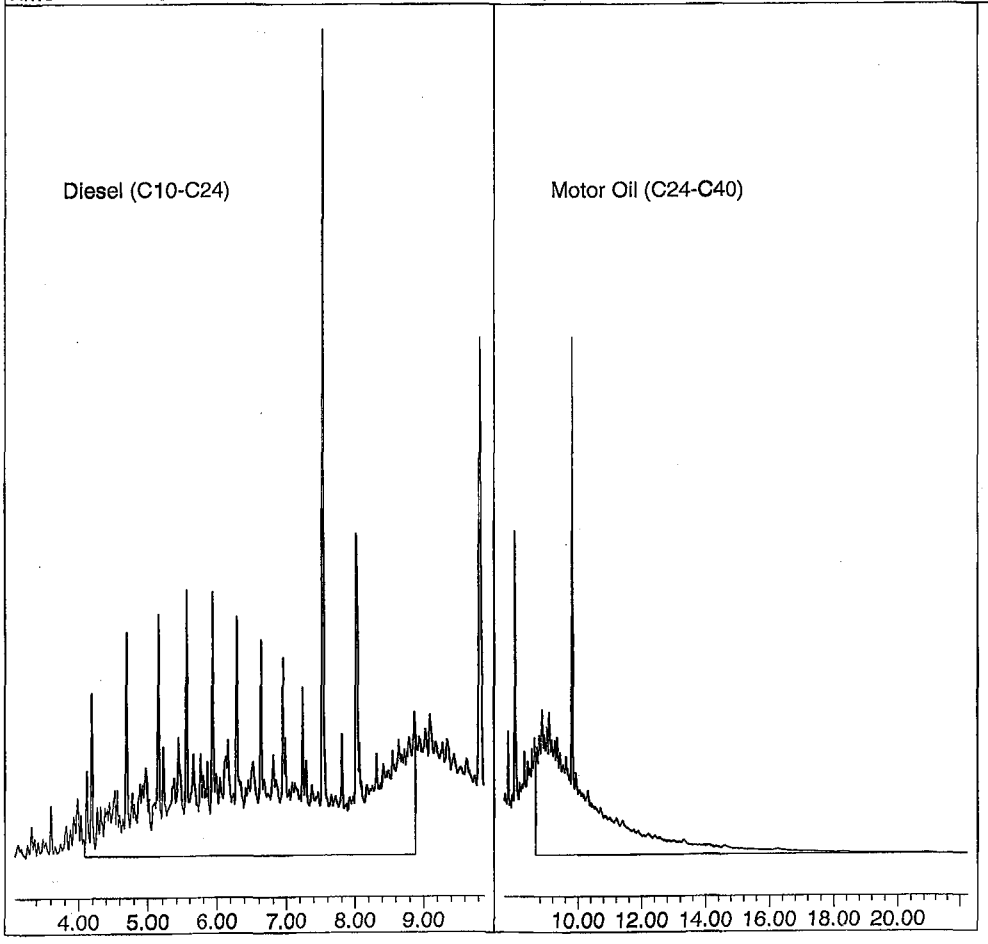
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 75891940 | 12.133 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.44% |
| 4) SA Octacosane(S) | 9.82 | 56888797 | 12.578 ppb |
| Surrogate Spike 30.000 | | Recovery = | 41.93% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1209470396 | 240.292 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 912296132 | 258.892 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

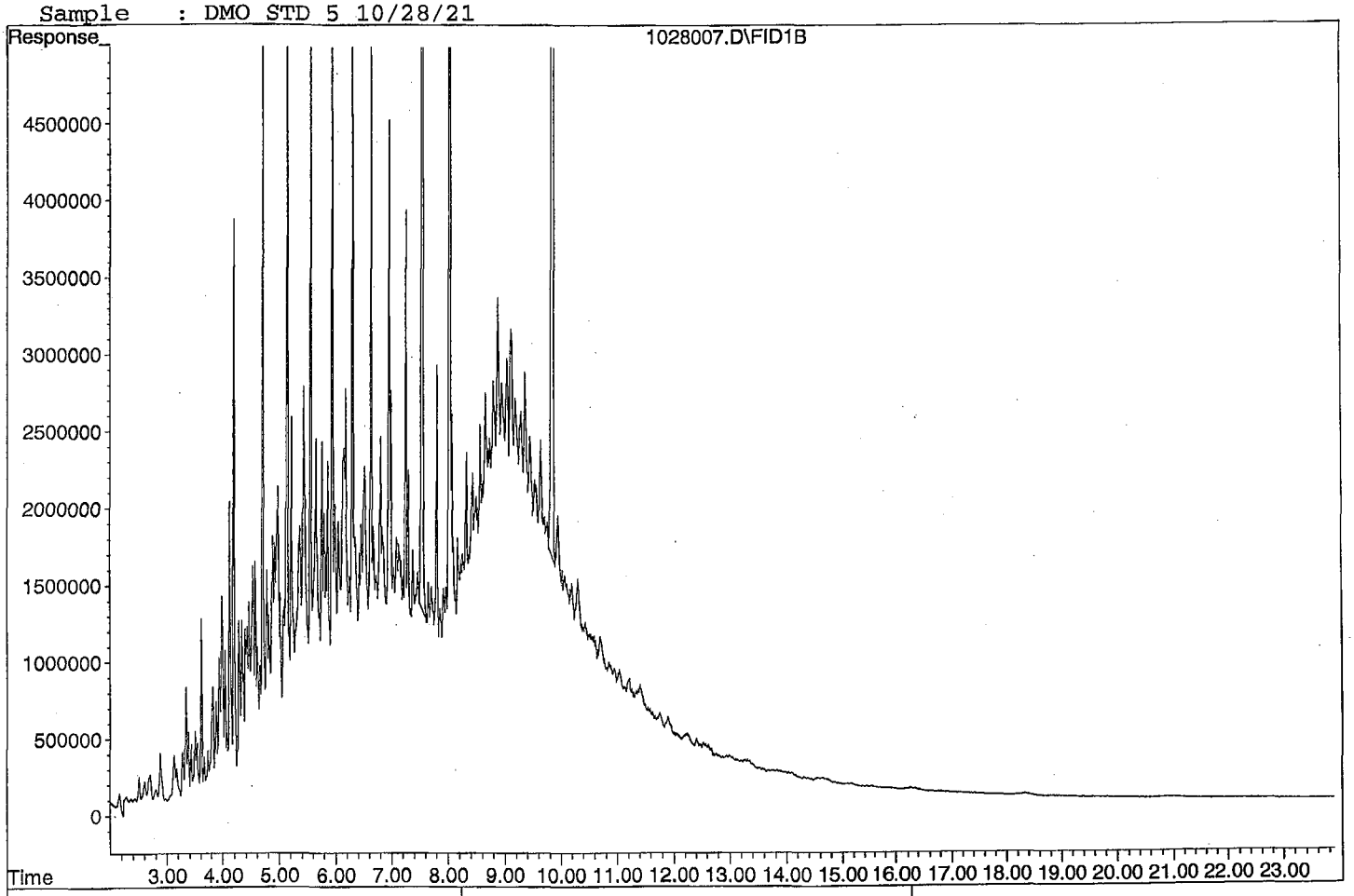
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

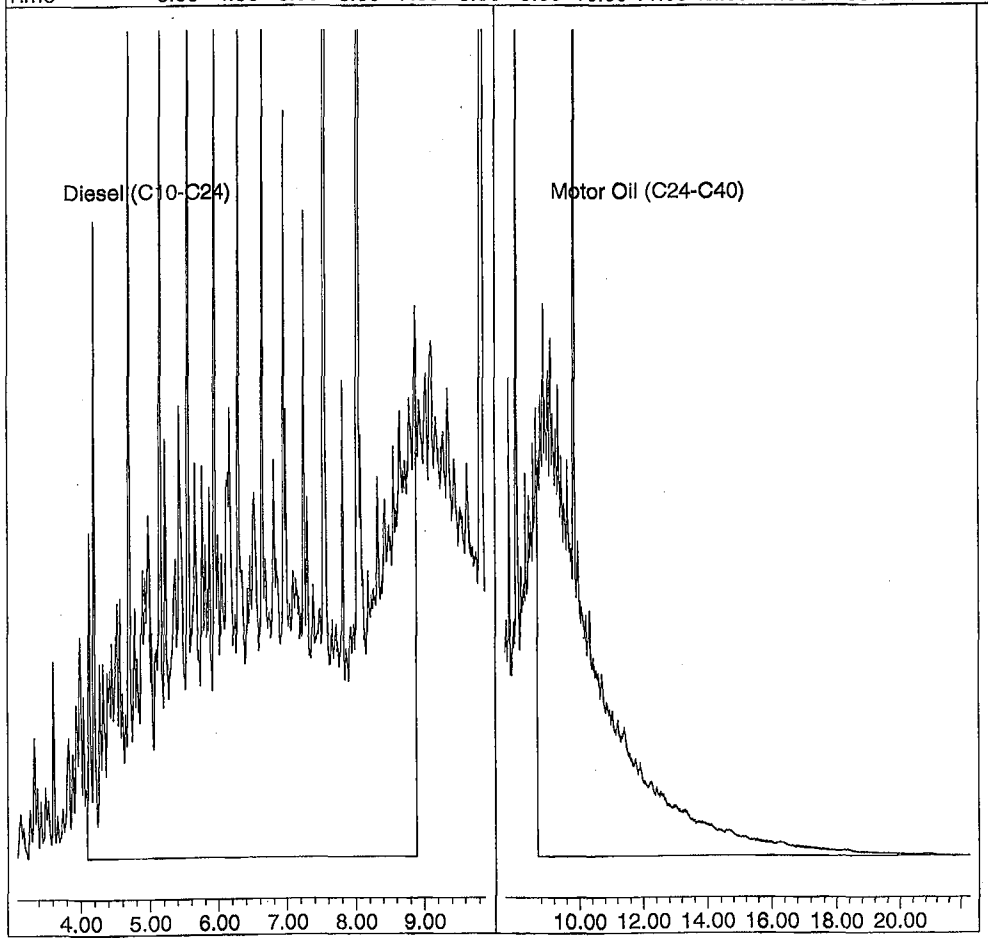
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 292696553 | 46.794 ppb |
| Surrogate Spike 30.000 | | Recovery = | 155.98% |
| 4) SA Octacosane(S) | 9.83 | 217041298 | 47.988 ppb |
| Surrogate Spike 30.000 | | Recovery = | 159.96% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 4675985227 | 929.003 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 3391967397 | 989.959 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

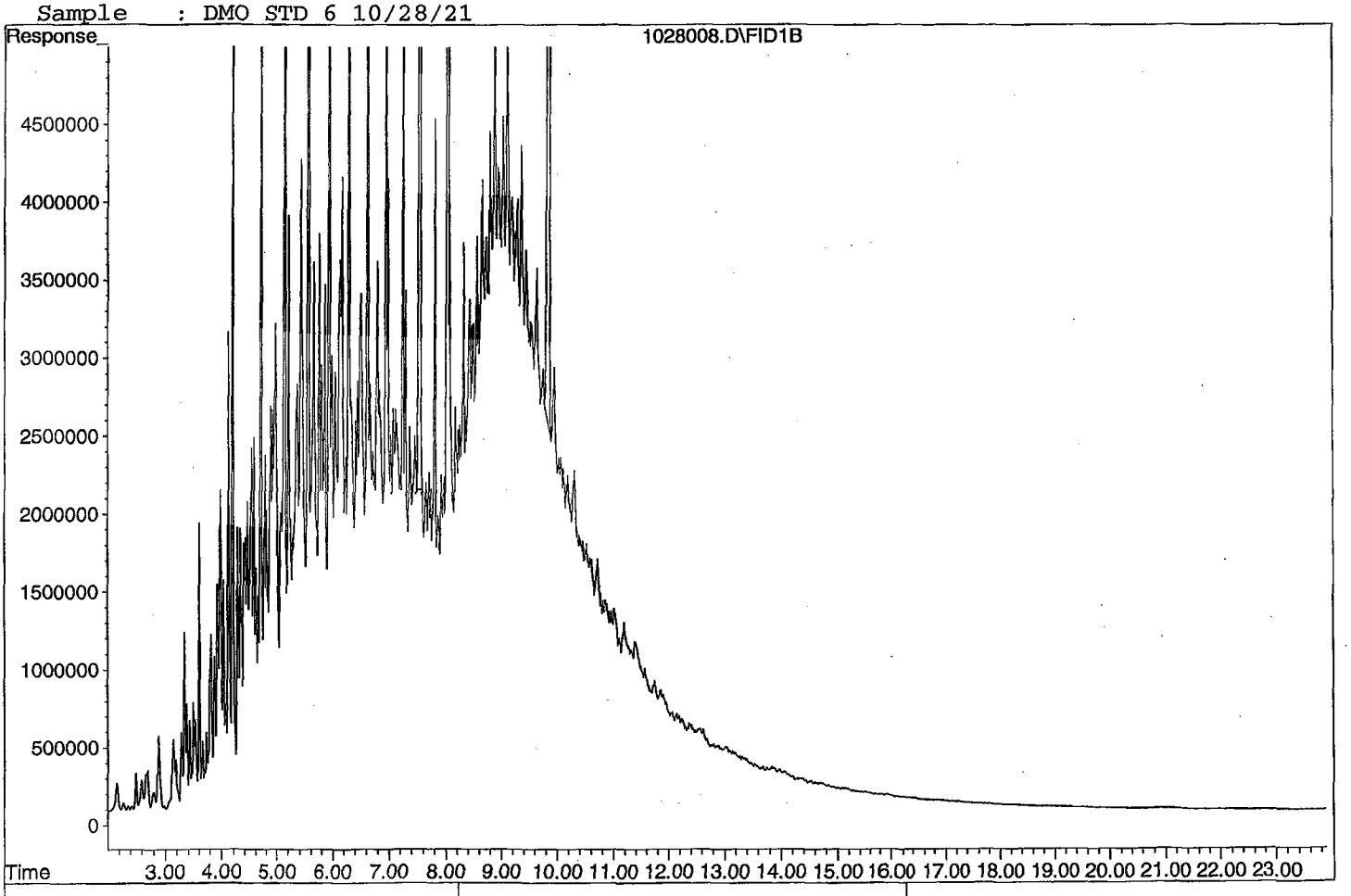
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

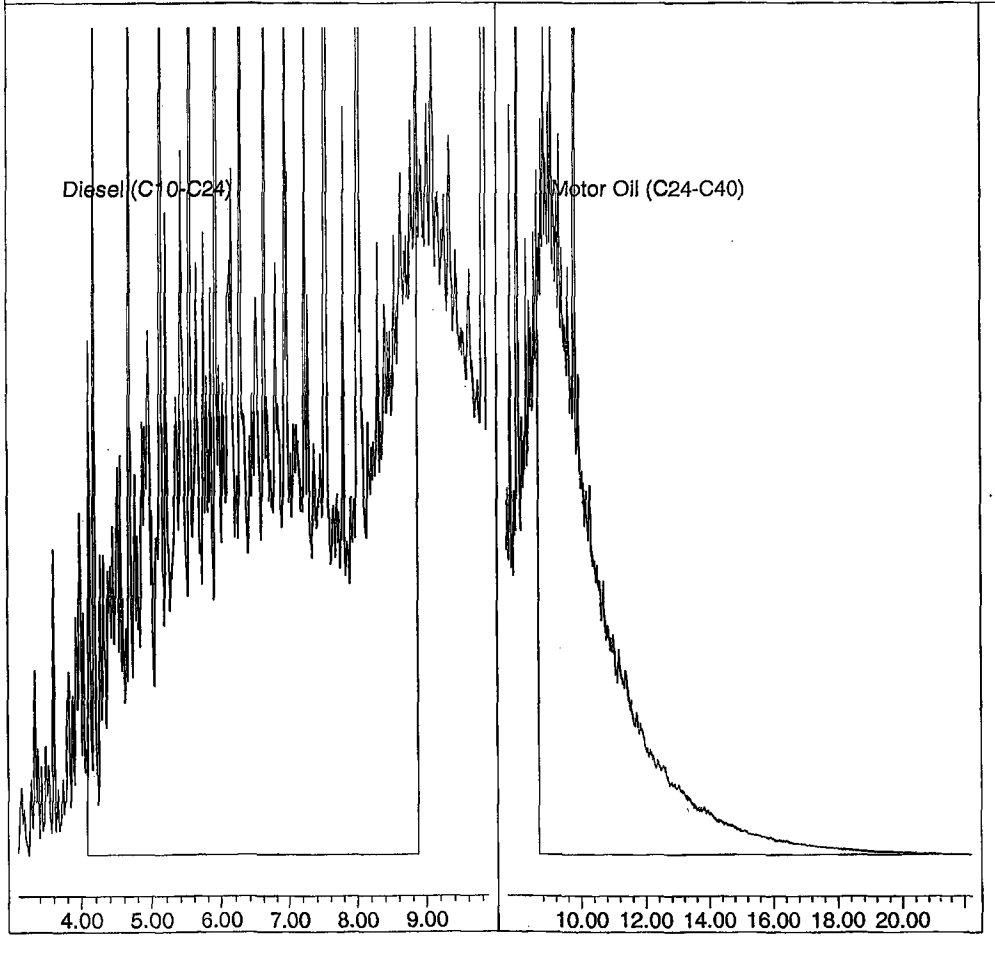
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 435798382 | 69.672 ppb |
| Surrogate Spike 30.000 | | Recovery = | 232.24% |
| 4) SA Octacosane(S) | 9.84 | 325688048 | 72.009 ppb |
| Surrogate Spike 30.000 | | Recovery = | 240.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 7163144090 | 1423.140 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 5028351305 | 1472.405 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

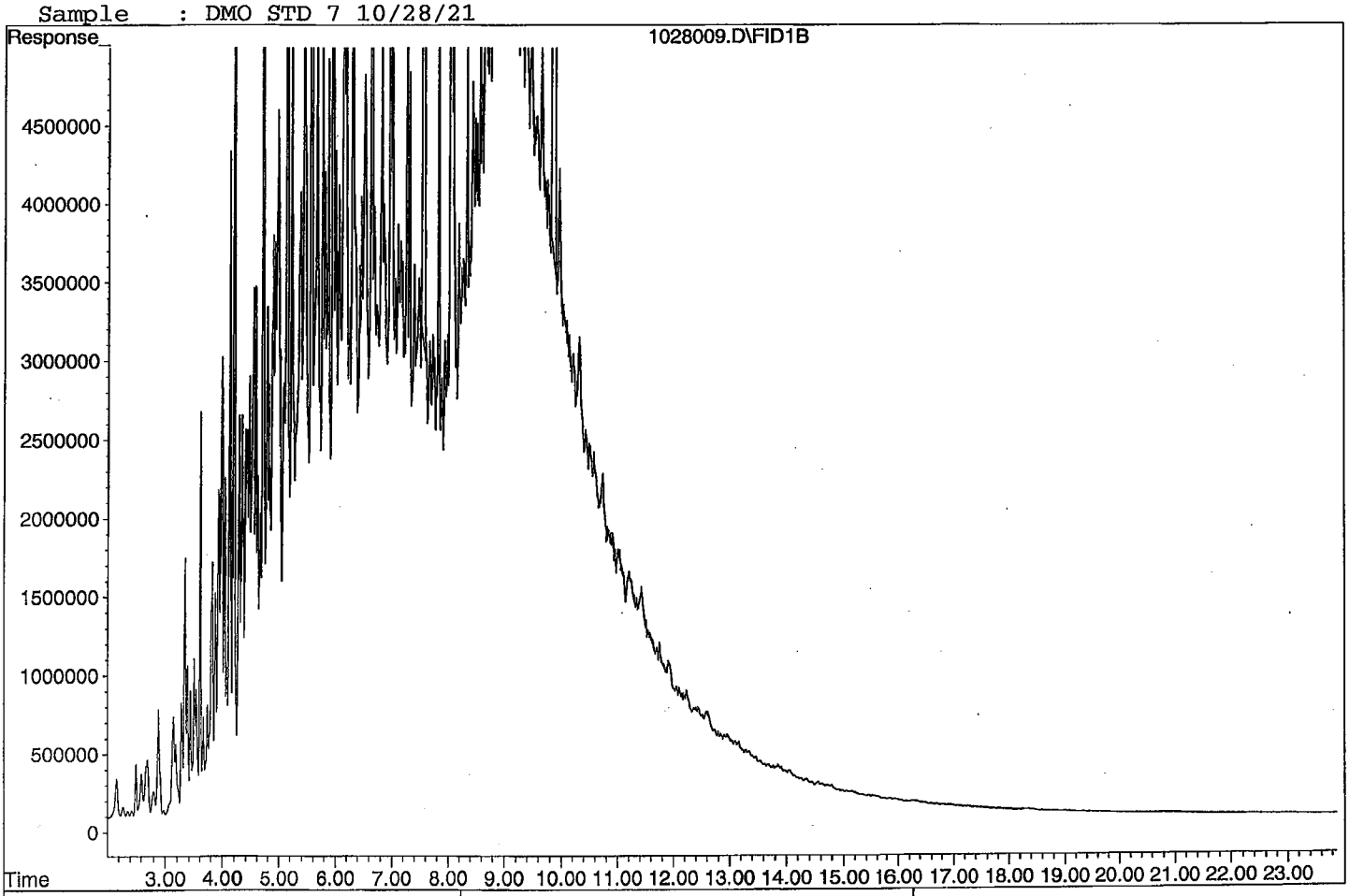
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

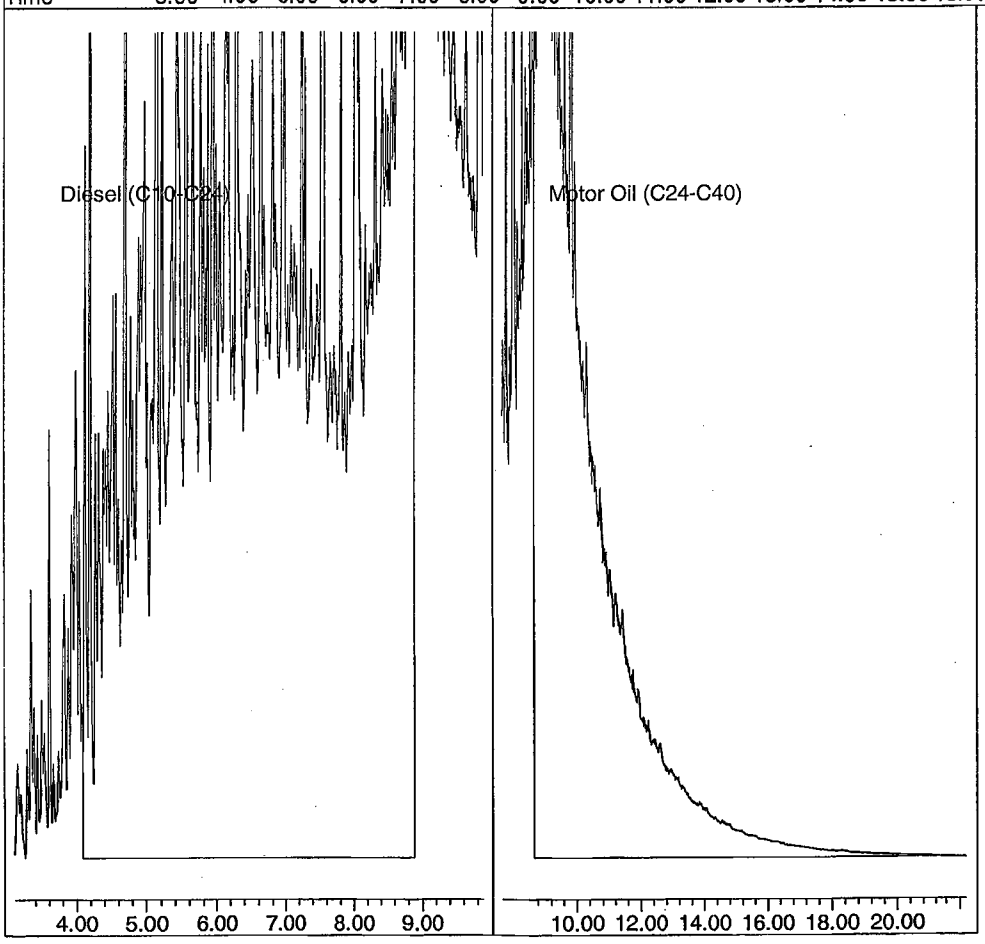
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 617758709 | 98.762 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 329.21% | |
| 4) SA Octacosane(S) | 9.85 | 457331573 | 101.116 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 337.05% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 10255165539 | 2037.448 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 6914631831 | 2028.526 | ppb |
| Target Compounds | | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21



TPH Extractables
DOC1028

Form 7

# Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2266400 | 9.9 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1663520 | 33 | HBTML | 5.9 |
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| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 21.5 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

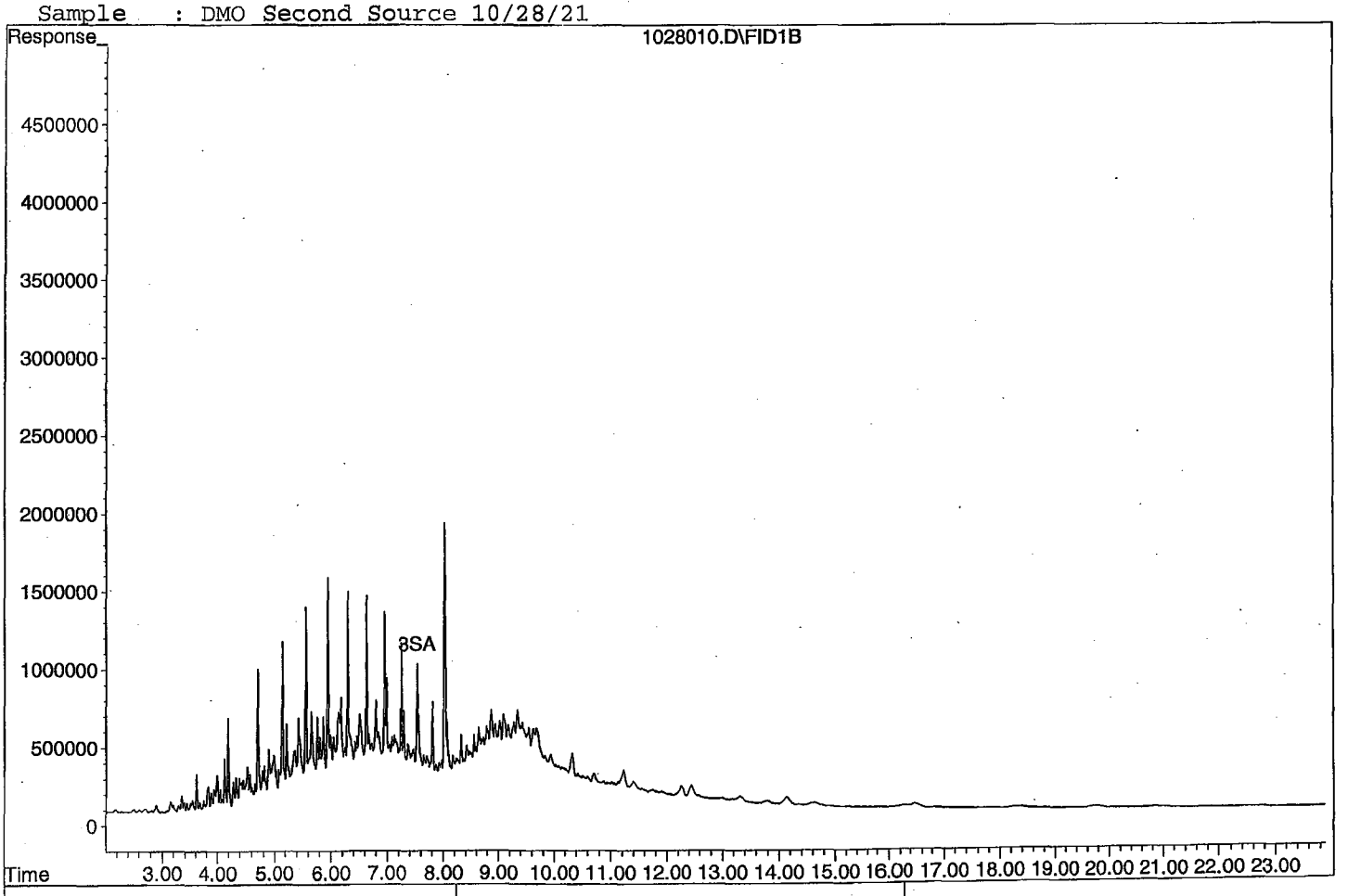
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

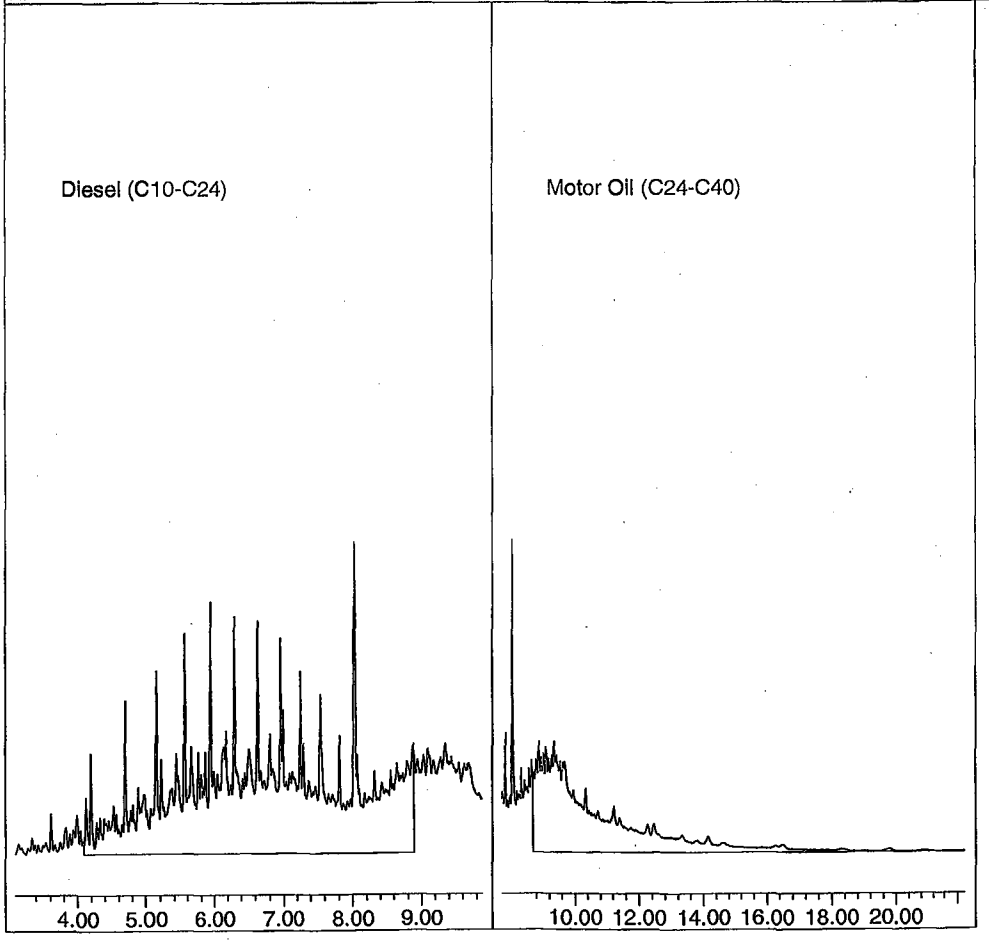
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

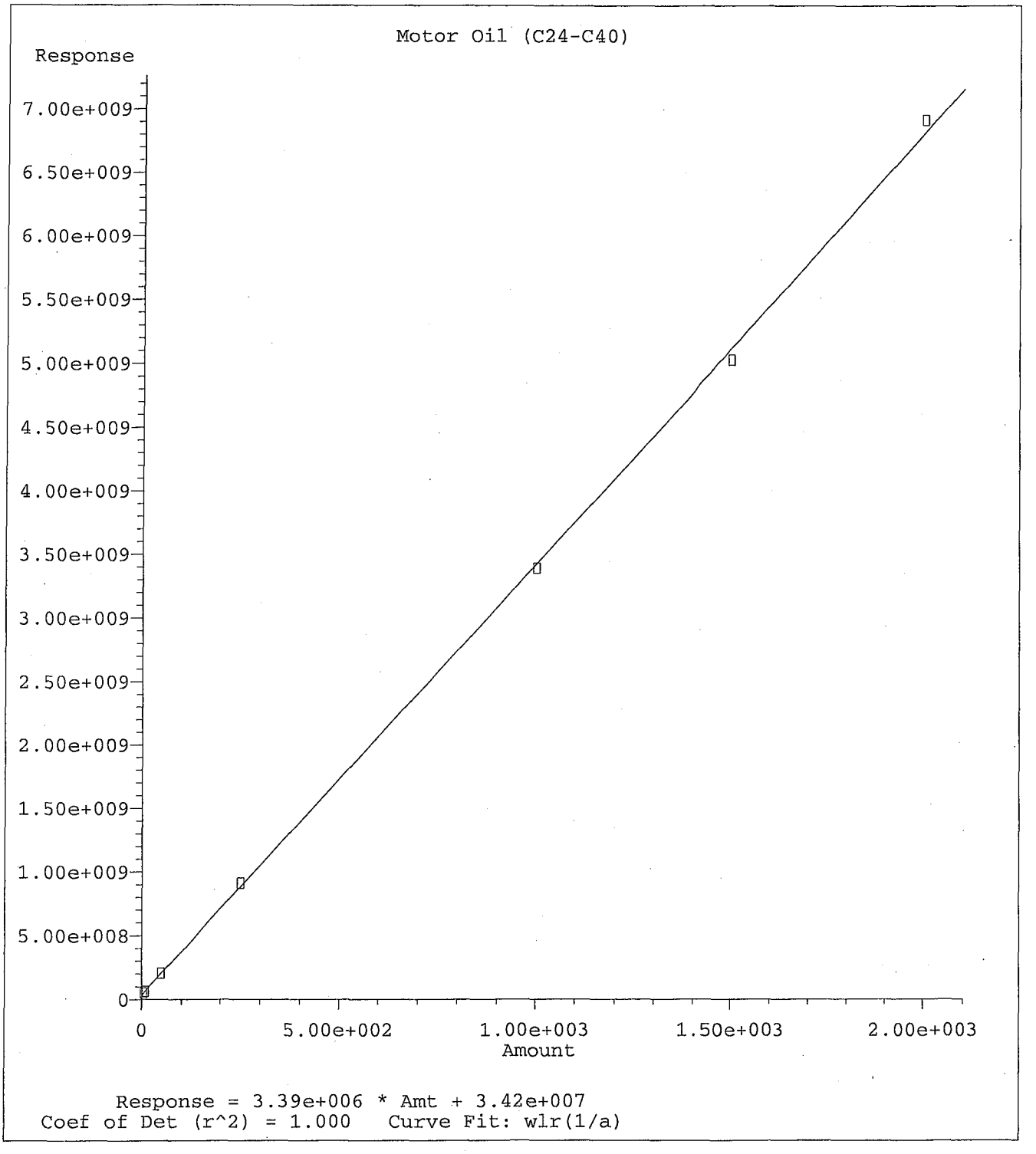
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 4250105 | 0.679 ppb |
| Surrogate Spike 30.000 | Recovery | = | 2.26% |
| 4) SA Octacosane(S) | 9.83 | -3553 | N.D. ppb |
| Surrogate Spike 30.000 | Recovery | = | 0.00% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1133202337 | 225.139 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 831758038 | 235.148 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21






Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DEC0911

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 9/11/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | | 911002.D | 911003.D | 911004.D | 911005.D | 911006.D | 911007.D | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | | | | | Avg | %RSD | Type | r^2 | Q |
| 1 | SC | Decanoic Acid(S) | 883995 | 1084261 | 1313446 | 1384667 | 1522107 | 1509937 | | | | | 1283069 | 20 | SC | | * |
| 2 | | | | | | | | | | | | | | | | | |
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| 35 | | | | | | | | | | | | | | | | | |

0.562142

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911002.D Vial: 2
Acq On : 9-11-21 10:22:53 Operator: KA
Sample : Decanoic Acid STD 1 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 13 9:30 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

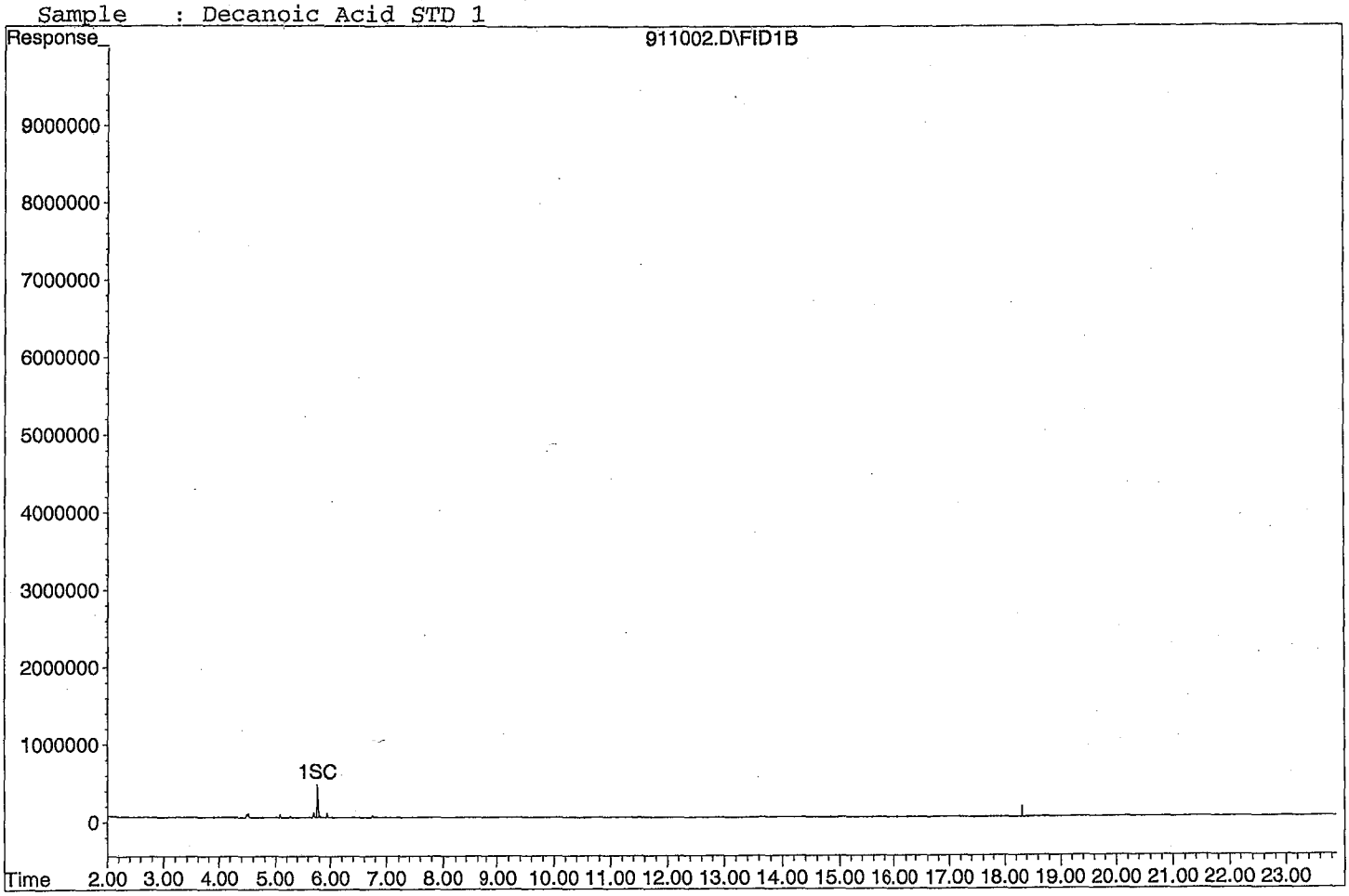
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.77 | 5303968 | 2.067 ppb |
| Surrogate Spike 24.000 | Recovery | = | 8.61% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911002.D
Sample : Decanoic Acid STD 1



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911003.D Vial: 3
Acq On : 9-11-21 10:51:11 Operator: KA
Sample : Decanoic Acid STD 2 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 23 17:12 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

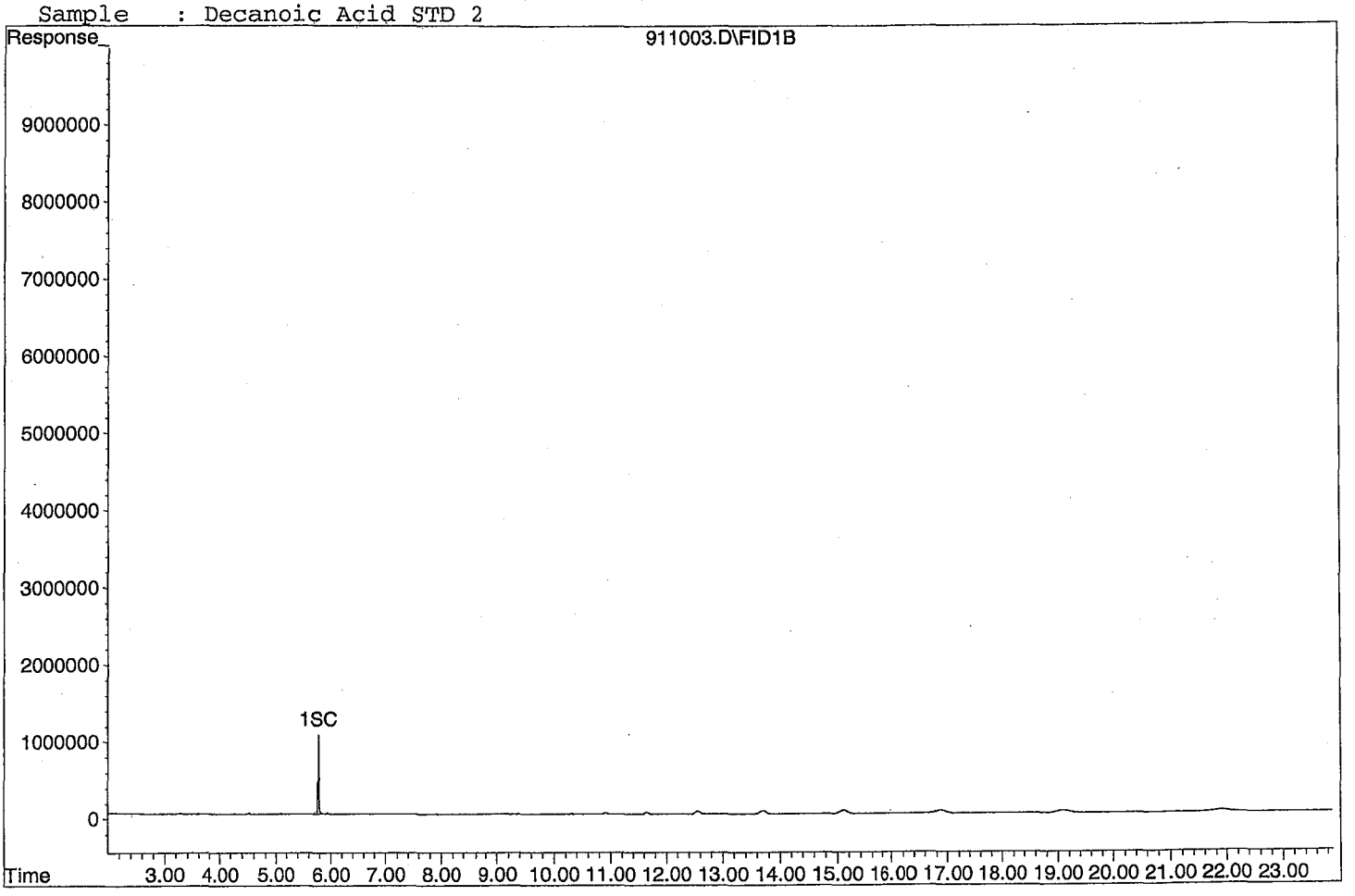
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.77 | 13011132 | 5.070 ppb |
| Surrogate Spike 24.000 | | Recovery = | 21.13% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911003.D
Sample : Decanoic Acid STD 2



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911004.D Vial: 4
Acq On : 9-11-21 11:19:39 Operator: KA
Sample : Decanoic Acid STD 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 23 17:12 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

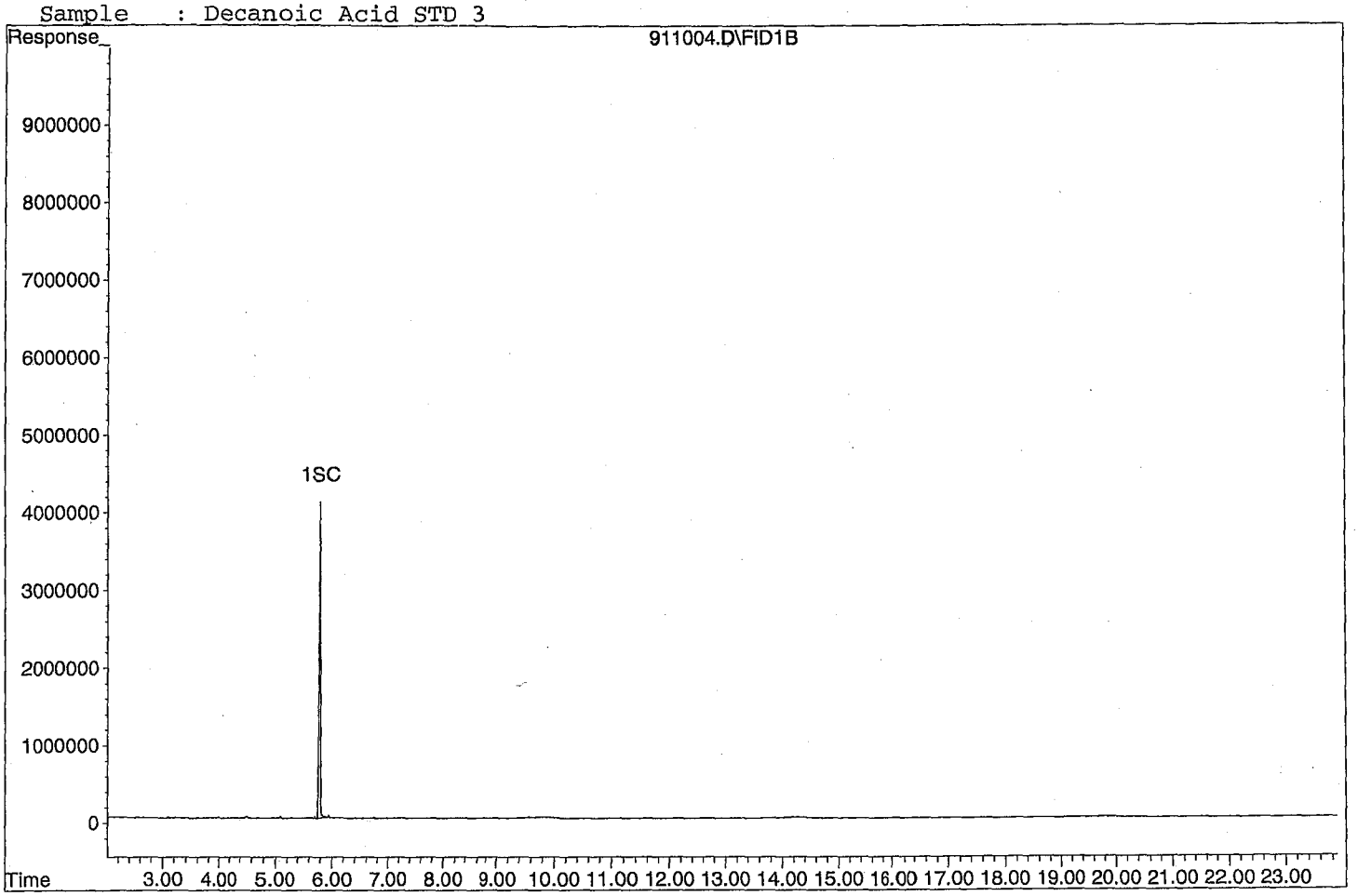
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.79 | 63045408 | 24.568 ppb |
| Surrogate Spike 24.000 | | Recovery = | 102.37% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911004.D
Sample : Decanoic Acid STD 3



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911005.D Vial: 5
Acq On : 9-11-21 11:48:04 Operator: KA
Sample : Decanoic Acid STD 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 23 17:12 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

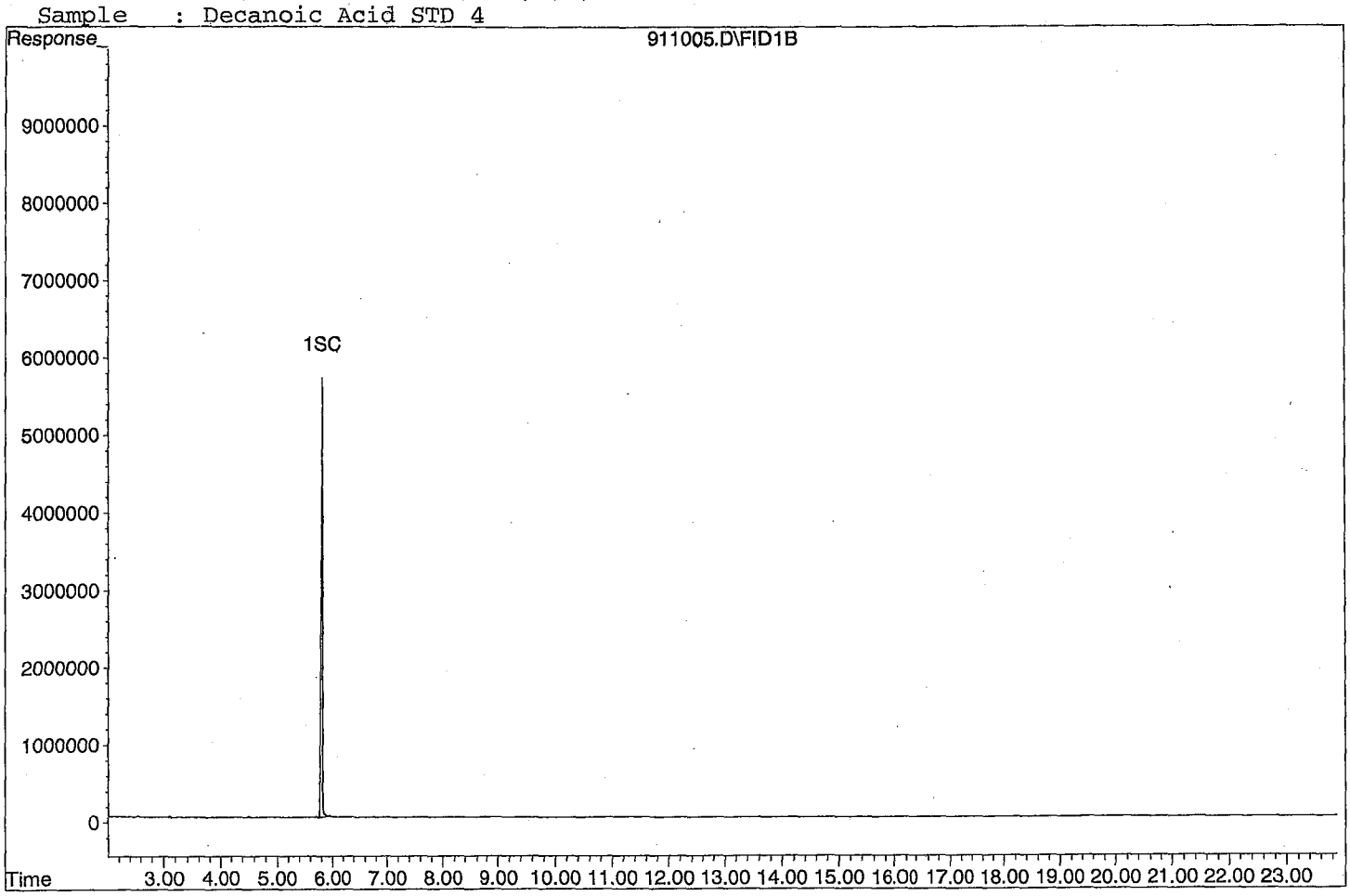
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.80 | 99696015 | 38.851 ppb |
| Surrogate Spike 24.000 | Recovery = | | 161.88% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911005.D
Sample : Decanoic Acid STD 4



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911006.D Vial: 6
Acq On : 9-11-21 12:16:37 Operator: KA
Sample : Decanoic Acid STD 5 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 23 17:12 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

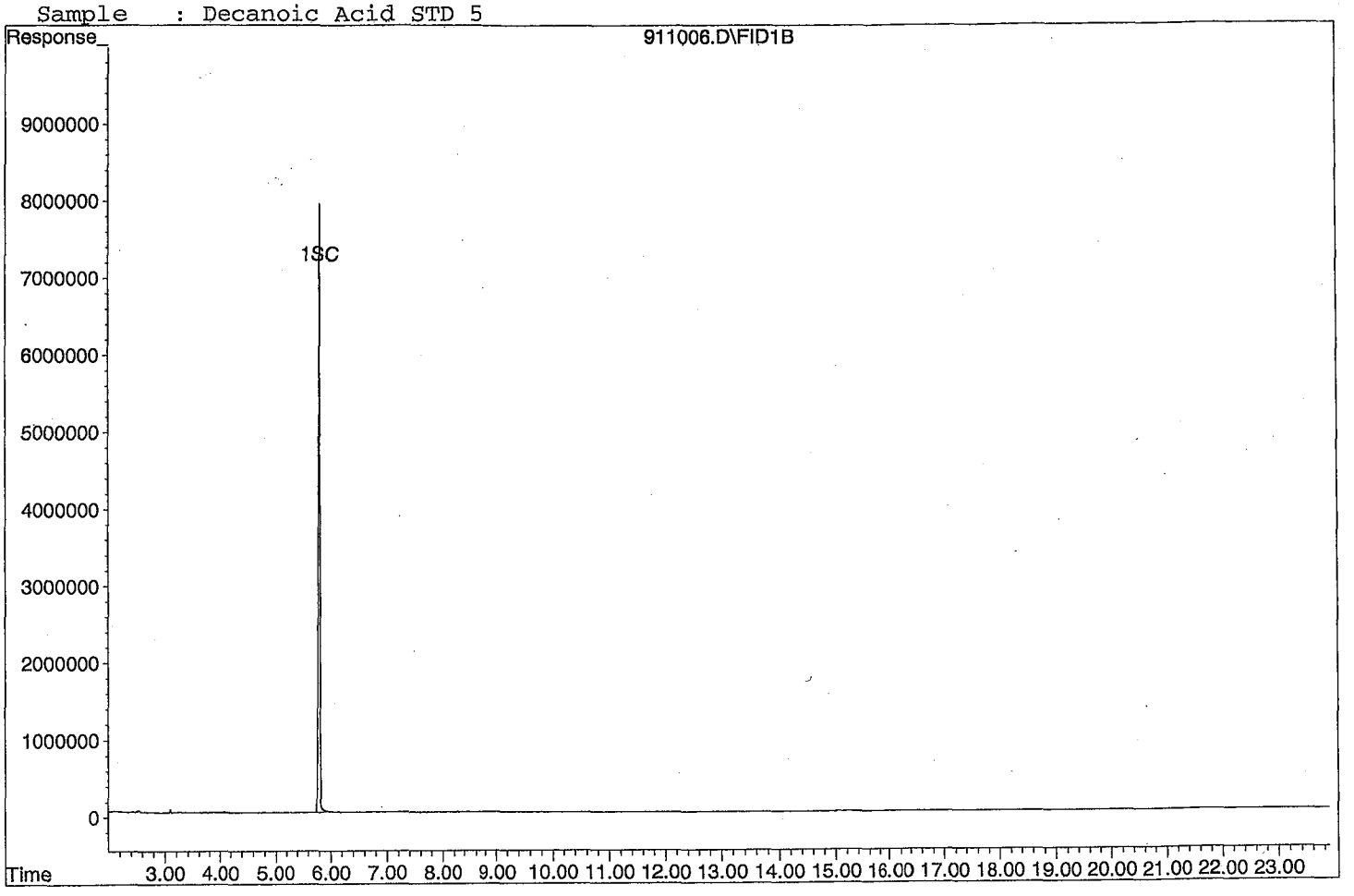
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.81 | 146122260 | 56.942 ppb |
| Surrogate Spike 24.000 | | Recovery = | 237.26% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911006.D
Sample : Decanoic Acid STD 5



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210911\911007.D Vial: 7
Acq On : 9-11-21 12:45:02 Operator: KA
Sample : Decanoic Acid STD 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 23 17:12 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

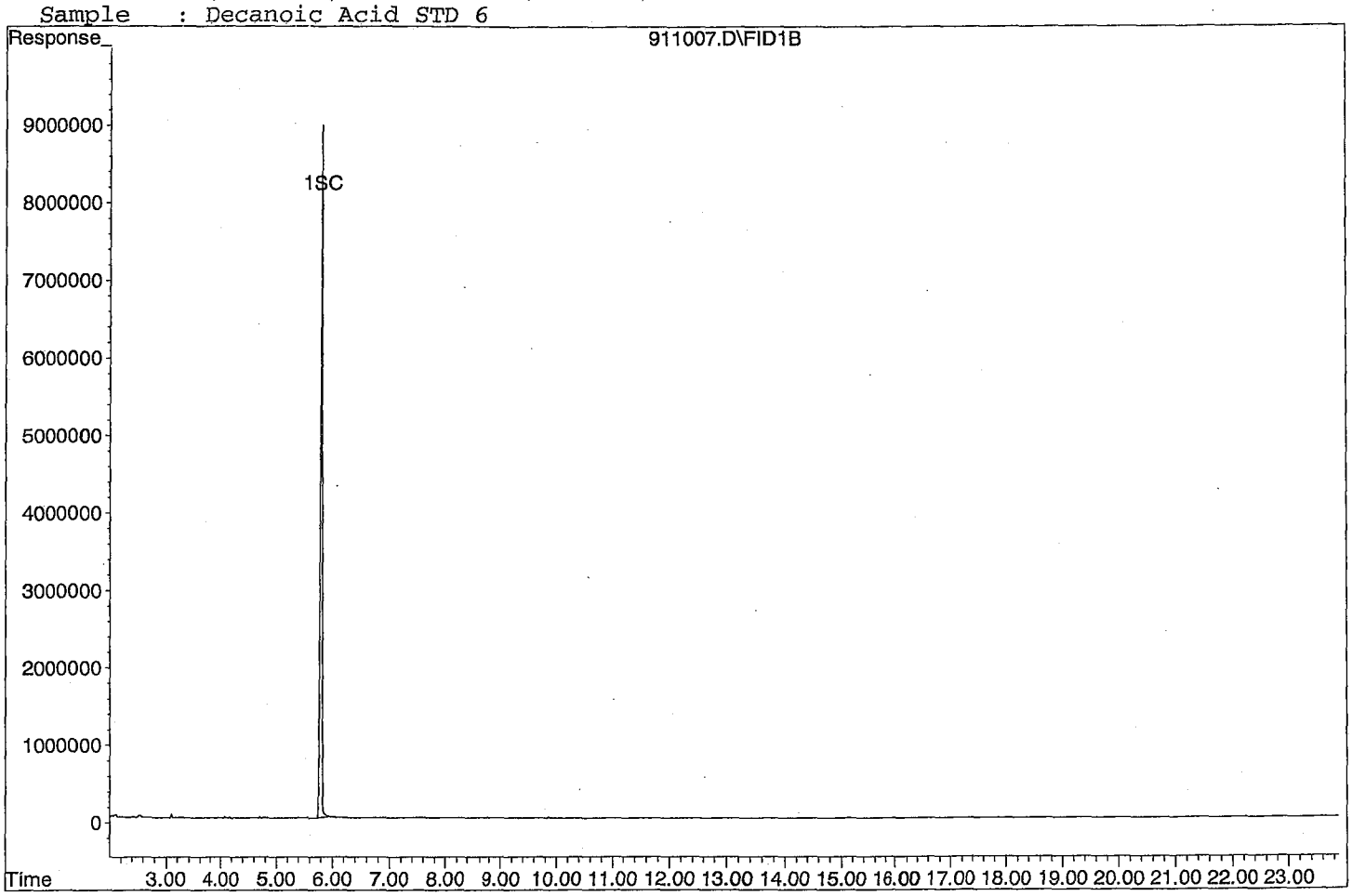
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.81 | 181192435 | 70.609 ppb |
| Surrogate Spike 24.000 | | Recovery = | 294.20% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210911\911007.D
Sample : Decanoic Acid STD 6



TPH Extractables
DOC1028

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/10/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1110003.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2403900 | 4.5 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1790550 | 28 | HBTML | 1.5 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 2949230 | 5.7 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 1963880 | 13 | SA | |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 12.8 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211110\1110003.D Vial: 3
Acq On : 11-10-21 11:19:04 Operator: KA
Sample : DMQ LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 10 16:11 2021 Quant Results File: DOC1028.RES

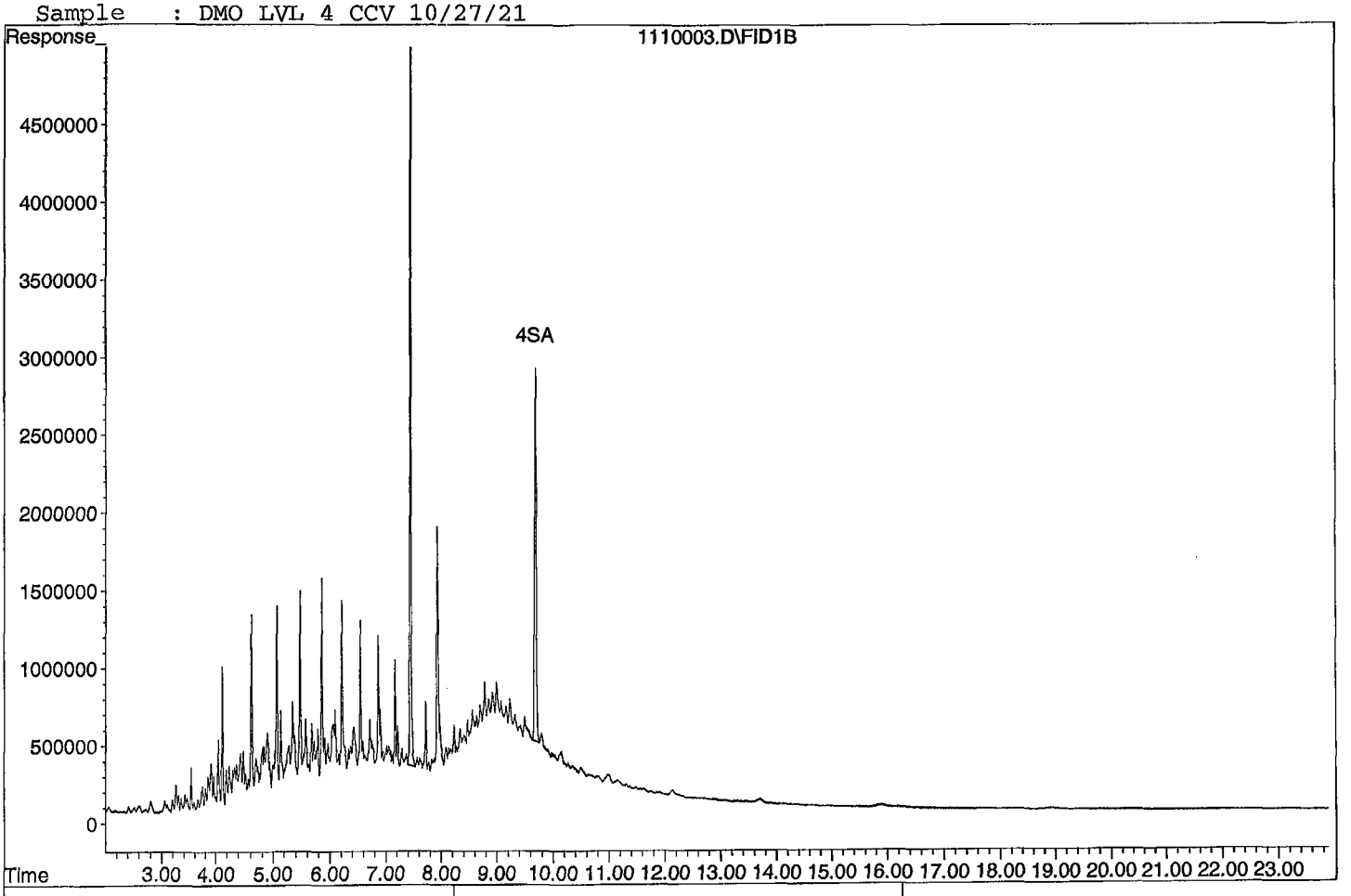
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

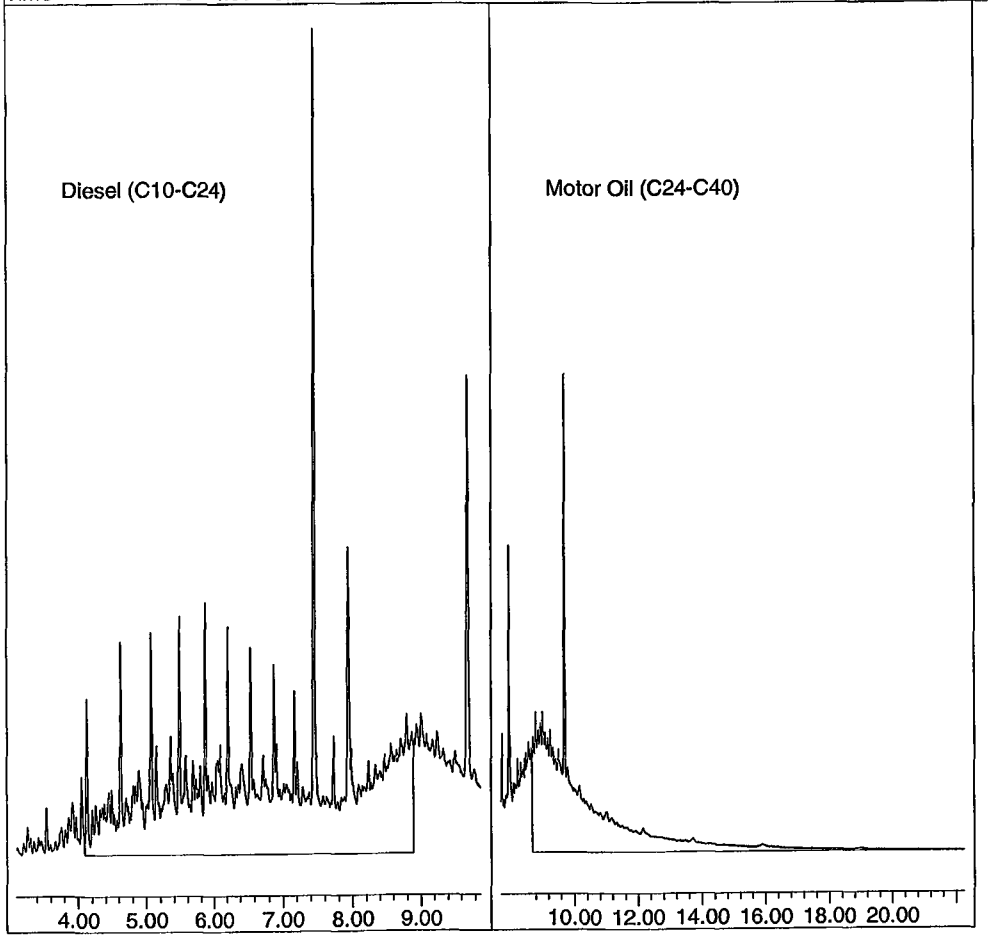
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 73730708 | 11.787 ppb |
| Surrogate Spike 30.000 | Recovery = | | 39.29% |
| 4) SA Octacosane(S) | 9.69 | 49097113 | 10.855 ppb |
| Surrogate Spike 30.000 | Recovery = | | 36.18% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1201951613 | 238.798 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 895276427 | 253.875 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211110\1110003.D
Sample : DMO LVL 4 CCV 10/27/21



TPH Extractables
DEC0911

Form 7
## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/10/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1110004.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | SC | Decanoic Acid(S) | 1283070 | 1260880 | 1.7 | SC | |
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| 40 | | | | | | | |
| | | Average | | | 1.7 | | |

Quantitation Report (Not Reviewed)

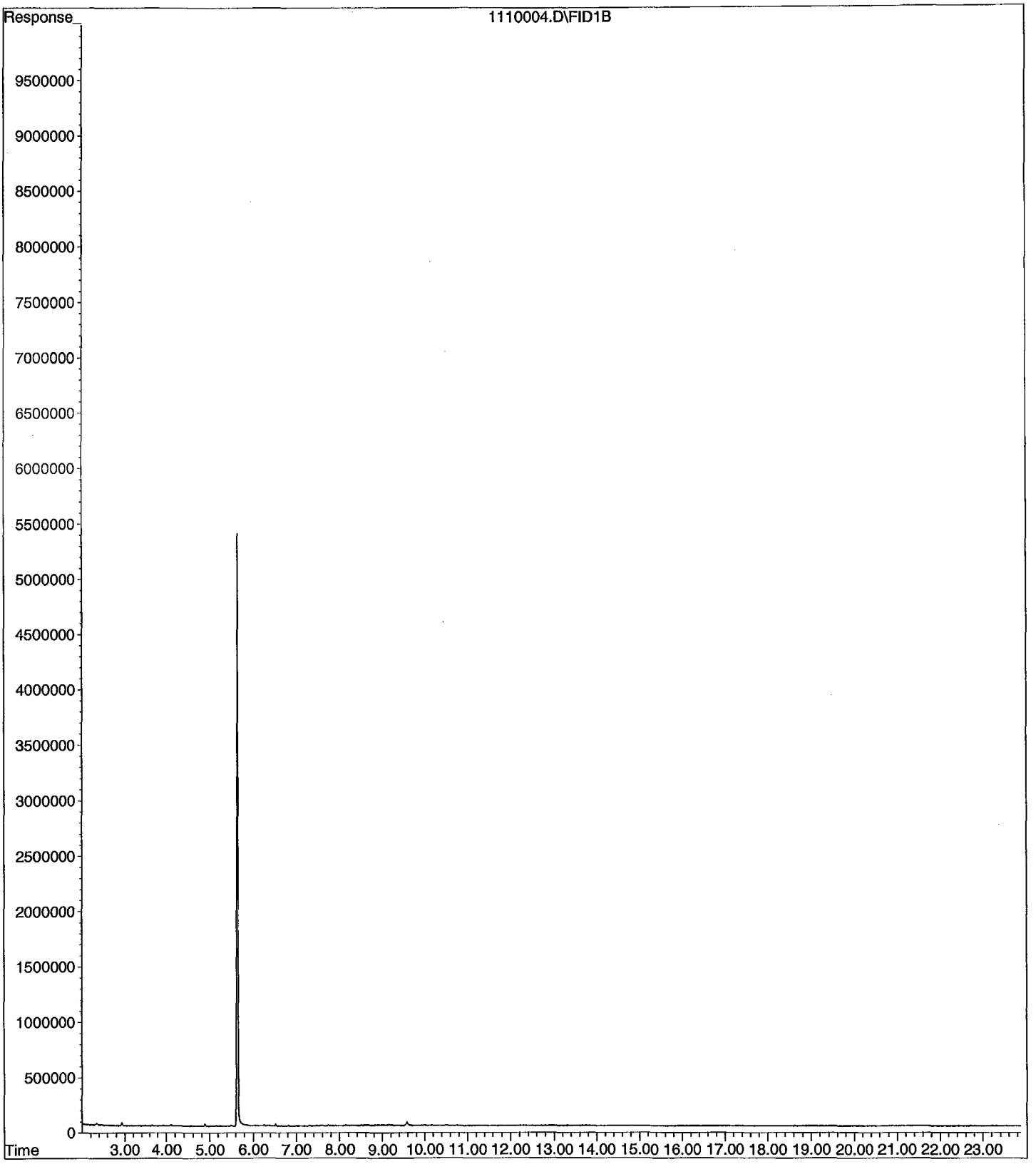
Data File : G:\APOLLO\DATA\211110\1110004.D Vial: 4
Acq On : 11-10-21 11:47:06 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 11 8:37 2021 Quant Results File: DEC0911.RES

Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.65 | 90783665 | 35.378 ppb |
| Surrogate Spike 24.000 | | Recovery = | 147.41% |
| Target Compounds | | | |
| Target Compounds | | | |

File : G:\APOLLO\DATA\211110\1110004.D
Operator : KA
Acquired : 11-10-21 11:47:06 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 4



TPH Extractables
DOC1028

Form 7

# Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/10/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1110018.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2350820 | 6.6 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1717840 | 31 | HBTML | 2.7 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 2917680 | 6.7 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 2118440 | 6.3 | SA | |
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| 40 | | | | | | | |
| | | Average | | | 12.7 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211110\1110018.D Vial: 18
Acq On : 11-10-21 18:20:23 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 11 8:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

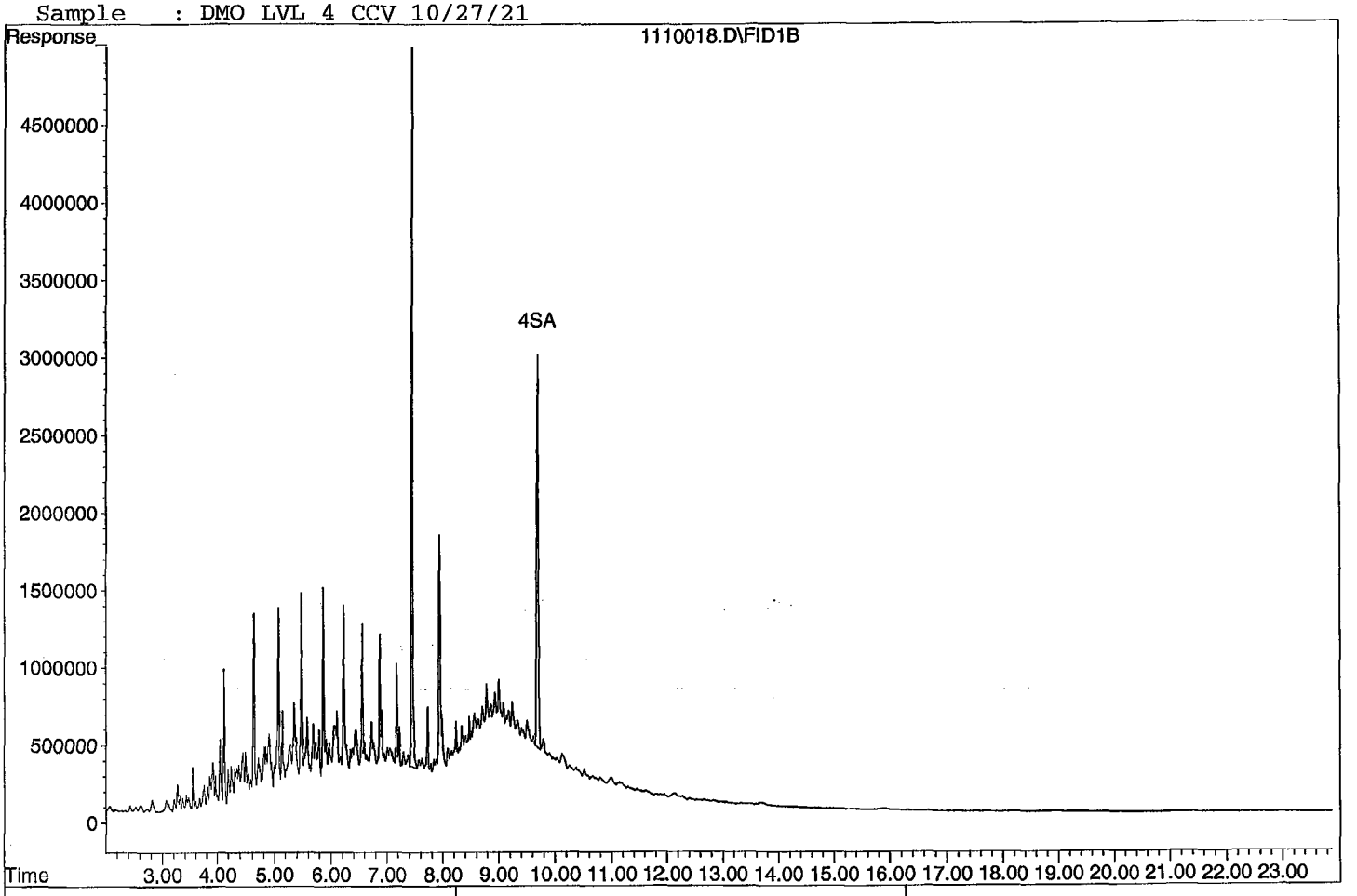
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

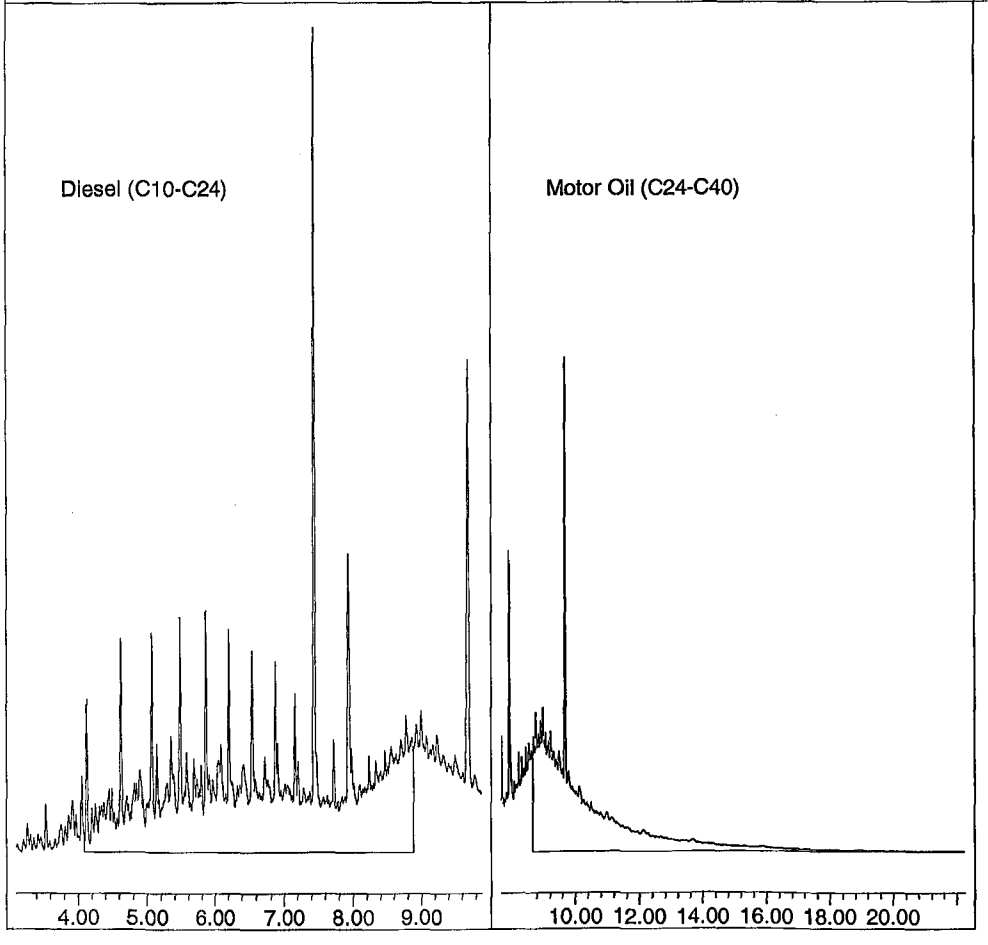
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 72942089 | 11.661 ppb |
| Surrogate Spike 30.000 | | Recovery = | 38.87% |
| 4) SA Octacosane(S) | 9.69 | 52961118 | 11.710 ppb |
| Surrogate Spike 30.000 | | Recovery = | 39.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1175410238 | 233.525 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 858918994 | 243.156 ppb |

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211110\1110018.D
Sample : DMO LVL 4 CCV 10/27/21



TPH Extractables
DEC0911

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/10/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 1110019.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | SC | Decanoic Acid(S) | 1283070 | 1234300 | 3.8 | SC | |
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| 40 | | | | | | | |
| | | Average | | | 3.8 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211110\1110019.D Vial: 19
Acq On : 11-10-21 18:48:25 Operator: KA
Sample : Decanoic Acid CCV 11/05/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 11 8:38 2021 Quant Results File: DEC0911.RES

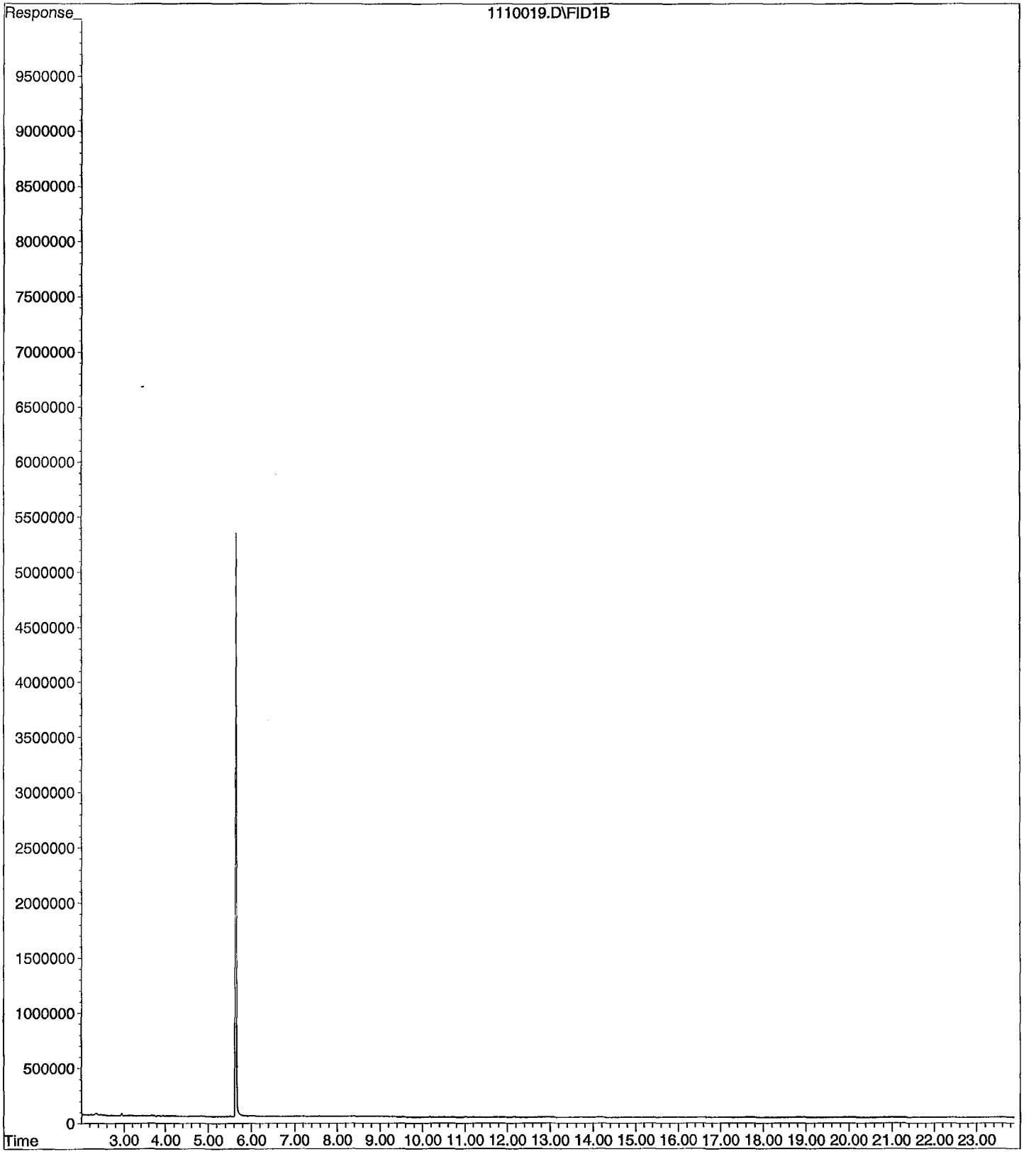
Method : G:\APOLLO\DATA\210911\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 05 10:50:06 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.65 | 88869385 | 34.632 ppb |
| Surrogate Spike 24.000 | | Recovery = | 144.30% |
| Target Compounds | | | |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

File : G:\APOLLO\DATA\211110\1110019.D
Operator : KA
Acquired : 11-10-21 18:48:25 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 11/05/21
Misc Info : water
Vial Number: 19



# ORGANICS
## Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211110\1110012.D Vial: 12
Acq On : 11-10-21 15:31:44 Operator: KA
Sample : BA44376W09 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Nov 12 17:57 2021 Quant Results File: DOC1028.RES

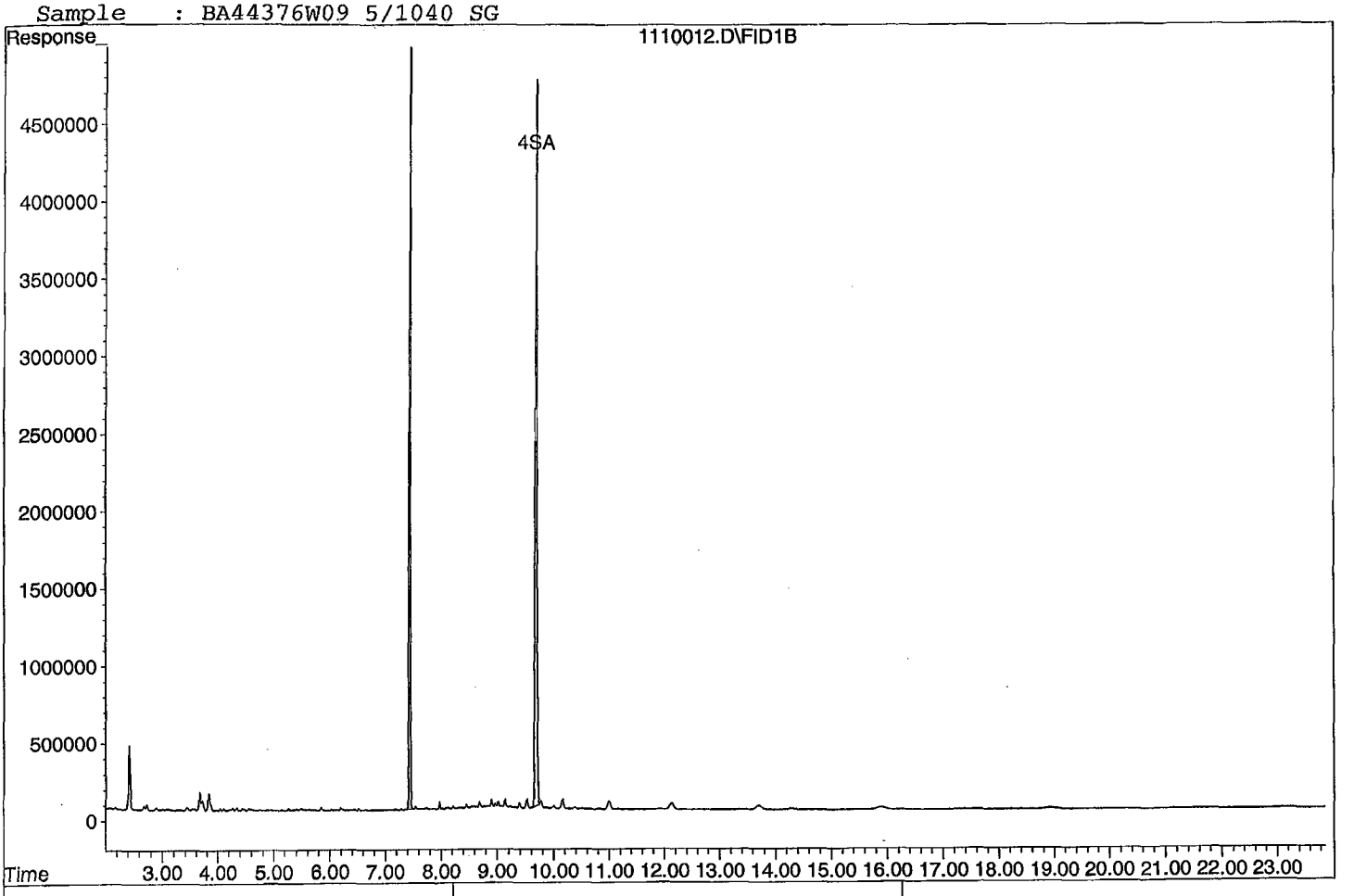
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

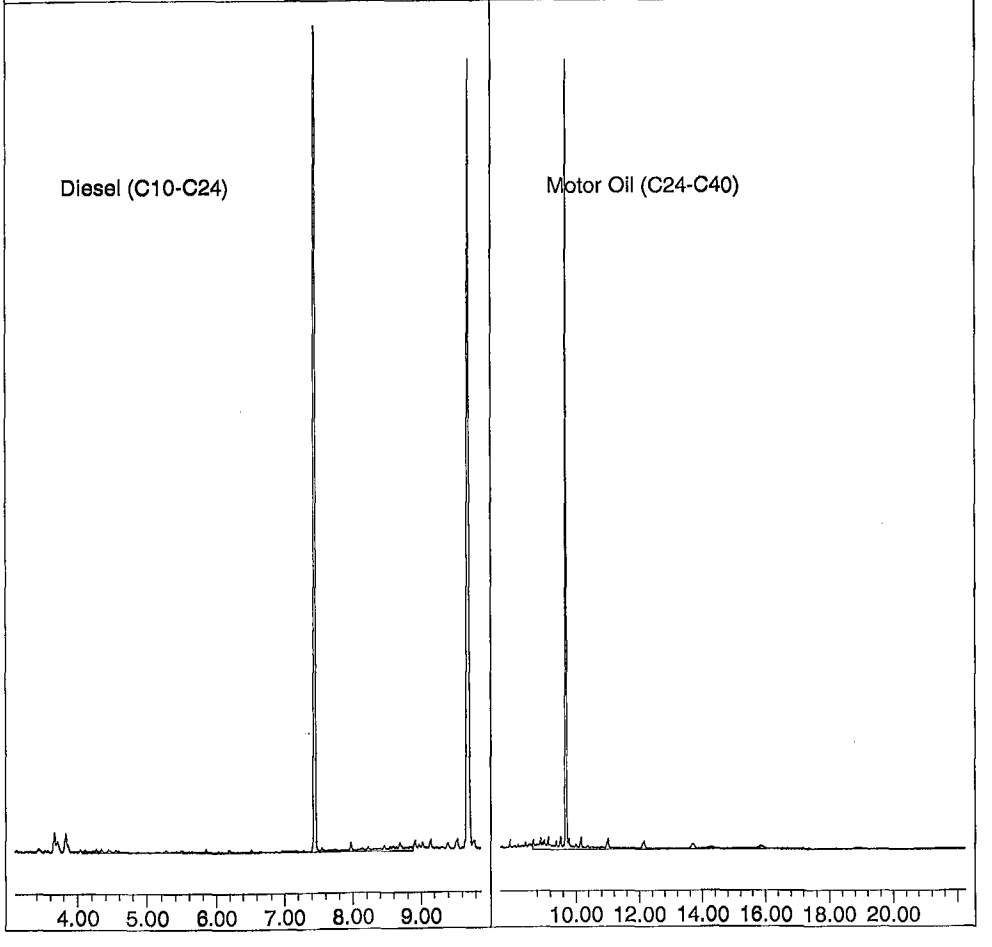
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 110833158 | 85.188 ppb |
| Surrogate Spike 144.231 | | Recovery = | 59.06% |
| 4) SA Octacosane(S) | 9.69 | 98621329 | 104.832 ppb |
| Surrogate Spike 144.231 | | Recovery = | 72.68% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 24582352 | 23.480 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 72338706 | 54.099 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211110\1110012.D
Sample : BA44376W09 5/1040 SG



Quantitation Report (QT Reviewed)

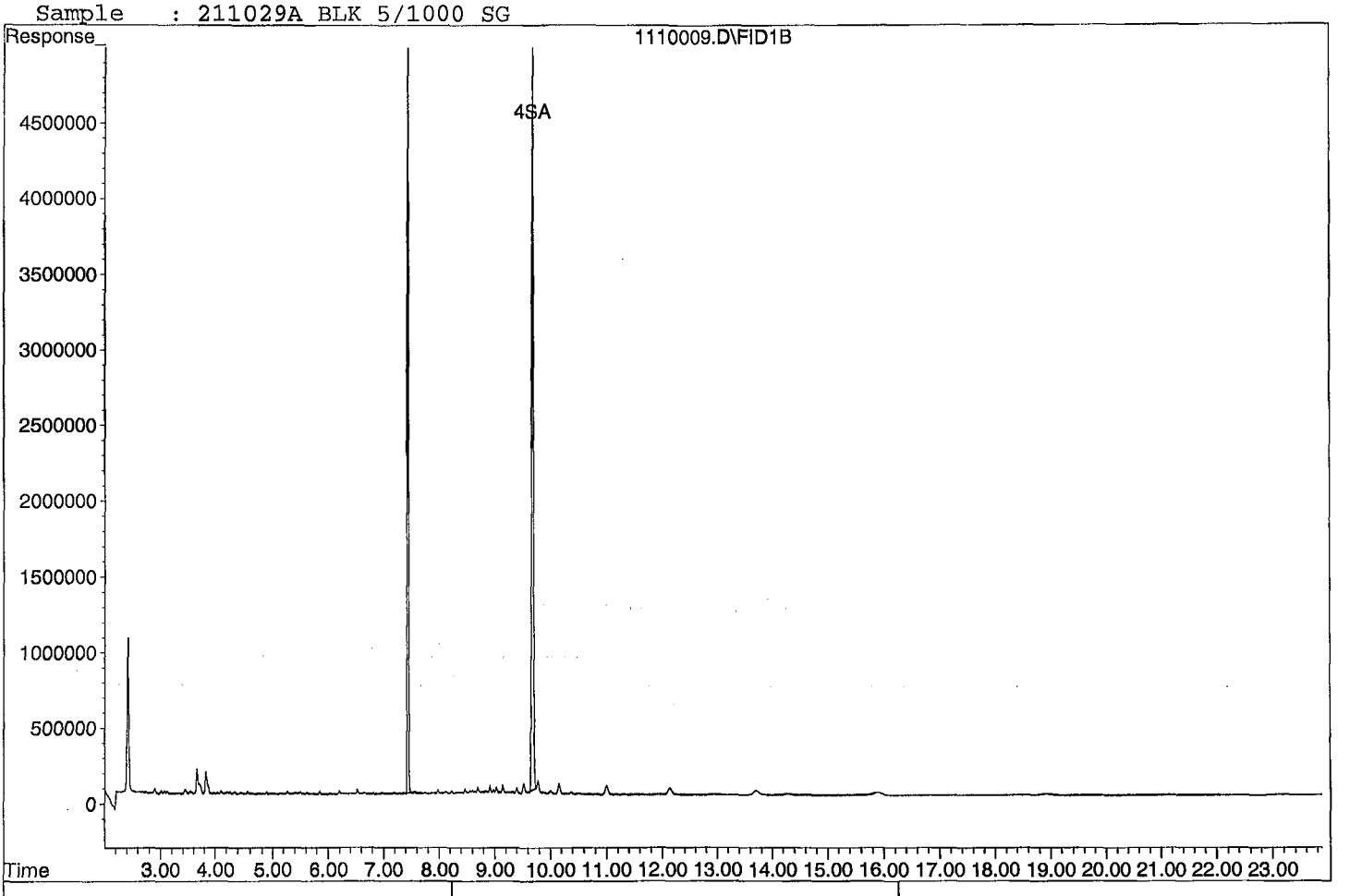
Data File : G:\APOLLO\DATA\211110\1110009.D Vial: 9
Acq On : 11-10-21 14:07:25 Operator: KA
Sample : 211029A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:55 2021 Quant Results File: DOC1028.RES

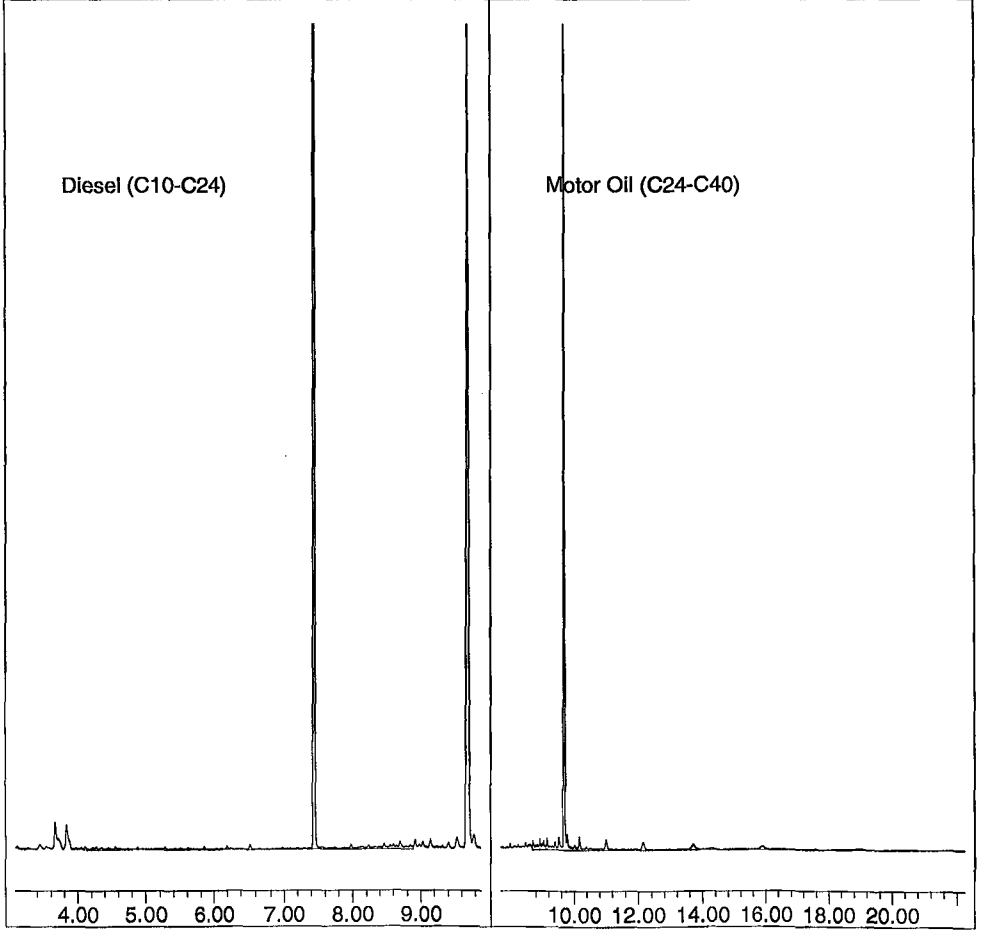
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 113792296 | 90.961 ppb |
| Surrogate Spike 150.000 | | Recovery = | 60.64% |
| 4) SA Octacosane(S) | 9.69 | 98705400 | 109.118 ppb |
| Surrogate Spike 150.000 | | Recovery = | 72.75% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 23662652 | 23.506 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 66866528 | 48.197 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\211110\1110009.D
Sample : 211029A BLK 5/1000 SG



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211110\1110010.D Vial: 10
Acq On : 11-10-21 14:35:32 Operator: KA
Sample : 211029A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:56 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

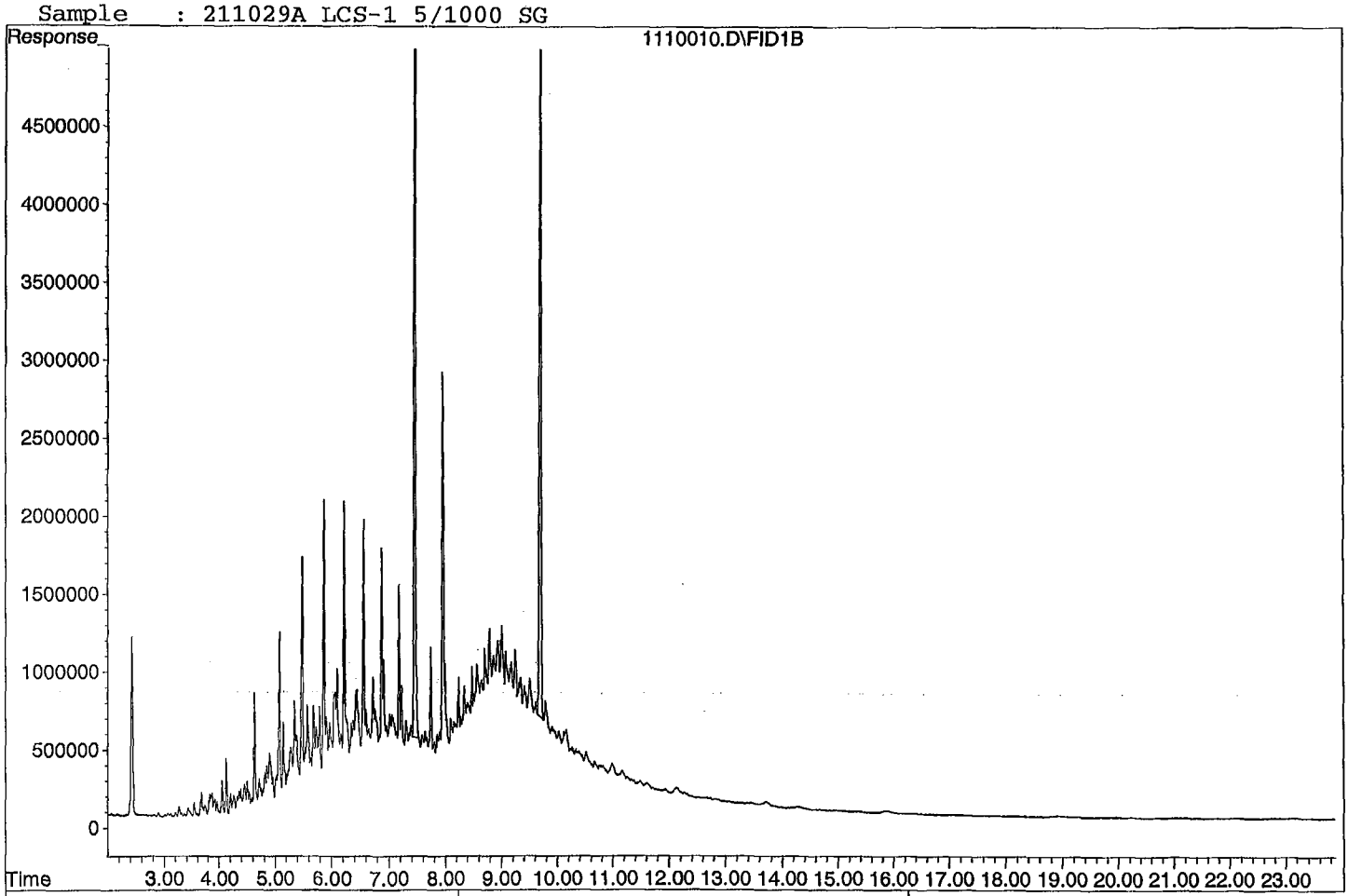
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

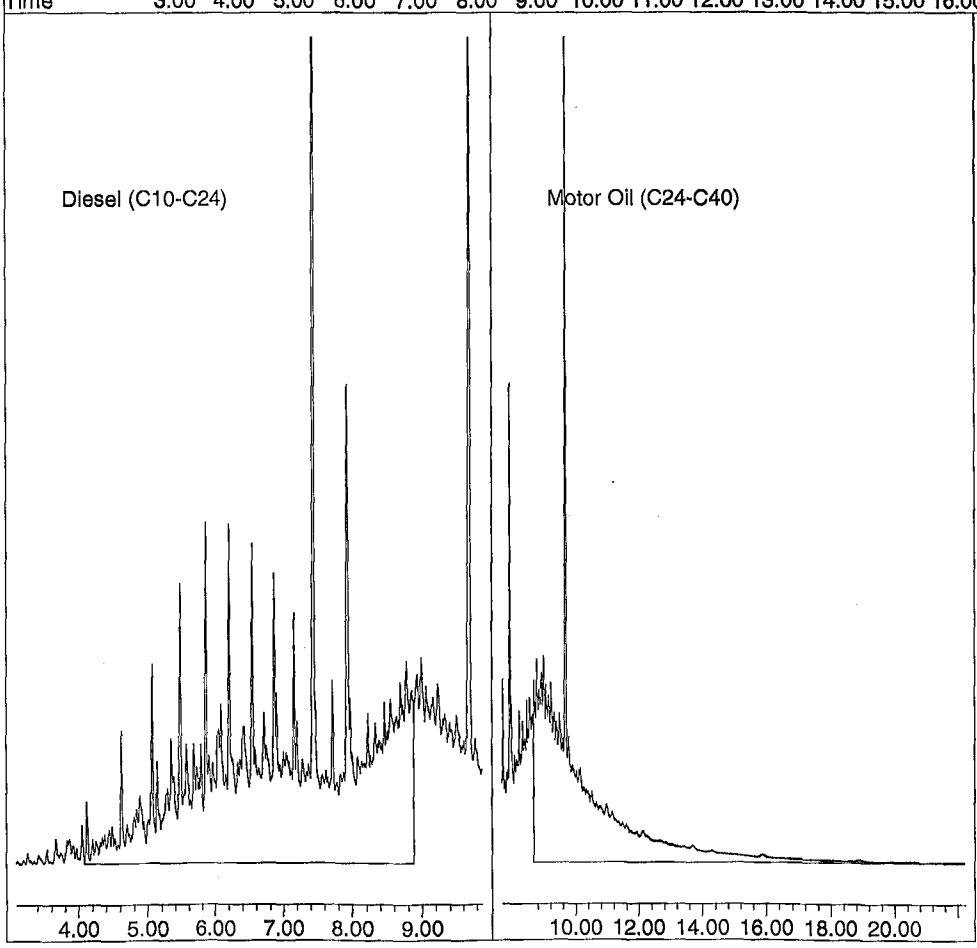
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 127594179 | 101.994 ppb |
| Surrogate Spike 150.000 | | Recovery = | 68.00% |
| 4) SA Octacosane(S) | 9.69 | 97737917 | 108.049 ppb |
| Surrogate Spike 150.000 | | Recovery = | 72.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1592795199 | 1582.245 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 1260131157 | 1807.213 ppb |
| Target Compounds | | | |

Diesel:

$$\frac{(1592795199)(5)}{(2516669)(2)} = \frac{7963975995}{5033338} = 1582.245$$

Data File: G:\APOLLO\DATA\211110\1110010.D
Sample : 211029A LCS-1 5/1000 SG



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211110\1110011.D Vial: 11
Acq On : 11-10-21 15:03:37 Operator: KA
Sample : 211029A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 12 17:56 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Nov 12 17:55:30 2021
Response via : Multiple Level Calibration

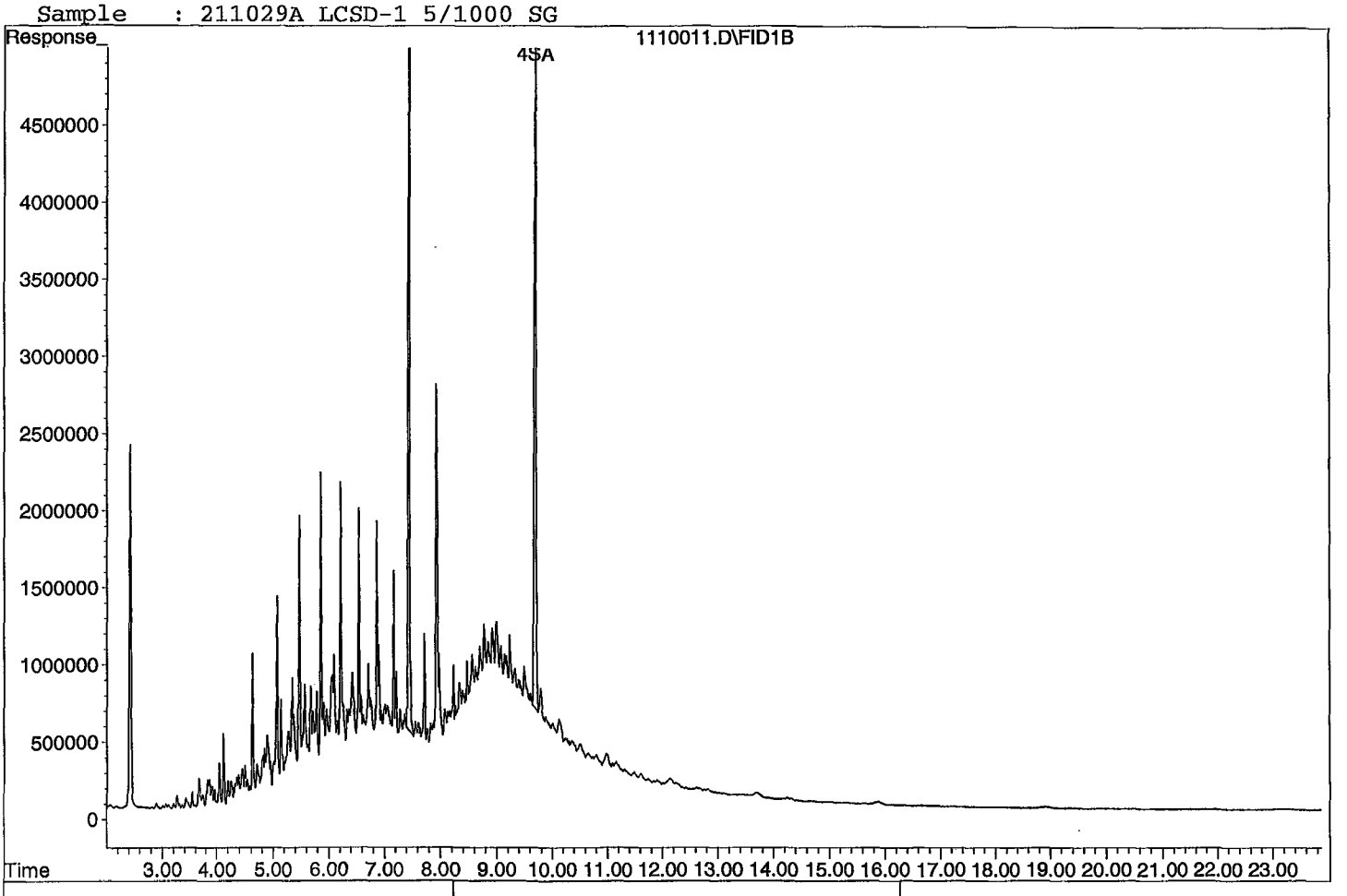
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

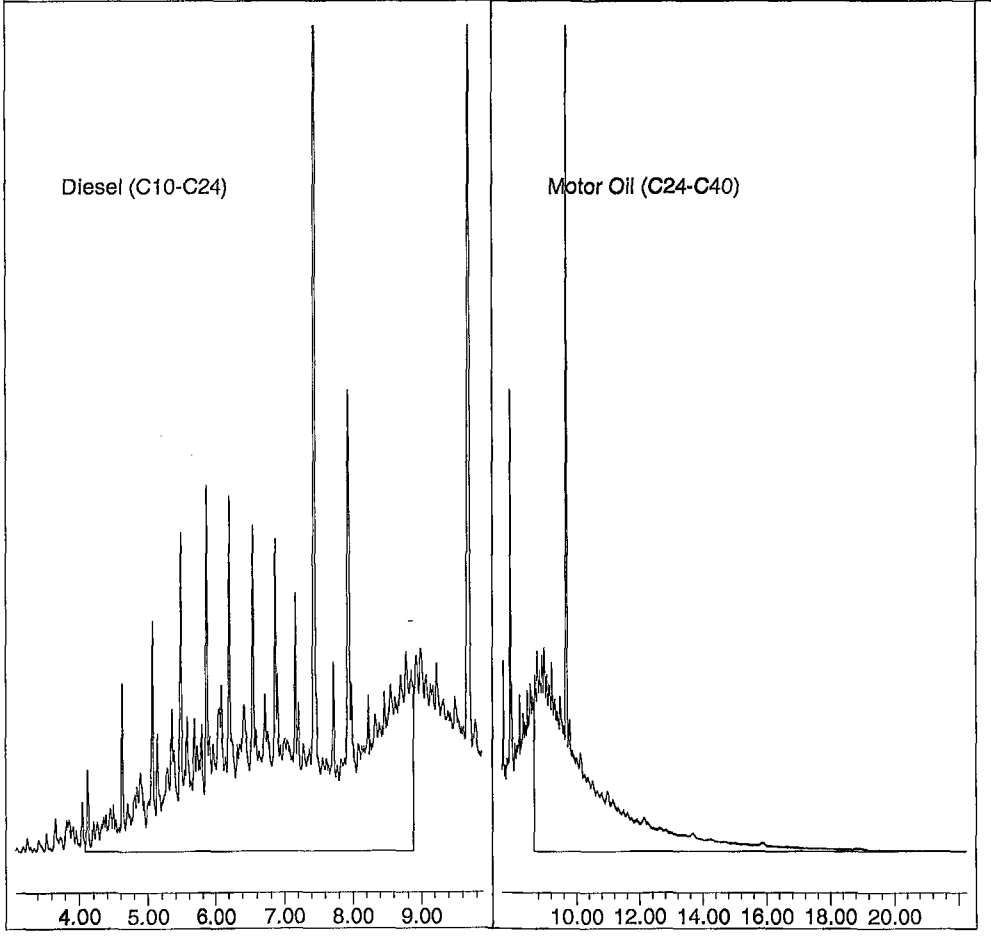
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.44 | 131584845 | 105.184 ppb |
| Surrogate Spike 150.000 | | Recovery = | 70.12% |
| 4) SA Octacosane(S) | 9.69 | 98981365 | 109.424 ppb |
| Surrogate Spike 150.000 | | Recovery = | 72.95% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1691342242 | 1680.140 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 1300971111 | 1867.416 ppb |

Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211110\1110011.D
Sample : 211029A LCSD-1 5/1000 SG



## Diesel / Motor Oil Calibration Curve

**Prepared: 10/28/2021**
**Expires: 5/31/2026**
**Methylene Chloride Lot No. 61117**

**Prepared By (Initials): KA**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Conc. (ug/mL) | APPL Mix Name | Reference to APPL Prep Date and Lot #'s | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel / Motor Oil - 2 | APPL | 10 | Diesel / Motor Oil - 1 | Perp'd: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835 | **See man. Exp date** | **10/31/2027 12/31/2027 5/31/2026** | 100uL | 200uL | MC | 5 |
| Diesel / Motor Oil - 3 | | 50 | Diesel / Motor Oil - 2 | | | | 200uL | 1mL | MC | 10 |
| Diesel / Motor Oil Calibration STD | Restek | 2,000 | Diesel / Motor Oil - 3 | | | | 25uL | 1mL | MC | 50 |
| | | | Diesel / Motor Oil - 4 | | | | 125uL | 1mL | MC | 250 |
| | | | Diesel / Motor Oil - 5 | | | | 500uL | 1mL | MC | 1000 |
| | | | Diesel / Motor Oil - 6 | | | | 750uL | 1mL | MC | 1500 |
| | | | Diesel / Motor Oil - 7 | | | | 100uL | 100uL | N/A | 2,000 |

## Diesel / Motor Oil Second Source

**Prepared: 10/28/2021**
**Expires: 10/28/2024**
**Prepared By (Initials): KA**
**Methylene Chloride Lot No. 61117**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel Fuel #2 Second Source | Phenova | AL0-101287 | 50,000 | **CL16477-52980** | **See man. Exp date** | **2/28/2027** | 50uL | 10mL | MC | 250 |
| Motor Oil Second Source | Absolute | 51094 | 50,000 | **102819-52981** | | **10/28/2024** | 50uL | | | |

## Diesel Motor Oil Mix

**Prepared: 10/16/2021** **Prepared By (Initials): KA**

**Expires: 10/31/2027**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel Fuel #2 | Restek | 31258 | 50,000 | **A0164485-52663 and 52822** | **See man. Date** | **10/31/2027** | 4.00 mL (1.4) | 8.0 mL (2.8) | NA | 25,000 |
| Motor Oil Composite | Restek | 31464 | 50,000 | **A0166510-52817 and 52819** | **See man. Date** | **12/31/2027** | 4.00 mL (1.4) | | | 25,000 |

**THC Surrogate**

**Prepared: 10/29/2021** **LS**

**Expires: 5/31/2026**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| O-terphenyl / Octacosane Mix | Phenova | ALO-130161 | 600 | **CL16893-52841** | **See ma. Date** | **5/31/2026** | N/A | N/A | N/A | 600 |

## Decanoic Acid Calibration Curve

**Prepared:** 9/11/2021 **Prepared By (Initials):** KA

**Expires:** 7/12/2022

**Methylene Chloride Lot No.** 61117

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Decanoic Acid STD | O2SI | Decanoic Acid-1 | 60 | Prepared 9/11/21 | 7/12/2022 | N/A | 50uL | 1mL | MC | 3 |
| | | Decanoic Acid-2 | | | | | 100uL | 1mL | MC | 6 |
| | | Decanoic Acid-3 | | | | | 400uL | 1mL | MC | 24 |
| | | Decanoic Acid-4 | | | | | 600uL | 1mL | MC | 36 |
| | | Decanoic Acid-5 | | | | | 800uL | 1mL | MC | 48 |
| | | Decanoic Acid-6 | | | | | 100uL | 100uL | N/A | 60 |

## Decanoic Acid CCV

**Prepared:** 11/5/2021
**Expires:** 7/8/2024
**Methylene Chloride Lot No.** 61117

**Prepared By (Initials):** KA

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Decanoic Acid | O2SI | 72766 | 1,000 | **070821-52989** | See man. Exp date | **7/8/2024** | 360uL | 10mL | MC | 36 |

## Decanoic Acid Spike

**Prepared:** 11/1/2021 **Prepared By (Initials):** KA

**Expires:** 7/8/2024

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Decanoic Acid Spike | Absolute | 72766 | 1,000 | **070821-52988** | **See man. Exp date** | **7/8/2024** | N/A | N/A | N/A | 1,000 |

_LIQ005SGC

# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH- 3520C w/SGC | Extraction Set | 211029A | Extraction Method | LIQ005SGC | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | Diesel Motor Oil Mix 10-16-21 10-16-22 | | Surrogate ID 1 | THC Surrogate 10-29-21 10-29-22 | |
| Spiked ID 2 | Decanoic 1000ug/mL Acid Solution 11-1-21 11-1-22 | | Surrogate ID 2 | | |
| Spiked ID 3 | Decanoic 1000ug/mL Acid Solution 10-21-21 10-21-22 | | Surrogate ID 3 | | |
| Spiked ID 4 | | | Surrogate ID 4 | | |
| Spiked ID 5 | | | Surrogate ID 5 | | |
| Spiked ID 6 | | | Sufficient Vol for Matrix QC: | NO | |
| Spiked ID 7 | | | Ext. Start Time: | 10/29/21 15:29 | |
| Spiked ID 8 | | | Ext. End Time: | 11/02/21 14:38 | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 2 | 10/29/21 13:30 | Water Bath Temp 1 °C | 42/41.1 °C |
| pH2 | | | Water Bath Temp 2 °C | 36/37.1 |
| pH3 | | | Water Bath Temp 3 °C | 36/35.5 °C |

**Spiked By:** SR **Date** 10/29/2021 **Witnessed By:** KY **Date** 10/29/2021

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211029A Blk | | 0.050 | 2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP3 E-WB1 | | | | |
| 2 | 211029A LCS-1 | | .080,.050 | 1,2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP4 E-WB2 | | | | |
| 3 | 211029A LCSD-1 | | .080,.050 | 1,2 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | * |
| | | | | | | equip | E-HP6 E-WB3 | | | | |
| 4 | BA44376 | BA44376W09 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97985 * |
| | | | | | | equip | E-HP7 E-WB1 | | | | |
| 5 | BA44379 | BA44379W10 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97984 * |
| | | | | | | equip | E-HP8 E-WB2 | | | | |
| 6 | BA44380 | BA44380W08 | 0.050 | 2 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 97984 * |
| | | | | | | equip | E-HP9 E-WB3 | | | | |
| 7 | BA44459 | BA44459W09 | 0.050 | 3 | 0.250 | 1 | 1030 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP10 E-WB1 | | | | |
| 8 | BA44461 | BA44461W09 | 0.050 | 3 | 0.250 | 1 | 980 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP11 E-WB2 | | | | |
| 9 | BA44463 | BA44463W09 | 0.050 | 3 | 0.250 | 1 | 1000 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP12 E-WB3 | | | | |
| 10 | BA44465 | BA44465W09 | 0.050 | 3 | 0.250 | 1 | 1040 | 5 | 2 | 10/29/21 13:35 | 98005 * |
| | | | | | | equip | E-HP13 E-WB1 | | | | |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 60358 |
| PH Strips | HC155968 |
| Dichloromethane (DCM) | 61117 |
| Filter Paper | 400196 |
| Sodium Sulfate | 2021071206 |
| SILICA GEL (*) | 050627t |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | KY |
| GC analyst's initials | KA |
| Date | 11/2/21 |
| Time | 17:37 |
| Refrigerator | Hobart |

| | Technician's Initials |
|---|---|
| Scanned By | SR |
| Sample Preparation | SR |
| Extraction | SR |
| Concentration | SR |

| Modified | 11/3/2021 8:31:30 AM |
|---|---|

**Reviewed By:** KY **Date** 11/3/2021

# Injection Log

Directory: G:\APOLLO\DATA\210911\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 2 | 911002.D | 1 | Decanoic Acid STD 1 | water | 9-11-21 10:22:53 |
| 2 | 3 | 911003.D | 1 | Decanoic Acid STD 2 | water | 9-11-21 10:51:11 |
| 3 | 4 | 911004.D | 1 | Decanoic Acid STD 3 | water | 9-11-21 11:19:39 |
| 4 | 5 | 911005.D | 1 | Decanoic Acid STD 4 | water | 9-11-21 11:48:04 |
| 5 | 6 | 911006.D | 1 | Decanoic Acid STD 5 | water | 9-11-21 12:16:37 |
| 6 | 7 | 911007.D | 1 | Decanoic Acid STD 6 | water | 9-11-21 12:45:02 |
| 7 | 3 | 1028003.D | 1 | DMO STD 1 10/28/21 | water | 10-28-21 9:19:03 |
| 8 | 4 | 1028004.D | 1 | DMO STD 2 10/28/21 | water | 10-28-21 9:47:06 |
| 9 | 5 | 1028005.D | 1 | DMO STD 3 10/28/21 | water | 10-28-21 10:15:13 |
| 10 | 6 | 1028006.D | 1 | DMO STD 4 10/28/21 | water | 10-28-21 10:43:31 |
| 11 | 7 | 1028007.D | 1 | DMO STD 5 10/28/21 | water | 10-28-21 11:11:42 |
| 12 | 8 | 1028008.D | 1 | DMO STD 6 10/28/21 | water | 10-28-21 11:39:55 |
| 13 | 9 | 1028009.D | 1 | DMO STD 7 10/28/21 | water | 10-28-21 12:08:10 |
| 14 | 10 | 1028010.D | 1 | DMO Second Source 10/28/21 | water | 10-28-21 12:36:26 |
| 15 | 3 | 1110003.D | 1 | DMO LVL 4 CCV 10/27/21 | water | 11-10-21 11:19:04 |
| 16 | 4 | 1110004.D | 1 | Decanoic Acid CCV 11/05/21 | water | 11-10-21 11:47:06 |
| 17 | 9 | 1110009.D | 5 | 211029A BLK 5/1000 SG | water | 11-10-21 14:07:25 |
| 18 | 10 | 1110010.D | 5 | 211029A LCS-1 5/1000 SG | water | 11-10-21 14:35:32 |
| 19 | 11 | 1110011.D | 5 | 211029A LCSD-1 5/1000 SG | water | 11-10-21 15:03:37 |
| 20 | 12 | 1110012.D | 4.80769 | BA44376W09 5/1040 SG | water | 11-10-21 15:31:44 |
| 21 | 18 | 1110018.D | 1 | DMO LVL 4 CCV 10/27/21 | water | 11-10-21 18:20:23 |
| 22 | 19 | 1110019.D | 1 | Decanoic Acid CCV 11/05/21 | water | 11-10-21 18:48:25 |

# ORGANICS
# Calibration Data

TPH Extractables
DOC1028

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/28/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | | 1028003.D | 1028004.D | 1028005.D | 1028006.D | 1028007.D | 1028008.D | 1028009.D | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q |
| 1 | HATM | Diesel (C10-C24) | 2983809 | 2406563 | 2517872 | 2418941 | 2337993 | 2387715 | 2563791 | | | | 2516669 | 8.7 | HATM | | |
| 2 | HBTML | Motor Oil (C24-C40) | 5192328 | 3260715 | 2065863 | 1824592 | 1695984 | 1676117 | 1728658 | | | | 2492037 | 53 | HBTM | 1.000 | |
| 3 | SA | Ortho-Terphenyl(S) | 3637234 | 3178668 | 3119876 | 3035678 | 2926966 | 2905323 | 3088794 | | | | 3127505 | 7.9 | SA | | |
| 4 | SA | Octacosane(S) | 2469203 | 2170507 | 2286410 | 2275552 | 2170413 | 2171254 | 2286658 | | | | 2261428 | 4.8 | SA | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | |
| 13 | | | | | | | | | | | | | | | | | |
| 14 | | | | | | | | | | | | | | | | | |
| 15 | | | | | | | | | | | | | | | | | |
| 16 | | | | | | | | | | | | | | | | | |
| 17 | | | | | | | | | | | | | | | | | |
| 18 | | | | | | | | | | | | | | | | | |
| 19 | | | | | | | | | | | | | | | | | |
| 20 | | | | | | | | | | | | | | | | | |
| 21 | | | | | | | | | | | | | | | | | |
| 22 | | | | | | | | | | | | | | | | | |
| 23 | | | | | | | | | | | | | | | | | |
| 24 | | | | | | | | | | | | | | | | | |
| 25 | | | | | | | | | | | | | | | | | |
| 26 | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | |

2.118919

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028003.D Vial: 3
Acq On : 10-28-21 9:19:03 Operator: KA
Sample : DMO STD 1 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

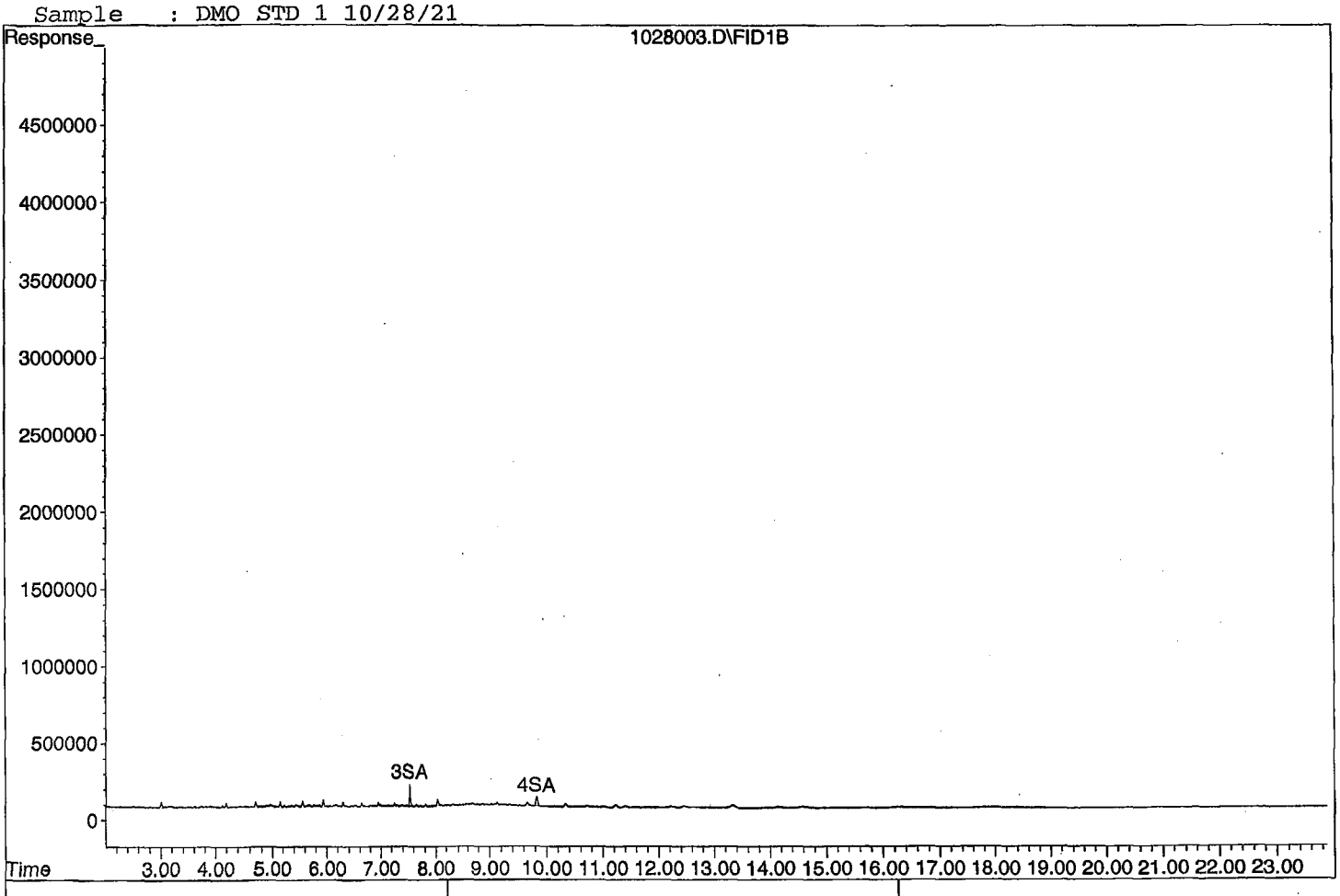
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 1818617 | 0.291 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.97% |
| 4) SA Octacosane(S) | 9.82 | 1234601 | 0.273 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.91% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 29838086 | 5.928 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 51923283 | 5.234 ppb |

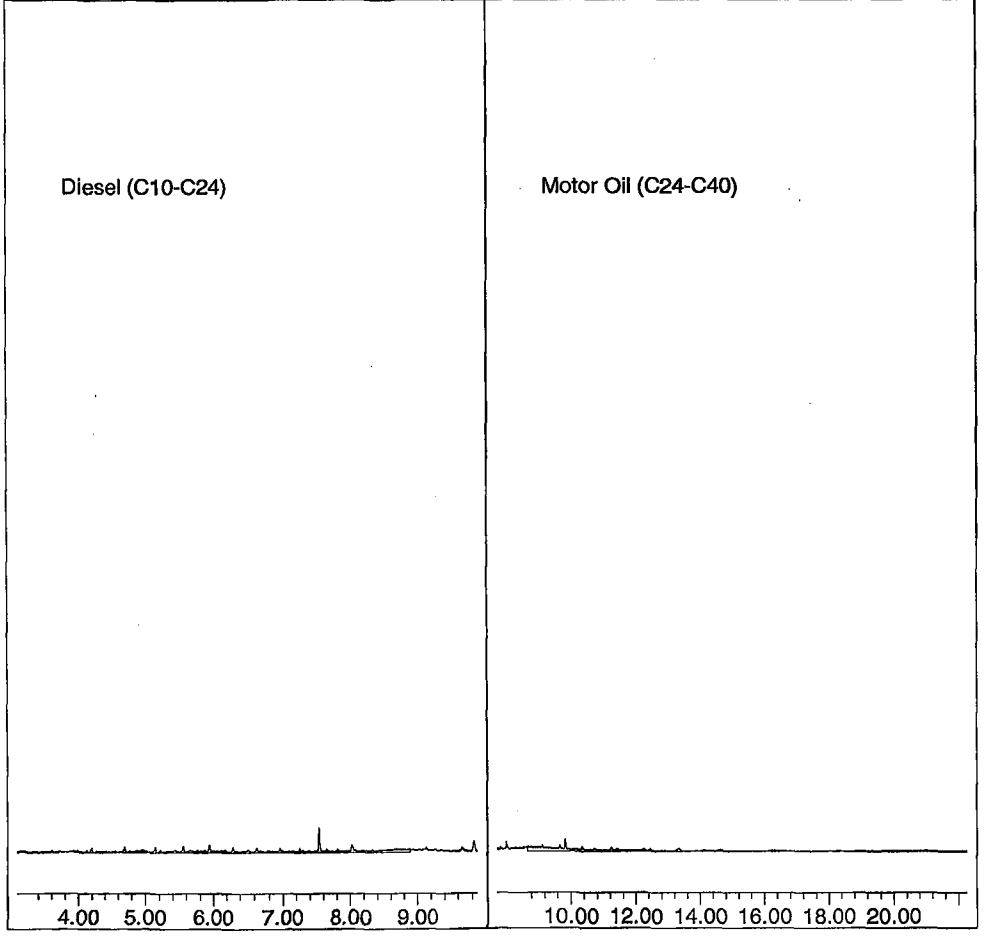
Target Compounds

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\211028\1028003.D
Sample : DMO STD 1 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028004.D Vial: 4
Acq On : 10-28-21 9:47:06 Operator: KA
Sample : DMO STD 2 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

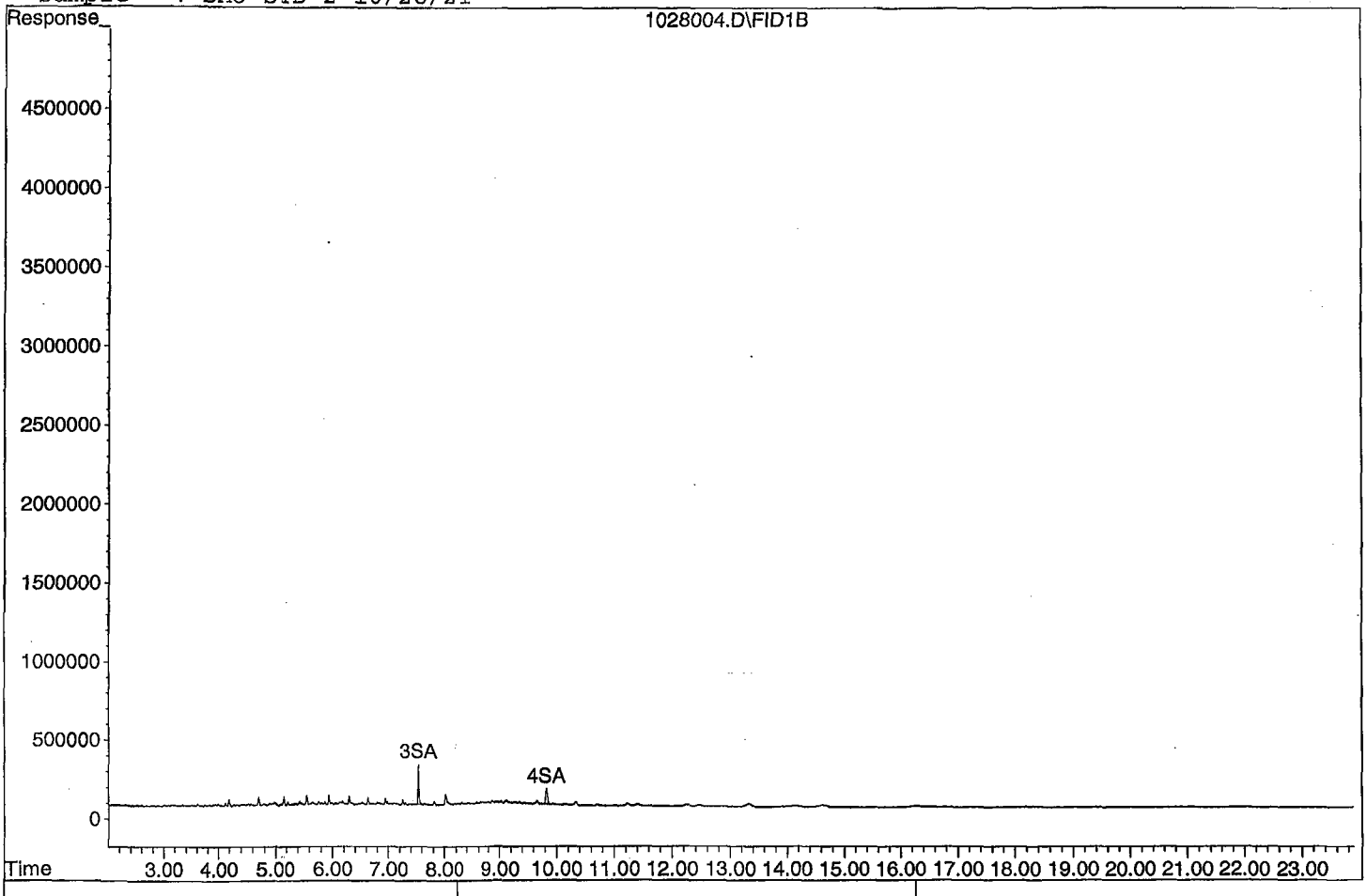
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

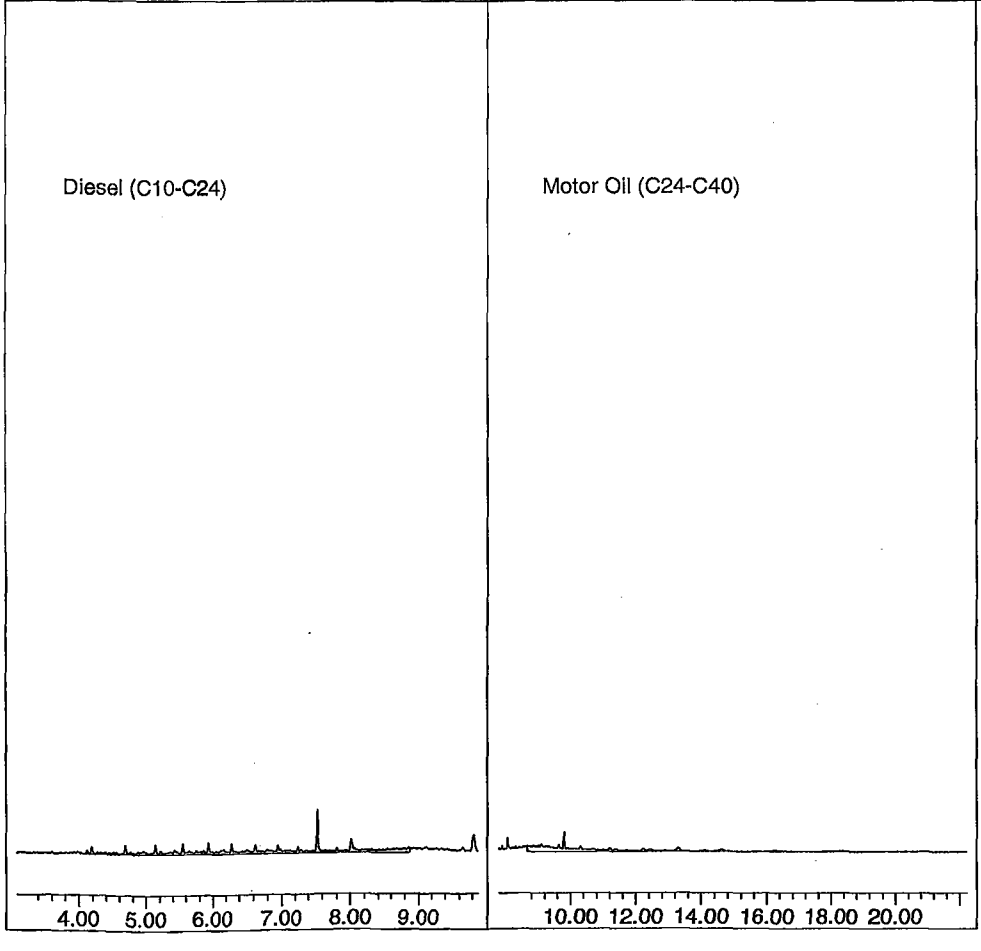
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 3178668 | 0.508 ppb |
| Surrogate Spike 30.000 | Recovery | = | 1.69% |
| 4) SA Octacosane(S) | 9.82 | 2170507 | 0.480 ppb |
| Surrogate Spike 30.000 | Recovery | = | 1.60% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 48131263 | 9.562 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 65214303 | 9.152 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028004.D
Sample : DMO STD 2 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028005.D Vial: 5
Acq On : 10-28-21 10:15:13 Operator: KA
Sample : DMO STD 3 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

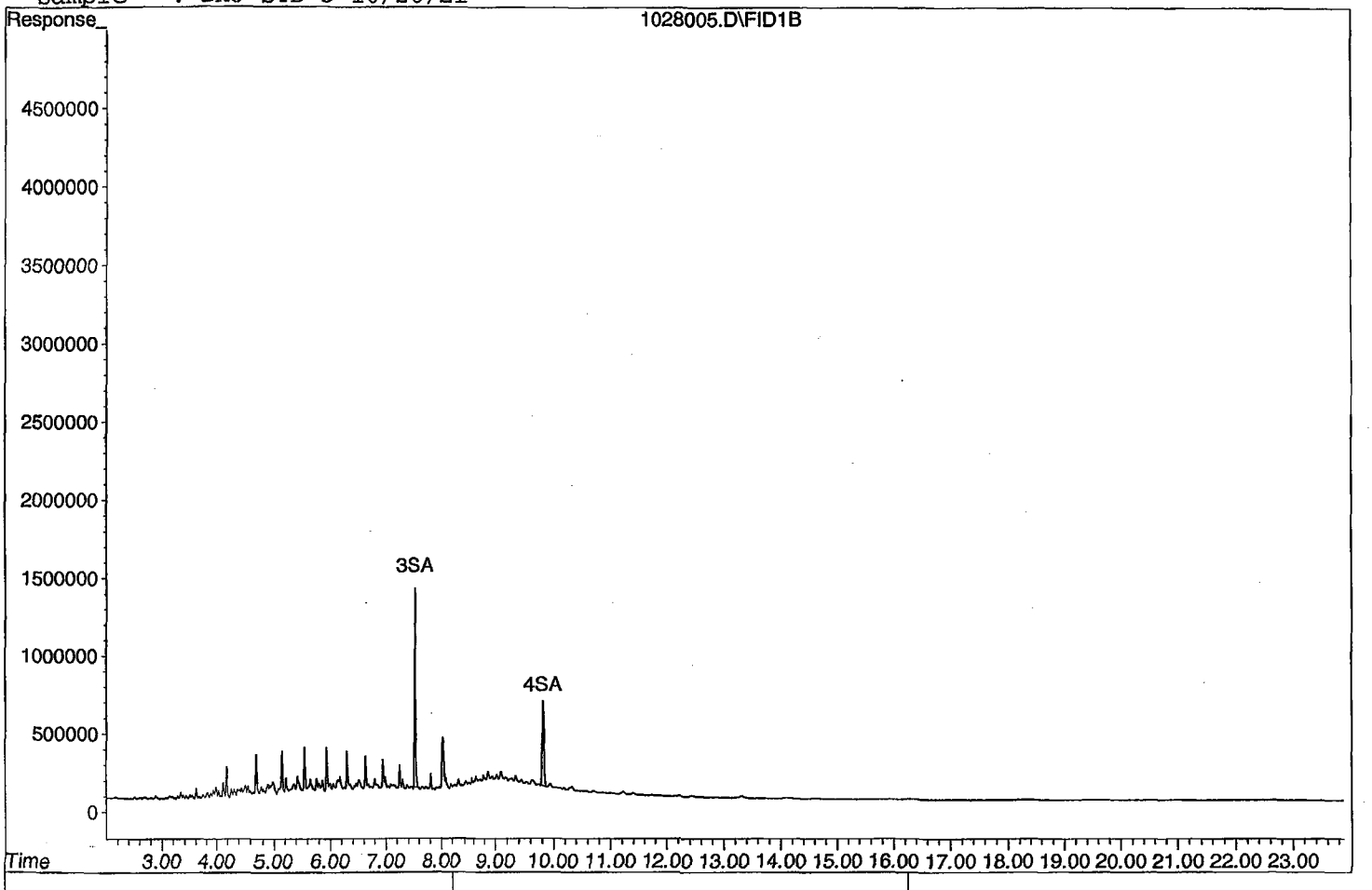
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

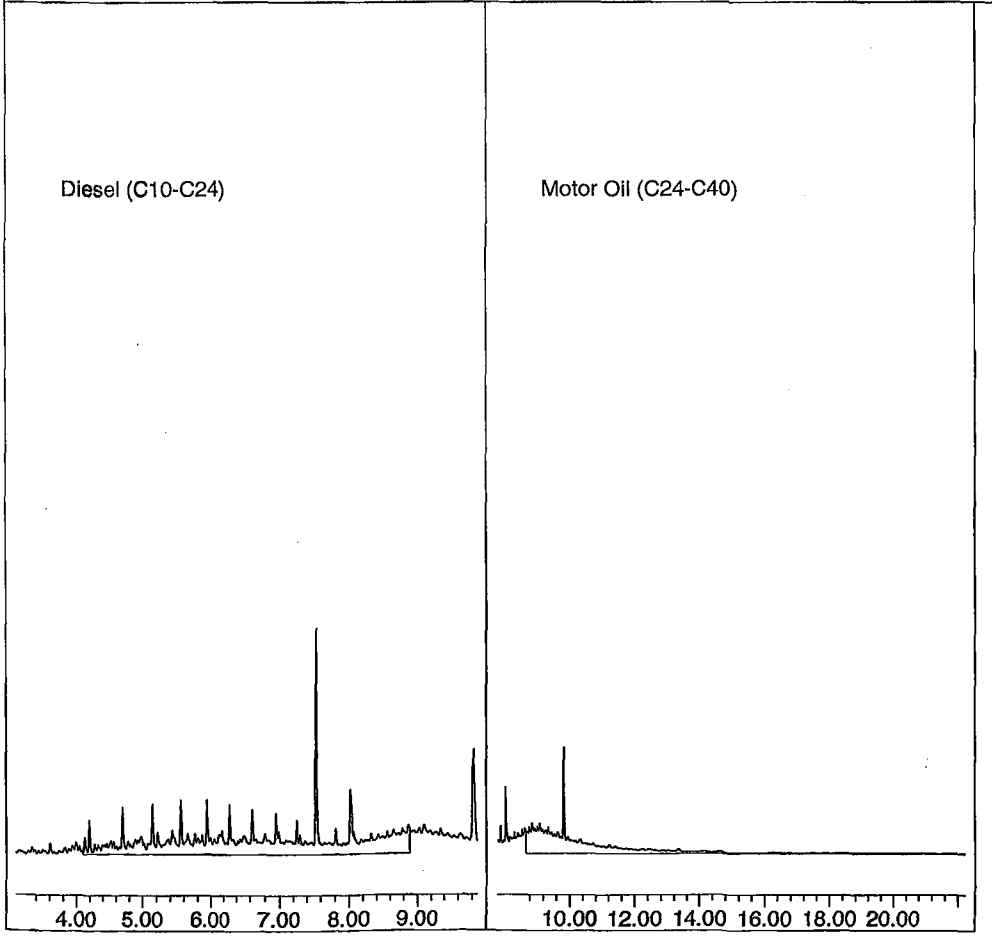
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 15599382 | 2.494 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.31% |
| 4) SA Octacosane(S) | 9.82 | 11432050 | 2.528 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.43% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 251787231 | 50.024 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 206586322 | 50.832 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028005.D
Sample : DMO STD 3 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028006.D Vial: 6
Acq On : 10-28-21 10:43:31 Operator: KA
Sample : DMO STD 4 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

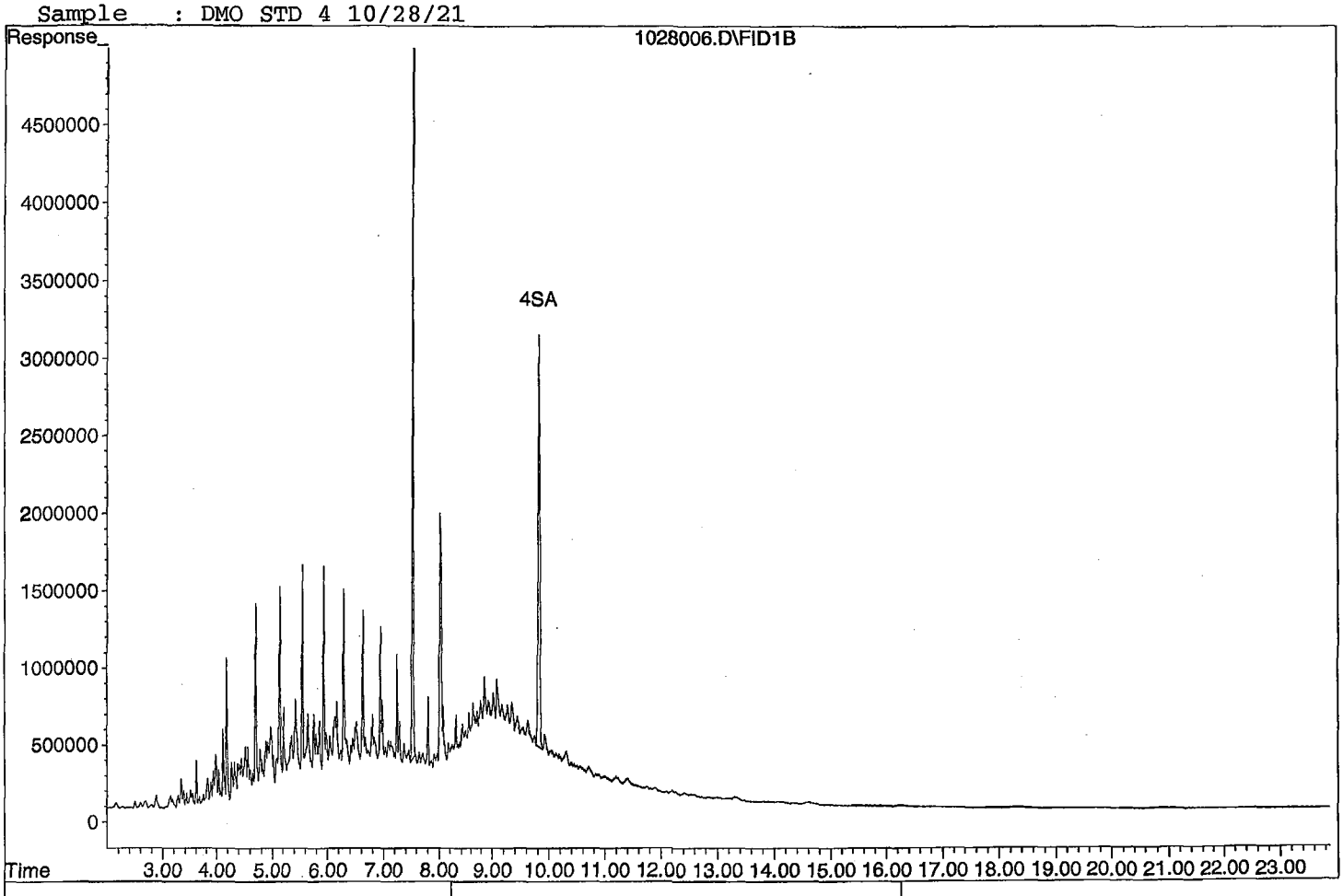
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

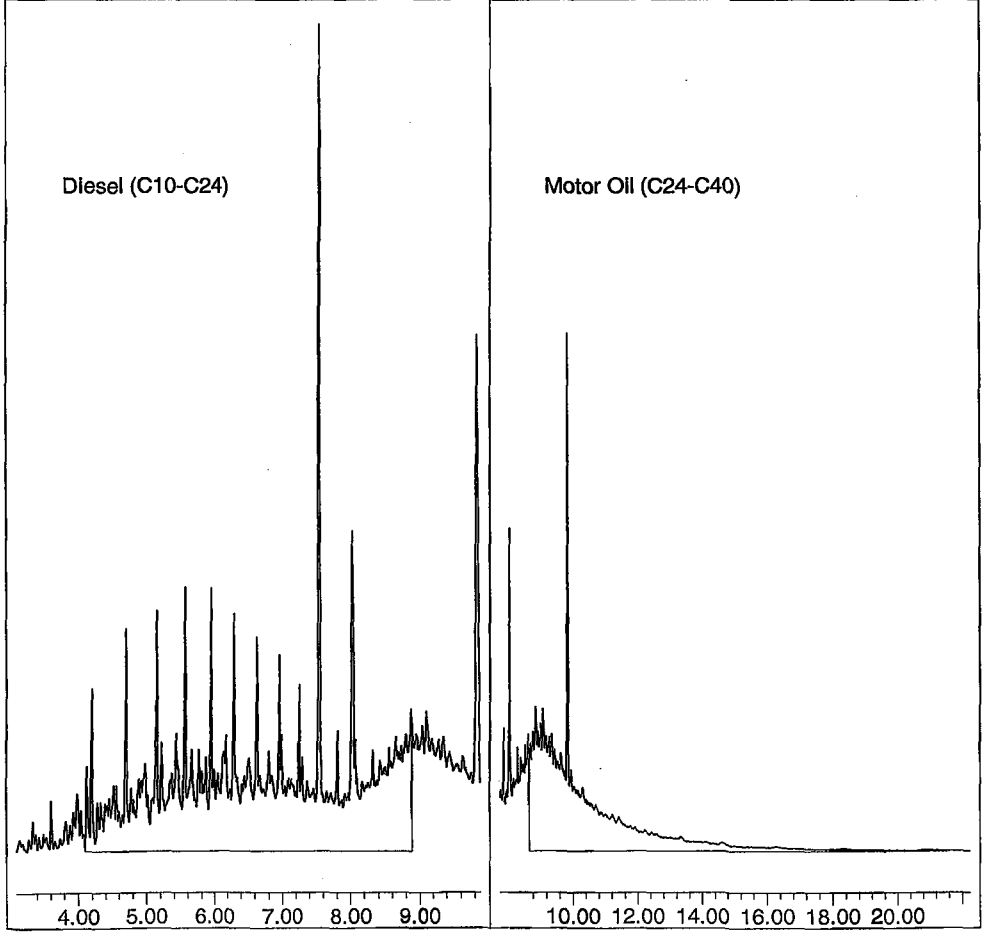
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 75891940 | 12.133 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.44% |
| 4) SA Octacosane(S) | 9.82 | 56888797 | 12.578 ppb |
| Surrogate Spike 30.000 | | Recovery = | 41.93% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1209470396 | 240.292 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 912296132 | 258.892 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028006.D
Sample : DMO STD 4 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028007.D Vial: 7
Acq On : 10-28-21 11:11:42 Operator: KA
Sample : DMO STD 5 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

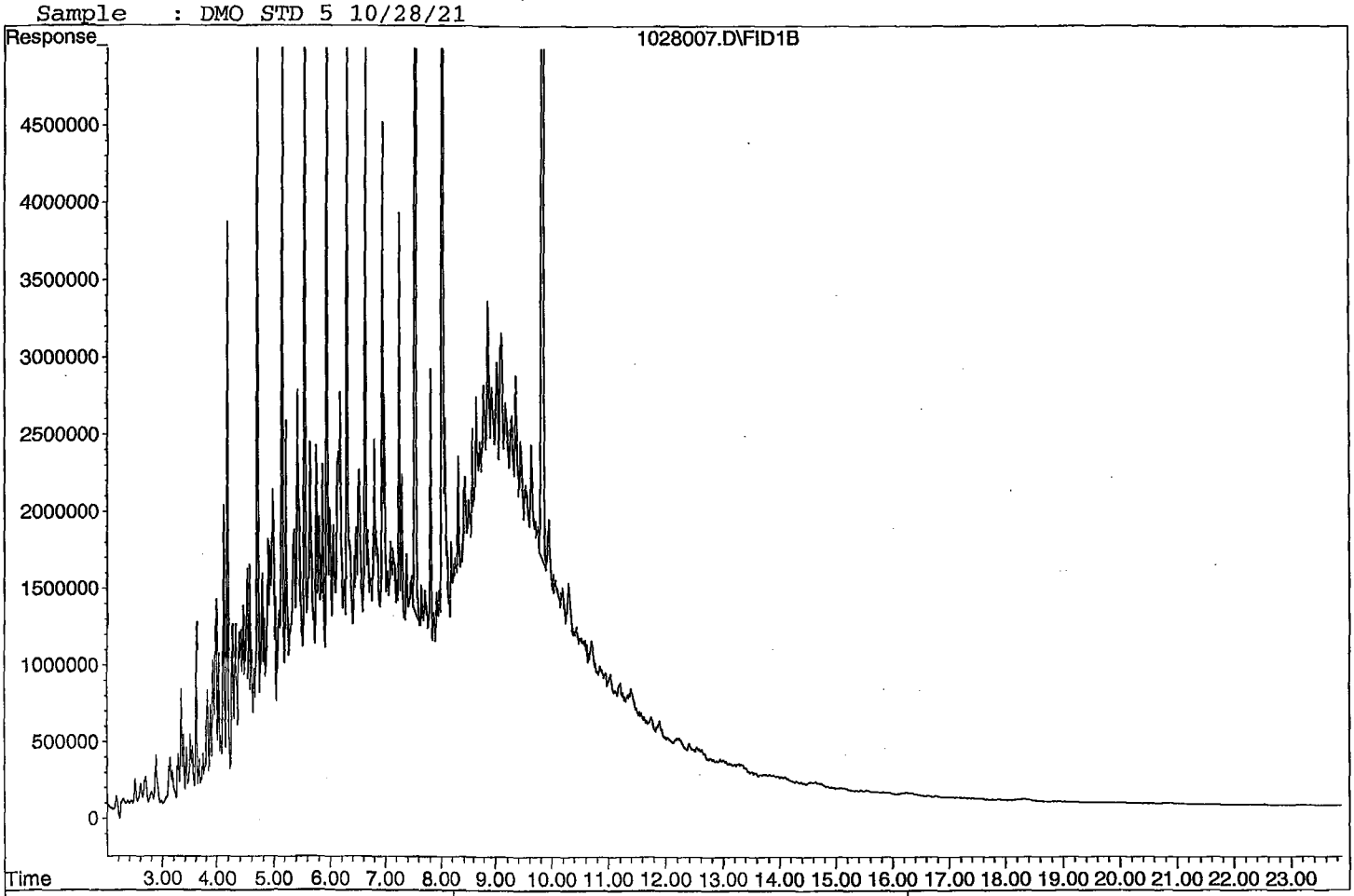
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

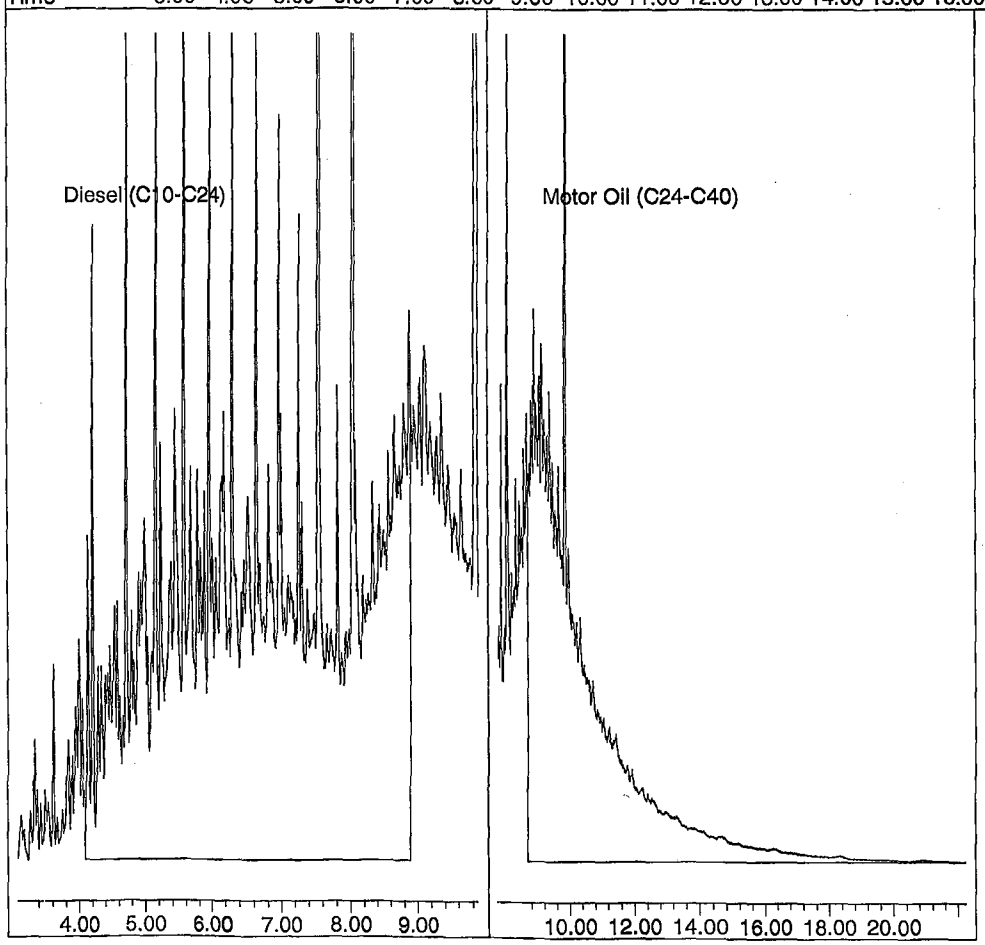
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 292696553 | 46.794 ppb |
| Surrogate Spike 30.000 | Recovery = | | 155.98% |
| 4) SA Octacosane(S) | 9.83 | 217041298 | 47.988 ppb |
| Surrogate Spike 30.000 | Recovery = | | 159.96% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 4675985227 | 929.003 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 3391967397 | 989.959 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028007.D
Sample : DMO STD 5 10/28/21



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028008.D Vial: 8
Acq On : 10-28-21 11:39:55 Operator: KA
Sample : DMO STD 6 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

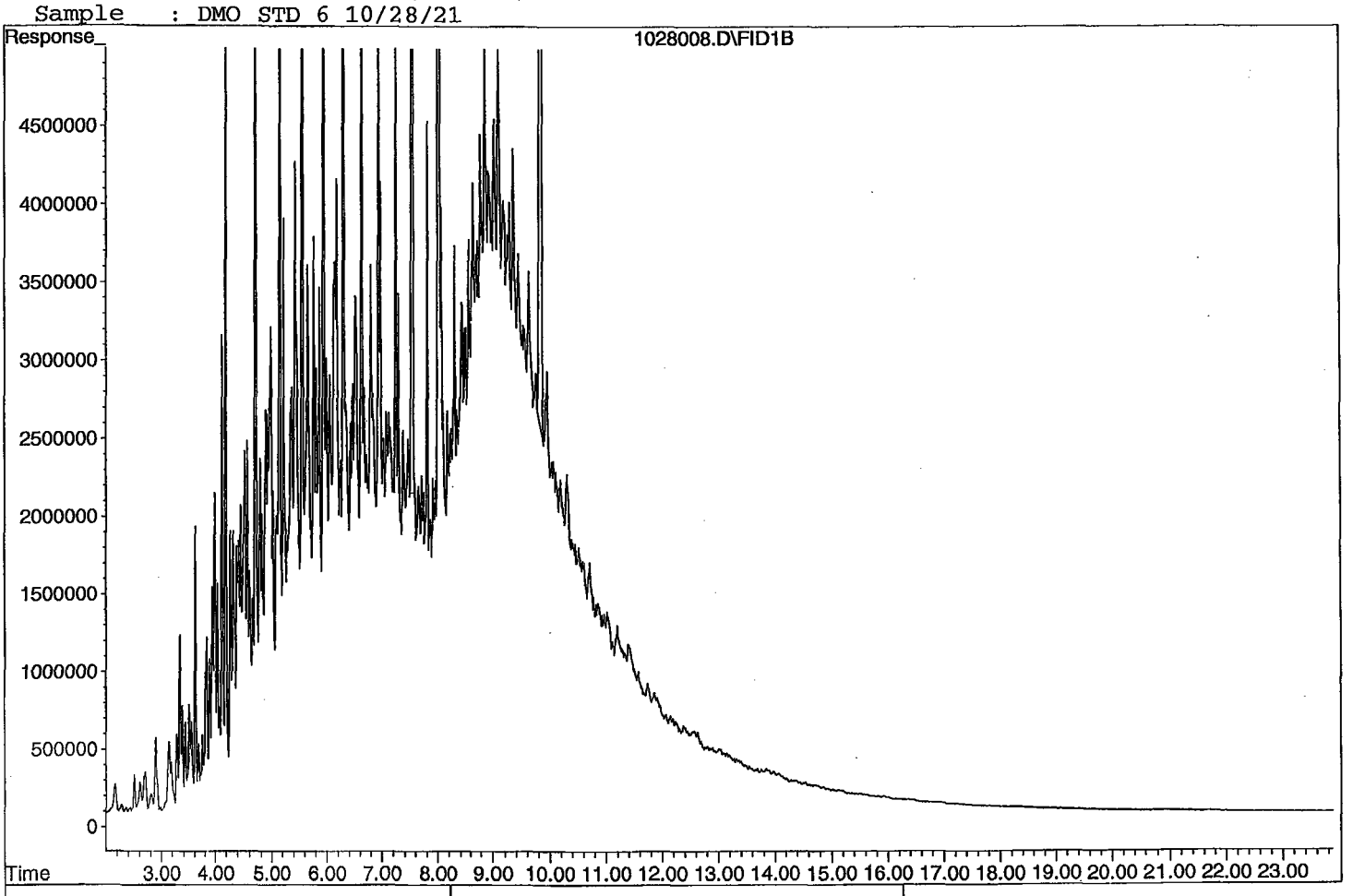
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

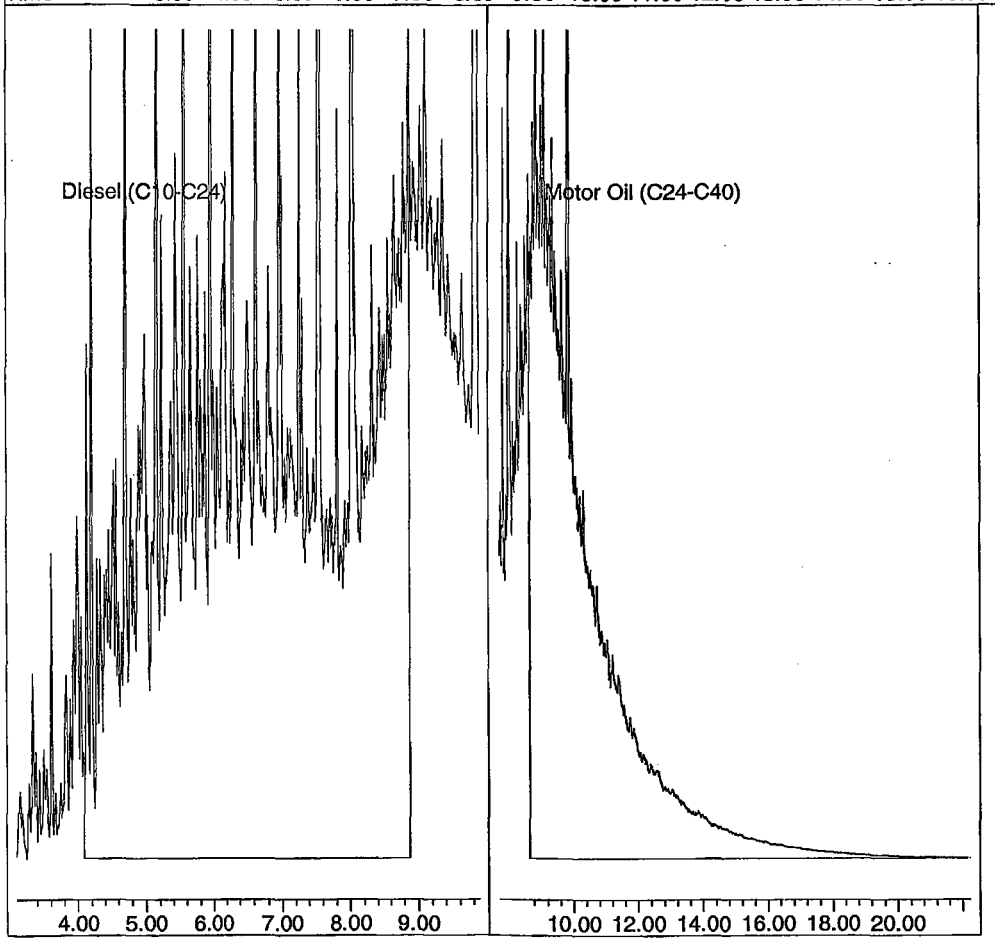
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 435798382 | 69.672 ppb |
| Surrogate Spike 30.000 | | Recovery = | 232.24% |
| 4) SA Octacosane(S) | 9.84 | 325688048 | 72.009 ppb |
| Surrogate Spike 30.000 | | Recovery = | 240.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 7163144090 | 1423.140 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 5028351305 | 1472.405 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211028\1028008.D
Sample : DMO STD 6 10/28/21



Quantitation Report (Not Reviewed)

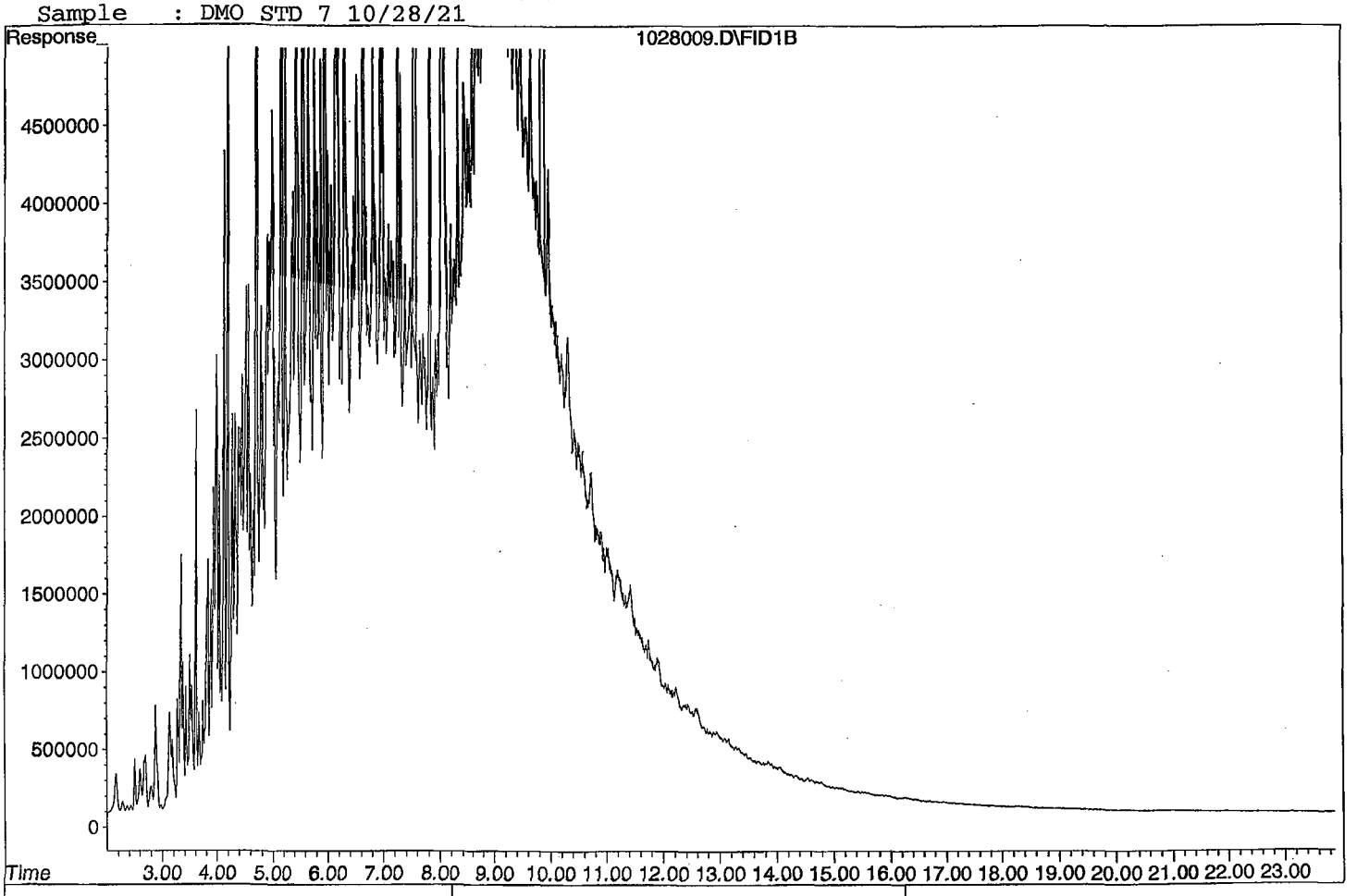
Data File : G:\APOLLO\DATA\211028\1028009.D Vial: 9
Acq On : 10-28-21 12:08:10 Operator: KA
Sample : DMO STD 7 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

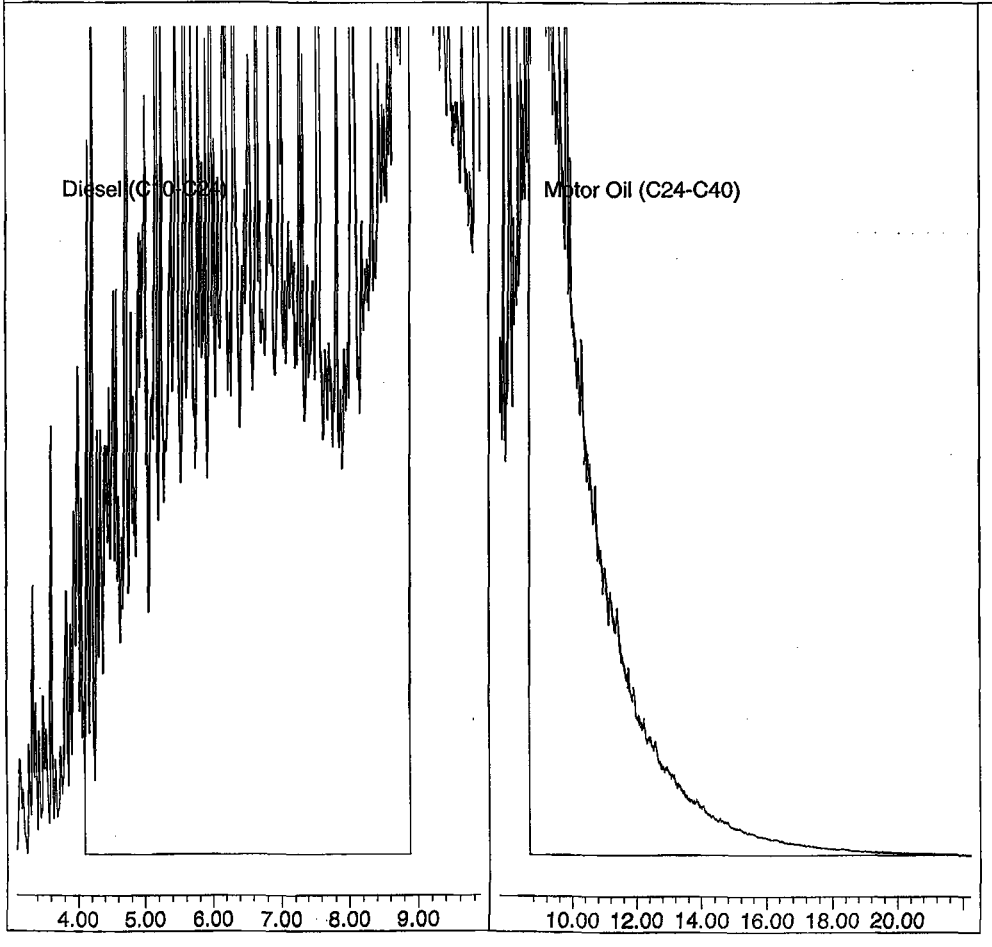
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.54 | 617758709 | 98.762 ppb |
| Surrogate Spike 30.000 | | Recovery = | 329.21% |
| 4) SA Octacosane(S) | 9.85 | 457331573 | 101.116 ppb |
| Surrogate Spike 30.000 | | Recovery = | 337.05% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 10255165539 | 2037.448 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 6914631831 | 2028.526 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\211028\1028009.D
Sample : DMO STD 7 10/28/21



TPH Extractables
DOC1028

Form 7

# Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 10/28/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1028010.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2266400 | 9.9 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1663520 | 33 | HBTML | 5.9 |
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| | | Average | | | 21.5 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211028\1028010.D Vial: 10
Acq On : 10-28-21 12:36:26 Operator: KA
Sample : DMO Second Source 10/28/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Oct 28 15:39 2021 Quant Results File: DOC1028.RES

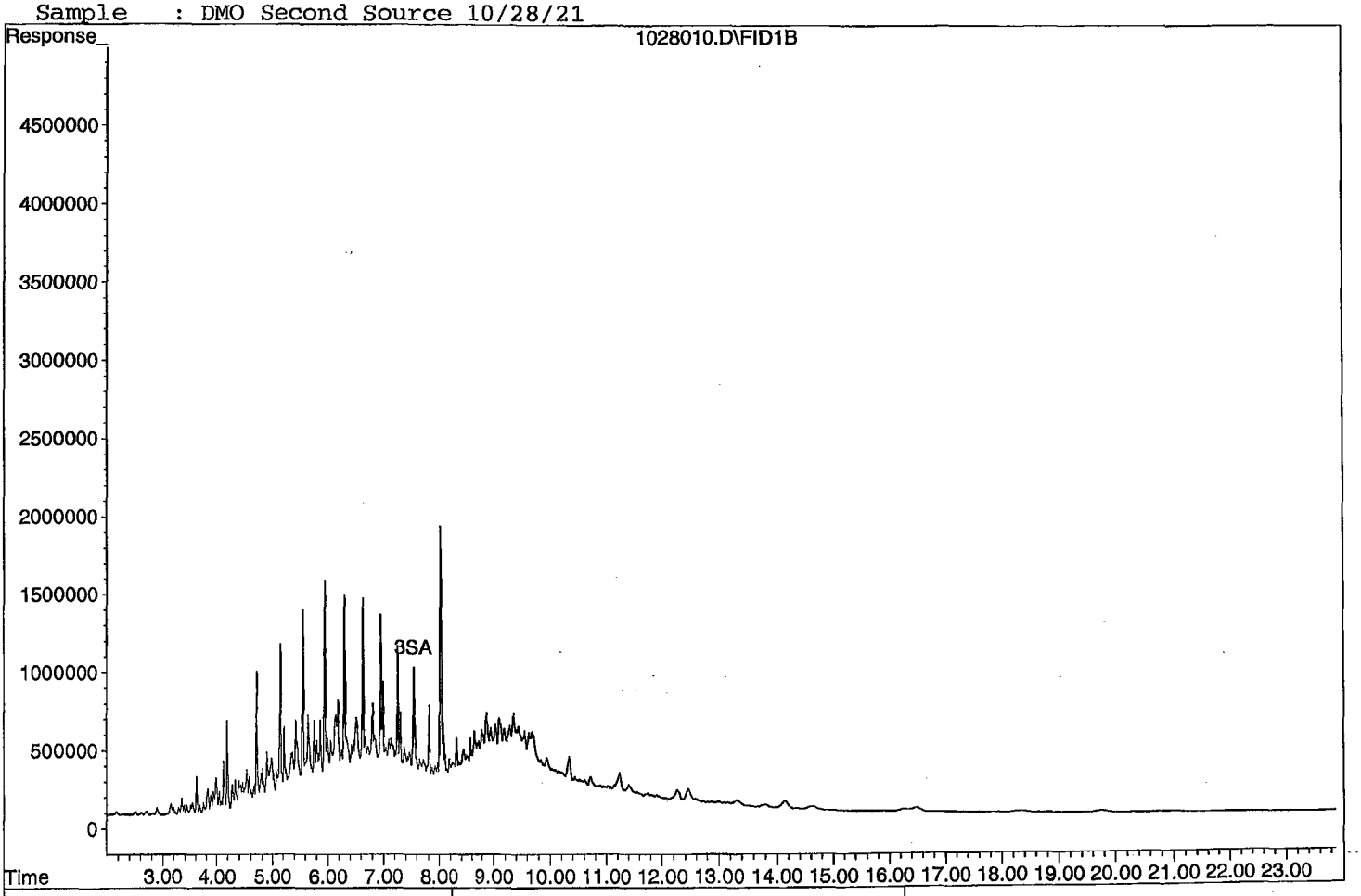
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Oct 28 15:39:11 2021
Response via : Multiple Level Calibration

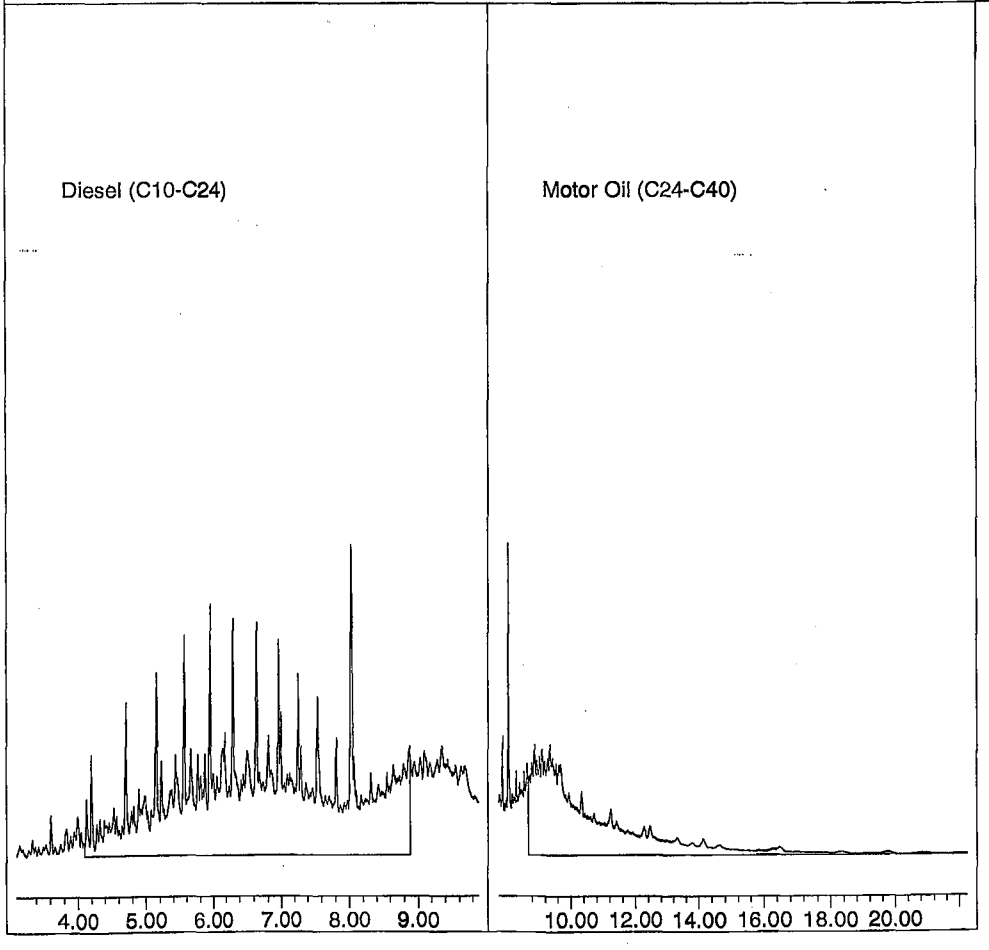
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

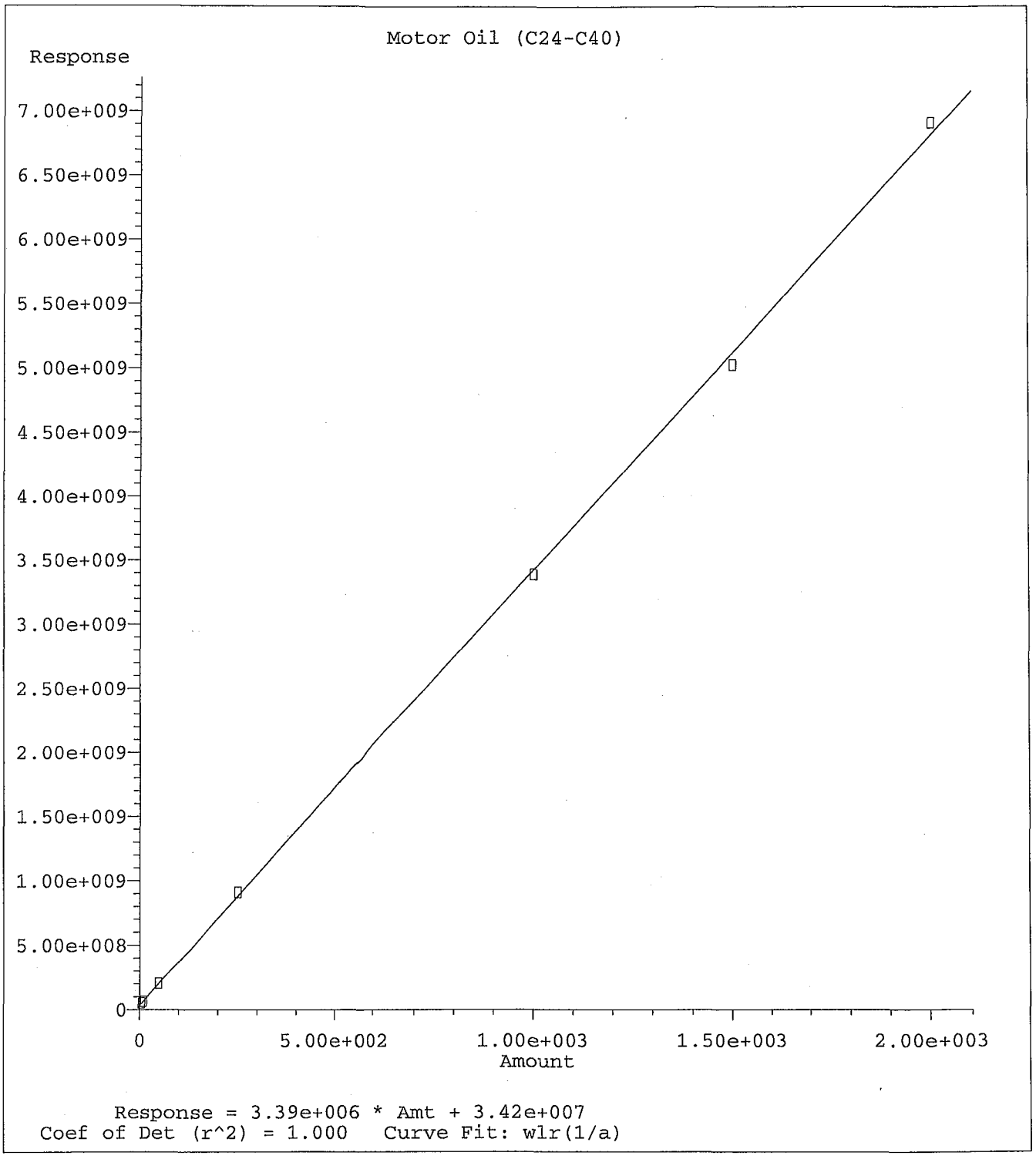
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 4250105 | 0.679 ppb |
| Surrogate Spike 30.000 | Recovery | = | 2.26% |
| 4) SA Octacosane(S) | 9.83 | -3553 | N.D. ppb |
| Surrogate Spike 30.000 | Recovery | = | 0.00% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1133202337 | 225.139 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 831758038 | 235.148 ppb |

Target Compounds

Data File: G:\APOLLO\DATA\211028\1028010.D
Sample : DMO Second Source 10/28/21






Method Name: G:\APOLLO\DATA\211028\DOC1028.M
Calibration Table Last Updated: Thu Oct 28 15:37:06 2021

TPH Extractables
DOC1028

Form 7
## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/2/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1101043.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2421640 | 3.8 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1882350 | 24 | HBTML | 7.0 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 3042570 | 2.7 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 2222000 | 1.7 | SA | |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 8.1 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211101\1101043.D Vial: 43
Acq On : 11-2-21 12:50:56 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 18 9:25 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 09:25:49 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 76064140 | 12.161 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.54% |
| 4) SA Octacosane(S) | 9.79 | 55549901 | 12.282 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.94% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1210818077 | 240.560 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 941177047 | 267.407 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

TPH Extractables
DOC1028

Form 7

# Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 11/2/2021
Instrument: Apollo
Initial Cal. Date: 10/28/2021
Data File: 1101060.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2516670 | 2452670 | 2.5 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2492040 | 1852340 | 26 | HBTML | 5.2 |
| 3 | SA | Ortho-Terphenyl(S) | 3127510 | 3053340 | 2.4 | SA | |
| 4 | SA | Octacosane(S) | 2261430 | 2273270 | 0.52 | SA | |
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| 40 | | | | | | | |
| | | Average | | | 7.9 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\211101\1101060.D Vial: 60
Acq On : 11-2-21 20:52:14 Operator: KA
Sample : DMO LVL 4 CCV 10/27/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 18 9:27 2021 Quant Results File: DOC1028.RES

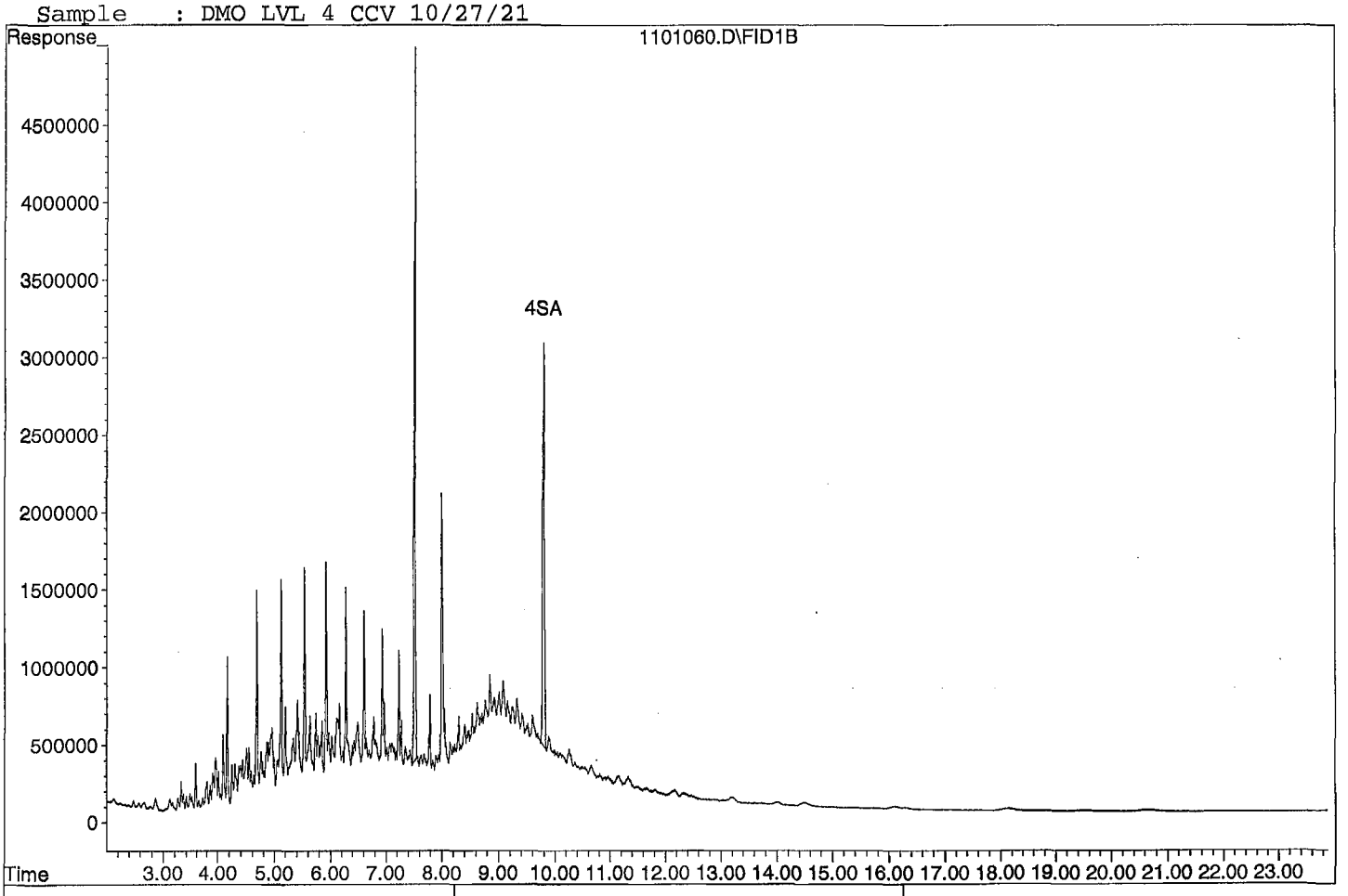
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Nov 18 09:25:49 2021
Response via : Multiple Level Calibration

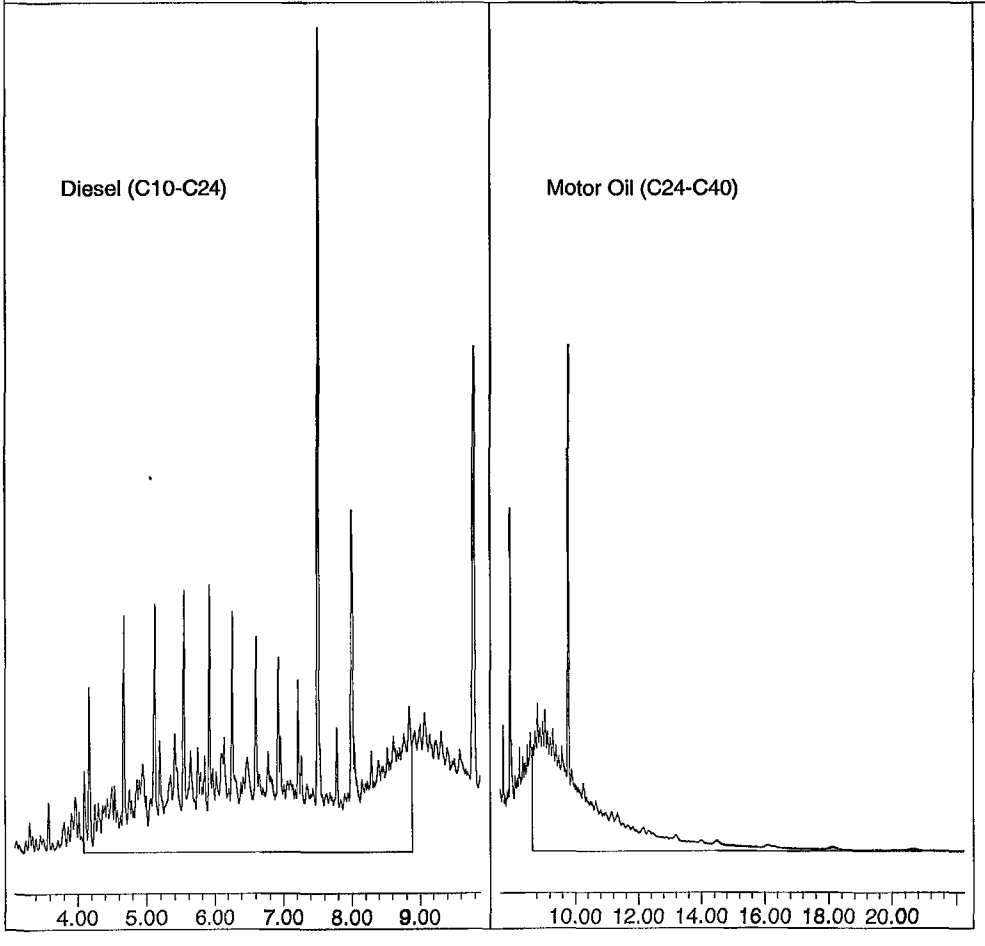
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 76333578 | 12.204 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.68% |
| 4) SA Octacosane(S) | 9.79 | 56831725 | 12.565 ppb |
| Surrogate Spike 30.000 | | Recovery = | 41.88% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 1226334750 | 243.642 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 926170268 | 262.983 ppb |

Target Compounds

Data File: G:\APOLLO\DATA\211101\1101060.D
Sample : DMO LVL 4 CCV 10/27/21



# ORGANICS
## Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101047.D Vial: 47
Acq On : 11-2-21 14:44:16 Operator: KA
Sample : BA44377W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 3 11:14 2021 Quant Results File: DOC1028.RES

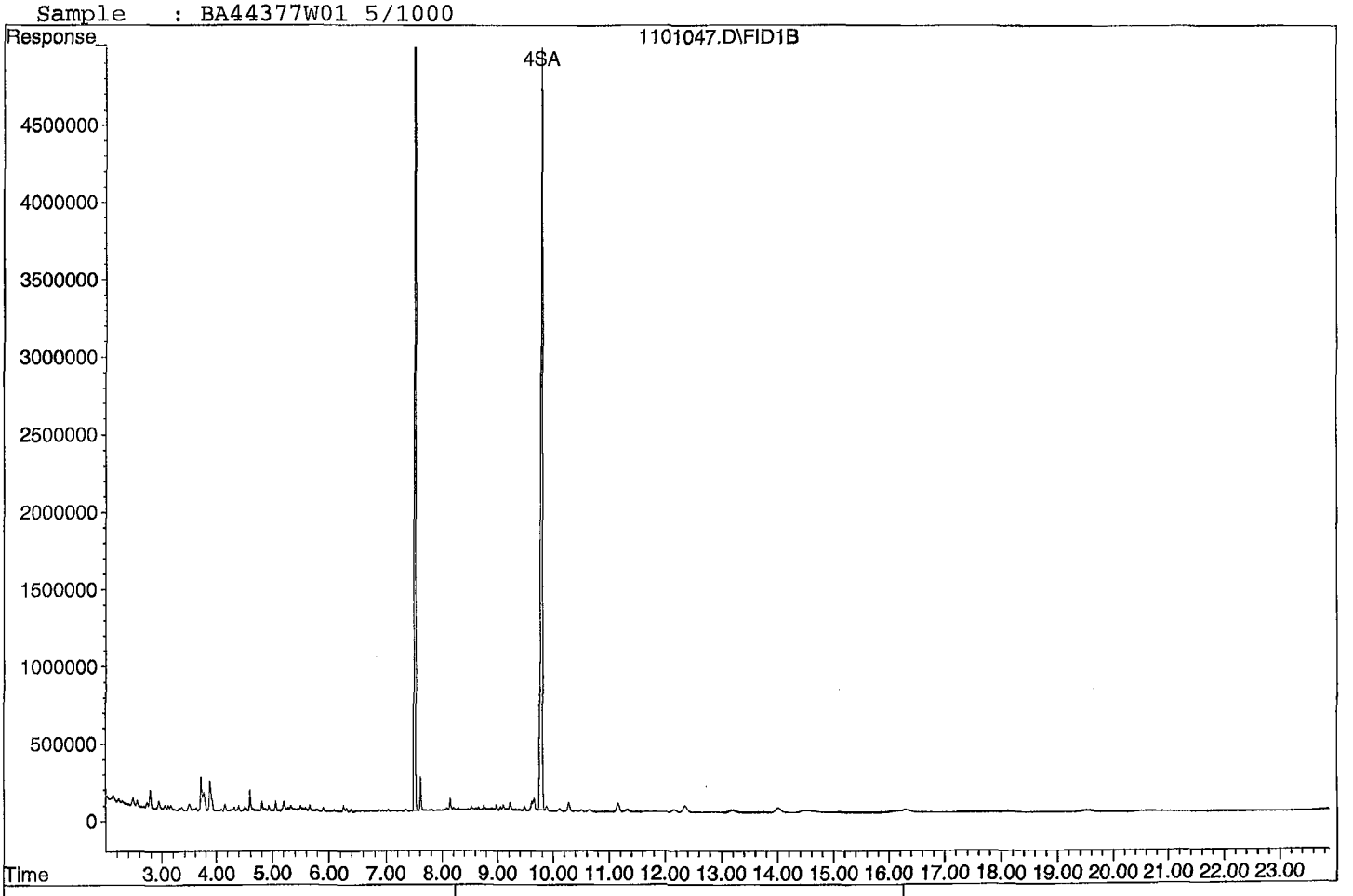
Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Nov 02 14:56:02 2021
Response via : Multiple Level Calibration

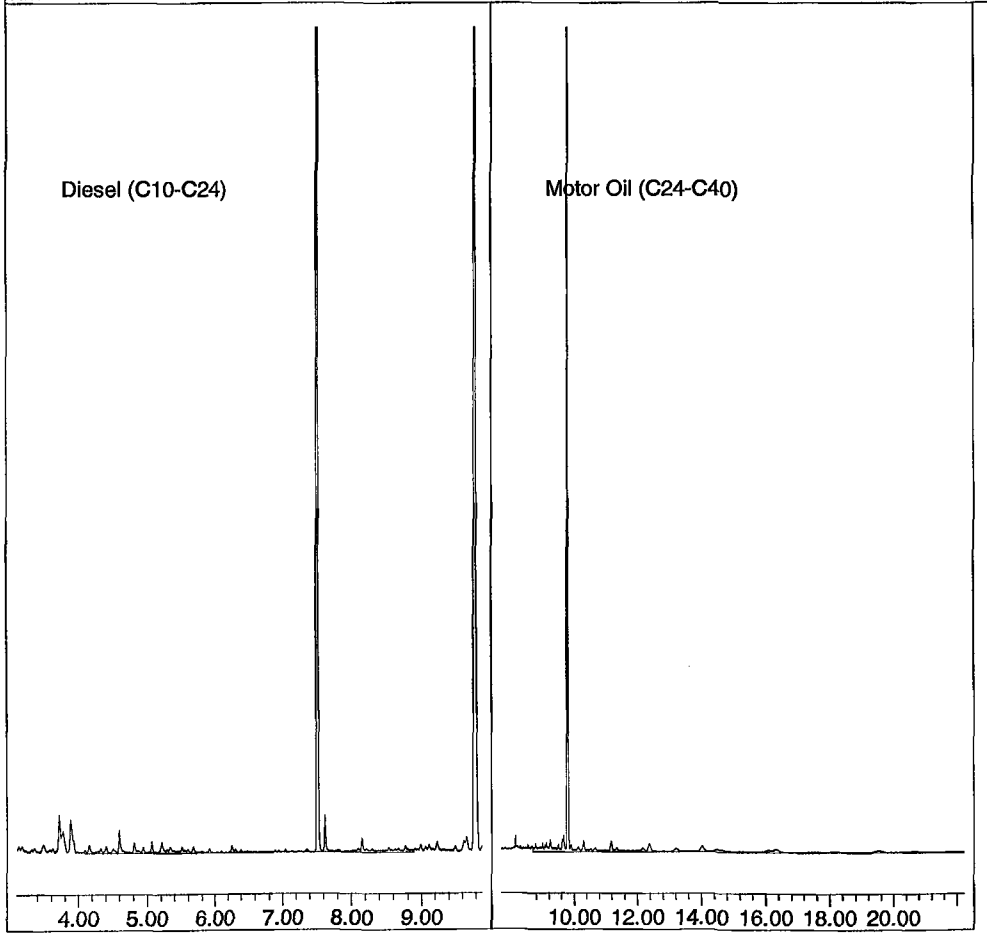
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 121569085 | 97.177 ppb |
| Surrogate Spike 150.000 | | Recovery = | 64.78% |
| 4) SA Octacosane(S) | 9.79 | 105866333 | 117.035 ppb |
| Surrogate Spike 150.000 | | Recovery = | 78.02% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 36674772 | 36.432 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 73296513 | 57.675 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window (m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101047.D
Sample : BA44377W01 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101044.D Vial: 44
Acq On : 11-2-21 13:19:16 Operator: KA
Sample : 211028A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 3 10:31 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Nov 02 14:56:02 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

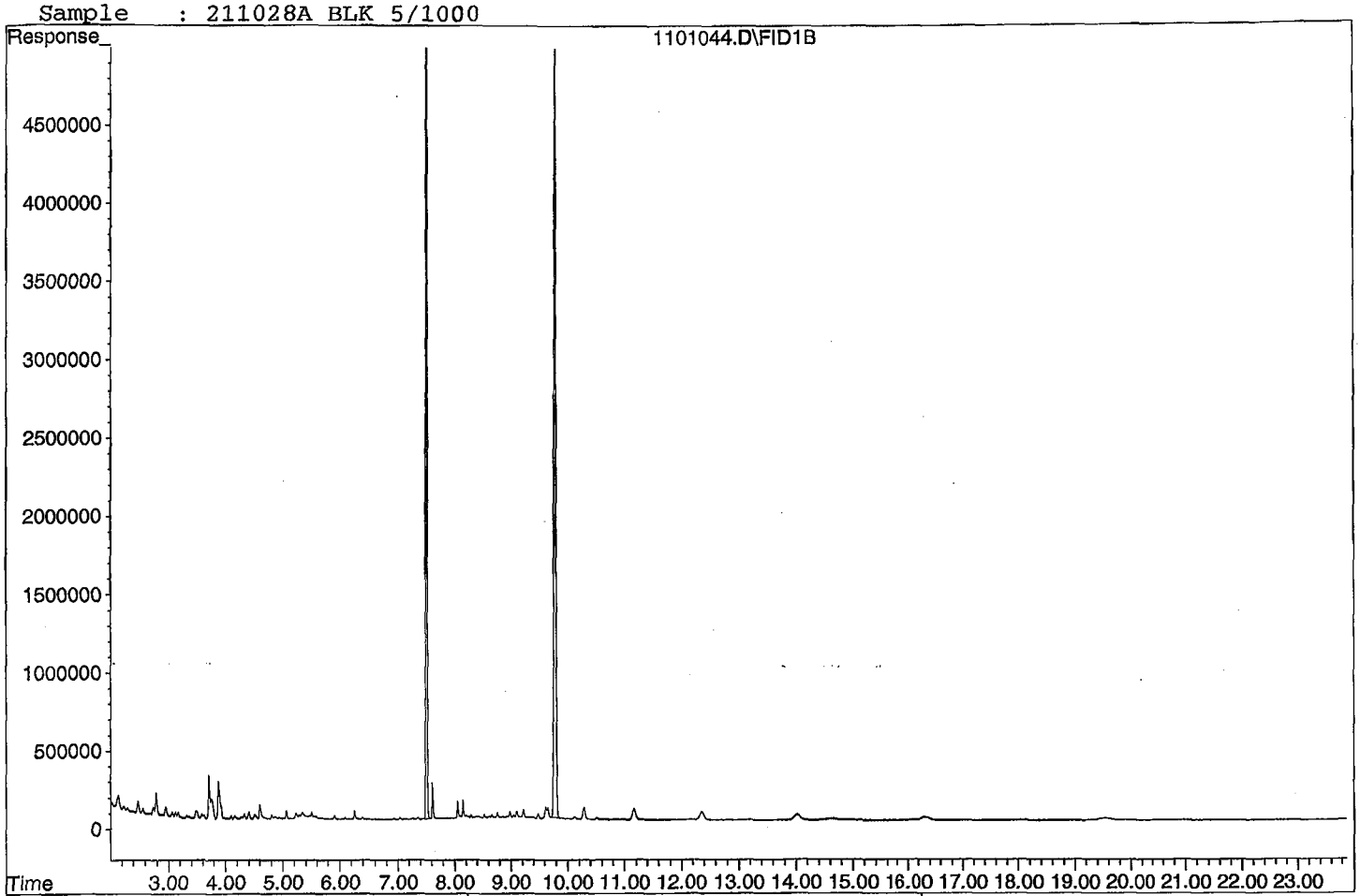
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 130170122 | 104.053 ppb |
| Surrogate Spike 150.000 | | Recovery = | 69.37% |
| 4) SA Octacosane(S) | 9.79 | 114312276 | 126.372 ppb |
| Surrogate Spike 150.000 | | Recovery = | 84.25% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 43139665 | 42.854 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 76805451 | 62.848 ppb |
| Target Compounds | | | |

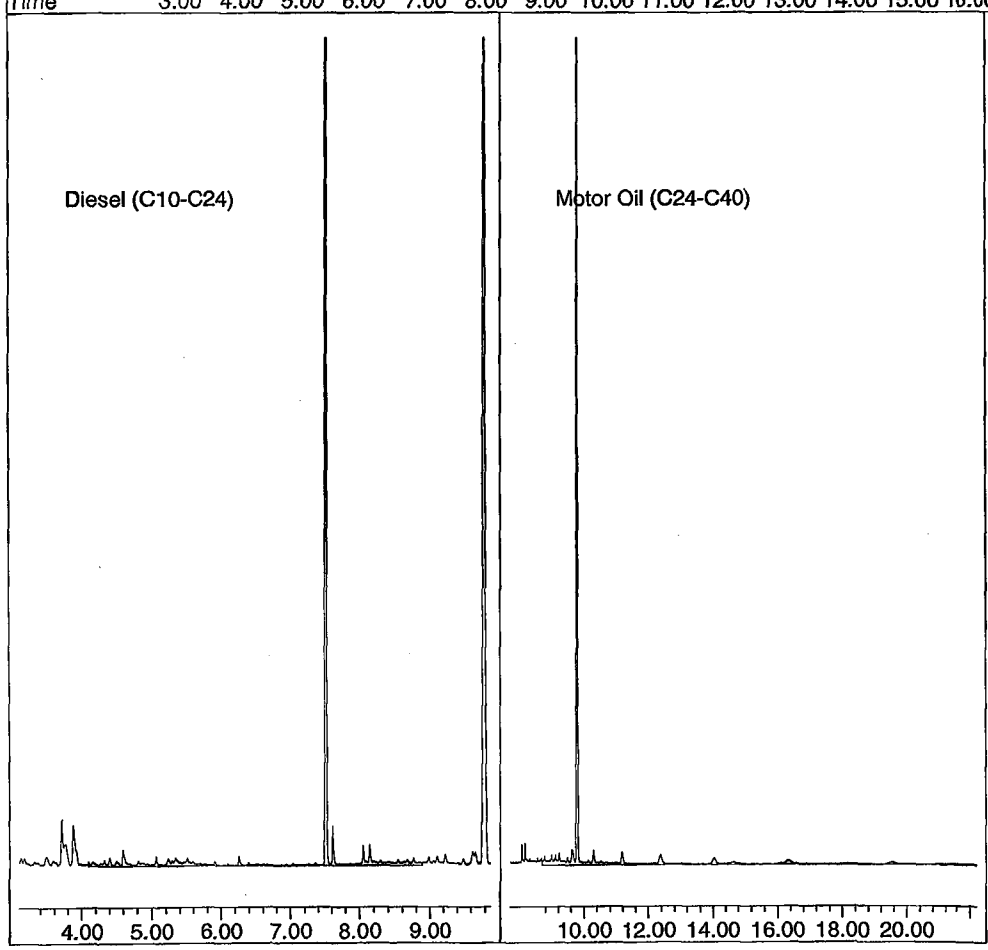


(f)=RT Delta > 1/2 Window (m)=manual int.
1101044.D DOC1028.M Wed Nov 03 11:24:11 2021 Page 1

Quantitation Report

Data File: G:\APOLLO\DATA\211101\1101044.D
Sample : 211028A BLK 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101045.D Vial: 45
Acq On : 11-2-21 13:47:33 Operator: KA
Sample : 211028A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 3 10:31 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Nov 02 14:56:02 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 103836756 | 83.003 ppb |
| Surrogate Spike 150.000 | | Recovery = | 55.34% |
| 4) SA Octacosane(S) | 9.79 | 90165565 | 99.678 ppb |
| Surrogate Spike 150.000 | | Recovery = | 66.45% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 32268722 | 32.055 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 61268697 | 39.945 ppb |
| Target Compounds | | | |

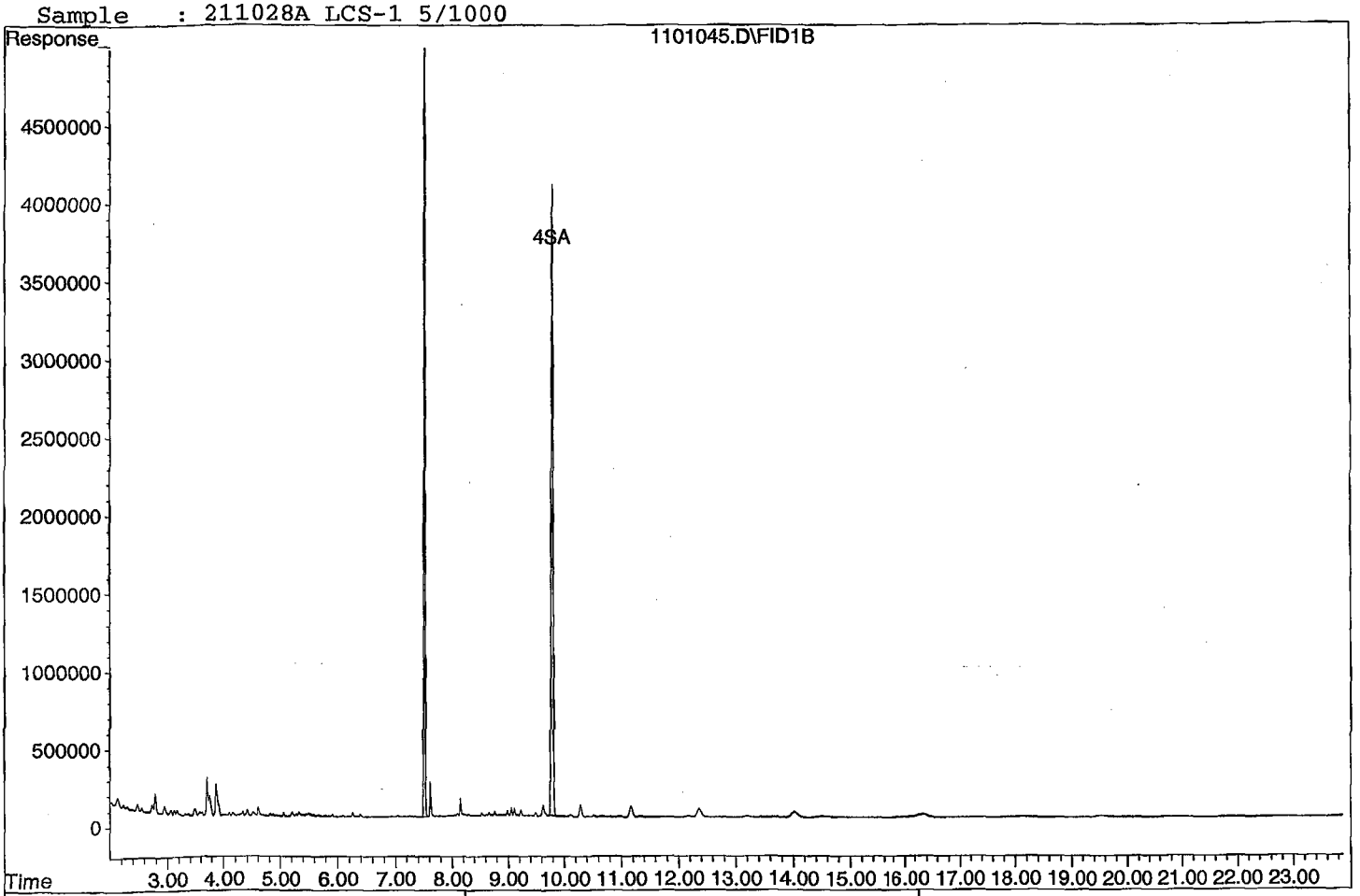
Diesel:

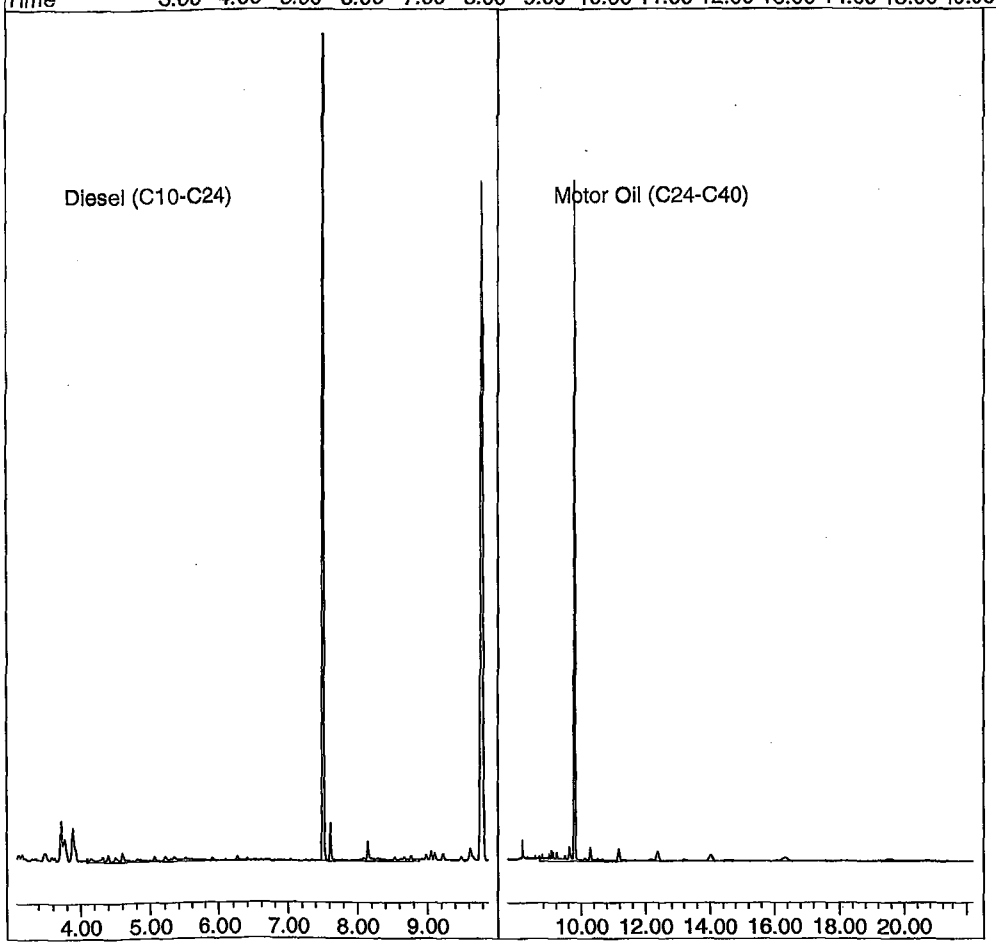
$$\frac{(32268722)(5)}{(2516669)(2)} = \frac{161343610}{5033338} = \boxed{32.055}$$

(f)=RT Delta > 1/2 Window
1101045.D DOC1028.M Wed Nov 03 11:24:13 2021

(m)=manual int.

Data File: G:\APOLLO\DATA\211101\1101045.D
Sample : 211028A LCS-1 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\211101\1101046.D Vial: 46
Acq On : 11-2-21 14:15:56 Operator: KA
Sample : 211028A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 3 11:13 2021 Quant Results File: DOC1028.RES

Method : G:\APOLLO\DATA\211028\DOC1028.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Nov 02 14:56:02 2021
Response via : Multiple Level Calibration

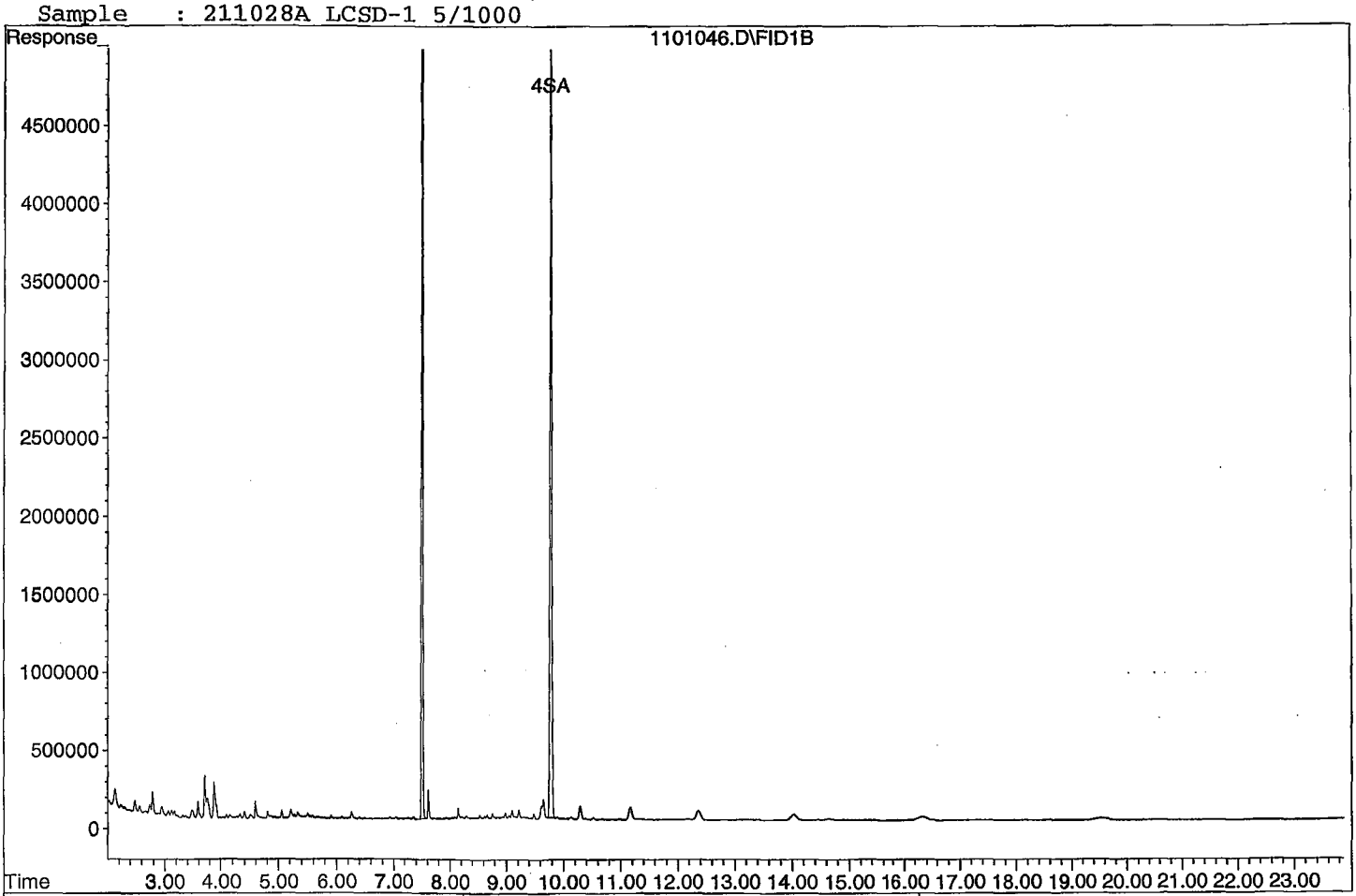
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

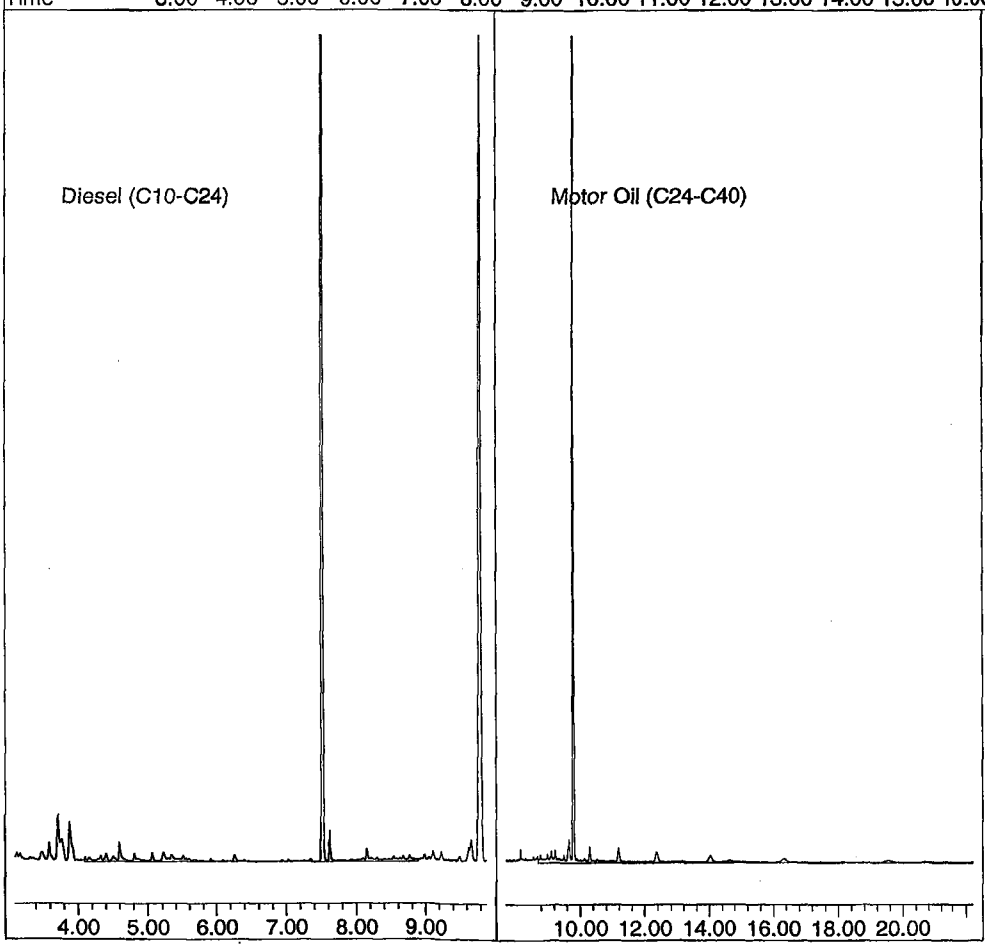
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 122956161 | 98.286 ppb |
| Surrogate Spike 150.000 | | Recovery = | 65.52% |
| 4) SA Octacosane(S) | 9.79 | 107692940 | 119.054 ppb |
| Surrogate Spike 150.000 | | Recovery = | 79.37% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.49 | 38311036 | 38.057 ppb |
| 2) HBTM Motor Oil (C24-C40) | 14.96 | 79331697 | 66.572 ppb |
| Target Compounds | | | |



(f)=RT Delta > 1/2 Window (m)=manual int.
1101046.D DOC1028.M Wed Nov 03 11:24:14 2021 Page 1

Data File: G:\APOLLO\DATA\211101\1101046.D
Sample : 211028A LCSD-1 5/1000



## Diesel / Motor Oil Calibration Curve

**Prepared: 10/28/2021**
**Expires: 5/31/2026**
**Methylene Chloride Lot No. 61117**

**Prepared By (Initials): KA**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Conc. (ug/mL) | APPL Mix Name | Reference to APPL Prep Date and Lot #'s | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel / Motor Oil - 2 | APPL | 10 | Diesel / Motor Oil - 1 | Perp'd: 10/6/21 A0164485-52822, A0168842-52820, AO166510-52817 CL16893-52835 | See man. Exp date | 10/31/2027 12/31/2027 5/31/2026 | 100uL | 200uL | MC | 5 |
| Diesel / Motor Oil - 3 | | 50 | Diesel / Motor Oil - 2 | | | | 200uL | 1mL | MC | 10 |
| Diesel / Motor Oil Calibration STD | Restek | 2,000 | Diesel / Motor Oil - 3 | | | | 25uL | 1mL | MC | 50 |
| | | | Diesel / Motor Oil - 4 | | | | 125uL | 1mL | MC | 250 |
| | | | Diesel / Motor Oil - 5 | | | | 500uL | 1mL | MC | 1000 |
| | | | Diesel / Motor Oil - 6 | | | | 750uL | 1mL | MC | 1500 |
| | | | Diesel / Motor Oil - 7 | | | | 100uL | 100uL | N/A | 2,000 |

## Diesel / Motor Oil Second Source

**Prepared: 10/28/2021**
**Expires: 10/28/2024**
**Methylene Chloride Lot No. 61117**

**Prepared By (Initials): KA**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel Fuel #2 Second Source | Phenova | AL0-101287 | 50,000 | **CL16477-52980** | **See man. Exp date** | **2/28/2027** | 50uL | 10mL | MC | 250 |
| Motor Oil Second Source | Absolute | 51094 | 50,000 | **102819-52981** | | **10/28/2024** | 50uL | | | |

## Diesel / Motor Oil CCV

**Prepared: 10/27/2021**
**Expires: 5/31/2026**
**Prepared By (Initials): KA**
**Methylene Chloride Lot No. 61117**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference to APPL Prep Date and Lot #'s | Exp. Date | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Diesel / Motor Oil STD | Restek | Diesel / Motor Oil CCV | 2,000 | *Perp'd: 10/06/21* A0164485-52822, A0168842-52820, A0166510-52817, CL16893-52835 | **See man. Exp date** | **10/31/2027 12/31/2027 5/31/2026** | 1250uL | 10mL | MC | 250 |

**THC Surrogate**

**Prepared: 10/21/2021** **KA**

**Expires: 5/31/2026**

| Initial Standard Information | | | | | | | Final Standard | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier Part No. | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr.) | Exp. Date (Manufacturer) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| O-terphenyl / Octacosane Mix | Phenova | ALO-130161 | 600 | **CL16893-52842** | **See ma. Date** | **5/31/2026** | N/A | N/A | N/A | 600 |

# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH-Diesel/MO 3520C | Extraction Set | 211028A | Extraction Method | LIQ005 | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | | | Surrogate ID 1 | THC Surrogate 10/21/22-10/21/22 | |
| Spiked ID 2 | | | Surrogate ID 2 | | |
| Spiked ID 3 | | | Surrogate ID 3 | | |
| Spiked ID 4 | | | Surrogate ID 4 | | |
| Spiked ID 5 | | | Surrogate ID 5 | | |
| Spiked ID 6 | | | Sufficient Vol for Matrix QC: | NO | |
| Spiked ID 7 | | | Ext. Start Time: | 10/28/21 12:30 | |
| Spiked ID 8 | | | Ext. End Time: | 10/29/21 6:30 | |

| GC Requires Extract By: | | | | |
|---|---|---|---|---|
| pH1 | 2 | 10/28/21 9:25 | Water Bath Temp 1 °C | 42/41.1 °C |
| pH2 | 2 | 10/29/21 9:22 | Water Bath Temp 2 °C | 38/39.1 |
| pH3 | | | Water Bath Temp 3 °C | 40/39.5 °C |

**Spiked By:** SR **Date** 10/28/2021 **Witnessed By:** JAS **Date** 10/28/2021

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211028A Blk | | | | 0.250 | 1 equip | 1000 E-HP3 E-WB1 | 5 | 2 | 10/28/21 9:27 | |
| 2 | 211028A LCS-1 | | | | 0.250 | 1 equip | 1000 E-HP4 E-WB2 | 5 | 2 | 10/28/21 9:27 | |
| 3 | 211028A LCSD-1 | | | | 0.250 | 1 equip | 1000 E-HP6 E-WB3 | 5 | 2 | 10/28/21 9:27 | |
| 4 | BA44377 | BA44377W01 | | | 0.250 | 1 equip | 1000 E-HP7 E-WB1 | 5 | 2 | 10/28/21 9:27 | 97985 |
| 5 | BA44381 | BA44381W01 | | | 0.250 | 1 equip | 1000 E-HP8 E-WB2 | 5 | 2 | 10/28/21 9:27 | 97984 |
| 6 | BA44382 | BA44382W01 | | | 0.250 | 1 equip | 1000 E-HP9 E-WB3 | 5 | 2 | 10/28/21 9:27 | 97984 |
| 7 | BA44466 | BA44466W01 | | | 0.250 | 1 equip | 1000 E-HP10 E-WB1 | 5 | 2 | 10/29/21 9:24 | 98005 |
| 8 | BA44467 | BA44467W01 | | | 0.250 | 1 equip | 1000 E-HP11 E-WB2 | 5 | 2 | 10/29/21 9:24 | 98005 |
| 9 | BA44468 | BA44468W01 | | | 0.250 | 1 equip | 1000 E-HP12 E-WB3 | 5 | 2 | 10/29/21 9:24 | 98005 |
| 10 | BA44469 | BA44469W01 | | | 0.250 | 1 equip | 1000 E-HP13 E-WB1 | 5 | 2 | 10/29/21 9:24 | 98005 |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 60282 |
| PH Strips | HC155968 |
| Dicholormethane | 61117 |
| Filter Paper | 400196 |
| Sodium Sulfate | 2021071206 |
| | |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | KY |
| GC analyst's initials | CW |
| Date | 11/1/21 |
| Time | 13:16 |
| Refrigerator | Hobart |

| | Technician's Initials |
|---|---|
| Scanned By | SR |
| Sample Preparation | SR |
| Extraction | SR |
| Concentration | DS |

| Modified | 11/3/2021 7:48:28 AM |
|---|---|

**Reviewed By:** KY **Date** 11/3/2021

# Injection Log

Directory: G:\APOLLO\DATA\211028\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 1028003.D | 1 | DMO STD 1 10/28/21 | water | 10-28-21 9:19:03 |
| 2 | 4 | 1028004.D | 1 | DMO STD 2 10/28/21 | water | 10-28-21 9:47:06 |
| 3 | 5 | 1028005.D | 1 | DMO STD 3 10/28/21 | water | 10-28-21 10:15:13 |
| 4 | 6 | 1028006.D | 1 | DMO STD 4 10/28/21 | water | 10-28-21 10:43:31 |
| 5 | 7 | 1028007.D | 1 | DMO STD 5 10/28/21 | water | 10-28-21 11:11:42 |
| 6 | 8 | 1028008.D | 1 | DMO STD 6 10/28/21 | water | 10-28-21 11:39:55 |
| 7 | 9 | 1028009.D | 1 | DMO STD 7 10/28/21 | water | 10-28-21 12:08:10 |
| 8 | 10 | 1028010.D | 1 | DMO Second Source 10/28/21 | water | 10-28-21 12:36:26 |
| 9 | 43 | 1101043.D | 1 | DMO LVL 4 CCV 10/27/21 | water | 11-2-21 12:50:56 |
| 10 | 44 | 1101044.D | 5 | 211028A BLK 5/1000 | water | 11-2-21 13:19:16 |
| 11 | 45 | 1101045.D | 5 | 211028A LCS-1 5/1000 | water | 11-2-21 13:47:33 |
| 12 | 46 | 1101046.D | 5 | 211028A LCSD-1 5/1000 | water | 11-2-21 14:15:56 |
| 13 | 47 | 1101047.D | 5 | BA44377W01 5/1000 | water | 11-2-21 14:44:16 |
| 14 | 60 | 1101060.D | 1 | DMO LVL 4 CCV 10/27/21 | water | 11-2-21 20:52:14 |

# ORGANICS
# Calibration Data

PAH by GCMS SIM
EPA 8270 SIM

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/19/2021
Matrix: Instrument: KYLO Initials: LS

| | | Compound | 0.1 | 0.2 | 0.5 | 1 | 5 | 10 | 50 | 100 | | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1019K002.D | 1019K003.D | 1019K004.D | 1019K005.D | 1019K006.D | 1019K007.D | 1019K008.D | 1019K009.D | | | | | | | | |
| 1 | I | Napthalene-D8(IS) | | | | | | | | | | | | | | | | |
| 2 | TM | Naphthalene | 1.428 | 1.402 | 1.354 | 1.336 | 1.308 | 1.289 | 1.172 | 1.100 | | | 1.3 | 8.6 | TM | | | 0.700 |
| 3 | S | 2-Methylnaphthalene-D10 (2M | 1.359 | 1.337 | 1.324 | 1.305 | 1.316 | 1.159 | 1.222 | 1.192 | | | 1.3 | 5.9 | S | | | |
| 4 | TM | 2-Methylnaphthalene | 0.7868 | 0.7804 | 0.7756 | 0.7764 | 0.7886 | 0.7810 | 0.7175 | 0.6825 | | | 0.76 | 5.1 | TM | | | 0.400 |
| 5 | TM | 1-Methylnaphthalene | 0.8005 | 0.7905 | 0.7931 | 0.7961 | 0.7922 | 0.7806 | 0.7122 | 0.6797 | | | 0.77 | 6.0 | TM | | | |
| 6 | I | Acenaphthene-D10(IS) | | | | | | | | | | | | | | | | |
| 7 | TM | Acenaphthylene | 5.288 | 5.373 | 5.323 | 5.258 | 5.439 | 5.405 | 4.863 | 4.456 | | | 5.2 | 6.6 | TM | | | 0.900 |
| 8 | *TM | Acenaphthene | 1.497 | 1.444 | 1.402 | 1.372 | 1.398 | 1.381 | 1.266 | 1.207 | | | 1.4 | 6.8 | *TM | | | 0.900 |
| 9 | TM | Fluorene | 1.615 | 1.645 | 1.600 | 1.590 | 1.642 | 1.640 | 1.521 | 1.456 | | | 1.6 | 4.2 | TM | | | 0.900 |
| 10 | I | Phenanthrene-D10(IS) | | | | | | | | | | | | | | | | |
| 11 | TM | Phenanthrene | 1.510 | 1.398 | 1.383 | 1.377 | 1.403 | 1.374 | 1.309 | 1.253 | | | 1.4 | 5.4 | TM | | | 0.700 |
| 12 | TM | Anthracene | 1.298 | 1.273 | 1.300 | 1.300 | 1.352 | 1.349 | 1.285 | 1.240 | | | 1.3 | 2.8 | TM | | | 0.700 |
| 13 | S | Fluoranthene-D10 (FRT) | 2.023 | 1.976 | 1.895 | 1.904 | 2.032 | 1.918 | 1.953 | 1.890 | | | 1.9 | 2.9 | S | | | |
| 14 | *TM | Fluoranthene | 2.169 | 2.135 | 2.136 | 2.147 | 2.255 | 2.226 | 2.086 | 1.944 | | | 2.1 | 4.4 | *TM | | | 0.600 |
| 15 | I | Chrysene-D12(IS) | | | | | | | | | | | | | | | | |
| 16 | TM | Pyrene | 1.986 | 2.033 | 1.960 | 1.958 | 1.948 | 1.927 | 1.782 | 1.720 | | | 1.9 | 5.6 | TM | | | 0.600 |
| 17 | TM | Benz (a) anthracene | 1.473 | 1.441 | 1.379 | 1.381 | 1.401 | 1.420 | 1.370 | 1.344 | | | 1.4 | 3.0 | TM | | | 0.800 |
| 18 | TM | Chrysene | 1.754 | 1.672 | 1.608 | 1.574 | 1.554 | 1.516 | 1.410 | 1.375 | | | 1.6 | 8.1 | TM | | | 0.700 |
| 19 | TML | Indeno (1,2,3-cd) pyrene | 1.687 | 1.326 | 1.360 | 1.404 | 1.015 | 1.052 | 1.169 | 1.168 | | | 1.3 | 17 | TM | 1.000 | | 0.500 |
| 20 | I | Perylene-D12(IS) | | | | | | | | | | | | | | | | |
| 21 | TM | Benzo (b) fluoranthene | 1.268 | 1.292 | 1.301 | 1.356 | 1.511 | 1.514 | 1.537 | 1.485 | | | 1.4 | 8.1 | TM | | | 0.700 |
| 22 | TM | Benzo (k) fluoranthene | 1.593 | 1.558 | 1.636 | 1.632 | 1.670 | 1.730 | 1.578 | 1.484 | | | 1.6 | 4.6 | TM | | | 0.700 |
| 23 | *TM | Benzo (a) pyrene | 1.254 | 1.223 | 1.224 | 1.265 | 1.442 | 1.484 | 1.454 | 1.383 | | | 1.3 | 8.3 | *TM | | | 0.700 |
| 24 | TM | Dibenz (a,h) anthracene | 1.360 | 1.209 | 1.221 | 1.273 | 1.398 | 1.395 | 1.399 | 1.353 | | | 1.3 | 6.0 | TM | | | 0.400 |
| 25 | TM | Benzo (g,h,i) perylene | 1.457 | 1.403 | 1.410 | 1.405 | 1.496 | 1.517 | 1.462 | 1.394 | | | 1.4 | 3.2 | TM | | | 0.500 |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K002.D Vial: 2
Acq On : 19 Oct 21 14:09 Operator: LS
Sample : 0.1 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 10962 | 2.50000 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5295 | 2.50000 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8379 | 2.50000 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.63 | 240 | 9693 | 2.50000 | ppb | | 0.01 |
| 20) Perylene-D12(IS) | 12.84 | 264 | 9009 | 2.50000 | ppb | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 298 | 0.05323 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 1.060% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.94 | 212 | 339 | 0.05190 | ppb | | 0.01 |
| Spiked Amount 5.000 | | | Recovery = | 1.040% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 626 | 0.10994 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 345 | 0.10338 | ppb | | 100 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 351 | 0.10422 | ppb | | 99 |
| 7) Acenaphthylene | 5.70 | 152 | 1120 | 0.10217 | ppb | | 100 |
| 8) Acenaphthene | 5.89 | 154 | 317 | 0.10918 | ppb | | 99 |
| 9) Fluorene | 6.49 | 166 | 342 | 0.10165 | ppb | | 96 |
| 11) Phenanthrene | 7.59 | 178 | 506 | 0.10973 | ppb | | 100 |
| 12) Anthracene | 7.65 | 178 | 435 | 0.09988 | ppb | | 97 |
| 14) Fluoranthene | 8.96 | 202 | 727 | 0.10149 | ppb | | 98 |
| 16) Pyrene | 9.22 | 202 | 770 | 0.10375 | ppb | | 99 |
| 17) Benz (a) anthracene | 10.62 | 228 | 571 | 0.10510 | ppb | | 99 |
| 18) Chrysene | 10.66 | 228 | 680 | 0.11258 | ppb | | 96 |
| 19) Indeno (1,2,3-cd) pyrene | 14.41 | 276 | 654 | 0.33399 | ppb | # | 88 |
| 22) Benzo (k) fluoranthene | 12.21 | 252 | 574 | -0.45104 | ppb | | 97 |
| 23) Benzo (a) pyrene | 12.75 | 252 | 452 | -0.17190 | ppb | | 95 |
| 24) Dibenz (a,h) anthracene | 14.45 | 278 | 490 | -0.04905 | ppb | | 95 |
| 25) Benzo (g,h,i) perylene | 14.71 | 276 | 525 | -0.23039 | ppb | | 98 |

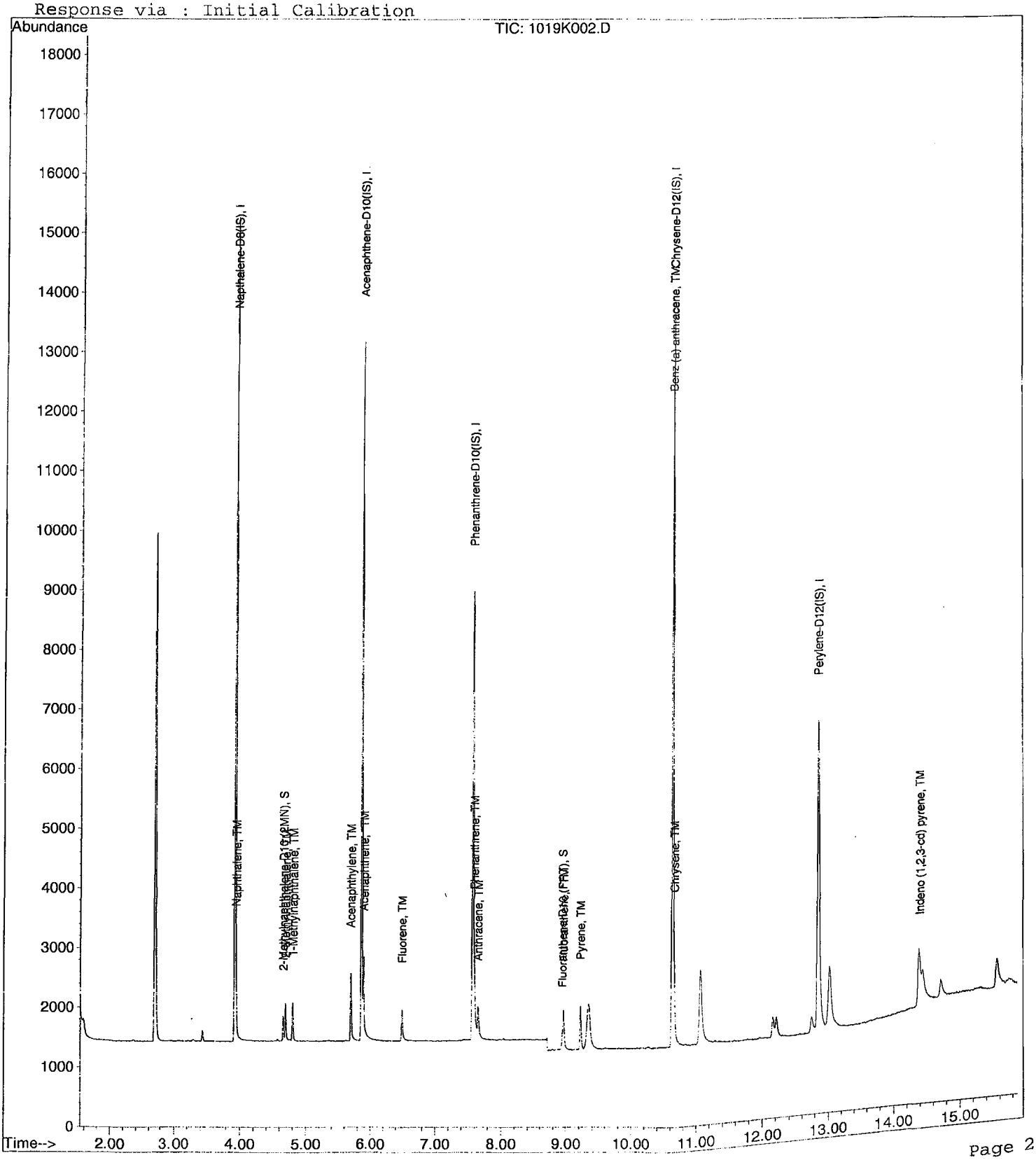
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K002.D  Vial: 2
Acq On : 19 Oct 21 14:09  Operator: LS
Sample : 0.1 ug/ml 10/13/21  Inst : KYLO
Misc :  Multiplr: 1.00

Quant Time: Oct 19 15:48 2021  Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K003.D Vial: 3
Acq On : 19 Oct 21 14:29 Operator: LS
Sample : 0.2 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11180 | 2.50000 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5495 | 2.50000 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8995 | 2.50000 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.63 | 240 | 9881 | 2.50000 | ppb | | 0.01 |
| 20) Perylene-D12(IS) | 12.84 | 264 | 8688 | 2.50000 | ppb | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 598 | 0.10474 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 2.100% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.94 | 212 | 711 | 0.10140 | ppb | | 0.01 |
| Spiked Amount 5.000 | | | Recovery = | 2.020% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 1254 | 0.21593 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 698 | 0.20508 | ppb | | 96 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 707 | 0.20582 | ppb | | 98 |
| 7) Acenaphthylene | 5.69 | 152 | 2362 | 0.20763 | ppb | | 100 |
| 8) Acenaphthene | 5.89 | 154 | 635 | 0.21074 | ppb | | 99 |
| 9) Fluorene | 6.49 | 166 | 723 | 0.20706 | ppb | | 100 |
| 11) Phenanthrene | 7.59 | 178 | 1006 | 0.20323 | ppb | | 100 |
| 12) Anthracene | 7.65 | 178 | 916 | 0.19592 | ppb | | 99 |
| 14) Fluoranthene | 8.96 | 202 | 1536 | 0.19974 | ppb | | 97 |
| 16) Pyrene | 9.21 | 202 | 1607 | 0.21241 | ppb | | 99 |
| 17) Benz (a) anthracene | 10.62 | 228 | 1139 | 0.20566 | ppb | | 98 |
| 18) Chrysene | 10.66 | 228 | 1322 | 0.21470 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.40 | 276 | 1048 | 0.41647 | ppb | # | 98 |
| 21) Benzo (b) fluoranthene | 12.16 | 252 | 898 | 0.06057 | ppb | | 98 |
| 22) Benzo (k) fluoranthene | 12.21 | 252 | 1083 | -0.34909 | ppb | | 97 |
| 23) Benzo (a) pyrene | 12.74 | 252 | 850 | -0.08634 | ppb | | 97 |
| 25) Benzo (g,h,i) perylene | 14.71 | 276 | 975 | -0.13423 | ppb | | 96 |

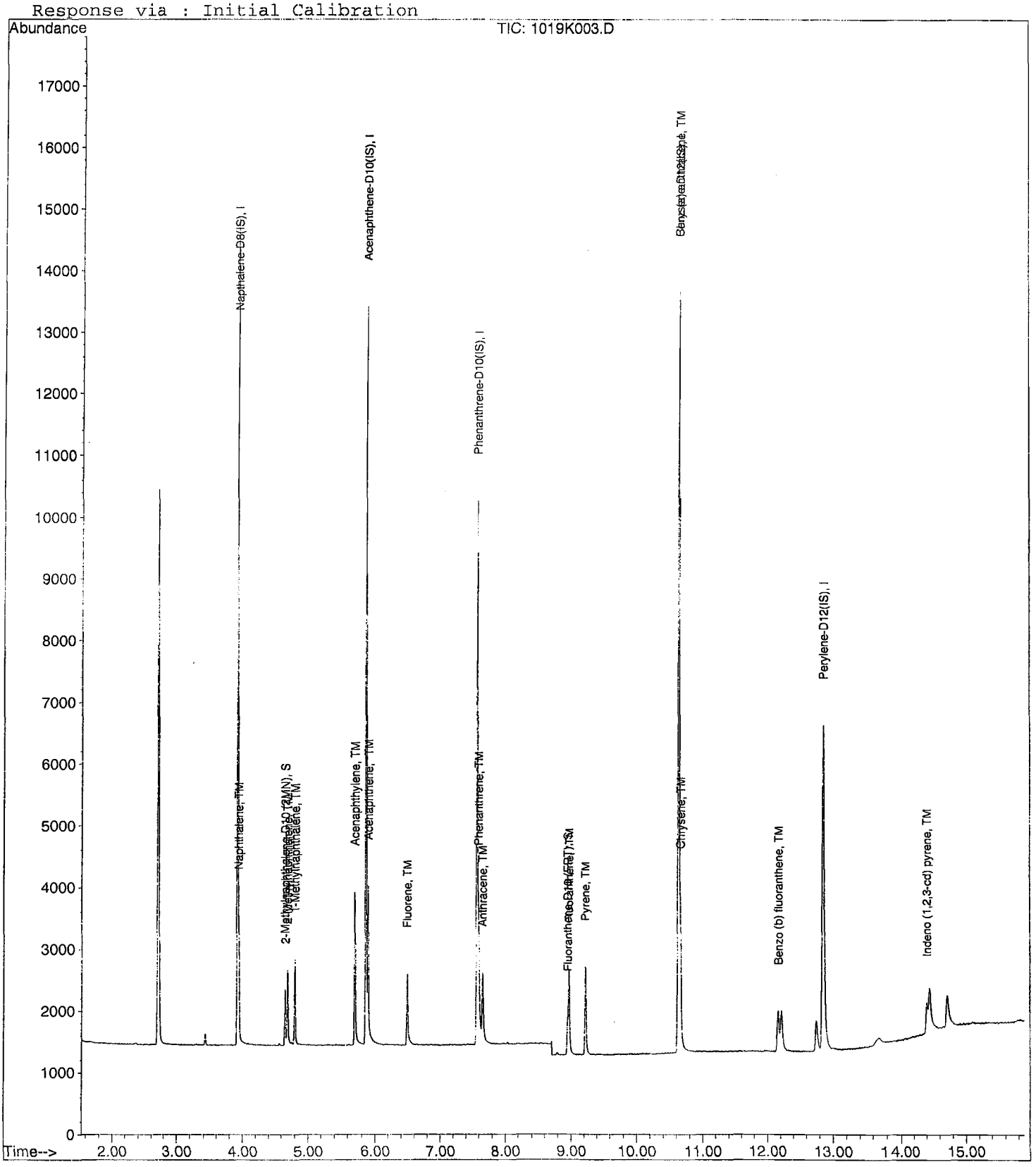
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K003.D  Vial: 3
Acq On : 19 Oct 21 14:29  Operator: LS
Sample : 0.2 ug/ml 10/13/21  Inst : KYLO
Misc :  Multiplr: 1.00

Quant Time: Oct 19 15:48 2021  Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K004.D Vial: 4
Acq On : 19 Oct 21 14:49 Operator: LS
Sample : 0.5 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11385 | 2.50000 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5536 | 2.50000 ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8686 | 2.50000 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.62 | 240 | 9708 | 2.50000 ppb | 0.00 |
| 20) Perylene-D12(IS) | 12.84 | 264 | 8669 | 2.50000 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 1507 | 0.25921 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 5.180% | |
| 13) Fluoranthene-D10 (FRT) | 8.94 | 212 | 1646 | 0.24309 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 4.860% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 3083 | 0.52131 ppb | 99 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 1766 | 0.50952 ppb | 99 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 1806 | 0.51630 ppb | 96 |
| 7) Acenaphthylene | 5.69 | 152 | 5894 | 0.51427 ppb | 100 |
| 8) Acenaphthene | 5.89 | 154 | 1552 | 0.51126 ppb | 100 |
| 9) Fluorene | 6.49 | 166 | 1772 | 0.50373 ppb | 99 |
| 11) Phenanthrene | 7.59 | 178 | 2402 | 0.50250 ppb | 99 |
| 12) Anthracene | 7.65 | 178 | 2259 | 0.50035 ppb | 99 |
| 14) Fluoranthene | 8.96 | 202 | 3711 | 0.49974 ppb | 99 |
| 16) Pyrene | 9.21 | 202 | 3805 | 0.51191 ppb | 98 |
| 17) Benz (a) anthracene | 10.61 | 228 | 2678 | 0.49216 ppb | 99 |
| 18) Chrysene | 10.65 | 228 | 3122 | 0.51607 ppb | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.39 | 276 | 2640 | 0.77101 ppb # | 97 |
| 21) Benzo (b) fluoranthene | 12.15 | 252 | 2255 | 0.32301 ppb | 100 |
| 23) Benzo (a) pyrene | 12.74 | 252 | 2122 | 0.17741 ppb | 99 |
| 24) Dibenz (a,h) anthracene | 14.43 | 278 | 2117 | 0.29983 ppb | 99 |
| 25) Benzo (g,h,i) perylene | 14.70 | 276 | 2445 | 0.16843 ppb | 100 |

(#) = qualifier out of range (m) = manual integration

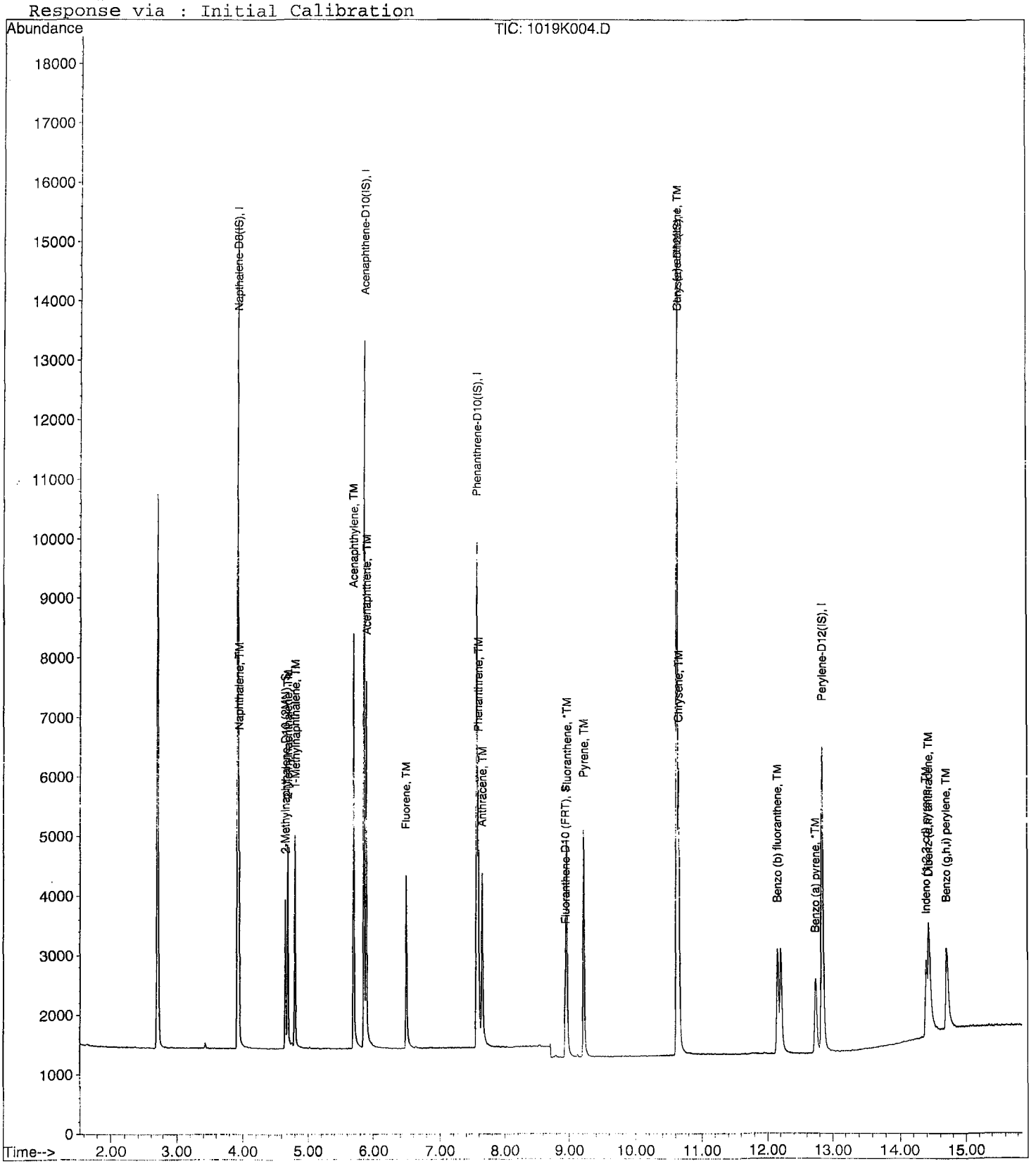
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K004.D
Acq On : 19 Oct 21 14:49
Sample : 0.5 ug/ml 10/13/21
Misc :

Vial: 4
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K005.D Vial: 5
Acq On : 19 Oct 21 15:09 Operator: LS
Sample : 1 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11032 | 2.50000 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5365 | 2.50000 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8424 | 2.50000 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.63 | 240 | 9455 | 2.50000 | ppb | | 0.01 |
| 20) Perylene-D12(IS) | 12.84 | 264 | 8423 | 2.50000 | ppb | | 0.01 |
| System Monitoring Compounds | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 2880 | 0.51122 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 10.220% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.94 | 212 | 3208 | 0.48851 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 9.780% | | | |
| Target Compounds | | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 5894 | 1.02851 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 3426 | 1.02008 | ppb | | 99 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 3513 | 1.03643 | ppb | | 98 |
| 7) Acenaphthylene | 5.70 | 152 | 11284 | 1.01594 | ppb | | 99 |
| 8) Acenaphthene | 5.89 | 154 | 2945 | 1.00106 | ppb | | 97 |
| 9) Fluorene | 6.49 | 166 | 3412 | 1.00086 | ppb | | 99 |
| 11) Phenanthrene | 7.59 | 178 | 4641 | 1.00109 | ppb | | 99 |
| 12) Anthracene | 7.65 | 178 | 4379 | 1.00008 | ppb | | 100 |
| 14) Fluoranthene | 8.96 | 202 | 7234 | 1.00447 | ppb | | 100 |
| 16) Pyrene | 9.21 | 202 | 7407 | 1.02317 | ppb | | 99 |
| 17) Benz (a) anthracene | 10.61 | 228 | 5224 | 0.98576 | ppb | | 99 |
| 18) Chrysene | 10.65 | 228 | 5954 | 1.01055 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.39 | 276 | 5309 | 1.38990 | ppb | # | 90 |
| 21) Benzo (b) fluoranthene | 12.15 | 252 | 4568 | 0.79546 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.21 | 252 | 5497 | 0.53419 | ppb | | 98 |
| 23) Benzo (a) pyrene | 12.74 | 252 | 4263 | 0.64650 | ppb | | 99 |
| 24) Dibenz (a,h) anthracene | 14.44 | 278 | 4288 | 0.78667 | ppb | | 99 |
| 25) Benzo (g,h,i) perylene | 14.71 | 276 | 4733 | 0.66726 | ppb | | 99 |

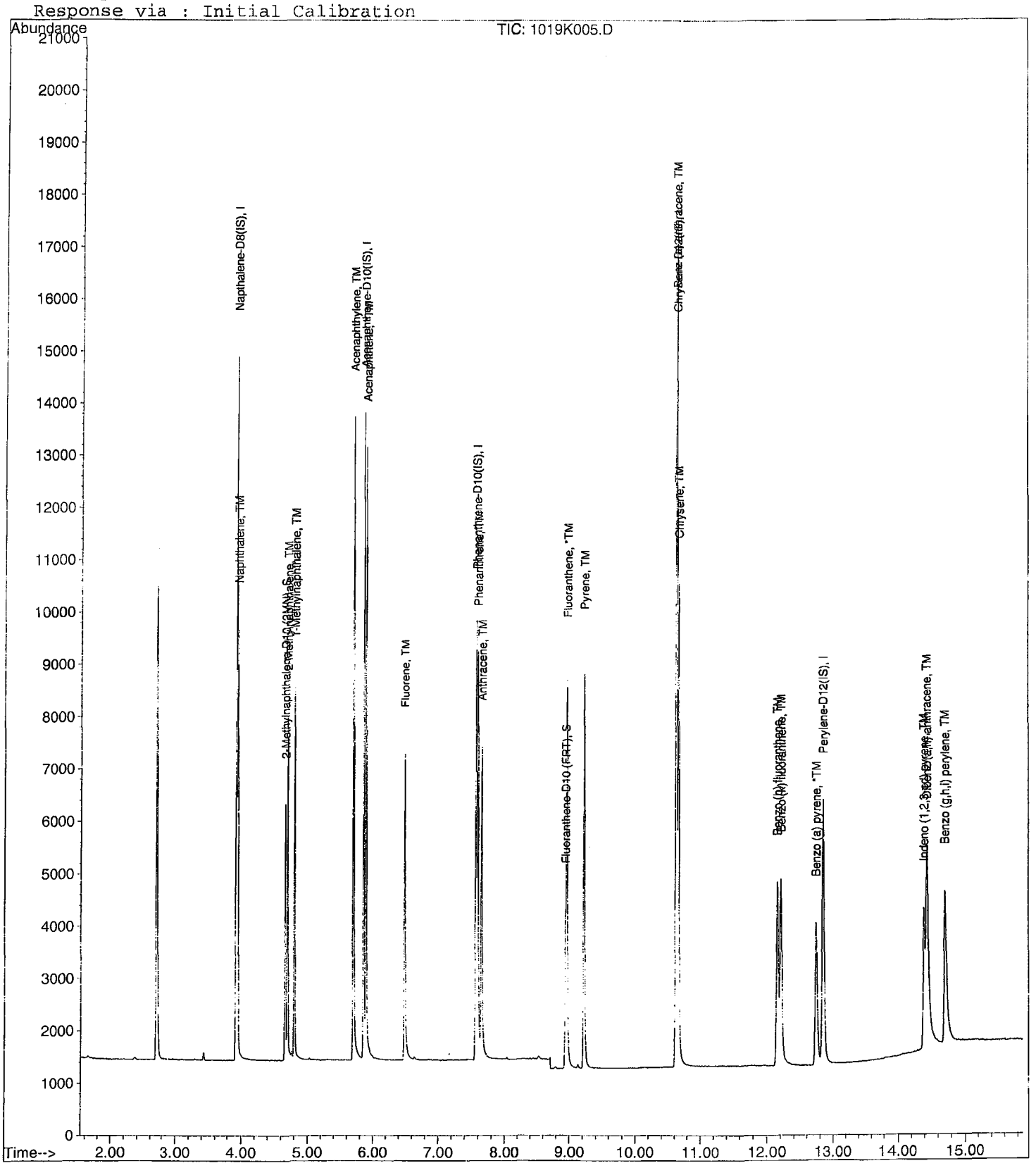
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K005.D Vial: 5
Acq On : 19 Oct 21 15:09 Operator: LS
Sample : 1 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K006.D Vial: 6
Acq On : 19 Oct 21 15:29 Operator: LS
Sample : 5 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

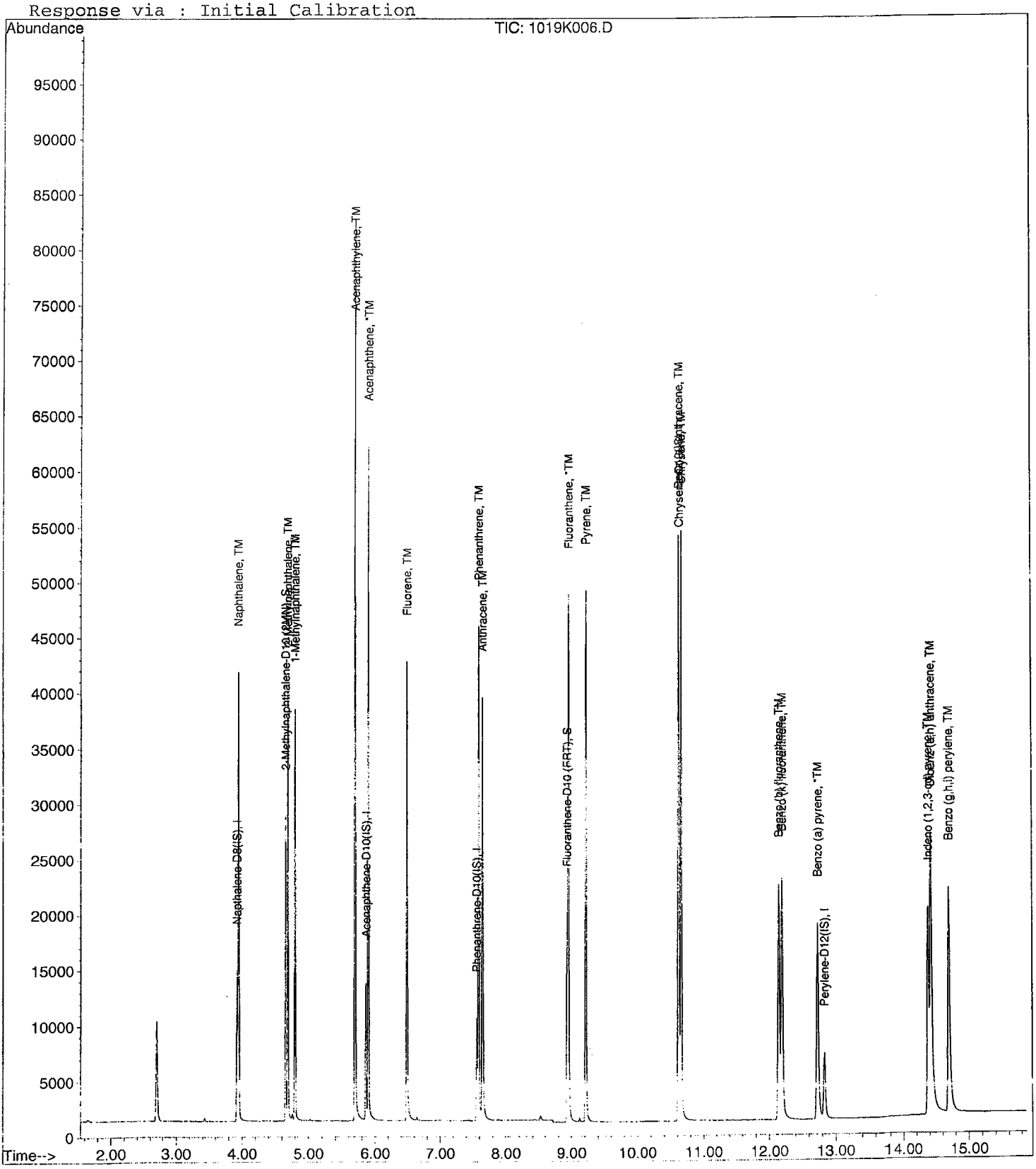
| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11022 | 2.50000 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5414 | 2.50000 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8482 | 2.50000 | ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.62 | 240 | 10015 | 2.50000 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 12.83 | 264 | 8704 | 2.50000 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 14500 | 2.57619 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 51.520% | | |
| 13) Fluoranthene-D10 (FRT) | 8.93 | 212 | 17235 | 2.60659 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 52.140% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 28832 | 5.03578 | ppb | 100 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 17384 | 5.18072 | ppb | 100 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 17464 | 5.15700 | ppb | 100 |
| 7) Acenaphthylene | 5.69 | 152 | 58890 | 5.25410 | ppb | 100 |
| 8) Acenaphthene | 5.89 | 154 | 15136 | 5.09845 | ppb | 100 |
| 9) Fluorene | 6.49 | 166 | 17780 | 5.16829 | ppb | 100 |
| 11) Phenanthrene | 7.59 | 178 | 23796 | 5.09785 | ppb | 100 |
| 12) Anthracene | 7.64 | 178 | 22931 | 5.20117 | ppb | 100 |
| 14) Fluoranthene | 8.95 | 202 | 38260 | 5.27621 | ppb | 100 |
| 16) Pyrene | 9.21 | 202 | 39012 | 5.08763 | ppb | 100 |
| 17) Benz (a) anthracene | 10.61 | 228 | 28070 | 5.00058 | ppb | 100 |
| 18) Chrysene | 10.65 | 228 | 31118 | 4.98620 | ppb | 100 |
| 19) Indeno (1,2,3-cd) pyrene | 14.38 | 276 | 20323 | 4.52699 | ppb | 100 |
| 21) Benzo (b) fluoranthene | 12.14 | 252 | 26309 | 4.94784 | ppb | 100 |
| 22) Benzo (k) fluoranthene | 12.19 | 252 | 29066 | 5.02910 | ppb | 100 |
| 23) Benzo (a) pyrene | 12.73 | 252 | 25103 | 4.91484 | ppb | 100 |
| 24) Dibenz (a,h) anthracene | 14.42 | 278 | 24331 | 4.98885 | ppb | 100 |
| 25) Benzo (g,h,i) perylene | 14.69 | 276 | 26049 | 4.99985 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\KYLO\DATA\211019\1019K006.D Vial: 6
Acq On : 19 Oct 21 15:29 Operator: LS
Sample : 5 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:48 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K007.D Vial: 7
Acq On : 19 Oct 21 15:49 Operator: LS
Sample : 10 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:49 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11510 | 2.50000 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5675 | 2.50000 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8972 | 2.50000 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.62 | 240 | 10664 | 2.50000 | ppb | | 0.00 |
| 20) Perylene-D12(IS) | 12.83 | 264 | 9232 | 2.50000 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 26676 | 4.53854 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 90.780% | | | | |
| 13) Fluoranthene-D10 (FRT) | 8.93 | 212 | 34413 | 4.92032 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 98.400% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 59354 | 9.92720 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 35959 | 10.26203 | ppb | | 100 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 35938 | 10.16232 | ppb | | 100 |
| 7) Acenaphthylene | 5.69 | 152 | 122704 | 10.44402 | ppb | | 100 |
| 8) Acenaphthene | 5.89 | 154 | 31359 | 10.07724 | ppb | | 99 |
| 9) Fluorene | 6.49 | 166 | 37236 | 10.32596 | ppb | | 99 |
| 11) Phenanthrene | 7.59 | 178 | 49310 | 9.98682 | ppb | | 100 |
| 12) Anthracene | 7.64 | 178 | 48395 | 10.37738 | ppb | | 100 |
| 14) Fluoranthene | 8.95 | 202 | 79898 | 10.41651 | ppb | | 100 |
| 16) Pyrene | 9.21 | 202 | 82191 | 10.06635 | ppb | | 100 |
| 17) Benz (a) anthracene | 10.61 | 228 | 60563 | 10.13248 | ppb | | 100 |
| 18) Chrysene | 10.65 | 228 | 64649 | 9.72861 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.38 | 276 | 44868 | 9.18248 | ppb | # | 99 |
| 21) Benzo (b) fluoranthene | 12.14 | 252 | 55900 | 10.02449 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.19 | 252 | 63873 | 11.01716 | ppb | | 99 |
| 23) Benzo (a) pyrene | 12.73 | 252 | 54783 | 10.38939 | ppb | | 99 |
| 24) Dibenz (a,h) anthracene | 14.42 | 278 | 51533 | 10.11061 | ppb | | 98 |
| 25) Benzo (g,h,i) perylene | 14.69 | 276 | 56013 | 10.47964 | ppb | | 98 |

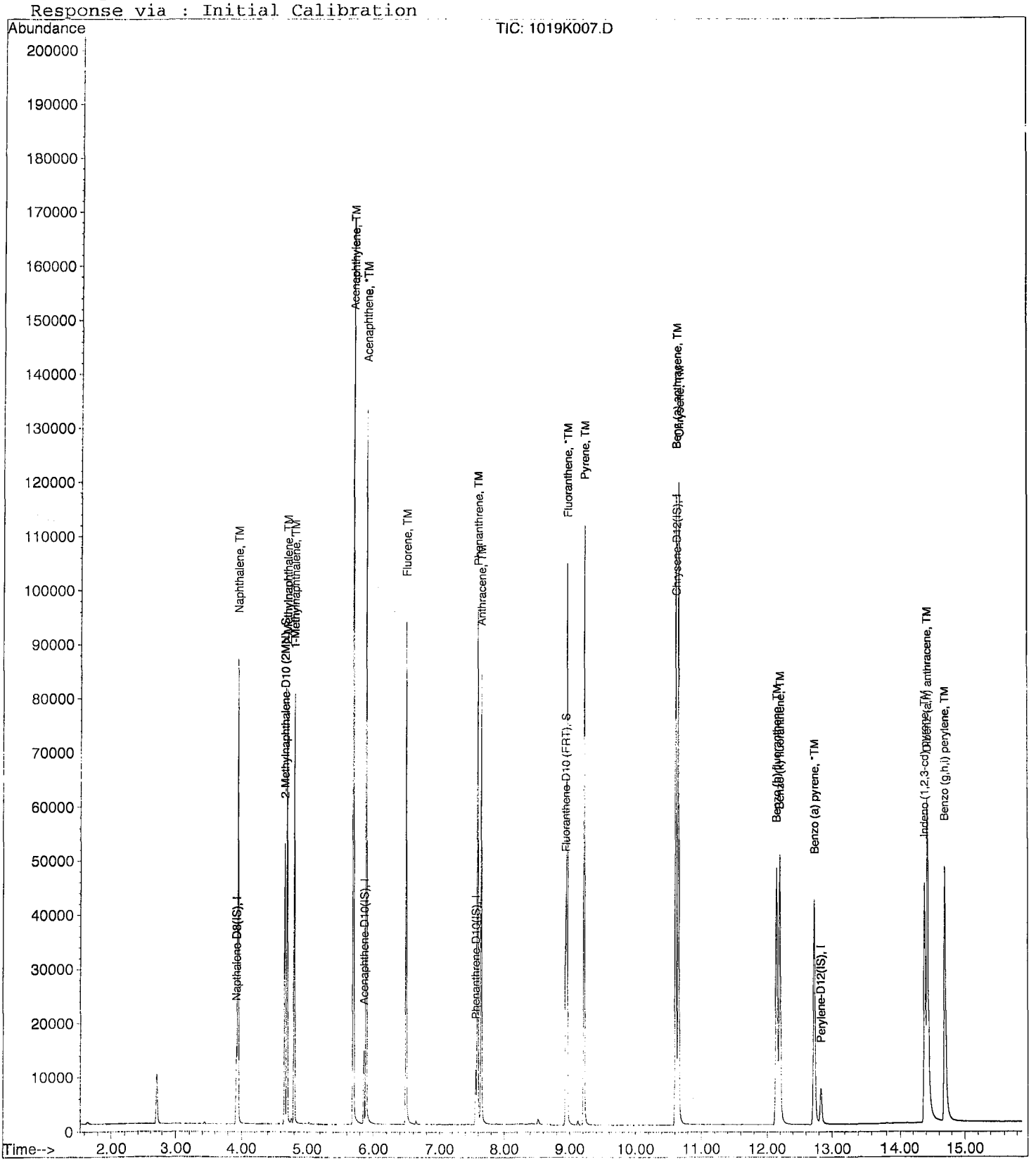
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K007.D Vial: 7
Acq On : 19 Oct 21 15:49 Operator: LS
Sample : 10 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:49 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K008.D Vial: 8
Acq On : 19 Oct 21 16:09 Operator: LS
Sample : 50 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:49 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11542 | 2.50000 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5767 | 2.50000 ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8902 | 2.50000 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.62 | 240 | 10648 | 2.50000 ppb | 0.00 |
| 20) Perylene-D12(IS) | 12.83 | 264 | 9592 | 2.50000 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 140995 | 23.92178 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 478.440% | | |
| 13) Fluoranthene-D10 (FRT) | 8.93 | 212 | 173855 | 25.05302 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 501.060% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 270597 | 45.13299 ppb | 100 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 165624 | 47.13496 ppb | 99 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 164402 | 46.35966 ppb | 99 |
| 7) Acenaphthylene | 5.70 | 152 | 560845 | 46.97510 ppb | 100 |
| 8) Acenaphthene | 5.89 | 154 | 145964 | 46.15736 ppb | 99 |
| 9) Fluorene | 6.49 | 166 | 175391 | 47.86199 ppb | 100 |
| 11) Phenanthrene | 7.59 | 178 | 233010 | 47.56290 ppb | 100 |
| 12) Anthracene | 7.64 | 178 | 228704 | 49.42683 ppb | 100 |
| 14) Fluoranthene | 8.96 | 202 | 371445 | 48.80706 ppb | 99 |
| 16) Pyrene | 9.21 | 202 | 379423 | 46.53971 ppb | 98 |
| 17) Benz (a) anthracene | 10.61 | 228 | 291856 | 48.90228 ppb | 100 |
| 18) Chrysene | 10.65 | 228 | 300277 | 45.25466 ppb | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.38 | 276 | 248943 | 50.15933 ppb | 94 |
| 21) Benzo (b) fluoranthene | 12.15 | 252 | 294828 | 51.34534 ppb | 99 |
| 22) Benzo (k) fluoranthene | 12.20 | 252 | 302763 | 52.24864 ppb | 100 |
| 23) Benzo (a) pyrene | 12.73 | 252 | 278840 | 51.91758 ppb | 100 |
| 24) Dibenz (a,h) anthracene | 14.42 | 278 | 268409 | 51.28254 ppb | 97 |
| 25) Benzo (g,h,i) perylene | 14.70 | 276 | 280479 | 51.78283 ppb | 99 |

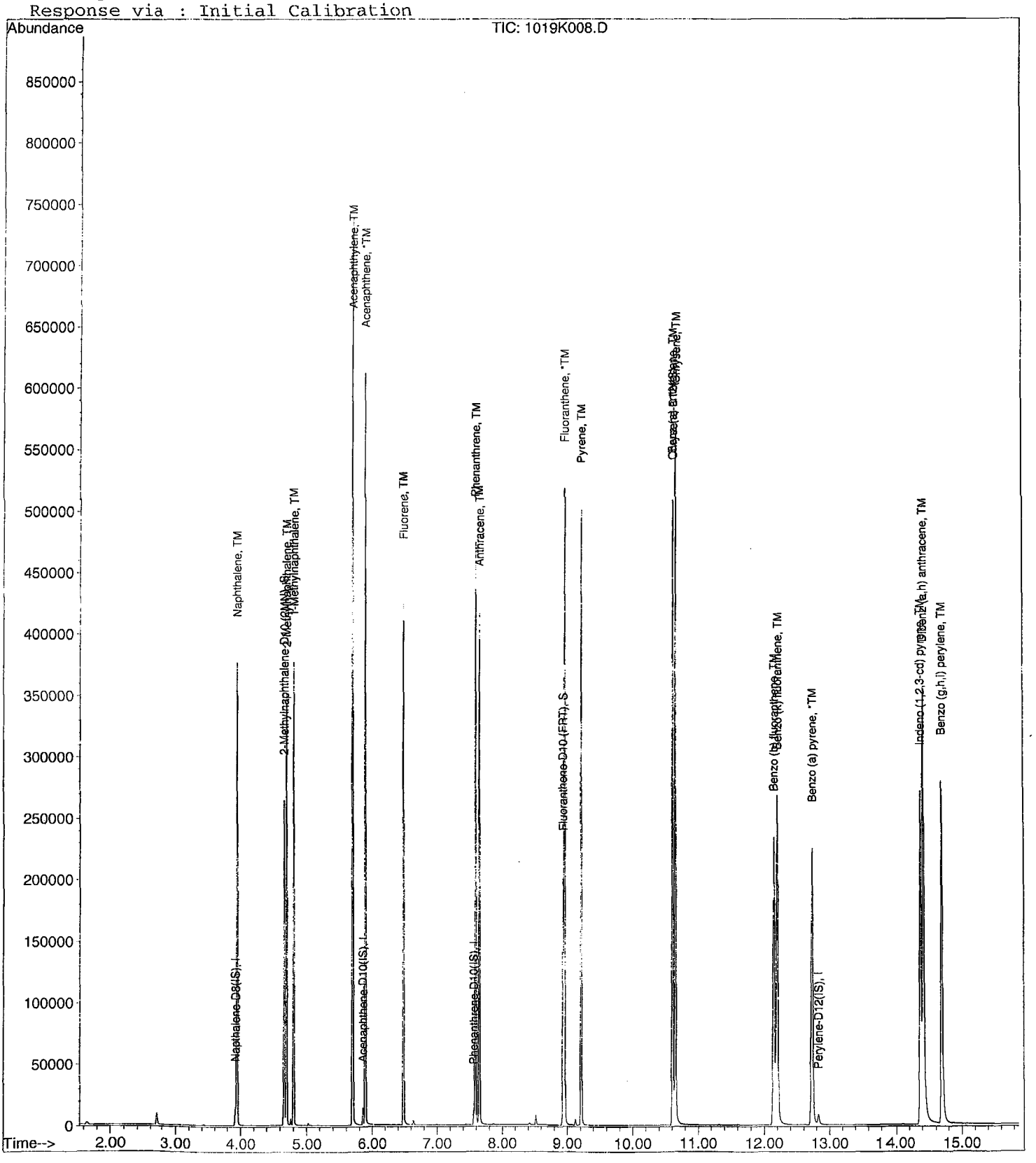
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K008.D  Vial: 8
Acq On : 19 Oct 21 16:09  Operator: LS
Sample : 50 ug/ml 10/13/21  Inst : KYLO
Misc :  Multiplr: 1.00

Quant Time: Oct 19 15:49 2021  Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K009.D Vial: 9
Acq On : 19 Oct 21 16:29 Operator: LS
Sample : 100 ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 15:49 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:47:23 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11679 | 2.50000 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5877 | 2.50000 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 9024 | 2.50000 | ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.63 | 240 | 10469 | 2.50000 | ppb | 0.01 |
| 20) Perylene-D12(IS) | 12.83 | 264 | 9899 | 2.50000 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 278374 | 46.67602 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 933.520% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.94 | 212 | 341108 | 48.49012 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 969.800% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 514066 | 84.73550 | ppb | 100 |
| 4) 2-Methylnaphthalene | 4.70 | 142 | 318816 | 89.66757 | ppb | 99 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 317528 | 88.48927 | ppb | 98 |
| 7) Acenaphthylene | 5.70 | 152 | 1047512 | 86.09505 | ppb | 98 |
| 8) Acenaphthene | 5.90 | 154 | 283708 | 88.03615 | ppb | 94 |
| 9) Fluorene | 6.49 | 166 | 342219 | 91.63932 | ppb | 99 |
| 11) Phenanthrene | 7.59 | 178 | 452383 | 91.09374 | ppb | 99 |
| 12) Anthracene | 7.65 | 178 | 447639 | 95.43451 | ppb | 100 |
| 14) Fluoranthene | 8.96 | 202 | 701599 | 90.94222 | ppb | 97 |
| 16) Pyrene | 9.22 | 202 | 720167 | 89.84545 | ppb | 99 |
| 17) Benz (a) anthracene | 10.62 | 228 | 562838 | 95.91946 | ppb | 99 |
| 18) Chrysene | 10.66 | 228 | 575910 | 88.27926 | ppb | 98 |
| 19) Indeno (1,2,3-cd) pyrene | 14.39 | 276 | 488982 | 100.01982 | ppb | 89 |
| 21) Benzo (b) fluoranthene | 12.16 | 252 | 587997 | 99.33083 | ppb | 100 |
| 22) Benzo (k) fluoranthene | 12.16 | 252 | 587786 | 98.78137 | ppb | 99 |
| 23) Benzo (a) pyrene | 12.74 | 252 | 547488 | 99.01252 | ppb | 98 |
| 24) Dibenz (a,h) anthracene | 14.43 | 278 | 535891 | 99.35185 | ppb | 94 |
| 25) Benzo (g,h,i) perylene | 14.71 | 276 | 552068 | 99.06661 | ppb | 98 |

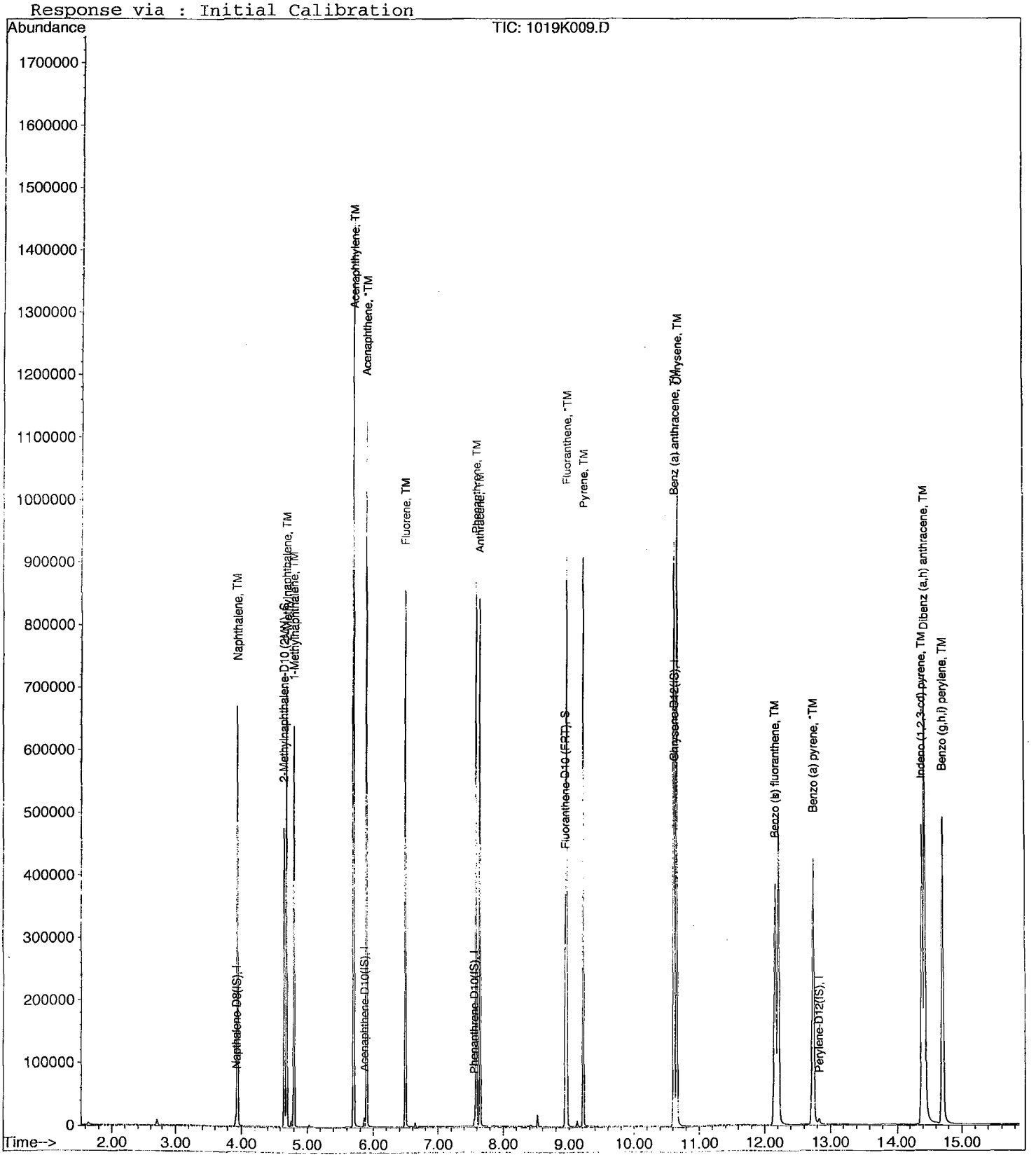
(#) = qualifier out of range (m) = manual integration

Data File : M:\KYLO\DATA\211019\1019K009.D
Acq On : 19 Oct 21 16:29
Sample : 100 ug/ml 10/13/21
Misc :

Vial: 9
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Oct 19 15:49 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

## Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No:
Date Analyzed: 10/19/2021
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K010.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | TM | Naphthalene | 1.299 | 1.295 | 0.25 | TM | |
| 2 | TM | 2-Methylnaphthalene | 0.7611 | 0.7635 | 0.32 | TM | |
| 3 | TM | 1-Methylnaphthalene | 0.7681 | 0.7563 | 1.5 | TM | |
| 4 | TM | Acenaphthylene | 5.176 | 5.272 | 1.9 | TM | |
| 5 | *TM | Acenaphthene | 1.371 | 1.393 | 1.6 | *TM | |
| 6 | TM | Fluorene | 1.589 | 1.616 | 1.7 | TM | |
| 7 | TM | Phenanthrene | 1.376 | 1.380 | 0.31 | TM | |
| 8 | TM | Anthracene | 1.299 | 1.415 | 8.9 | TM | |
| 9 | *TM | Fluoranthene | 2.137 | 2.167 | 1.4 | *TM | |
| 10 | TM | Pyrene | 1.914 | 1.918 | 0.21 | TM | |
| 11 | TM | Benz (a) anthracene | 1.401 | 1.374 | 1.9 | TM | |
| 12 | TM | Chrysene | 1.558 | 1.488 | 4.5 | TM | |
| 13 | TML | Indeno (1,2,3-cd) pyrene | 1.272 | 0.9799 | 23 | TML | 12 |
| 14 | TM | Benzo (b) fluoranthene | 1.408 | 1.510 | 7.3 | TM | |
| 15 | TM | Benzo (k) fluoranthene | 1.610 | 1.698 | 5.5 | TM | |
| 16 | *TM | Benzo (a) pyrene | 1.341 | 1.484 | 11 | *TM | |
| 17 | TM | Dibenz (a,h) anthracene | 1.326 | 1.382 | 4.2 | TM | |
| 18 | TM | Benzo (g,h,i) perylene | 1.443 | 1.486 | 3.0 | TM | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| | | Average | | | 4.4 | | |

PAH by GCMS SIM
EPA 8270 SIM

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K010.D Vial: 10
Acq On : 19 Oct 21 16:49 Operator: LS
Sample : SS ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 16:06 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Oct 19 16:51:19 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.92 | 136 | 11540 | 2.50000 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.86 | 164 | 5722 | 2.50000 ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.56 | 188 | 8843 | 2.50000 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.62 | 240 | 10394 | 2.50000 ppb | 0.00 |
| 20) Perylene-D12(IS) | 12.83 | 264 | 8800 | 2.50000 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.66 | 152 | 1 | 0.00017 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 0.000% | |
| 13) Fluoranthene-D10 (FRT) | 8.93 | 212 | 9 | 0.00131 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 0.020% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 3.94 | 128 | 29897 | 4.98740 ppb | 100 |
| 4) 2-Methylnaphthalene | 4.69 | 142 | 17622 | 5.01592 ppb | 100 |
| 5) 1-Methylnaphthalene | 4.80 | 142 | 17455 | 4.92298 ppb | 100 |
| 7) Acenaphthylene | 5.69 | 152 | 60338 | 5.09352 ppb | 100 |
| 8) Acenaphthene | 5.89 | 154 | 15936 | 5.07898 ppb | 100 |
| 9) Fluorene | 6.49 | 166 | 18488 | 5.08482 ppb | 100 |
| 11) Phenanthrene | 7.59 | 178 | 24407 | 5.01529 ppb | 100 |
| 12) Anthracene | 7.64 | 178 | 25019 | 5.44311 ppb | 100 |
| 14) Fluoranthene | 8.95 | 202 | 38328 | 5.06982 ppb | 99 |
| 16) Pyrene | 9.21 | 202 | 39873 | 5.01031 ppb | 100 |
| 17) Benz (a) anthracene | 10.61 | 228 | 28567 | 4.90355 ppb | 99 |
| 18) Chrysene | 10.65 | 228 | 30939 | 4.77675 ppb | 100 |
| 19) Indeno (1,2,3-cd) pyrene | 14.38 | 276 | 20371 | 4.37871 ppb | 99 |
| 21) Benzo (b) fluoranthene | 12.14 | 252 | 26577 | 5.36265 ppb | 100 |
| 22) Benzo (k) fluoranthene | 12.19 | 252 | 29888 | 5.27373 ppb | 100 |
| 23) Benzo (a) pyrene | 12.73 | 252 | 26127 | 5.53492 ppb | 100 |
| 24) Dibenz (a,h) anthracene | 14.42 | 278 | 24324 | 5.21145 ppb | 99 |
| 25) Benzo (g,h,i) perylene | 14.69 | 276 | 26159 | 5.14999 ppb | 100 |

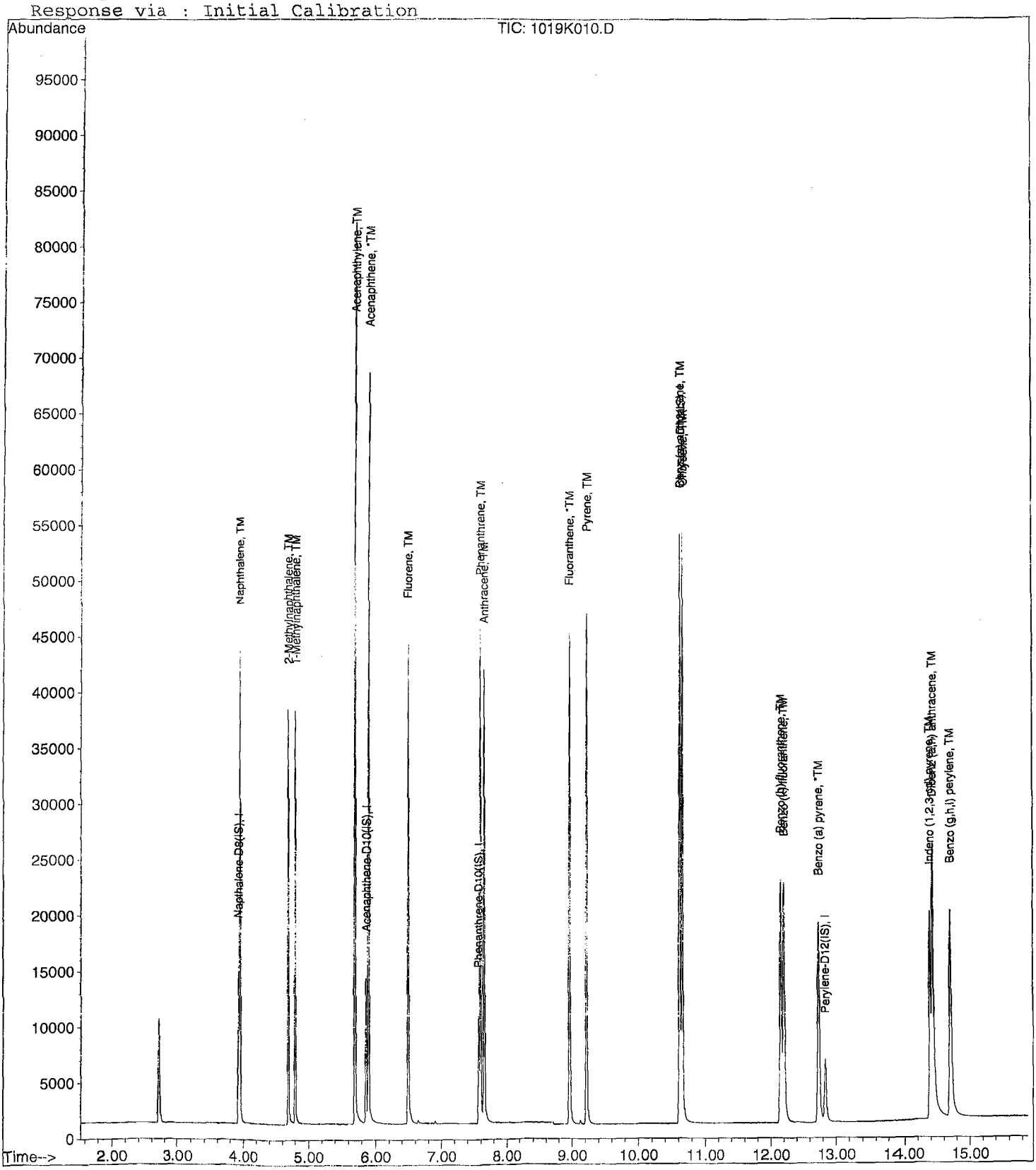
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K010.D Vial: 10
Acq On : 19 Oct 21 16:49 Operator: LS
Sample : SS ug/ml 10/13/21 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Oct 19 16:06 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 09 10:14:45 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No:
Date Analyzed: 3 Nov 21 8:45
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K236.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | |
| 2 | TM | Naphthalene | 1.299 | 1.319 | 1.6 | TM | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.277 | 1.280 | 0.24 | S | |
| 4 | TM | 2-Methylnaphthalene | 0.7611 | 0.8011 | 5.3 | TM | |
| 5 | TM | 1-Methylnaphthalene | 0.7681 | 0.8005 | 4.2 | TM | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | |
| 7 | TM | Acenaphthylene | 5.176 | 5.419 | 4.7 | TM | |
| 8 | *TM | Acenaphthene | 1.371 | 1.438 | 4.9 | *TM | |
| 9 | TM | Fluorene | 1.589 | 1.699 | 6.9 | TM | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | |
| 11 | TM | Phenanthrene | 1.376 | 1.472 | 7.0 | TM | |
| 12 | TM | Anthracene | 1.299 | 1.379 | 6.1 | TM | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.949 | 1.985 | 1.8 | S | |
| 14 | *TM | Fluoranthene | 2.137 | 2.321 | 8.6 | *TM | |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | |
| 16 | TM | Pyrene | 1.914 | 2.020 | 5.5 | TM | |
| 17 | TM | Benz (a) anthracene | 1.401 | 1.523 | 8.7 | TM | |
| 18 | TM | Chrysene | 1.558 | 1.557 | 0.06 | TM | |
| 19 | TML | Indeno (1,2,3-cd) pyrene | 1.272 | 1.182 | 7.1 | TML | 4.9 |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | |
| 21 | TM | Benzo (b) fluoranthene | 1.408 | 1.558 | 11 | TM | |
| 22 | TM | Benzo (k) fluoranthene | 1.610 | 1.636 | 1.6 | TM | |
| 23 | *TM | Benzo (a) pyrene | 1.341 | 1.432 | 6.8 | *TM | |
| 24 | TM | Dibenz (a,h) anthracene | 1.326 | 1.377 | 3.9 | TM | |
| 25 | TM | Benzo (g,h,i) perylene | 1.443 | 1.511 | 4.7 | TM | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 5.0 | | |

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K236.D Vial: 86
Acq On : 3 Nov 21 8:45 Operator: LS
Sample : 5 ug/ml 10/19/21 (1) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 9:01 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.89 | 136 | 13706 | 2.50000 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 6715 | 2.50000 ppb | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 10377 | 2.50000 ppb | -0.03 |
| 15) Chrysene-D12(IS) | 10.58 | 240 | 12277 | 2.50000 ppb | -0.04 |
| 20) Perylene-D12(IS) | 12.76 | 264 | 11342 | 2.50000 ppb | -0.07 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 17540 | 2.50605 ppb | -0.03 |
| Spiked Amount 5.000 | | | Recovery | = 50.120% | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 20596 | 2.54608 ppb | -0.04 |
| Spiked Amount 5.000 | | | Recovery | = 50.920% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 3.91 | 128 | 36157 | 5.07848 ppb | 100 |
| 4) 2-Methylnaphthalene | 4.66 | 142 | 21961 | 5.26311 ppb | 99 |
| 5) 1-Methylnaphthalene | 4.77 | 142 | 21944 | 5.21098 ppb | 98 |
| 7) Acenaphthylene | 5.66 | 152 | 72780 | 5.23529 ppb | 100 |
| 8) Acenaphthene | 5.86 | 154 | 19312 | 5.24477 ppb | 97 |
| 9) Fluorene | 6.45 | 166 | 22815 | 5.34697 ppb | 99 |
| 11) Phenanthrene | 7.55 | 178 | 30540 | 5.34784 ppb | 99 |
| 12) Anthracene | 7.61 | 178 | 28624 | 5.30683 ppb | 99 |
| 14) Fluoranthene | 8.92 | 202 | 48165 | 5.42919 ppb | 100 |
| 16) Pyrene | 9.17 | 202 | 49593 | 5.27590 ppb | 99 |
| 17) Benz (a) anthracene | 10.57 | 228 | 37402 | 5.43539 ppb | 99 |
| 18) Chrysene | 10.61 | 228 | 38228 | 4.99688 ppb | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.32 | 276 | 29032 | 5.24405 ppb | 93 |
| 21) Benzo (b) fluoranthene | 12.08 | 252 | 35343 | 5.53311 ppb | 99 |
| 22) Benzo (k) fluoranthene | 12.12 | 252 | 37110 | 5.08048 ppb | 99 |
| 23) Benzo (a) pyrene | 12.65 | 252 | 32480 | 5.33864 ppb | 98 |
| 24) Dibenz (a,h) anthracene | 14.36 | 278 | 31238 | 5.19278 ppb | 99 |
| 25) Benzo (g,h,i) perylene | 14.63 | 276 | 34268 | 5.23440 ppb | 98 |

(#) = qualifier out of range (m) = manual integration

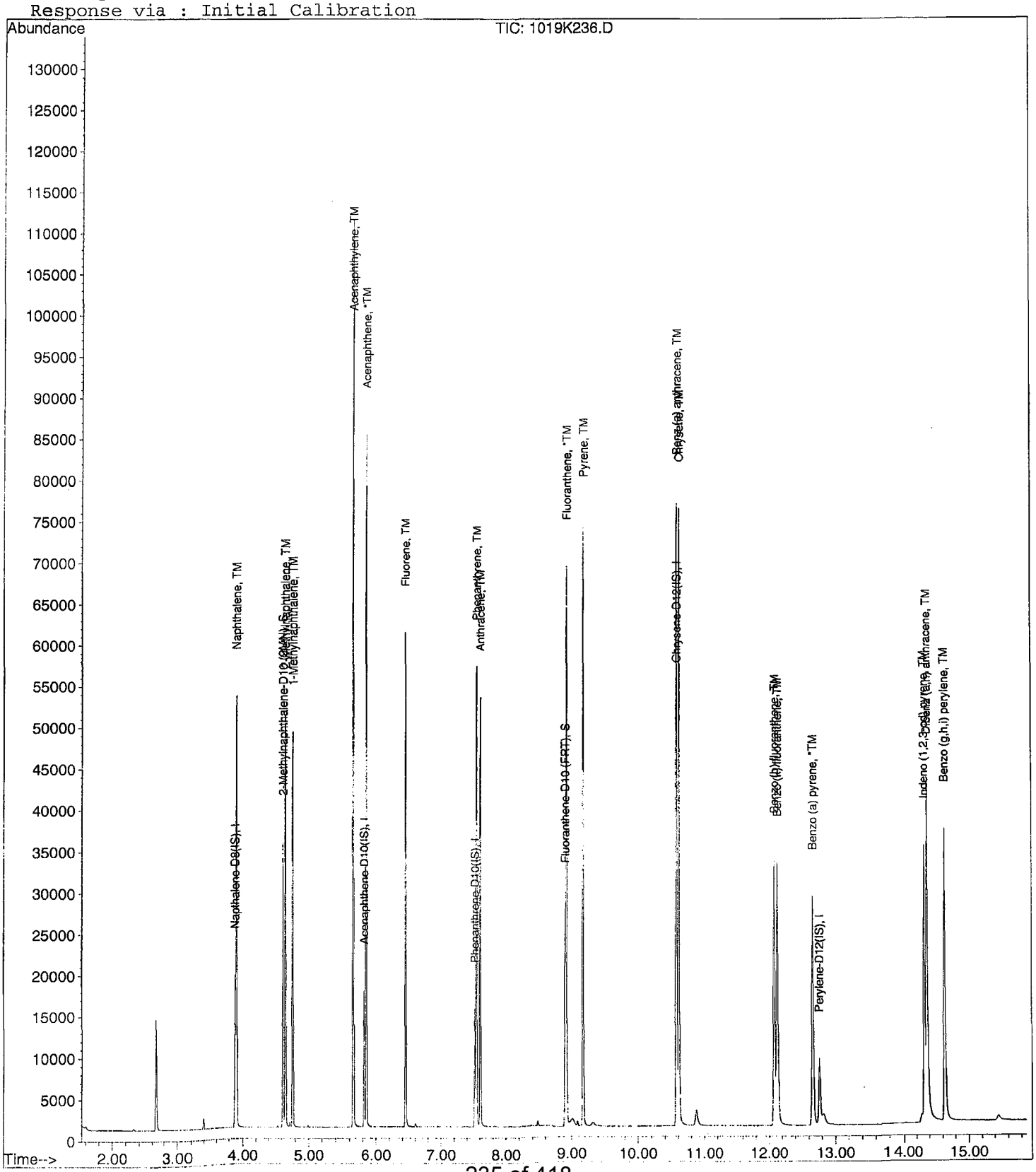
Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K236.D
Acq On : 3 Nov 21 8:45
Sample : 5 ug/ml 10/19/21 (1)
Misc :

Vial: 86
Operator: LS
Inst : KYLO
Multiplr: 1.00

Quant Time: Nov 3 9:01 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration



PAH by GCMS SIM
EPA 8270 SIM

Form 7

# Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No:
Date Analyzed: 3 Nov 21 21:44
Instrument: KYLO
Initial Cal. Date: 10/19/2021
Data File: 1019K275.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | |
| 2 | TM | Naphthalene | 1.299 | 1.310 | 0.91 | TM | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.277 | 1.289 | 0.93 | S | |
| 4 | TM | 2-Methylnaphthalene | 0.7611 | 0.8049 | 5.8 | TM | |
| 5 | TM | 1-Methylnaphthalene | 0.7681 | 0.8033 | 4.6 | TM | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | |
| 7 | TM | Acenaphthylene | 5.176 | 5.314 | 2.7 | TM | |
| 8 | *TM | Acenaphthene | 1.371 | 1.388 | 1.3 | *TM | |
| 9 | TM | Fluorene | 1.589 | 1.676 | 5.5 | TM | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | |
| 11 | TM | Phenanthrene | 1.376 | 1.432 | 4.1 | TM | |
| 12 | TM | Anthracene | 1.299 | 1.348 | 3.8 | TM | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.949 | 2.056 | 5.5 | S | |
| 14 | *TM | Fluoranthene | 2.137 | 2.289 | 7.1 | *TM | |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | |
| 16 | TM | Pyrene | 1.914 | 2.019 | 5.5 | TM | |
| 17 | TM | Benz (a) anthracene | 1.401 | 1.501 | 7.1 | TM | |
| 18 | TM | Chrysene | 1.558 | 1.552 | 0.38 | TM | |
| 19 | TML | Indeno (1,2,3-cd) pyrene | 1.272 | 1.112 | 13 | TML | 1.1 |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | |
| 21 | TM | Benzo (b) fluoranthene | 1.408 | 1.546 | 9.8 | TM | |
| 22 | TM | Benzo (k) fluoranthene | 1.610 | 1.682 | 4.4 | TM | |
| 23 | *TM | Benzo (a) pyrene | 1.341 | 1.438 | 7.3 | *TM | |
| 24 | TM | Dibenz (a,h) anthracene | 1.326 | 1.335 | 0.66 | TM | |
| 25 | TM | Benzo (g,h,i) perylene | 1.443 | 1.460 | 1.2 | TM | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 4.6 | | |

Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K275.D Vial: 125
Acq On : 3 Nov 21 21:44 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 4 7:33 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.89 | 136 | 18256 | 2.50000 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 9460 | 2.50000 ppb | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 14853 | 2.50000 ppb | -0.03 |
| 15) Chrysene-D12(IS) | 10.57 | 240 | 17378 | 2.50000 ppb | -0.04 |
| 20) Perylene-D12(IS) | 12.75 | 264 | 15699 | 2.50000 ppb | -0.08 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 23523 | 2.52324 ppb | -0.03 |
| Spiked Amount 5.000 | | | Recovery | = 50.460% | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 30540 | 2.63764 ppb | -0.04 |
| Spiked Amount 5.000 | | | Recovery | = 52.760% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 3.91 | 128 | 47846 | 5.04536 ppb | 100 |
| 4) 2-Methylnaphthalene | 4.66 | 142 | 29390 | 5.28804 ppb | 100 |
| 5) 1-Methylnaphthalene | 4.77 | 142 | 29330 | 5.22902 ppb | 100 |
| 7) Acenaphthylene | 5.66 | 152 | 100542 | 5.13371 ppb | 100 |
| 8) Acenaphthene | 5.86 | 154 | 26268 | 5.06385 ppb | 99 |
| 9) Fluorene | 6.45 | 166 | 31717 | 5.27636 ppb | 99 |
| 11) Phenanthrene | 7.55 | 178 | 42547 | 5.20518 ppb | 100 |
| 12) Anthracene | 7.61 | 178 | 40050 | 5.18758 ppb | 99 |
| 14) Fluoranthene | 8.92 | 202 | 68008 | 5.35576 ppb | 98 |
| 16) Pyrene | 9.17 | 202 | 70161 | 5.27308 ppb | 97 |
| 17) Benz (a) anthracene | 10.56 | 228 | 52174 | 5.35652 ppb | 99 |
| 18) Chrysene | 10.61 | 228 | 53937 | 4.98077 ppb | 98 |
| 19) Indeno (1,2,3-cd) pyrene | 14.31 | 276 | 38643 | 4.94253 ppb | 90 |
| 21) Benzo (b) fluoranthene | 12.07 | 252 | 48541 | 5.49026 ppb | 98 |
| 22) Benzo (k) fluoranthene | 12.12 | 252 | 52801 | 5.22244 ppb | 98 |
| 23) Benzo (a) pyrene | 12.65 | 252 | 45160 | 5.36273 ppb | 98 |
| 24) Dibenz (a,h) anthracene | 14.36 | 278 | 41909 | 5.03317 ppb | 99 |
| 25) Benzo (g,h,i) perylene | 14.63 | 276 | 45853 | 5.06015 ppb | 97 |

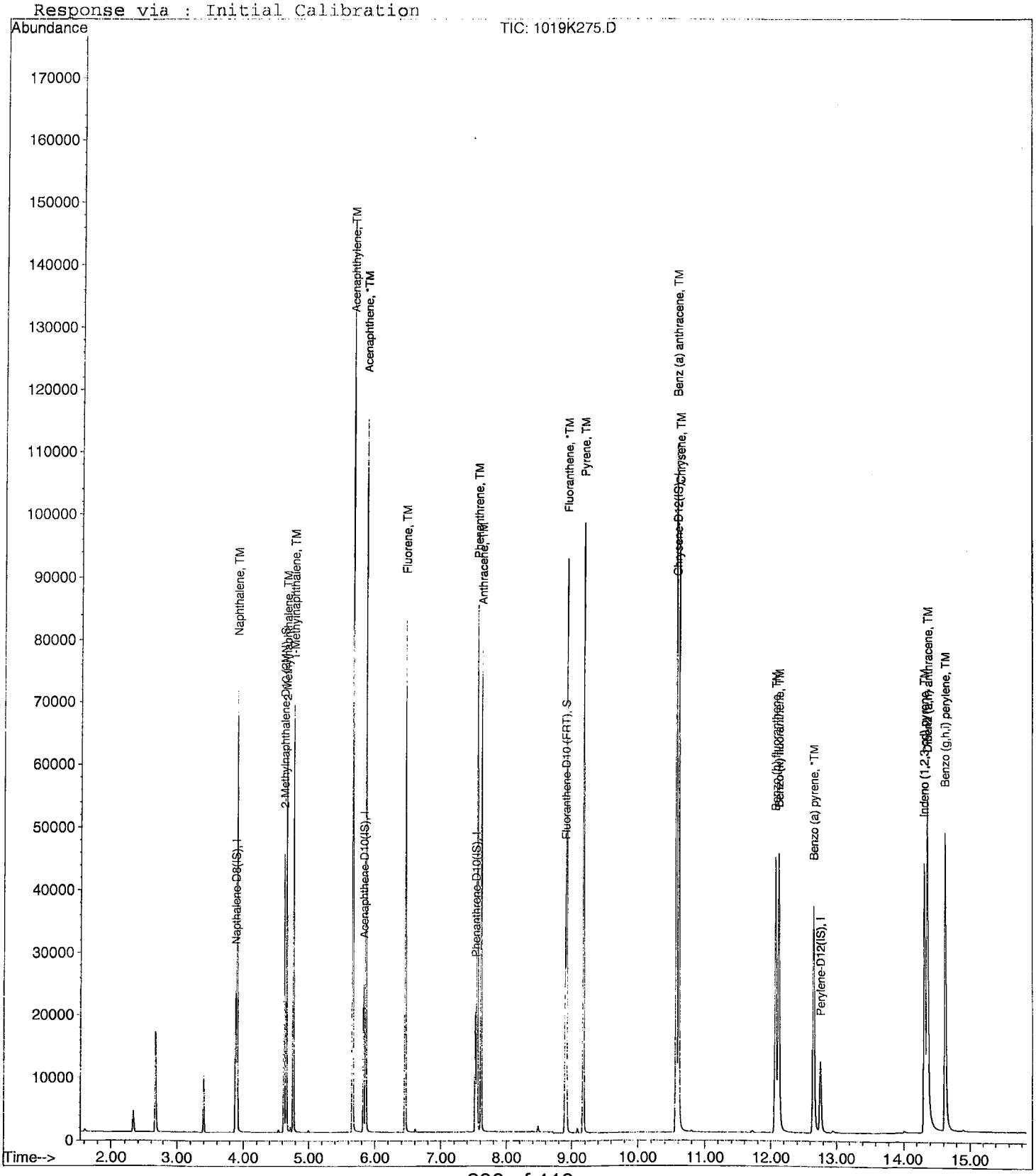
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K275.D Vial: 125
Acq On : 3 Nov 21 21:44 Operator: LS
Sample : 5 ug/ml 10/10/21 (2) Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 4 7:33 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration



# ORGANICS
# Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K240.D Vial: 90
Acq On : 3 Nov 21 10:04 Operator: LS
Sample : BA44376W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 8 16:08 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.89 | 136 | 14405 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 7146 | 2.50 | ppb | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 11959 | 2.50 | ppb | -0.03 |
| 15) Chrysene-D12(IS) | 10.57 | 240 | 14817 | 2.50 | ppb | -0.04 |
| 20) Perylene-D12(IS) | 12.76 | 264 | 13517 | 2.50 | ppb | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 33473 | 4.55 | ppb | -0.03 |
| Spiked Amount 5.000 | | | Recovery = 91.000% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 42377 | 4.55 | ppb | -0.04 |
| Spiked Amount 5.000 | | | Recovery = 90.920% | | | |

Target Compounds Qvalue

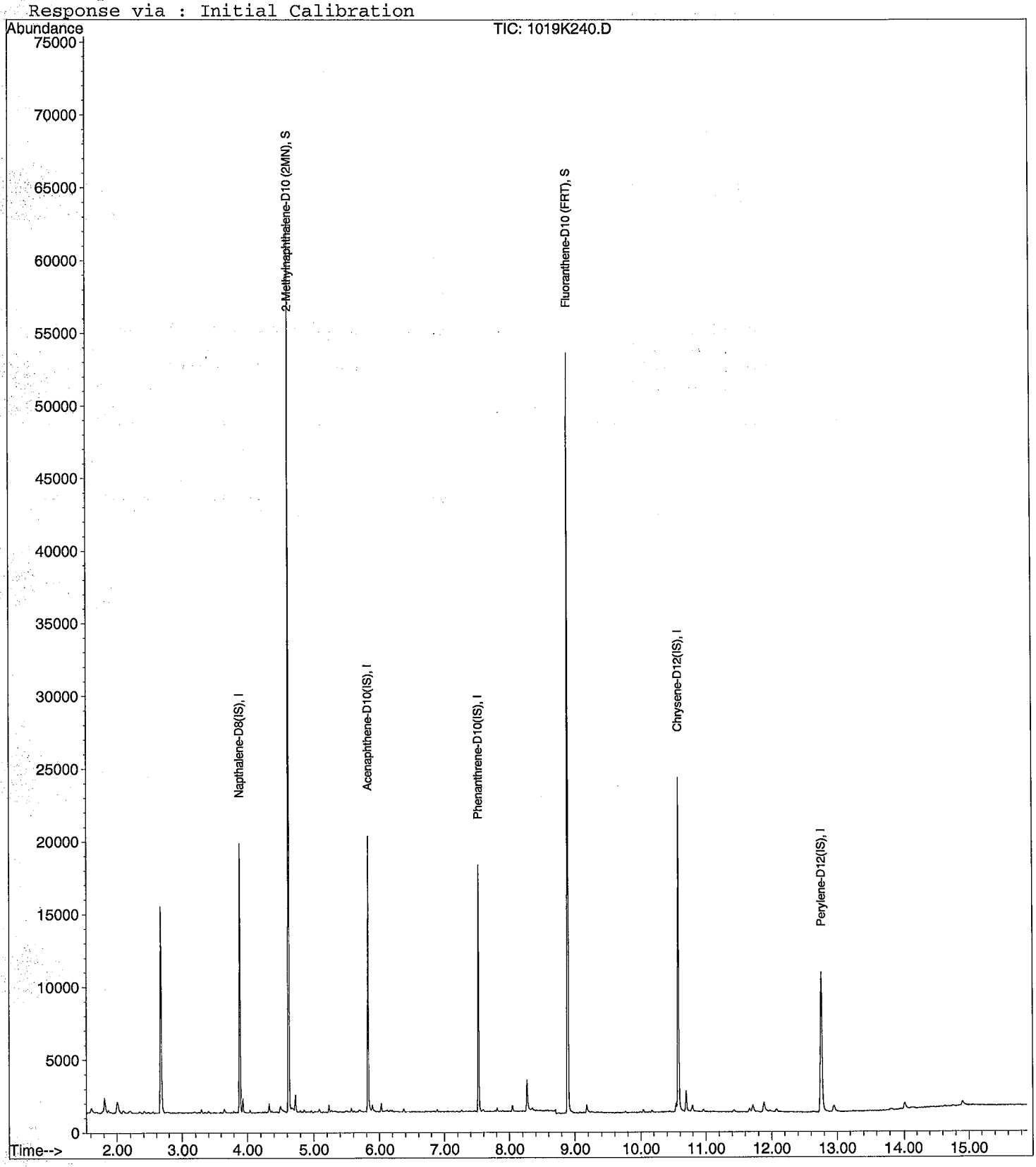
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K240.D Vial: 90
Acq On : 3 Nov 21 10:04 Operator: LS
Sample : BA44376W07 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 8 16:08 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\KYLO\DATA\211019\1019K237.D Vial: 87
Acq On : 3 Nov 21 9:04 Operator: LS
Sample : 211028A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:31 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.88 | 136 | 12656 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 6252 | 2.50 | ppb | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 10697 | 2.50 | ppb | -0.03 |
| 15) Chrysene-D12(IS) | 10.57 | 240 | 13529 | 2.50 | ppb | -0.04 |
| 20) Perylene-D12(IS) | 12.76 | 264 | 12332 | 2.50 | ppb | -0.07 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 37588 | 5.82 | ppb | -0.03 |
| Spiked Amount 5.000 | | | Recovery = 116.320% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 46297 | 5.55 | ppb | -0.04 |
| Spiked Amount 5.000 | | | Recovery = 111.040% | | | |

Target Compounds Qvalue

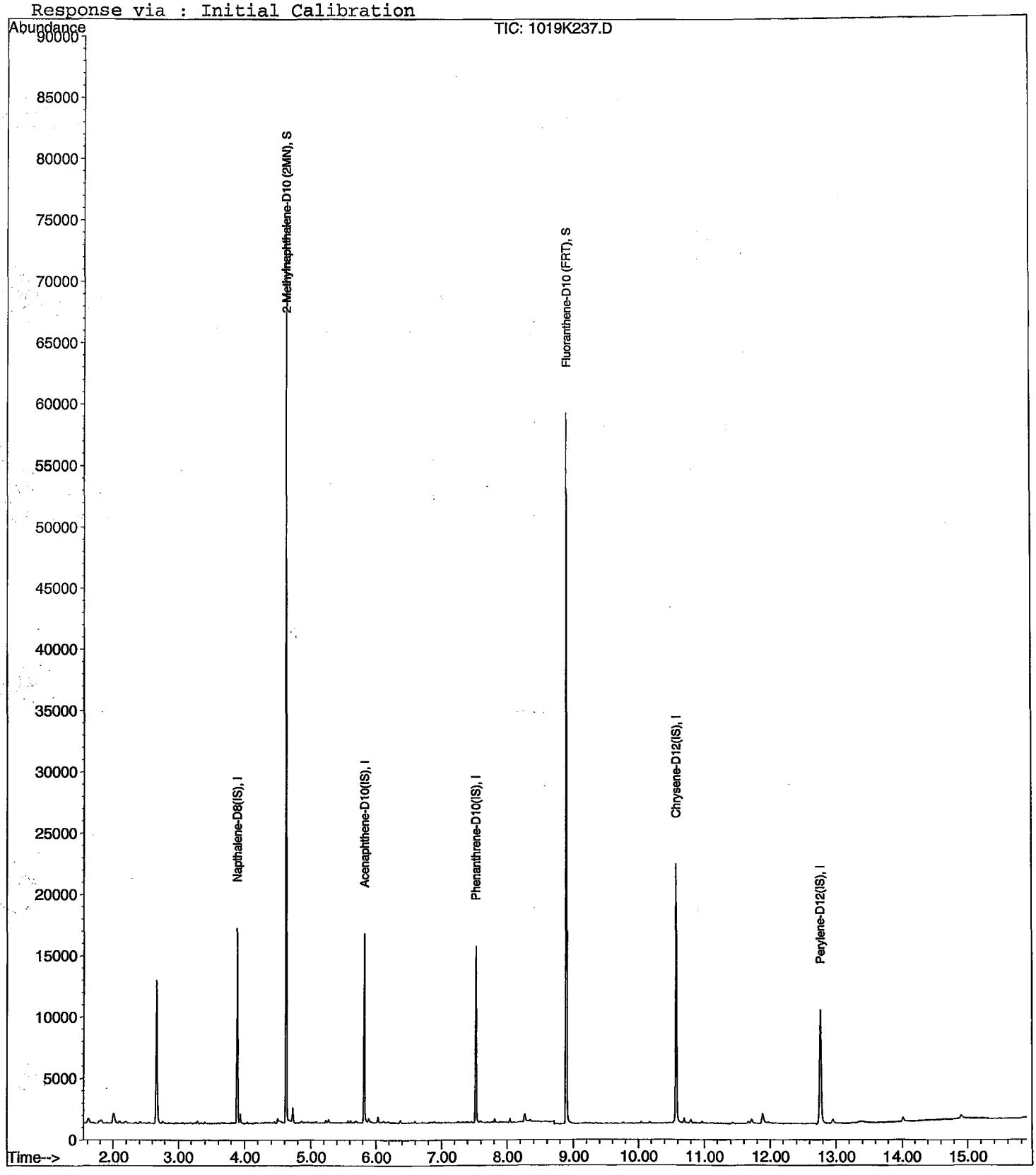
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K237.D Vial: 87
Acq On : 3 Nov 21 9:04 Operator: LS
Sample : 211028A BLK 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:31 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K239.D Vial: 89
Acq On : 3 Nov 21 9:44 Operator: LS
Sample : 211028A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:25 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.89 | 136 | 13244 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 6818 | 2.50 | ppb | | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 11226 | 2.50 | ppb | | -0.03 |
| 15) Chrysene-D12(IS) | 10.57 | 240 | 14122 | 2.50 | ppb | | -0.04 |
| 20) Perylene-D12(IS) | 12.75 | 264 | 12971 | 2.50 | ppb | | -0.08 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 37696 | 5.57 | ppb | | -0.03 |
| Spiked Amount 5.000 | | | Recovery = 111.480% | | | | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 47469 | 5.42 | ppb | | -0.04 |
| Spiked Amount 5.000 | | | Recovery = 108.480% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 3.91 | 128 | 35982 | 5.23 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.66 | 142 | 21892 | 5.43 | ppb | | 99 |
| 5) 1-Methylnaphthalene | 4.77 | 142 | 21965 | 5.40 | ppb | | 100 |
| 7) Acenaphthylene | 5.66 | 152 | 75454 | 5.35 | ppb | | 100 |
| 8) Acenaphthene | 5.86 | 154 | 19882 | 5.32 | ppb | | 98 |
| 9) Fluorene | 6.45 | 166 | 23767 | 5.49 | ppb | | 97 |
| 11) Phenanthrene | 7.55 | 178 | 31660 | 5.12 | ppb | | 100 |
| 12) Anthracene | 7.61 | 178 | 29707 | 5.09 | ppb | | 99 |
| 14) Fluoranthene | 8.92 | 202 | 51162 | 5.33 | ppb | | 98 |
| 16) Pyrene | 9.17 | 202 | 52675 | 4.87 | ppb | | 96 |
| 17) Benz (a) anthracene | 10.56 | 228 | 40053 | 5.06 | ppb | | 99 |
| 18) Chrysene | 10.61 | 228 | 41572 | 4.72 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.31 | 276 | 30743 | 4.84 | ppb | # | 91 |
| 21) Benzo (b) fluoranthene | 12.07 | 252 | 37985 | 5.20 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.12 | 252 | 40322 | 4.83 | ppb | | 99 |
| 23) Benzo (a) pyrene | 12.65 | 252 | 34628 | 4.98 | ppb | | 98 |
| 24) Dibenz (a,h) anthracene | 14.36 | 278 | 33553 | 4.88 | ppb | | 100 |
| 25) Benzo (g,h,i) perylene | 14.63 | 276 | 36697 | 4.90 | ppb | | 99 |

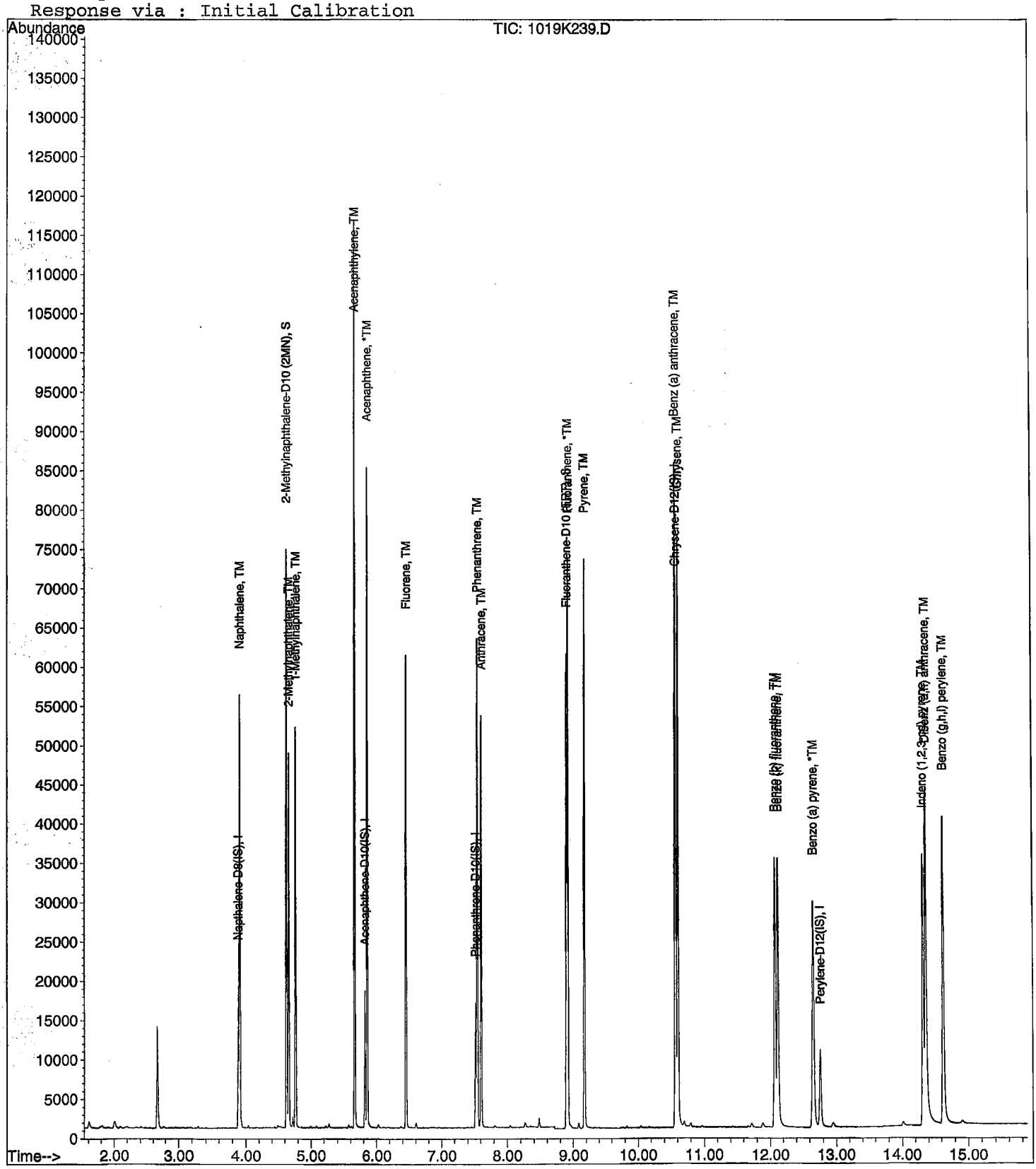
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K239.D Vial: 89
Acq On : 3 Nov 21 9:44 Operator: LS
Sample : 211028A LCSD-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 3 14:25 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\KYLO\DATA\211019\1019K271.D Vial: 121
Acq On : 3 Nov 21 20:24 Operator: LS
Sample : 211028A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

Quant Time: Nov 4 6:45 2021 Quant Results File: K1019.RES

Quant Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Oct 27 10:57:36 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 3.89 | 136 | 18146 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 5.82 | 164 | 9246 | 2.50 | ppb | | -0.03 |
| 10) Phenanthrene-D10(IS) | 7.52 | 188 | 16439 | 2.50 | ppb | | -0.03 |
| 15) Chrysene-D12(IS) | 10.57 | 240 | 20130 | 2.50 | ppb | | -0.04 |
| 20) Perylene-D12(IS) | 12.76 | 264 | 18703 | 2.50 | ppb | | -0.07 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.62 | 152 | 45852 | 4.95 | ppb | | -0.03 |
| Spiked Amount 5.000 | | | Recovery = | 98.960% | | | |
| 13) Fluoranthene-D10 (FRT) | 8.90 | 212 | 57612 | 4.50 | ppb | | -0.04 |
| Spiked Amount 5.000 | | | Recovery = | 89.920% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 3.91 | 128 | 44704 | 4.74 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.66 | 142 | 27053 | 4.90 | ppb | | 100 |
| 5) 1-Methylnaphthalene | 4.77 | 142 | 27207 | 4.88 | ppb | | 100 |
| 7) Acenaphthylene | 5.66 | 152 | 90789 | 4.74 | ppb | | 100 |
| 8) Acenaphthene | 5.86 | 154 | 24800 | 4.89 | ppb | | 98 |
| 9) Fluorene | 6.45 | 166 | 29646 | 5.05 | ppb | | 98 |
| 11) Phenanthrene | 7.55 | 178 | 40232 | 4.45 | ppb | | 100 |
| 12) Anthracene | 7.61 | 178 | 36607 | 4.28 | ppb | | 99 |
| 14) Fluoranthene | 8.92 | 202 | 64018 | 4.56 | ppb | | 98 |
| 16) Pyrene | 9.17 | 202 | 65213 | 4.23 | ppb | | 97 |
| 17) Benz (a) anthracene | 10.56 | 228 | 49594 | 4.40 | ppb | | 100 |
| 18) Chrysene | 10.61 | 228 | 50957 | 4.06 | ppb | | 98 |
| 19) Indeno (1,2,3-cd) pyrene | 14.32 | 276 | 35807 | 3.99 | ppb | # | 98 |
| 21) Benzo (b) fluoranthene | 12.07 | 252 | 46449 | 4.41 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.12 | 252 | 49328 | 4.10 | ppb | | 99 |
| 23) Benzo (a) pyrene | 12.65 | 252 | 41620 | 4.15 | ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.36 | 278 | 39874 | 4.02 | ppb | | 100 |
| 25) Benzo (g,h,i) perylene | 14.63 | 276 | 43182 | 4.00 | ppb | | 99 |

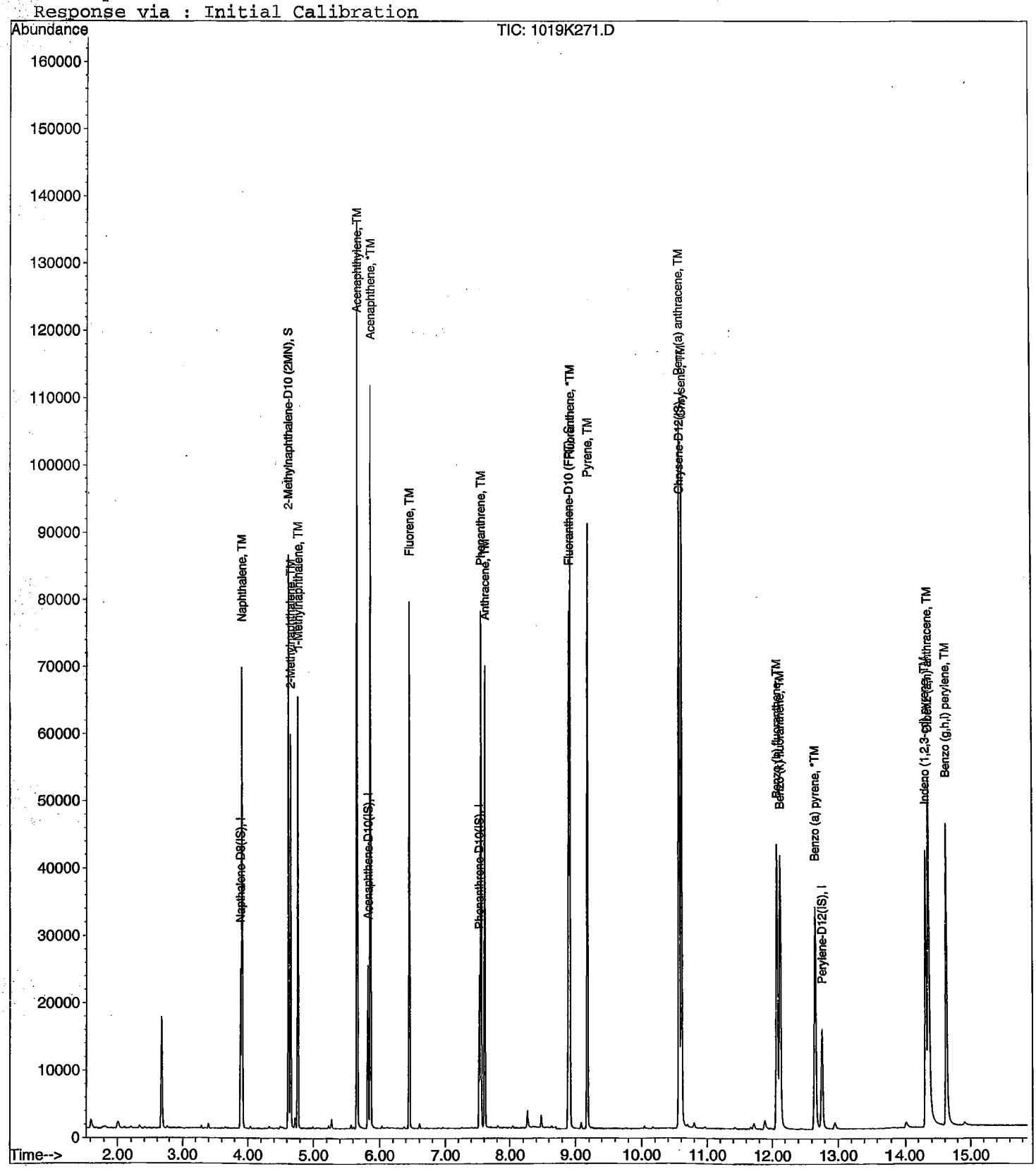
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K271.D Vial: 121
Acq On : 3 Nov 21 20:24 Operator: LS
Sample : 211028A LCS-1 1/1000 Inst : KYLO
Misc : Multiplr: 1.00

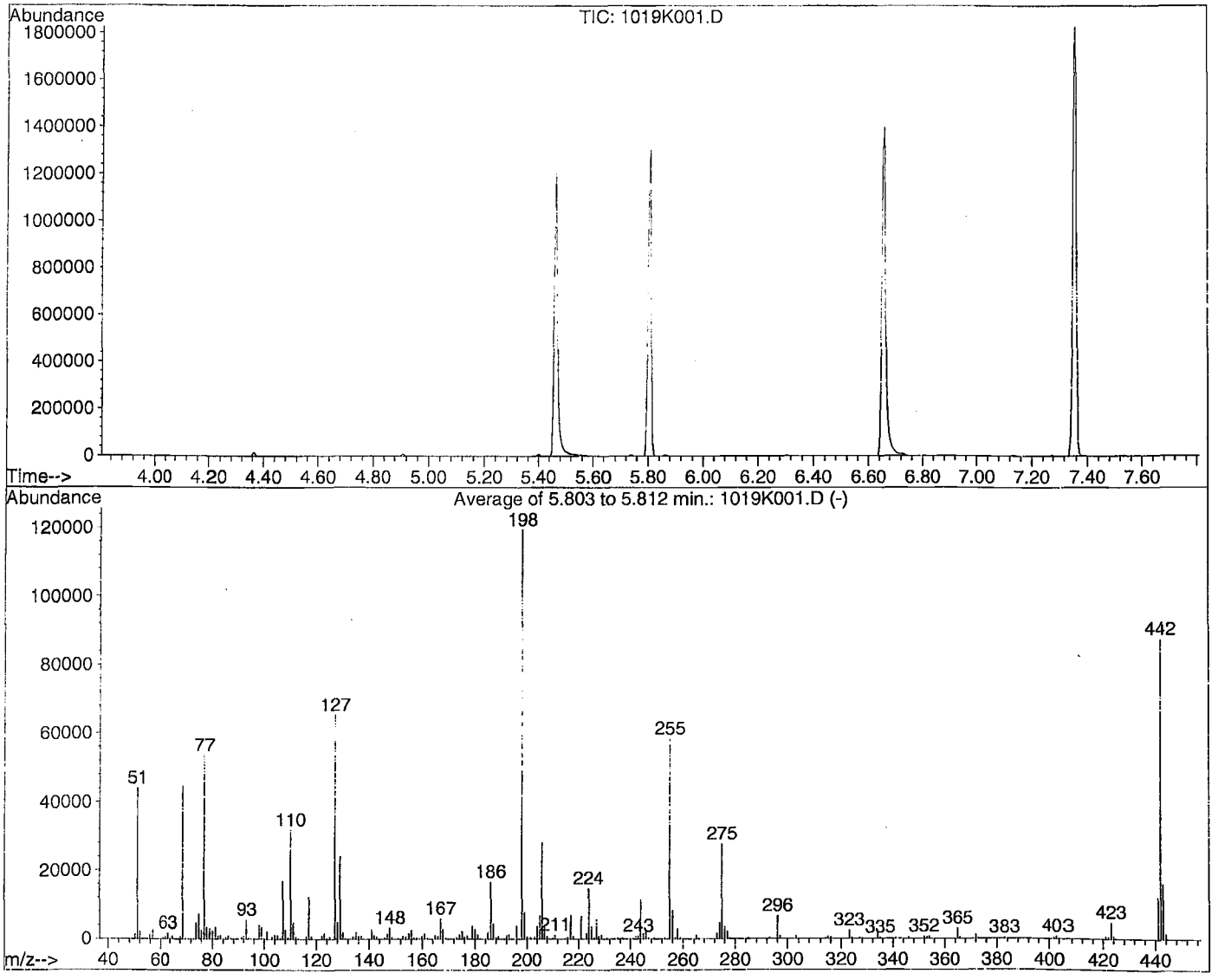
Quant Time: Nov 4 6:45 2021 Quant Results File: K1019.RES

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270
Last Update : Tue Nov 30 08:16:15 2021
Response via : Initial Calibration



Data File : M:\KYLO\DATA\211019\1019K001.D  Vial: 1
Acq On : 19 Oct 21 13:58  Operator: LS
Sample : SV TUNE 7/2/21  Inst : KYLO
Misc :  Multiplr: 1.00

Method : M:\KYLO\DATA\211019\DFTPP2.M (Chemstation Integrator)
Title :




AutoFind: Scans 476, 477, 478; Background Corrected with Scan 470

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 36.8 | 44033 | PASS |
| 68 | 69 | 0.00 | 2 | 1.7 | 772 | PASS |
| 70 | 69 | 0.00 | 2 | 0.4 | 170 | PASS |
| 127 | 198 | 10 | 80 | 54.6 | 65376 | PASS |
| 197 | 198 | 0.00 | 2 | 0.2 | 185 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 119640 | PASS |
| 199 | 198 | 5 | 9 | 6.5 | 7734 | PASS |
| 275 | 198 | 10 | 60 | 23.2 | 27808 | PASS |
| 365 | 198 | 1 | 100 | 2.5 | 3043 | PASS |
| 441 | 442 | 0.01 | 24 | 13.9 | 12169 | PASS |
| 442 | 198 | 50 | 500 | 73.4 | 87760 | PASS |
| 443 | 442 | 15 | 24 | 18.4 | 16149 | PASS |

| | |
|---|---|
| Data File Name: | **1019K001.D** |
| Data File Path: | **M:\KYLO\DATA\211019** |
| Operator: | **LS** |
| Date Acquired: | **19 Oct 2021 13:58** |
| Method File: | **DFTPP2.M** |
| Sample Name: | **SV TUNE 7/2/21** |
| Vial Number: | 1 |
| Instrument Name: | **KYLO** |

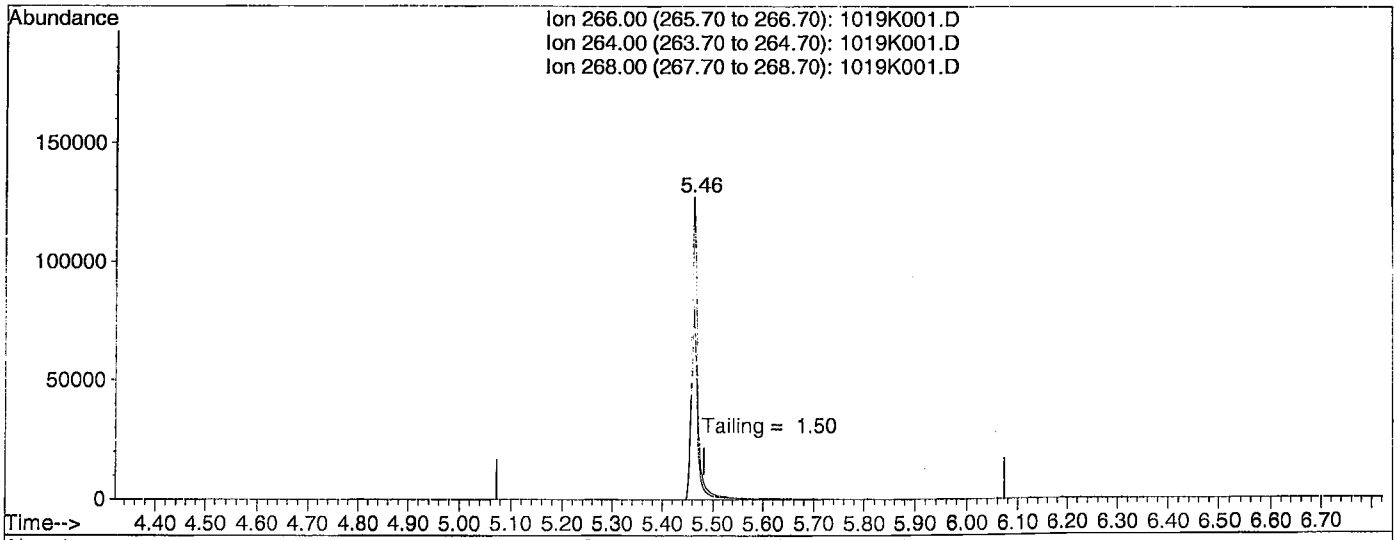
| # | Name | Ret Time | Target Response |
|---|---|---|---|
| 1) | DDT | 7.36 | 16763500 |
| 2) | DDD | 7.13 | 0 |
| 3) | DDE | 6.80 | 0 |

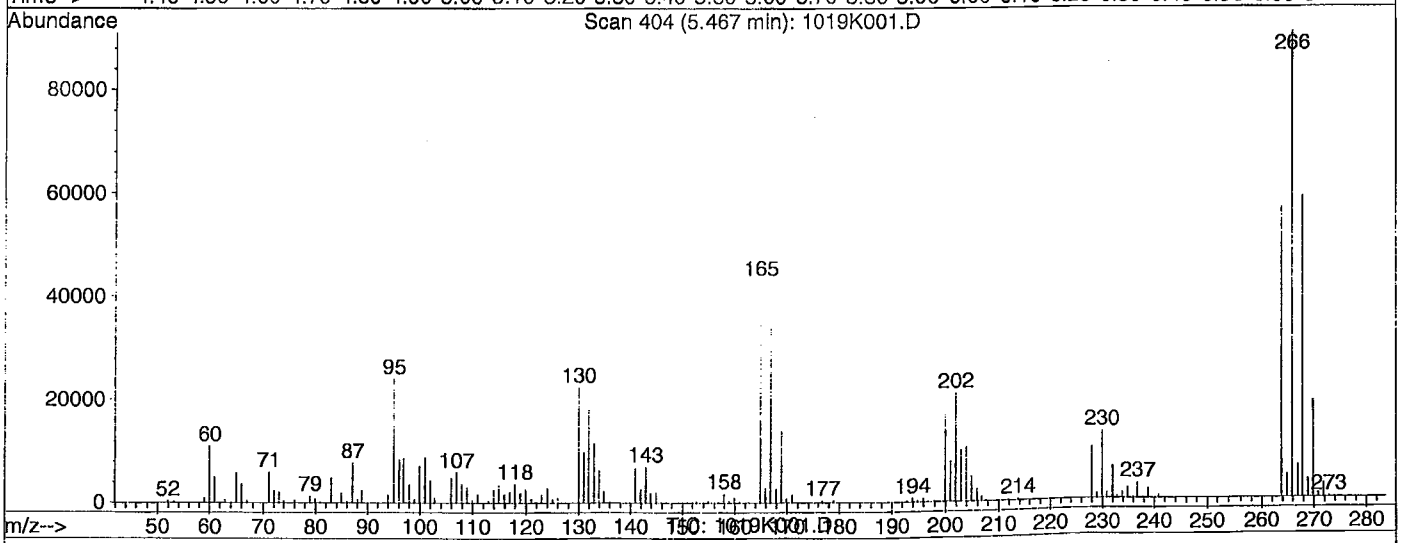
Breakdown **0.00**

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K001.D Vial: 1
Acq On : 19 Oct 21 13:58 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 19 14:09 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 19 14:09:23 2021
Response via : Single Level Calibration




(5) Pentachlorophenol

5.47min 0.0000

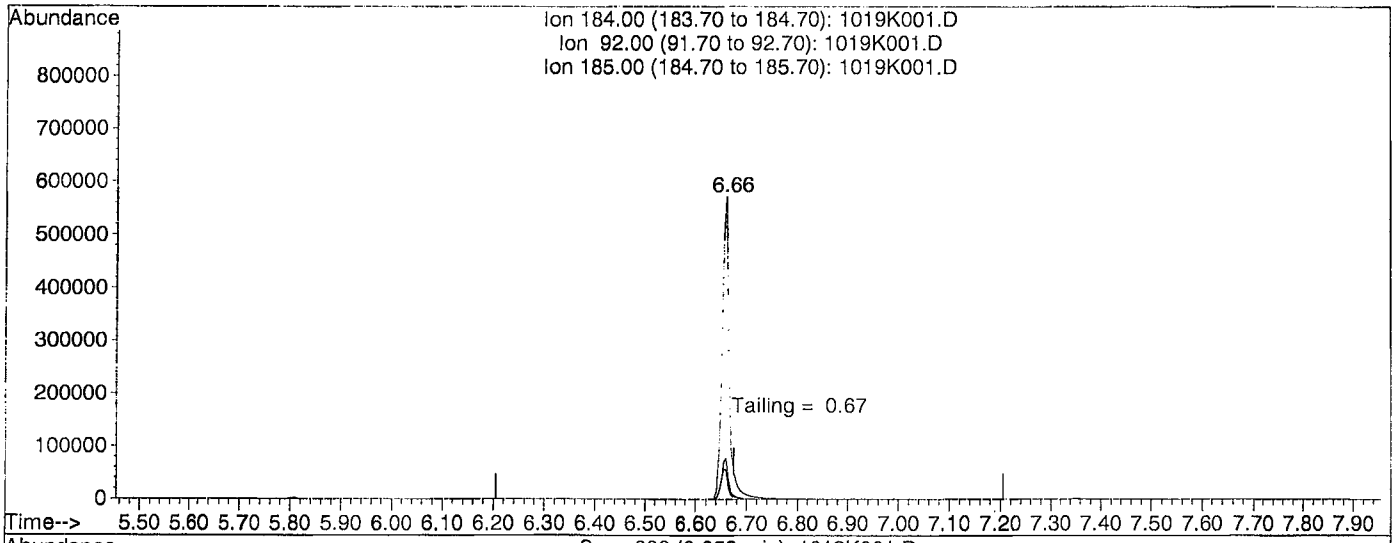
response 1053940

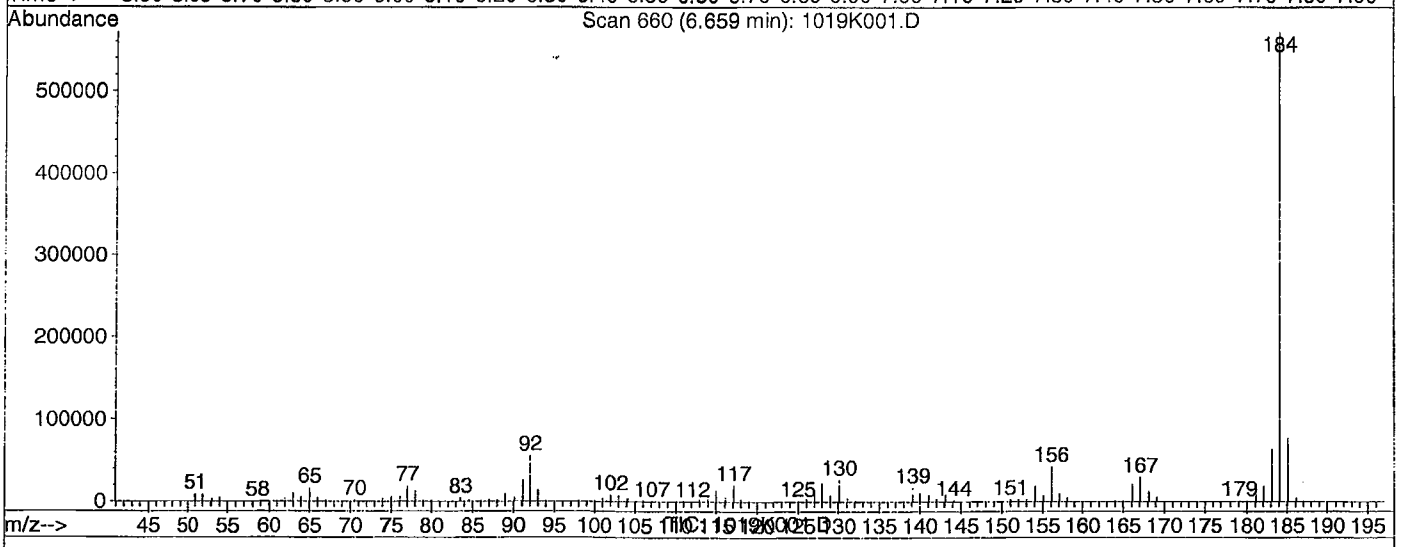
| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 264.00 | 62.30 | 62.20 |
| 268.00 | 62.40 | 62.61 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K001.D Vial: 1
Acq On : 19 Oct 21 13:58 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Oct 19 14:09 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Tue Oct 19 14:09:23 2021
Response via : Single Level Calibration




(6) Benzidine

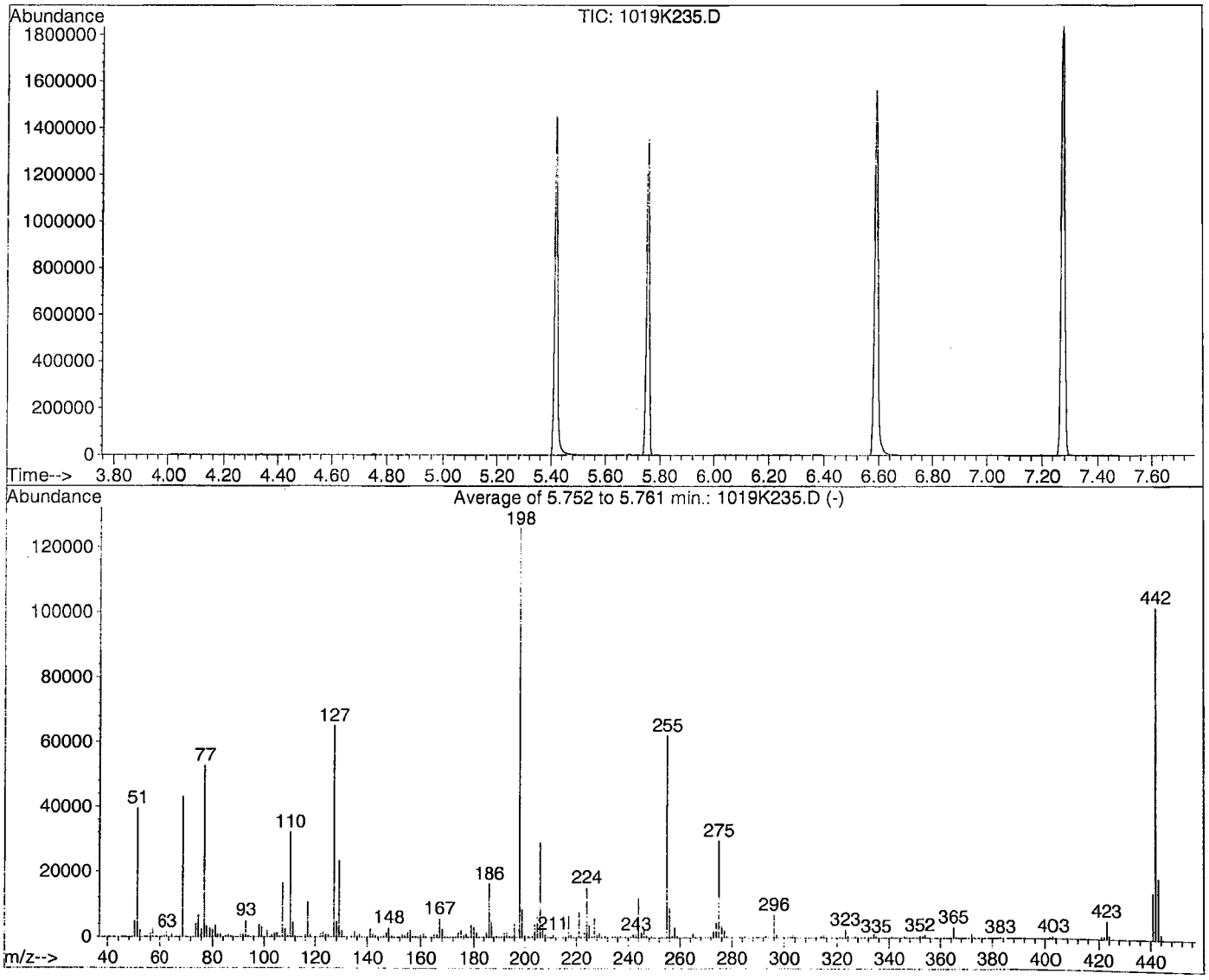
6.66min 0.0000

response 5630975

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 9.50 | 10.34 |
| 185.00 | 13.20 | 13.72 |
| 0.00 | 0.00 | 0.00 |

Data File : M:\KYLO\DATA\211019\1019K235.D  Vial: 85
Acq On : 3 Nov 21 8:33  Operator: LS
Sample : SV TUNE 7/2/21  Inst : KYLO
Misc :  Multiplr: 1.00

Method : M:\KYLO\DATA\211019\K1019.M (RTE Integrator)
Title : EPA 8270




AutoFind: Scans 465, 466, 467; Background Corrected with Scan 459

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 31.4 | 39534 | PASS |
| 68 | 69 | 0.00 | 2 | 1.5 | 654 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 229 | PASS |
| 127 | 198 | 10 | 80 | 51.7 | 65120 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 125931 | PASS |
| 199 | 198 | 5 | 9 | 6.8 | 8539 | PASS |
| 275 | 198 | 10 | 60 | 23.6 | 29699 | PASS |
| 365 | 198 | 1 | 100 | 2.7 | 3374 | PASS |
| 441 | 442 | 0.01 | 24 | 14.1 | 14314 | PASS |
| 442 | 198 | 50 | 500 | 80.8 | 101693 | PASS |
| 443 | 442 | 15 | 24 | 18.5 | 18817 | PASS |

| | |
|---|---|
| Data File Name: | **1019K235.D** |
| Data File Path: | **M:\KYLO\DATA\211019** |
| Operator: | **LS** |
| Date Acquired: | **3 Nov 21 8:33** |
| Method File: | **DFTPP2.M** |
| Sample Name: | **SV TUNE 7/2/21** |
| Vial Number: | **85** |
| Instrument Name: | **KYLO** |

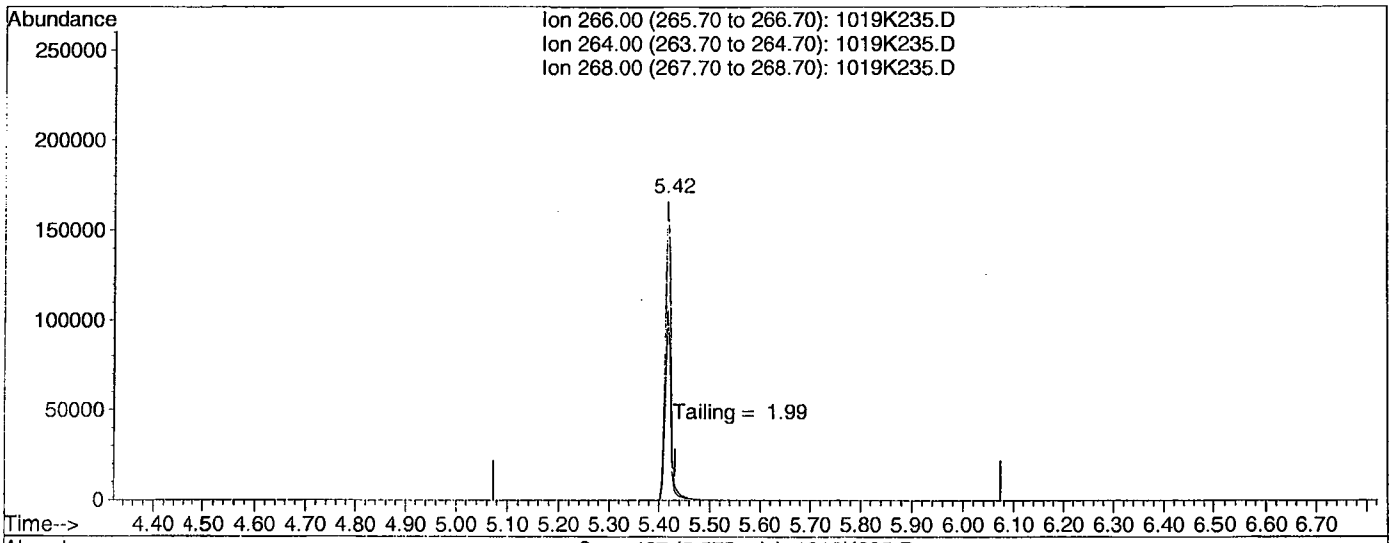
| # | Name | Ret Time | Target Response |
|---|---|---|---|
| 1) | DDT | 7.29 | 16266100 |
| 2) | DDD | 7.07 | 0 |
| 3) | DDE | 6.75 | 0 |

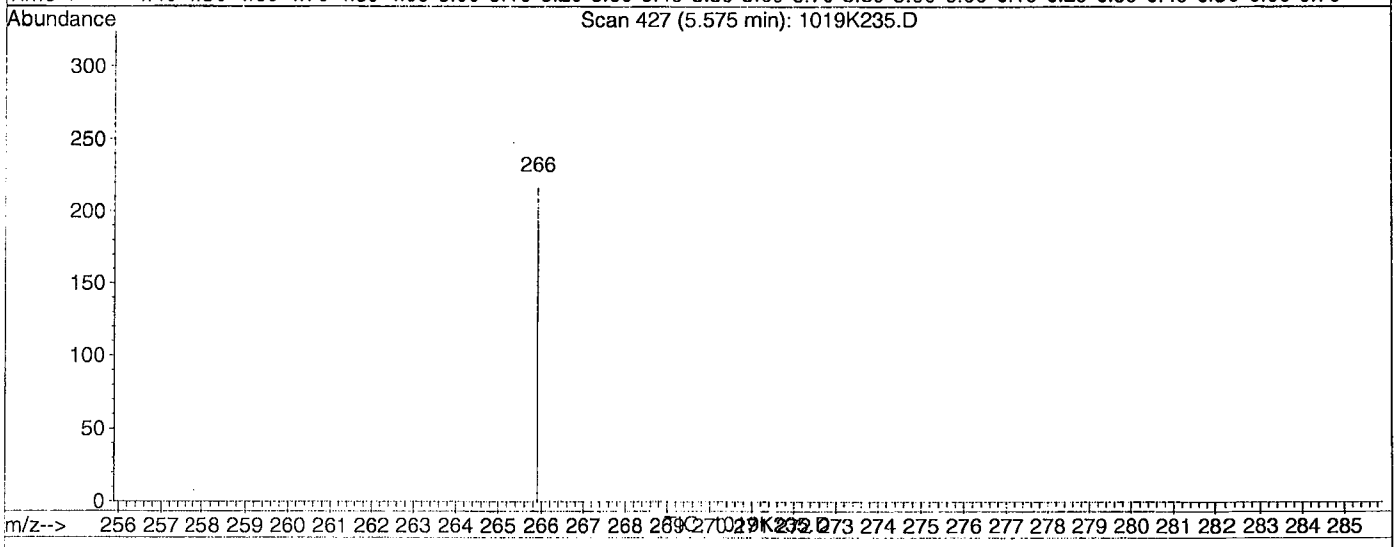
Breakdown **0.00**

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K235.D Vial: 85
Acq On : 3 Nov 21 8:33 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Nov 3 8:42 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 27 09:33:33 2021
Response via : Single Level Calibration




(5) Pentachlorophenol

5.57min 0.0000

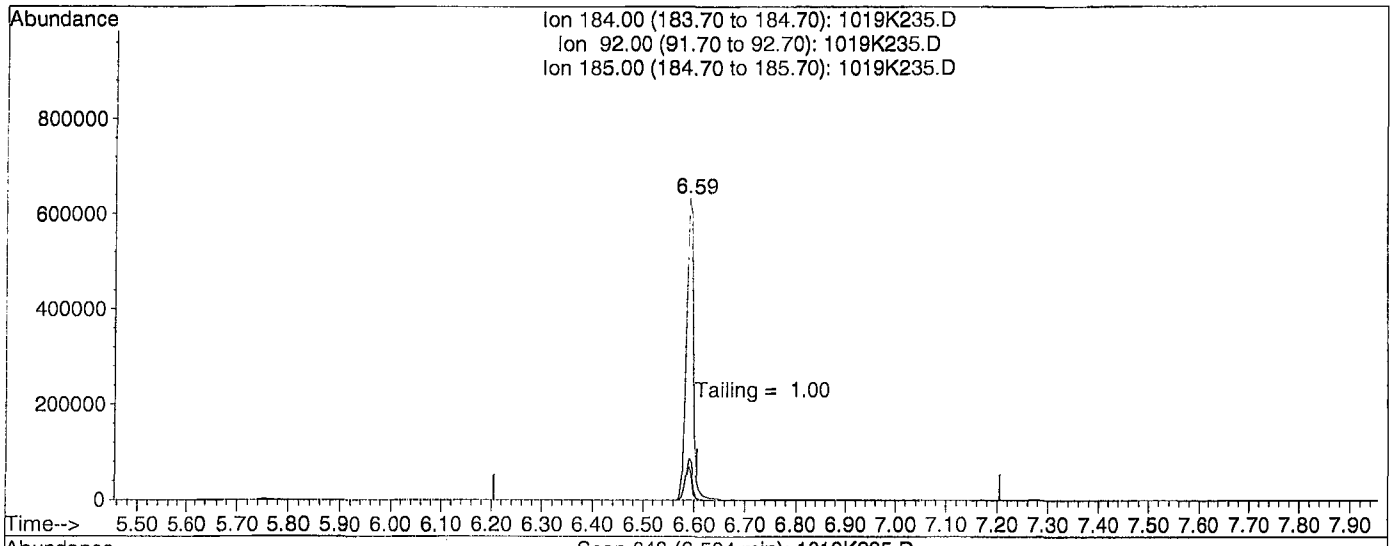
response 0

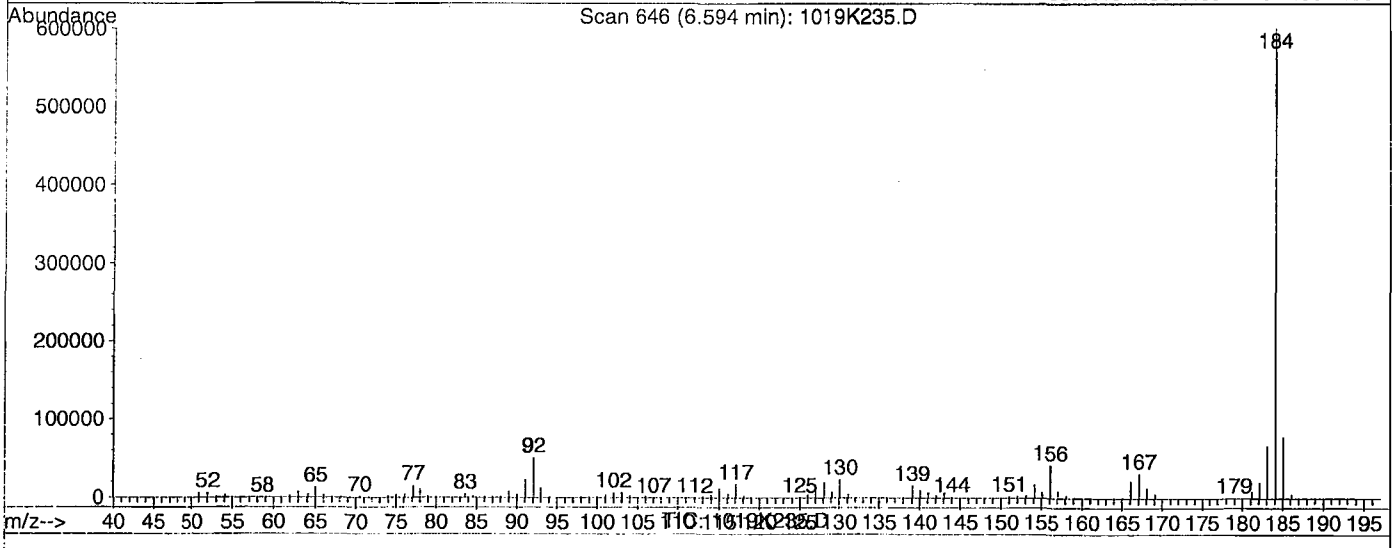
| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 0.00 |
| 264.00 | 62.30 | 0.00# |
| 268.00 | 62.40 | 0.00# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : M:\KYLO\DATA\211019\1019K235.D Vial: 85
Acq On : 3 Nov 21 8:33 Operator: LS
Sample : SV TUNE 7/2/21 Inst : KYLO
Misc : Multiplr: 1.00
Quant Time: Nov 3 8:42 2021 Quant Results File: temp.res

Method : M:\KYLO\DATA\211019\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Oct 27 09:33:33 2021
Response via : Single Level Calibration




(6) Benzidine

6.59min 0.0000

response 5997992

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 9.50 | 10.35 |
| 185.00 | 13.20 | 13.51 |
| 0.00 | 0.00 | 0.00 |

Name of Final Standard: **SIM Curve** Prep'd By (Initials): **LS**

Prep Date: **10/13/2021**

Exp Date: **6/17/2022**

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from container Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc. (range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| 1.0 ug/mL SIM | APPL | 1.0 ug/mL SIM | 1.0 ug/mL | **9/9/2021** | **6/17/2022** | 10 uL | 100uL | **MC 61117 90uL** | 0.1 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| 1.0 ug/mL SIM | APPL | 1.0 ug/mL SIM | 1.0 ug/mL | **9/9/2021** | **6/17/2022** | 20 uL | 100uL | **MC 61117 80uL** | 0.2 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| 5.0 ug/mL SIM | APPL | 5.0 ug/mL SIM | 5.0 ug/mL | **9/9/2021** | **6/17/2022** | 10 uL | 100uL | **MC 61117 90uL** | 0.5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| 5.0 ug/mL SIM | APPL | 5.0 ug/mL SIM | 5.0 ug/mL | **9/9/2021** | **6/17/2022** | 20 uL | 100uL | **MC 61117 80 uL** | 1.0 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **6/17/2022** | 5 uL | 200uL | **MC 61117 190 uL** | 5.0 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **6/17/2022** | 5 uL | * | * | 2.5ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 4 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **6/17/2022** | 5 uL | 100 uL | **MC 61117 90 uL** | 10 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **6/17/2022** | 5 uL | * | * | 5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **6/17/2022** | 25 uL | 100uL | **MC 61117 50 uL** | 50 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **6/17/2022** | 25 uL | * | * | 25 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **6/17/2022** | 50 uL | 100uL | **na** | 100 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **6/17/2022** | 50 uL | * | * | 50 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 2 uL | * | * | 2.5ug/mL |

Name of Final Standard: **8270 PAH SIM Second Source** Prep'd By (Initials): **LS**

Prep Date: **10/13/2021**

Exp Date: **6/17/2022**

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from container Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc. (range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| PAH SIM SS Stock | Phenova | AL0-130490 | 200 ug/mL | **6/17/2021** | **6/17/2022** | 5 uL | 200uL | **MC 61117 195uL** | 5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/17/2022** | 4 uL | * | * | 2.5ug/mL |

| Name of Final Standard | PAH SIM Stock (Ampule) | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Custom PAH SIM Mix | Phenova | ALO-130490 | 200 ug/mL | **CL13121-52443** | **12/31/2022** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| Name of Final Standard | SIM Surrogate | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | **A0161454-50793** | **5/31/2026** | 1 mL | 20 mL | **Acetone #0246130** | 100 ug/mL |

| Name of Final Standard | 8270 SIM PAH Internal Standard | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| SV Internal Standard | Restek | 31206 | 2000 ug/mL | **A0162879-50593** | **6/30/2026** | 625uL | 10mL | **MC 60338** | 125 ug/mL |

| Name of Final Standard | SIM SS Stock (Ampule second source) | Prep'd By | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Custom PAH SIM Mix | Phenova | ALO-130490 | 200 ug/mL | **CL13117-51757** | **12/31/2022** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| Name of Final Standard | PAH SIM Stock (Ampule) | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Custom PAH SIM Mix | Phenova | ALO-130490 | 200 ug/mL | **CL13121-52443** | **12/31/2022** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| Name of Final Standard | **SIM Surrogate** | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | **A0161454-50793** | **5/31/2026** | 1 mL | 20 mL | **Acetone #0246130** | 100 ug/mL |

| Name of Final Standard | **8270 SIM PAH Internal Standard** | Prep'd By (Initials) | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| SV Internal Standard | Restek | 31206 | 2000 ug/mL | **A0162879-50593** | **6/30/2026** | 625uL | 10mL | **MC 60338** | 125 ug/mL |

| Name of Final Standard | SIM SS Stock (Ampule second source) | Prep'd By | LS |
|---|---|---|---|
| Prep Date | 6/17/2021 | | |
| Exp Date | 6/17/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Custom PAH SIM Mix | Phenova | ALO-130490 | 200 ug/mL | **CL13117-51757** | **12/31/2022** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **5 SIM CCV (2x)** | **Prep'd By (Initials)** | **LS** |
| **Prep Date** | **10/19/2021** | | |
| **Exp Date** | **6/17/2022** | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from container Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **12/31/2022** | 5 uL | 200uL | **MC 61117 190 uL** | 5.0 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **5/31/2026** | 5 uL | * | * | 2.5ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/30/2026** | 4 uL | * | * | 2.5ug/mL |

| Name of Final Standard | SIM Surrogate | Prep'd By (Initials) | LS/IC |
|---|---|---|---|
| Prep Date | 9/21/2021 | | |
| Exp Date | 9/21/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | A0173323-52639 | 5/31/2027 | 1 mL | 20 mL | Acetone #0246130 | 100 ug/mL |

| | | | |
|---|---|---|---|
| Name of Final Standard | SIM Surrogate | Prep'd By (Initials) | LS |
| Prep Date | 8/24/2021 | | |
| Exp Date | 8/24/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | A0173323-52640 | 5/31/2027 | 1 mL | 20 mL | Acetone #0246130 | 100 ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **SIM Spike** | **Prep'd By (Initials)** | **LS** |
| **Prep Date** | **8/5/2021** | | |
| **Exp Date** | **5/28/2022** | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Custom PAH Sim Mix | Phenova | AL0-130490 | 200 ug/mL | **CL13121-50766,50767,50771,52444,52445** | **5/28/2022** | 5 mL | 25 mL | **Acetone 0246130** | 40 ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **5 SIM CCV (2x)** | **Prep'd By (Initials)** | **LS** |
| **Prep Date** | **10/19/2021** | | |
| **Exp Date** | **6/17/2022** | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from container Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **6/17/2021** | **12/31/2022** | 5 uL | 200uL | **MC 61117 190 uL** | 5.0 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **6/17/2021** | **5/31/2026** | 5 uL | * | * | 2.5ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **6/17/2021** | **6/30/2026** | 4 uL | * | * | 2.5ug/mL |

| Name of Final Standard | SIM Surrogate |
|---|---|
| Prep Date | 8/24/2021 |
| Exp Date | 8/24/2022 |

Prep'd By (Initials) LS

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | A0173323-52640 | 5/31/2027 | 1 mL | 20 mL | Acetone #0246130 | 100 ug/mL |

| Name of Final Standard | SIM Surrogate | Prep'd By (Initials) | LS/IC |
|---|---|---|---|
| Prep Date | 9/21/2021 | | |
| Exp Date | 9/21/2022 | | |

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Sim Surrogate Deuterated | Restek | 33913 | 2000 ug/mL | A0173323-52639 | 5/31/2027 | 1 mL | 20 mL | Acetone #0246130 | 100 ug/mL |

# Organic Extraction Worksheet

| Method | Continuous Liquid/Liquid SVOC 3520C | Extraction Set | 211028A | Extraction Method | LIQ003 | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | SIM Spike 10-21-21 10-21-22 | | Surrogate ID 1 | SIM Surrogate 10-21-21 10-21-22 | |
| Spiked ID 2 | | | Surrogate ID 2 | | |
| Spiked ID 3 | | | Surrogate ID 3 | | |
| Spiked ID 4 | | | Surrogate ID 4 | | |
| Spiked ID 5 | | | Surrogate ID 5 | | |
| Spiked ID 6 | | | Sufficient Vol for Matrix QC: | YES | |
| Spiked ID 7 | | | Ext. Start Time: | 10/29/21 15:29 | |
| Spiked ID 8 | | | Ext. End Time: | 10/30/21 9:32 | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 14 | 10/28/21 11:43 | Water Bath Temp 1 °C | 75/74.5 E-WB5 ° |
| pH2 | 14 | 11/29/21 11:30 | Water Bath Temp 2 °C | |
| pH3 | | | Water Bath Temp 3 °C | |

**Spiked By:** SR **Date** 10/28/2021 **Witnessed By:** CG **Date** 10/28/2021

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 211028A Blk | | | | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | |
| | | | | | | equip | E-HP10 E-WB5 | | | | |
| 2 | 211028A LCS-1 | | 0.125 | 1 | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | |
| | | | | | | equip | E-HP11 E-WB5 | | | | |
| 3 | 211028A LCSD-1 | | 0.125 | 1 | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | |
| | | | | | | equip | E-HP12 E-WB5 | | | | |
| 4 | BA44376 | BA44376W07 | | | 0.050 | 1 | 1000 | 1 | 14 | 10/29/21 11:25 | 97985 |
| | | | | | | equip | E-HP14 E-WB5 | | | | |
| 5 | BA44379 | BA44379W07 | | | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | 97984 |
| | | | | | | equip | E-HP13 E-WB5 | | | | |
| 6 | BA44380 | BA44380W05 | | | 0.050 | 1 | 950 | 1 | 14 | 10/28/21 11:27 | 97984 |
| | | | | | | equip | E-HP14 E-WB5 | | | | |
| 7 | BA44409 | BA44409W08 | | | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | 97990 |
| | | | | | | equip | E-HP15 E-WB5 | | | | |
| 8 | BA44410 MS-1 | BA44410W13 | 0.125 | 1 | 0.050 | 1 | 950 | 1 | 14 | 10/28/21 11:27 | 97996 |
| | | | | | | equip | E-HP16 E-WB5 | | | | |
| 9 | BA44410 MSD-1 | BA44410W14 | 0.125 | 1 | 0.050 | 1 | 950 | 1 | 14 | 10/28/21 11:27 | 97996 |
| | | | | | | equip | E-HP17 E-WB5 | | | | |
| 10 | BA44410 | BA44410W12 | | | 0.050 | 1 | 950 | 1 | 14 | 10/28/21 11:27 | 97996 |
| | | | | | | equip | E-HP19 E-WB5 | | | | |
| 11 | BA44411 | BA44411W03 | | | 0.050 | 1 | 1000 | 1 | 14 | 10/28/21 11:27 | 97996 |
| | | | | | | equip | E-HP20 E-WB5 | | | | |
| 12 | BA44459 | BA44459W07 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98005 |
| | | | | | | equip | E-HP15 E-WB5 | | | | |
| 13 | BA44461 | BA44461W07 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98005 |
| | | | | | | equip | E-HP16 E-WB5 | | | | |
| 14 | BA44463 | BA44463W07 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98005 |
| | | | | | | equip | E-HP17 E-WB5 | | | | |
| 15 | BA44465 | BA44465W07 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98005 |
| | | | | | | equip | E-HP19 E-WB5 | | | | |
| 16 | BA44470 | BA44470W09 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98010 |
| | | | | | | equip | E-HP20 E-WB5 | | | | |

| Solvent and Lot# | |
|---|---|
| PH Strips | HC155968 |
| Dichloromethane (DCM) | 61117 |
| | |
| 10N NaOH (10mLs) | 10/18/21-10/18/ |
| Filter Paper | 400196 |
| Na2SO4 | 2021071206 |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | KY |
| GC analyst's initials | CW |
| Date | |
| Time | |
| Refrigerator | GC_C |

| | Technician's Initials |
|---|---|
| Scanned By | SR |
| Sample Preparation | SR |
| Extraction | SR |
| Concentration | SR |

| Modified | 11/3/2021 8:05:47 AM |
|---|---|

**Reviewed By:** KY **Date** 11/3/2021

# Organic Extraction Worksheet

| Method | Continuous Liquid/Liquid SVOC 3520C | Extraction Set | 211028A | Extraction Method | LIQ003 | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | SIM Spike 10-21-21 10-21-22 | | Surrogate ID 1 | SIM Surrogate 10-21-21 10-21-22 | |
| Spiked ID 2 | | | Surrogate ID 2 | | |
| Spiked ID 3 | | | Surrogate ID 3 | | |
| Spiked ID 4 | | | Surrogate ID 4 | | |
| Spiked ID 5 | | | Surrogate ID 5 | | |
| Spiked ID 6 | | | Sufficient Vol for Matrix QC: | YES | |
| Spiked ID 7 | | | Ext. Start Time: | 10/29/21 15:29 | |
| Spiked ID 8 | | | Ext. End Time: | 10/30/21 9:32 | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 14 | 10/28/21 11:43 | Water Bath Temp 1 °C | 75/74.5 E-WB5 ° |
| pH2 | 14 | 11/29/21 11:30 | Water Bath Temp 2 °C | |
| pH3 | | | Water Bath Temp 3 °C | |

**Spiked By:** SR **Date** 10/28/2021 **Witnessed By:** CG **Date** 10/28/2021

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17 | BA44471 | BA44471W08 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98010 |
| | | | | | | equip | E-HP21 E-WB5 | | | | |
| 18 | BA44472 | BA44472W08 | | | 0.050 | 1 | 950 | 1 | 14 | 10/29/21 11:25 | 98010 |
| | | | | | | equip | E-HP22 E-WB5 | | | | |

| Solvent and Lot# | |
|---|---|
| PH Strips | HC155968 |
| Dichloromethane (DCM) | 61117 |
| | |
| 10N NaOH (10mLs) | 10/18/21-10/18/ |
| Filter Paper | 400196 |
| Na2SO4 | 2021071206 |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | KY |
| GC analyst's initials | CW |
| Date | |
| Time | |
| Refrigerator | GC_C |

| | Technician's Initials |
|---|---|
| Scanned By | SR |
| Sample Preparation | SR |
| Extraction | SR |
| Concentration | SR |

| Modified | 11/3/2021 8:05:47 AM |
|---|---|

**Reviewed By:** KY **Date** 11/3/2021

# Injection Log

Directory: M:\KYLO\DATA\211019\

| Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|
| 1 | 1019K001.D | 1 | SV TUNE 7/2/21 | | 19 Oct 21 13:58 |
| 2 | 1019K002.D | 1 | 0.1 ug/ml 10/10/21 | | 19 Oct 21 14:09 |
| 3 | 1019K003.D | 1 | 0.2 ug/ml 10/10/21 | | 19 Oct 21 14:29 |
| 4 | 1019K004.D | 1 | 0.5 ug/ml 10/10/21 | | 19 Oct 21 14:49 |
| 5 | 1019K005.D | 1 | 1 ug/ml 10/10/21 | | 19 Oct 21 15:09 |
| 6 | 1019K006.D | 1 | 5 ug/ml 10/10/21 | | 19 Oct 21 15:29 |
| 7 | 1019K007.D | 1 | 10 ug/ml 10/10/21 | | 19 Oct 21 15:49 |
| 8 | 1019K008.D | 1 | 50 ug/ml 10/10/21 | | 19 Oct 21 16:09 |
| 9 | 1019K009.D | 1 | 100 ug/ml 10/10/21 | | 19 Oct 21 16:29 |
| 10 | 1019K010.D | 1 | SS ug/ml 10/10/21 | | 19 Oct 21 16:49 |
| 85 | 1019K235.D | 1 | SV TUNE 7/2/21 | | 3 Nov 21 8:33 |
| 86 | 1019K236.D | 1 | 5 ug/ml 10/19/21 (1) | | 3 Nov 21 8:45 |
| 87 | 1019K237.D | 1 | 211028A BLK 1/1000 | | 3 Nov 21 9:04 |
| 89 | 1019K239.D | 1 | 211028A LCSD-1 1/1000 | | 3 Nov 21 9:44 |
| 90 | 1019K240.D | 1 | BA44376W07 1/1000 | | 3 Nov 21 10:04 |
| 121 | 1019K271.D | 1 | 211028A LCS-1 1/1000 | | 3 Nov 21 20:24 |
| 125 | 1019K275.D | 1 | 5 ug/ml 10/10/21 (2) | | 3 Nov 21 21:44 |

# ORGANICS
# Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: Water Instrument: Max Initials:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 1015M12.D | 1015M13.D | 1015M14.D | 1015M15.D | 1015M16.D | 1015M17.D | 1015M18.D | 1015M19.D | 1015M20.D | | | | | | | |
| 1 | I | Fluorobenzene (IS) | | | | | | | | | | | | | | | | |
| 2 | TM | Chlorotrifluoroethene | | | | | | | | | | | | | TM | | | |
| 3 | TM | Dichlorodifluoromethane | | 0.1508 | 0.1611 | 0.1414 | 0.1748 | 0.1296 | 0.1371 | 0.1510 | 0.1516 | | 0.15 | 9.4 | TM | | | |
| 4 | TM | Freon 114 | 0.0629 | 0.0771 | 0.0867 | 0.0903 | 0.0897 | 0.0706 | 0.0918 | 0.0908 | 0.0949 | | 0.08 | 13 | TM | | | |
| 5 | TM** | Chloromethane | | 0.0816 | 0.1036 | 0.0852 | 0.0940 | 0.0885 | 0.0795 | 0.0895 | 0.0924 | | 0.09 | 8.6 | TM** | | | |
| 6 | TM* | Vinyl chloride | 0.1225 | 0.1206 | 0.0979 | 0.1015 | 0.1123 | 0.1098 | 0.1056 | 0.1118 | 0.1091 | | 0.11 | 7.3 | TM* | | | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | | | | | | | | | | | | | TM | | | |
| 8 | TM | Bromomethane | 0.1252 | 0.0995 | 0.0992 | 0.0848 | 0.0948 | 0.0853 | 0.0794 | 0.0814 | 0.0879 | | 0.09 | 15 | TM | | | |
| 9 | TML | Chloroethane | 0.0933 | 0.0961 | 0.1579 | 0.0552 | 0.0706 | 0.0745 | 0.0641 | 0.0666 | 0.0815 | | 0.08 | 36 | TM | 0.994 | | |
| 10 | TM | Dichlorofluoromethane | 0.2569 | 0.3121 | 0.2592 | 0.2176 | 0.2203 | 0.2414 | 0.2187 | 0.2235 | 0.2246 | | 0.24 | 13 | TM | | | |
| 11 | TM | Trichlorofluoromethane | 0.2324 | 0.3029 | 0.2888 | 0.3134 | 0.2973 | 0.2882 | 0.2855 | 0.2975 | 0.2941 | | 0.29 | 7.9 | TM | | | |
| 12 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | | | | | | | | | | | | | TM | | | |
| 13 | TMQ | Acrolein | 0.0166 | 0.0144 | 0.0135 | 0.0153 | 0.0136 | 0.0142 | 0.0135 | 0.0145 | 0.0144 | | 0.01 | 7.0 | TM | 0.997 | | |
| 14 | TM | Acetone | 0.0398 | 0.0304 | 0.0345 | 0.0331 | 0.0310 | 0.0319 | 0.0307 | 0.0309 | 0.0310 | | 0.03 | 9.3 | TM | | | |
| 15 | TM | Freon-113 | 0.1116 | 0.1300 | 0.1296 | 0.1218 | 0.1150 | 0.1068 | 0.1175 | 0.1124 | 0.1135 | | 0.12 | 6.9 | TM | | | |
| 16 | TM | Acetonitrile | 0.0101 | 0.0070 | 0.0074 | 0.0070 | 0.0076 | 0.0073 | 0.0076 | 0.0080 | 0.0077 | | 0.01 | 12 | TM | | | |
| 17 | TML | 2-propanol | | | | | | | | | | | | | TM | | | |
| 18 | TM | 1,2-Dichlorotrifluoroethane | 0.2569 | 0.3121 | 0.2592 | 0.2176 | 0.2203 | 0.2414 | 0.2187 | 0.2235 | 0.2247 | | 0.24 | 13 | TM | | | |
| 19 | TM* | 1,1-DCE | 0.1787 | 0.1830 | 0.1897 | 0.1807 | 0.1708 | 0.1678 | 0.1697 | 0.1653 | 0.1699 | | 0.18 | 4.7 | TM* | | | |
| 20 | TMQ | t-Butanol | 0.0115 | 0.0086 | 0.0097 | 0.0102 | 0.0110 | 0.0102 | 0.0098 | | | | 0.01 | 9.2 | TM | 0.995 | | |
| 21 | TMQ | Methyl Acetate | | 0.0500 | 0.0481 | 0.0566 | 0.0491 | 0.0547 | 0.0536 | 0.0554 | 0.0547 | | 0.05 | 6.1 | TM | 1.000 | | |
| 22 | TML | Iodomethane | 0.1065 | 0.1250 | 0.0882 | 0.0717 | 0.0979 | 0.1158 | 0.1130 | 0.1296 | 0.1388 | | 0.11 | 19 | TM | 0.998 | | |
| 23 | TML | Acrylonitrile | 0.0088 | 0.0055 | 0.0298 | 0.0239 | 0.0337 | 0.0321 | 0.0316 | 0.0309 | 0.0304 | | 0.03 | 42 | TM | 1.000 | | |
| 24 | TM | 2-Methylpentane | | | | | | | | | | | | | TM | | | |
| 25 | TM | Methylene chloride | 0.1502 | 0.1032 | 0.1123 | 0.1093 | 0.1063 | 0.1155 | 0.1083 | 0.1086 | 0.1035 | | 0.11 | 13 | TM | | | |
| 26 | TM | Carbon disulfide | 0.1567 | 0.1530 | 0.1390 | 0.1605 | 0.1324 | 0.1389 | 0.1392 | 0.1362 | 0.1258 | | 0.14 | 8.2 | TM | | | |
| 27 | TM | Methyl t-butyl ether (MtBE) | 0.4054 | 0.3871 | 0.3993 | 0.3508 | 0.3716 | 0.3784 | 0.3615 | 0.3797 | 0.3589 | | 0.38 | 4.9 | TM | | | |
| 28 | TM | Trans-1,2-DCE | | 0.1591 | 0.1103 | 0.1150 | 0.1200 | 0.1175 | 0.1222 | 0.1143 | 0.1180 | | 0.12 | 13 | TM | | | |
| 29 | TML | 3-Methylpentane | 0.0803 | 0.0784 | 0.0715 | 0.0806 | 0.0660 | 0.0664 | 0.0682 | 0.0593 | 0.0607 | | 0.07 | 12 | TM | 0.999 | | |
| 30 | TM | Hexane | | | | | | | | | | | | | TM | | | |
| 31 | TM | Diisopropyl Ether | 0.1713 | 0.2278 | 0.2501 | 0.2487 | 0.2546 | 0.2465 | 0.2359 | 0.2412 | 0.2396 | | 0.24 | 11 | TM | | | |
| 32 | TM** | 1,1-DCA | 0.1334 | 0.1964 | 0.2073 | 0.1858 | 0.1835 | 0.1860 | 0.1867 | 0.1843 | 0.1844 | | 0.18 | 11 | TM** | | | |
| 33 | TM | Vinyl Acetate | | | | | | | | | | | | | TM | | | |
| 34 | TM | Ethyl tert Butyl Ether | 0.2869 | 0.3155 | 0.2850 | 0.3007 | 0.3100 | 0.3054 | 0.3017 | 0.3165 | 0.2971 | | 0.30 | 3.7 | TM | | | |
| 35 | TML | Methylcyclopentane | 0.0042 | 0.0425 | 0.0170 | 0.0155 | 0.0146 | 0.0129 | 0.0124 | 0.0132 | 0.0113 | | 0.02 | 66 | TM | 0.996 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: Water Instrument: Max Initials:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | TM | MEK (2-Butanone) | 0.0332 | 0.0326 | 0.0363 | 0.0351 | 0.0325 | 0.0357 | 0.0324 | 0.0342 | 0.0346 | | 0.03 | 4.3 | TM | | | |
| 37 | TM | Cis-1,2-DCE | 0.1508 | 0.1567 | 0.1446 | 0.1113 | 0.1316 | 0.1360 | 0.1266 | 0.1312 | 0.1278 | | 0.14 | 10 | TM | | | |
| 38 | TM | 2,2-Dichloropropane | 0.2829 | 0.2366 | 0.2197 | 0.2193 | 0.2309 | 0.2454 | 0.2308 | 0.2242 | 0.2240 | | 0.23 | 8.5 | TM | | | |
| 39 | TM* | Chloroform | 0.1554 | 0.2020 | 0.2501 | 0.2382 | 0.2569 | 0.2726 | 0.2578 | 0.2540 | 0.2523 | | 0.24 | 15 | TM* | | | |
| 40 | TML | Bromochloromethane | 0.1040 | 0.0920 | 0.0931 | 0.1176 | 0.1094 | 0.1056 | 0.1049 | 0.1084 | 0.1009 | | 0.10 | 7.7 | TM | 0.999 | | |
| 41 | S | Dibromofluoromethane(S) | 0.3580 | 0.3340 | 0.3038 | 0.2941 | 0.3047 | 0.3136 | 0.2987 | 0.3015 | 0.2862 | | 0.31 | 7.2 | S | | | |
| 42 | TM | 1,1,1-TCA | 0.2636 | 0.2422 | 0.2707 | 0.2885 | 0.2921 | 0.2898 | 0.2963 | 0.2887 | 0.2800 | | 0.28 | 6.3 | TM | | | |
| 43 | TM | Cyclohexane | 0.0786 | 0.0832 | 0.0908 | 0.0807 | 0.0825 | 0.0701 | 0.0773 | 0.0765 | 0.0788 | | 0.08 | 7.0 | TM | | | |
| 44 | TM | 1,1-Dichloropropene | 0.1321 | 0.1579 | 0.1511 | 0.1468 | 0.1674 | 0.1534 | 0.1551 | 0.1496 | 0.1495 | | 0.15 | 6.2 | TM | | | |
| 45 | TM | 2,2,4-Trimethylpentane | 0.2393 | 0.1672 | 0.2119 | 0.2264 | 0.1839 | 0.1678 | 0.1830 | 0.1923 | 0.1956 | | 0.20 | 13 | TM | | | |
| 46 | S | 1,2-DCA-D4(S) | 0.2537 | 0.2270 | 0.2111 | 0.2053 | 0.2170 | 0.2102 | 0.2102 | 0.2107 | 0.2039 | | 0.22 | 7.2 | S | | | |
| 47 | TM | Carbon Tetrachloride | 0.2703 | 0.2346 | 0.2668 | 0.2614 | 0.2739 | 0.2671 | 0.2581 | 0.2643 | 0.2660 | | 0.26 | 4.4 | TM | | | |
| 48 | TM | Tert Amyl Methyl Ether | 0.2852 | 0.3313 | 0.2672 | 0.2865 | 0.3043 | 0.3119 | 0.2953 | 0.3074 | 0.2915 | | 0.30 | 6.2 | TM | | | |
| 49 | TM | 1,2-DCA | 0.2196 | 0.2210 | 0.2380 | 0.2461 | 0.2367 | 0.2417 | 0.2309 | 0.2437 | 0.2374 | | 0.24 | 4.0 | TM | | | |
| 50 | TM | Benzene | 0.4803 | 0.4517 | 0.4397 | 0.4236 | 0.4345 | 0.4448 | 0.4245 | 0.4267 | 0.4199 | | 0.44 | 4.3 | TM | | | |
| 51 | TM | TCE | 0.1271 | 0.1743 | 0.1565 | 0.1358 | 0.1245 | 0.1448 | 0.1323 | 0.1347 | 0.1332 | | 0.14 | 11 | TM | | | |
| 52 | TM | 2-Pentanone | 0.0582 | 0.0562 | 0.0561 | 0.0572 | 0.0561 | 0.0576 | 0.0555 | 0.0577 | 0.0580 | | 0.06 | 1.8 | TM | | | |
| 53 | TM*L | 1,2-Dichloropropane | 0.0482 | 0.0546 | 0.0514 | 0.0360 | 0.0419 | 0.0501 | 0.0484 | 0.0514 | 0.0467 | | 0.05 | 12 | TM* | 0.998 | | |
| 54 | TM | Bromodichloromethane | 0.1483 | 0.2146 | 0.1662 | 0.2030 | 0.2205 | 0.2025 | 0.2006 | 0.2104 | 0.2051 | | 0.20 | 12 | TM | | | |
| 55 | TML | Methyl Cyclohexane | 0.1984 | 0.1391 | 0.1440 | 0.1602 | 0.1519 | 0.1358 | 0.1512 | 0.1540 | 0.1531 | | 0.15 | 12 | TM | 1.000 | | |
| 56 | TM | Dibromomethane | 0.0944 | 0.0820 | 0.1045 | 0.0868 | 0.0845 | 0.0850 | 0.0766 | 0.0795 | 0.0773 | | 0.09 | 10 | TM | | | |
| 57 | TM | MIBK (methyl isobutyl ketone) | 0.0770 | 0.0658 | 0.0724 | 0.0771 | 0.0701 | 0.0753 | 0.0704 | 0.0737 | 0.0738 | | 0.07 | 5.0 | TM | | | |
| 58 | TML | 1-Bromo-2-chloroethane | 0.0302 | 0.0087 | 0.0167 | 0.0232 | 0.0320 | 0.0269 | 0.0274 | 0.0281 | 0.0275 | | 0.02 | 30 | TM | 1.000 | | |
| 59 | TM | 2-Chloroethyl vinyl ether | | | | | | | | | | | | | TM | | | |
| 60 | TM | Cis-1,3-Dichloropropene | 0.1208 | 0.1719 | 0.1709 | 0.1894 | 0.1907 | 0.1839 | 0.1841 | 0.1860 | 0.1894 | | 0.18 | 13 | TM | | | |
| 61 | TM* | Toluene | 0.5522 | 0.4801 | 0.4779 | 0.4772 | 0.5146 | 0.5462 | 0.5004 | 0.5063 | 0.5080 | | 0.51 | 5.5 | TM* | | | |
| 62 | TM | Trans-1,3-Dichloropropene | 0.1393 | 0.1391 | 0.1685 | 0.1795 | 0.1887 | 0.1861 | 0.1833 | 0.1944 | 0.1948 | | 0.17 | 12 | TM | | | |
| 63 | TM | 1,1,2-TCA | 0.0935 | 0.0961 | 0.0637 | 0.0759 | 0.0732 | 0.0810 | 0.0731 | 0.0753 | 0.0756 | | 0.08 | 13 | TM | | | |
| 64 | TM | 2-Hexanone | 0.0466 | 0.0396 | 0.0499 | 0.0508 | 0.0466 | 0.0527 | 0.0507 | 0.0528 | 0.0538 | | 0.05 | 9.0 | TM | | | |
| 65 | I | Chlorobenzene-D5 (IS) | | | | | | | | | | | | | | | | |
| 66 | S | Toluene-D8(S) | 1.339 | 1.273 | 1.107 | 1.107 | 1.129 | 1.132 | 1.110 | 1.106 | 1.038 | | 1.1 | 8.2 | S | | | |
| 67 | TM | 1,2-EDB | 0.1119 | 0.1589 | 0.1216 | 0.1371 | 0.1335 | 0.1292 | 0.1341 | 0.1299 | 0.1309 | | 0.13 | 9.6 | TM | | | |
| 68 | TML | Tetrachloroethene | 0.6091 | 0.3484 | 0.2276 | 0.1756 | 0.1358 | 0.1173 | 0.1351 | 0.1232 | 0.1143 | | 0.22 | 74 | TM | 0.999 | | |
| 69 | TM | 1-Chlorohexane | 0.1152 | 0.0891 | 0.1082 | 0.0965 | 0.1019 | 0.0897 | 0.0993 | 0.0952 | 0.0980 | | 0.10 | 8.4 | TM | | | |
| 70 | TM | 1,1,1,2-Tetrachloroethane | 0.1391 | 0.1828 | 0.1648 | 0.1859 | 0.2121 | 0.2018 | 0.1949 | 0.1960 | 0.1965 | | 0.19 | 12 | TM | | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 10/15/2021
Matrix: Water Instrument: Max Initials:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | TM | m&p-Xylene | 0.2844 | 0.2517 | 0.2669 | 0.2707 | 0.2937 | 0.2972 | 0.2994 | 0.2919 | 0.2876 | | 0.28 | 5.7 | TM | | | |
| 72 | TM | o-Xylene | 0.3290 | 0.3153 | 0.3138 | 0.2563 | 0.2863 | 0.2930 | 0.2871 | 0.2939 | 0.2927 | | 0.30 | 7.1 | TM | | | |
| 73 | TM | Styrene | 0.4104 | 0.4286 | 0.3830 | 0.4298 | 0.4621 | 0.4757 | 0.4696 | 0.4735 | 0.4835 | | 0.45 | 7.8 | TM | | | |
| 74 | S | 4-Bromofluorobenzene(S) | 0.5305 | 0.4709 | 0.4295 | 0.4339 | 0.4550 | 0.4619 | 0.4657 | 0.4698 | 0.4596 | | 0.46 | 6.2 | S | | | |
| 75 | TM | 1,3-Dichloropropane | 0.2500 | 0.1841 | 0.1902 | 0.1782 | 0.1994 | 0.1925 | 0.1833 | 0.1867 | 0.1812 | | 0.19 | 11 | TM | | | |
| 76 | TM | Dibromochloromethane | 0.2041 | 0.1894 | 0.1919 | 0.1859 | 0.1928 | 0.1923 | 0.1967 | 0.1988 | 0.1947 | | 0.19 | 2.8 | TM | | | |
| 77 | TM** | Chlorobenzene | 0.4530 | 0.4058 | 0.3834 | 0.4602 | 0.4488 | 0.4441 | 0.4397 | 0.4331 | 0.4323 | | 0.43 | 5.6 | TM** | | | |
| 78 | TM* | Ethylbenzene | 0.8163 | 0.6181 | 0.6491 | 0.6508 | 0.7106 | 0.6823 | 0.6773 | 0.6899 | 0.6792 | | 0.69 | 8.1 | TM* | | | |
| 79 | TM** | Bromoform | 0.1795 | 0.1248 | 0.1586 | 0.1638 | 0.1562 | 0.1606 | 0.1638 | 0.1699 | 0.1727 | | 0.16 | 9.6 | TM** | | | |
| 80 | I | 1,4-Dichlorobenzene-D (IS) | | | | | | | | | | | | | | | | |
| 81 | TM | Isopropylbenzene | 1.406 | 1.232 | 1.129 | 1.052 | 1.159 | 1.126 | 1.148 | 1.104 | 1.137 | | 1.2 | 8.7 | TM | | | |
| 82 | TM** | 1,1,2,2-Tetrachloroethane | | 0.2460 | 0.2121 | 0.2073 | 0.1907 | 0.1939 | 0.1838 | 0.1825 | 0.1841 | | 0.20 | 11 | TM** | | | |
| 83 | TM | 1,2,3-Trichloropropane | | 0.1099 | 0.0947 | 0.1052 | 0.1046 | 0.0956 | 0.0992 | 0.0943 | 0.0968 | | 0.10 | 5.8 | TM | | | |
| 84 | TML | t-1,4-Dichloro-2-Butene | 0.1357 | 0.0279 | 0.0748 | 0.0564 | 0.0450 | 0.0484 | 0.0489 | 0.0515 | 0.0523 | | 0.06 | 51 | TM | 1.000 | | |
| 85 | TM | Bromobenzene | 0.4062 | 0.4088 | 0.3460 | 0.4046 | 0.3788 | 0.3610 | 0.3870 | 0.3662 | 0.3760 | | 0.38 | 5.8 | TM | | | |
| 86 | TM | n-Propylbenzene | 1.201 | 1.175 | 1.139 | 1.072 | 1.136 | 1.178 | 1.160 | 1.146 | 1.156 | | 1.2 | 3.2 | TM | | | |
| 87 | TM | 4-Ethyltoluene | 1.173 | 0.9909 | 1.012 | 1.065 | 1.034 | 1.080 | 1.086 | 1.056 | 1.072 | | 1.1 | 4.9 | TM | | | |
| 88 | TM | 2-Chlorotoluene | 1.032 | 1.018 | 0.9358 | 0.9070 | 0.9024 | 0.9205 | 0.8841 | 0.8629 | 0.7541 | | 0.91 | 9.0 | TM | | | |
| 89 | TM | 1,3,5-Trimethylbenzene | 1.111 | 1.007 | 0.9502 | 0.8656 | 1.004 | 1.040 | 1.002 | 0.9694 | 1.004 | | 0.99 | 6.7 | TM | | | |
| 90 | TM | 4-Chlorotoluene | 0.9827 | 0.9428 | 0.8406 | 0.9352 | 0.8957 | 0.9074 | 0.9014 | 0.8707 | 0.8848 | | 0.91 | 4.6 | TM | | | |
| 91 | TM | Tert-Butylbenzene | 0.4821 | 0.4878 | 0.5201 | 0.4933 | 0.5732 | 0.5707 | 0.6035 | 0.5946 | 0.6177 | | 0.55 | 9.8 | TM | | | |
| 92 | TM | 1,2,4-Trimethylbenzene | 0.7998 | 0.9460 | 0.8049 | 0.9155 | 0.9690 | 0.9763 | 1.035 | 1.004 | 1.031 | | 0.94 | 9.4 | TM | | | |
| 93 | TM | Sec-Butylbenzene | 1.011 | 0.9172 | 0.9188 | 1.056 | 1.073 | 1.105 | 1.121 | 1.107 | 1.151 | | 1.1 | 8.1 | TM | | | |
| 94 | TM | p-Isopropyltoluene | | 0.8303 | 0.8889 | 0.9044 | 1.049 | 1.057 | 1.118 | 1.118 | 1.161 | | 1.0 | 12 | TM | | | |
| 95 | TM | Benzyl Chloride | 0.2242 | 0.2792 | 0.2661 | 0.2638 | 0.2167 | 0.2173 | 0.2234 | 0.2228 | 0.2515 | | 0.24 | 10 | TM | | | |
| 96 | TM | 1,3-DCB | 0.8194 | 0.6364 | 0.5705 | 0.6021 | 0.6799 | 0.6575 | 0.6709 | 0.6645 | 0.6786 | | 0.66 | 10 | TM | | | |
| 97 | TM | 1,4-DCB | 0.8033 | 0.7211 | 0.7006 | 0.5831 | 0.6388 | 0.6540 | 0.6682 | 0.6466 | 0.6748 | | 0.68 | 9.1 | TM | | | |
| 98 | TML | n-Butylbenzene | 0.4112 | 0.4841 | 0.4046 | 0.4944 | 0.5656 | 0.5974 | 0.6856 | 0.7160 | 0.7902 | | 0.57 | 24 | TM | 0.998 | | |
| 99 | TM | 1,2-DCB | 0.6692 | 0.6405 | 0.5987 | 0.6470 | 0.6582 | 0.6539 | 0.6635 | 0.6423 | 0.6804 | | 0.65 | 3.6 | TM | | | |
| 100 | TM | Hexachloroethane | 0.1548 | 0.1591 | 0.2055 | 0.1841 | 0.1602 | 0.1575 | 0.1628 | 0.1663 | 0.1819 | | 0.17 | 9.9 | TM | | | |
| 101 | TML | 1,2-Dibromo-3-chloropropane | 0.0088 | 0.0293 | 0.0318 | 0.0402 | 0.0481 | 0.0559 | 0.0579 | 0.0579 | 0.0634 | | 0.04 | 41 | TM | 0.999 | | |
| 102 | TML | 1,2,4-Trichlorobenzene | 0.1483 | 0.1203 | 0.1072 | 0.1196 | 0.1592 | 0.1983 | 0.2646 | 0.2864 | 0.3386 | | 0.19 | 43 | TM | 0.995 | | |
| 103 | TML | Hexachlorobutadiene | 0.2376 | 0.1684 | 0.1828 | 0.2143 | 0.2245 | 0.2533 | 0.2820 | 0.2891 | 0.3092 | | 0.24 | 20 | TM | 0.999 | | |
| 104 | TMQ | Naphthalene | 0.3645 | 0.2801 | 0.2235 | 0.2250 | 0.3044 | 0.4145 | 0.5147 | 0.6032 | 0.7496 | | 0.41 | 44 | TM | 1.000 | | |
| 105 | TML | 1,2,3-Trichlorobenzene | 0.1506 | 0.1044 | 0.1263 | 0.1303 | 0.2031 | 0.2496 | 0.3344 | 0.3708 | 0.4644 | | 0.24 | 54 | TM | 0.992 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 397342 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 352293 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 217437 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 28448 | 5.92 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 23.696% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 20160 | 6.18 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 24.716% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 94364 | 5.92 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 23.668% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 37378 | 5.45 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 21.784% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.02 | 116 | 2364 | 15.17 | ppb | # | 72 |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 437 | 0.22 | ppb | # | 64 |
| 4) Freon 114 | 1.29 | 85 | 300 | 0.18 | ppb | # | 59 |
| 5) Chloromethane | 1.33 | 50 | 657 | 0.32 | ppb | # | 81 |
| 6) Vinyl chloride | 1.42 | 62 | 584 | 0.40 | ppb | # | 61 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 2099 | 48.48 | ppb | # | 60 |
| 9) Chloroethane | 1.80 | 64 | 445 | 0.36 | ppb | # | 44 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 1225 | 0.36 | ppb | | 93 |
| 11) Trichlorofluoromethane | 2.01 | 101 | 1108 | 0.29 | ppb | | 94 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.21 | 85 | 45 | 37.16 | ppb | # | 100 |
| 13) Acrolein | 2.44 | 56 | 2646 | 7.09 | ppb | | 94 |
| 14) Acetone | 2.61 | 43 | 3165 | 6.98 | ppb | | 98 |
| 15) Freon-113 | 2.54 | 151 | 532 | 0.30 | ppb | # | 45 |
| 16) Acetonitrile | 2.92 | 41 | 1607 | 12.67 | ppb | # | 73 |
| 17) 2-propanol | 2.28 | 45 | 21 | 1.12 | ppb | | 92 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 1225 | 0.36 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 852 | 0.37 | ppb | # | 84 |
| 20) t-Butanol | 3.33 | 59 | 1829 | 6.84 | ppb | | 100 |
| 21) Methyl Acetate | 2.98 | 43 | 391 | 0.48 | ppb | # | 49 |
| 22) Iodomethane | 2.67 | 142 | 508 | 1.49 | ppb | # | 65 |
| 23) Acrylonitrile | 3.35 | 53 | 42 | 0.18 | ppb | # | 21 |
| 25) Methylene chloride | 3.08 | 84 | 716 | 0.43 | ppb | | 98 |
| 26) Carbon disulfide | 2.72 | 76 | 747 | 0.33 | ppb | # | 82 |
| 27) Methyl t-butyl ether (MtBE | 3.46 | 73 | 1933 | 0.36 | ppb | # | 58 |
| 28) Trans-1,2-DCE | 3.44 | 96 | 316 | -0.63 | ppb | # | 66 |
| 29) 3-Methylpentane | 3.50 | 57 | 383 | -0.20 | ppb | # | 14 |
| 30) Hexane | 3.64 | 56 | 45 | 2.06 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 31) | Diisopropyl Ether | 4.25 | 45 | 817 | 0.22 | ppb | # | 85 |
| 32) | 1,1-DCA | 4.07 | 63 | 636 | 0.23 | ppb | # | 52 |
| 33) | Vinyl Acetate | 4.21 | 43 | 543 | 0.41 | ppb | # | 77 |
| 34) | Ethyl tert Butyl Ether | 4.78 | 59 | 1368 | 0.28 | ppb | | 93 |
| 35) | Methylcyclopentane | 4.75 | 56 | 20 | 0.10 | ppb | | 100 |
| 36) | MEK (2-Butanone) | 4.98 | 43 | 2641 | 4.99 | ppb | # | 85 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 719 | 0.37 | ppb | # | 64 |
| 38) | 2,2-Dichloropropane | 4.88 | 77 | 1349 | 0.38 | ppb | # | 61 |
| 39) | Chloroform | 5.36 | 83 | 741 | 0.20 | ppb | | 79 |
| 40) | Bromochloromethane | 5.23 | 130 | 496 | -0.43 | ppb | # | 74 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 1257 | 0.32 | ppb | # | 75 |
| 43) | Cyclohexane | 5.57 | 41 | 375 | 0.32 | ppb | # | 22 |
| 44) | 1,1-Dichloropropene | 5.74 | 75 | 630 | 0.28 | ppb | # | 37 |
| 45) | 2,2,4-Trimethylpentane | 6.13 | 57 | 1141 | 0.32 | ppb | # | 36 |
| 47) | Carbon Tetrachloride | 5.73 | 117 | 1289 | 0.36 | ppb | # | 68 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 1360 | 0.28 | ppb | # | 91 |
| 49) | 1,2-DCA | 6.05 | 62 | 1047 | 0.31 | ppb | # | 81 |
| 50) | Benzene | 5.99 | 78 | 2290 | 0.37 | ppb | # | 84 |
| 51) | TCE | 6.75 | 95 | 606 | -0.55 | ppb | # | 79 |
| 52) | 2-Pentanone | 7.01 | 43 | 9248 | 10.52 | ppb | | 94 |
| 54) | Bromodichloromethane | 7.31 | 83 | 707 | 0.24 | ppb | | 90 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 946 | -0.21 | ppb | # | 70 |
| 56) | Dibromomethane | 7.12 | 93 | 450 | 0.40 | ppb | # | 72 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 6119 | 5.11 | ppb | # | 93 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 144 | 0.35 | ppb | # | 15 |
| 59) | 2-Chloroethyl vinyl ether | 7.55 | 43 | 20 | 15.83 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 576 | 0.21 | ppb | # | 79 |
| 61) | Toluene | 8.12 | 91 | 2633 | 0.34 | ppb | | 80 |
| 62) | Trans-1,3-Dichloropropene | 8.38 | 75 | 664 | 0.24 | ppb | # | 29 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 446 | 0.37 | ppb | # | 57 |
| 64) | 2-Hexanone | 8.83 | 43 | 3704 | 4.34 | ppb | # | 75 |
| 67) | 1,2-EDB | 9.03 | 107 | 473 | 0.30 | ppb | | 100 |
| 68) | Tetrachloroethene | 8.66 | 164 | 2575 | 1.67 | ppb | # | 81 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 487 | 0.35 | ppb | | 82 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.61 | 131 | 588 | 0.23 | ppb | | 78 |
| 71) | m&p-Xylene | 9.77 | 106 | 2405 | 0.62 | ppb | | 90 |
| 72) | o-Xylene | 10.17 | 106 | 1391 | 0.36 | ppb | # | 50 |
| 73) | Styrene | 10.18 | 104 | 1735 | 0.27 | ppb | # | 81 |
| 75) | 1,3-Dichloropropane | 8.72 | 76 | 1057 | 0.44 | ppb | # | 80 |
| 76) | Dibromochloromethane | 8.93 | 129 | 863 | 0.35 | ppb | # | 72 |
| 77) | Chlorobenzene | 9.53 | 112 | 1915 | 0.32 | ppb | | 91 |
| 78) | Ethylbenzene | 9.65 | 91 | 3451 | 0.39 | ppb | | 91 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 79) | Bromoform | 10.35 | 173 | 759 | 0.37 | ppb | | 89 |
| 81) | Isopropylbenzene | 10.53 | 105 | 3669 | 0.39 | ppb | | 90 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 842 | 0.53 | ppb | # | 56 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 81 | -0.27 | ppb | # | 6 |
| 84) | t-1,4-Dichloro-2-Butene | 10.91 | 53 | 354 | 1.04 | ppb | # | 3 |
| 85) | Bromobenzene | 10.81 | 156 | 1060 | 0.33 | ppb | | 76 |
| 86) | n-Propylbenzene | 10.94 | 91 | 3134 | 0.33 | ppb | | 99 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 3060 | 0.34 | ppb | | 92 |
| 88) | 2-Chlorotoluene | 11.02 | 91 | 2692 | 0.36 | ppb | | 99 |
| 89) | 1,3,5-Trimethylbenzene | 11.13 | 105 | 2898 | 0.36 | ppb | | 96 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 2564 | 0.34 | ppb | | 89 |
| 91) | Tert-Butylbenzene | 11.45 | 119 | 1258 | 0.27 | ppb | | 87 |
| 92) | 1,2,4-Trimethylbenzene | 11.48 | 105 | 2087 | 0.47 | ppb | | 79 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 2637 | 0.31 | ppb | | 97 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 1811 | 0.55 | ppb | # | 62 |
| 95) | Benzyl Chloride | 11.99 | 91 | 585 | 0.27 | ppb | # | 89 |
| 96) | 1,3-DCB | 11.76 | 146 | 2138 | 0.40 | ppb | | 89 |
| 97) | 1,4-DCB | 11.85 | 146 | 2096 | -0.11 | ppb | # | 61 |
| 98) | n-Butylbenzene | 12.22 | 91 | 1073 | 1.08 | ppb | # | 82 |
| 99) | 1,2-DCB | 12.22 | 146 | 1746 | 0.33 | ppb | # | 84 |
| 100) | Hexachloroethane | 12.46 | 117 | 404 | 0.14 | ppb | # | 66 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.06 | 75 | 23 | 0.87 | ppb | # | 1 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 387 | 2.26 | ppb | # | 70 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 620 | 1.04 | ppb | # | 64 |
| 104) | Naphthalene | 14.05 | 128 | 951 | 0.77 | ppb | # | 69 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 393 | 3.03 | ppb | # | 70 |

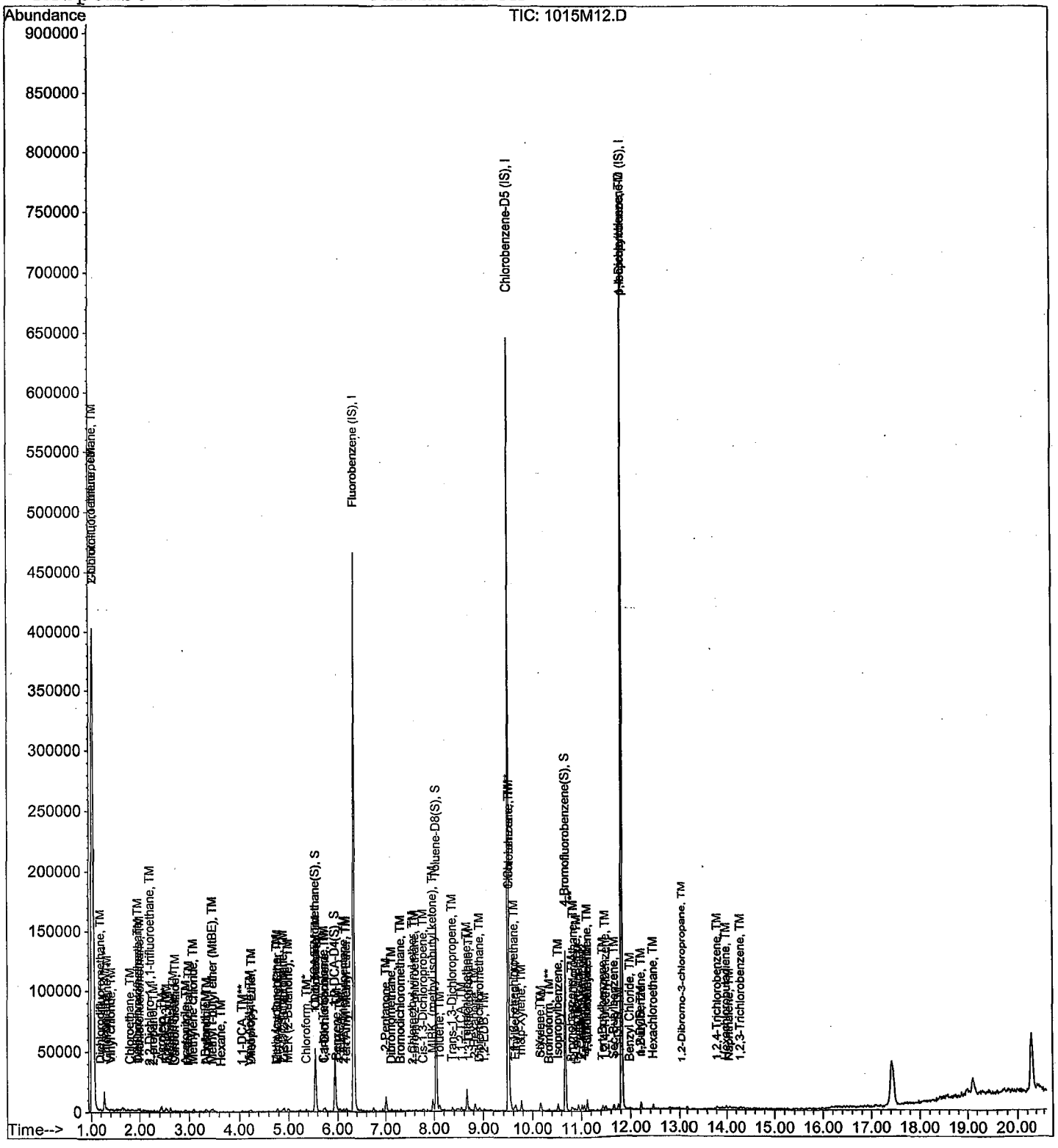
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M12.D Vial: 2
Acq On : 15 Oct 21 15:12 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 396824 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 348546 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 220294 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 26504 | 5.53 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.108% | | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 18016 | 5.53 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.116% | | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 88728 | 5.62 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.496% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 32826 | 4.83 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 19.340% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.02 | 116 | 1922 | 12.35 | ppb | | 94 |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 1197 | 0.59 | ppb | | 94 |
| 4) Freon 114 | 1.28 | 85 | 612 | 0.36 | ppb | | 83 |
| 5) Chloromethane | 1.33 | 50 | 648 | 0.31 | ppb | | 91 |
| 6) Vinyl chloride | 1.42 | 62 | 957 | 0.65 | ppb | | 91 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 2181 | 50.44 | ppb | # | 40 |
| 8) Bromomethane | 1.68 | 94 | 790 | 0.18 | ppb | | 95 |
| 9) Chloroethane | 1.78 | 64 | 763 | 0.68 | ppb | # | 70 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 2477 | 0.74 | ppb | | 87 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 2404 | 0.63 | ppb | | 83 |
| 13) Acrolein | 2.44 | 56 | 5714 | 15.34 | ppb | | 85 |
| 14) Acetone | 2.61 | 43 | 4830 | 10.67 | ppb | | 100 |
| 15) Freon-113 | 2.52 | 151 | 1032 | 0.59 | ppb | # | 76 |
| 16) Acetonitrile | 2.93 | 41 | 2762 | 21.81 | ppb | | 95 |
| 17) 2-propanol | 2.24 | 45 | 71 | 3.78 | ppb | # | 36 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 2477 | 0.74 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 1452 | 0.63 | ppb | # | 80 |
| 20) t-Butanol | 3.34 | 59 | 3416 | 24.57 | ppb | | 100 |
| 21) Methyl Acetate | 3.00 | 43 | 397 | 0.49 | ppb | # | 26 |
| 22) Iodomethane | 2.66 | 142 | 992 | 1.75 | ppb | # | 91 |
| 23) Acrylonitrile | 3.45 | 53 | 44 | 0.18 | ppb | # | 21 |
| 24) 2-Methylpentane | 2.05 | 71 | 22 | 9.10 | ppb | | 100 |
| 25) Methylene chloride | 3.08 | 84 | 819 | 0.49 | ppb | # | 62 |
| 26) Carbon disulfide | 2.71 | 76 | 1214 | 0.54 | ppb | # | 76 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 3072 | 0.57 | ppb | | 100 |
| 29) 3-Methylpentane | 3.46 | 57 | 622 | 0.08 | ppb | # | 88 |
| 31) Diisopropyl Ether | 4.25 | 45 | 1808 | 0.49 | ppb | # | 66 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 32) | 1,1-DCA | 4.05 | 63 | 1559 | 0.57 ppb | # | 74 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 2504 | 0.51 ppb | | 99 |
| 35) | Methylcyclopentane | 4.76 | 56 | 337 | 1.65 ppb | | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 5170 | 9.78 ppb | # | 82 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 1244 | 0.65 ppb | # | 59 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 1878 | 0.53 ppb | | 98 |
| 39) | Chloroform | 5.37 | 83 | 1603 | 0.43 ppb | | 89 |
| 40) | Bromochloromethane | 5.22 | 130 | 730 | -0.26 ppb | # | 78 |
| 42) | 1,1,1-TCA | 5.55 | 97 | 1922 | 0.49 ppb | # | 85 |
| 43) | Cyclohexane | 5.58 | 41 | 660 | 0.56 ppb | # | 25 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 1253 | 0.56 ppb | # | 53 |
| 45) | 2,2,4-Trimethylpentane | 6.11 | 57 | 1327 | 0.38 ppb | | 93 |
| 47) | Carbon Tetrachloride | 5.73 | 117 | 1862 | 0.52 ppb | | 93 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 2629 | 0.55 ppb | | 93 |
| 49) | 1,2-DCA | 6.04 | 62 | 1754 | 0.51 ppb | # | 90 |
| 50) | Benzene | 5.99 | 78 | 3585 | 0.57 ppb | # | 79 |
| 51) | TCE | 6.75 | 95 | 1383 | -0.12 ppb | # | 62 |
| 52) | 2-Pentanone | 7.01 | 43 | 22294 | 25.38 ppb | | 99 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 433 | 0.34 ppb | # | 78 |
| 54) | Bromodichloromethane | 7.31 | 83 | 1703 | 0.58 ppb | | 76 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 1104 | -0.14 ppb | | 89 |
| 56) | Dibromomethane | 7.13 | 93 | 651 | 0.58 ppb | # | 59 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 10443 | 8.74 ppb | # | 85 |
| 58) | 1-Bromo-2-chloroethane | 7.63 | 144 | 69 | 0.17 ppb | # | 15 |
| 59) | 2-Chloroethyl vinyl ether | 7.72 | 43 | 20 | 15.85 ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 1364 | 0.50 ppb | # | 83 |
| 61) | Toluene | 8.12 | 91 | 3810 | 0.50 ppb | | 85 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 1104 | 0.39 ppb | # | 67 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 763 | 0.63 ppb | # | 68 |
| 64) | 2-Hexanone | 8.83 | 43 | 6286 | 7.37 ppb | # | 75 |
| 67) | 1,2-EDB | 9.03 | 107 | 1108 | 0.71 ppb | # | 61 |
| 68) | Tetrachloroethene | 8.66 | 164 | 2429 | 1.59 ppb | # | 78 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 621 | 0.45 ppb | | 86 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 1274 | 0.50 ppb | | 97 |
| 71) | m&p-Xylene | 9.77 | 106 | 3509 | 0.92 ppb | | 76 |
| 72) | o-Xylene | 10.16 | 106 | 2198 | 0.57 ppb | | 64 |
| 73) | Styrene | 10.18 | 104 | 2988 | 0.47 ppb | | 87 |
| 75) | 1,3-Dichloropropane | 8.72 | 76 | 1283 | 0.54 ppb | | 100 |
| 76) | Dibromochloromethane | 8.94 | 129 | 1320 | 0.55 ppb | | 87 |
| 77) | Chlorobenzene | 9.53 | 112 | 2829 | 0.48 ppb | # | 87 |
| 78) | Ethylbenzene | 9.65 | 91 | 4309 | 0.49 ppb | | 97 |
| 79) | Bromoform | 10.35 | 173 | 870 | 0.43 ppb | | 86 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 81) | Isopropylbenzene | 10.53 | 105 | 5427 | 0.56 | ppb | | 97 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 1084 | 0.67 | ppb | # | 62 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 484 | 0.27 | ppb | # | 79 |
| 84) | t-1,4-Dichloro-2-Butene | 10.91 | 53 | 123 | 0.57 | ppb | # | 3 |
| 85) | Bromobenzene | 10.82 | 156 | 1801 | 0.55 | ppb | | 93 |
| 86) | n-Propylbenzene | 10.95 | 91 | 5177 | 0.54 | ppb | | 100 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 4366 | 0.48 | ppb | # | 82 |
| 88) | 2-Chlorotoluene | 11.02 | 91 | 4485 | 0.60 | ppb | | 89 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 4437 | 0.54 | ppb | | 86 |
| 90) | 4-Chlorotoluene | 11.12 | 91 | 4154 | 0.55 | ppb | | 95 |
| 91) | Tert-Butylbenzene | 11.45 | 119 | 2149 | 0.46 | ppb | | 95 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 4168 | 0.72 | ppb | | 83 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 4041 | 0.47 | ppb | | 91 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 3658 | 0.74 | ppb | | 95 |
| 95) | Benzyl Chloride | 12.00 | 91 | 1230 | 0.56 | ppb | # | 84 |
| 96) | 1,3-DCB | 11.76 | 146 | 2804 | 0.52 | ppb | # | 85 |
| 97) | 1,4-DCB | 11.85 | 146 | 3177 | 0.09 | ppb | | 93 |
| 98) | n-Butylbenzene | 12.21 | 91 | 2133 | 1.25 | ppb | | 87 |
| 99) | 1,2-DCB | 12.21 | 146 | 2822 | 0.53 | ppb | # | 84 |
| 100) | Hexachloroethane | 12.45 | 117 | 701 | 0.35 | ppb | # | 51 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 129 | 1.10 | ppb | # | 1 |
| 102) | 1,2,4-Trichlorobenzene | 13.82 | 180 | 530 | 2.32 | ppb | # | 45 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 742 | 1.09 | ppb | # | 82 |
| 104) | Naphthalene | 14.05 | 128 | 1234 | 0.86 | ppb | # | 69 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 460 | 3.05 | ppb | # | 69 |

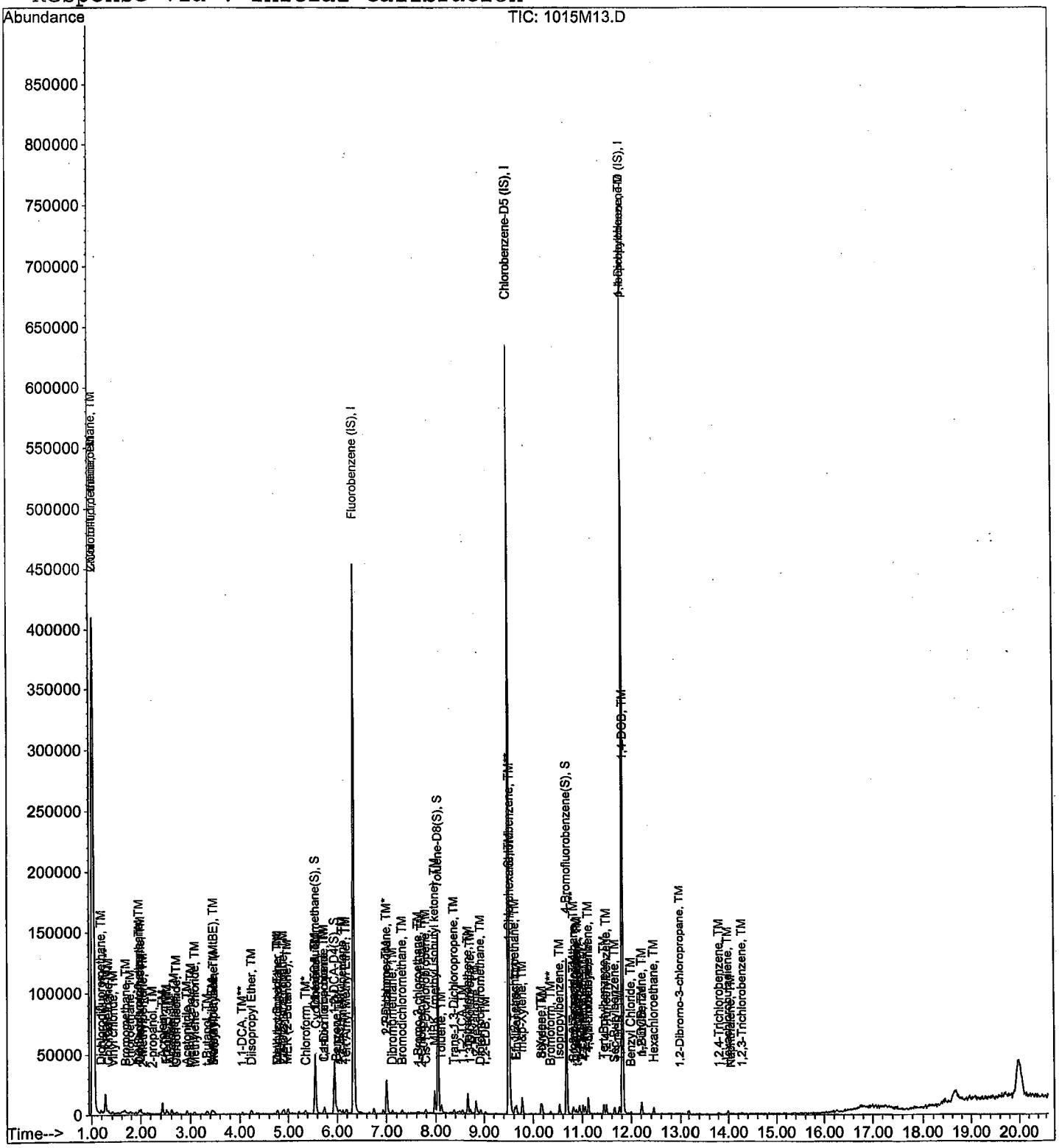
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M13.D Vial: 3
Acq On : 15 Oct 21 15:41 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 394605 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 355921 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 218264 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 47945 | 10.05 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 40.216% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 33328 | 10.29 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 41.144% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 157547 | 9.78 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 39.116% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 61144 | 8.82 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 35.276% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.01 | 116 | 1602 | 10.35 | ppb | # | 12 |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 2543 | 1.27 | ppb | | 91 |
| 4) Freon 114 | 1.29 | 85 | 1368 | 0.81 | ppb | | 78 |
| 5) Chloromethane | 1.33 | 50 | 1636 | 1.13 | ppb | | 90 |
| 6) Vinyl chloride | 1.42 | 62 | 1546 | 1.05 | ppb | # | 78 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 2765 | 64.30 | ppb | # | 65 |
| 8) Bromomethane | 1.68 | 94 | 1565 | 0.99 | ppb | | 84 |
| 9) Chloroethane | 1.78 | 64 | 2493 | 2.43 | ppb | | 94 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 4092 | 1.22 | ppb | # | 80 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 4558 | 1.21 | ppb | | 84 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.40 | 85 | 21 | 17.46 | ppb | | 100 |
| 13) Acrolein | 2.43 | 56 | 10691 | 28.86 | ppb | | 94 |
| 14) Acetone | 2.61 | 43 | 10882 | 24.17 | ppb | | 89 |
| 15) Freon-113 | 2.53 | 151 | 2046 | 1.17 | ppb | # | 88 |
| 16) Acetonitrile | 2.92 | 41 | 5855 | 46.50 | ppb | # | 94 |
| 17) 2-propanol | 2.26 | 45 | 136 | 7.29 | ppb | # | 83 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 4092 | 1.22 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 2994 | 1.31 | ppb | # | 89 |
| 20) t-Butanol | 3.34 | 59 | 7682 | 57.57 | ppb | | 98 |
| 21) Methyl Acetate | 3.00 | 43 | 760 | 0.94 | ppb | | 87 |
| 22) Iodomethane | 2.66 | 142 | 1392 | 1.97 | ppb | # | 86 |
| 23) Acrylonitrile | 3.43 | 53 | 471 | 1.12 | ppb | # | 42 |
| 25) Methylene chloride | 3.08 | 84 | 1772 | 1.07 | ppb | | 86 |
| 26) Carbon disulfide | 2.72 | 76 | 2194 | 0.99 | ppb | # | 87 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 6302 | 1.18 | ppb | | 98 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 1741 | 0.31 | ppb | | 80 |
| 29) 3-Methylpentane | 3.34 | 57 | 1128 | 0.68 | ppb | # | 72 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|
| 31) Diisopropyl Ether | 4.25 | 45 | 3947 | 1.07 ppb | # | 82 |
| 32) 1,1-DCA | 4.05 | 63 | 3272 | 1.19 ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.78 | 59 | 4498 | 0.93 ppb | # | 61 |
| 35) Methylcyclopentane | 4.77 | 56 | 269 | 1.32 ppb | | 100 |
| 36) MEK (2-Butanone) | 4.99 | 43 | 11464 | 21.80 ppb | | 86 |
| 37) Cis-1,2-DCE | 4.92 | 96 | 2282 | 1.19 ppb | | 75 |
| 38) 2,2-Dichloropropane | 4.90 | 77 | 3468 | 0.98 ppb | # | 85 |
| 39) Chloroform | 5.36 | 83 | 3948 | 1.05 ppb | | 89 |
| 40) Bromochloromethane | 5.23 | 130 | 1469 | 0.28 ppb | # | 84 |
| 42) 1,1,1-TCA | 5.54 | 97 | 4273 | 1.09 ppb | # | 84 |
| 43) Cyclohexane | 5.59 | 41 | 1433 | 1.22 ppb | # | 68 |
| 44) 1,1-Dichloropropene | 5.74 | 75 | 2385 | 1.08 ppb | | 94 |
| 45) 2,2,4-Trimethylpentane | 6.11 | 57 | 3345 | 0.96 ppb | # | 69 |
| 47) Carbon Tetrachloride | 5.73 | 117 | 4212 | 1.19 ppb | | 82 |
| 48) Tert Amyl Methyl Ether | 6.18 | 73 | 4217 | 0.88 ppb | # | 95 |
| 49) 1,2-DCA | 6.04 | 62 | 3756 | 1.10 ppb | # | 81 |
| 50) Benzene | 6.00 | 78 | 6941 | 1.11 ppb | # | 82 |
| 51) TCE | 6.75 | 95 | 2471 | 0.48 ppb | | 89 |
| 52) 2-Pentanone | 7.01 | 43 | 44308 | 50.73 ppb | | 100 |
| 53) 1,2-Dichloropropane | 7.00 | 63 | 811 | 0.93 ppb | # | 45 |
| 54) Bromodichloromethane | 7.31 | 83 | 2624 | 0.90 ppb | | 95 |
| 55) Methyl Cyclohexane | 6.94 | 83 | 2273 | 0.38 ppb | | 76 |
| 56) Dibromomethane | 7.12 | 93 | 1650 | 1.48 ppb | # | 63 |
| 57) MIBK (methyl isobutyl ket | 7.98 | 43 | 22869 | 19.25 ppb | | 94 |
| 58) 1-Bromo-2-chloroethane | 7.63 | 144 | 263 | 0.64 ppb | # | 15 |
| 59) 2-Chloroethyl vinyl ether | 7.56 | 43 | 22 | 17.53 ppb | # | 100 |
| 60) Cis-1,3-Dichloropropene | 7.79 | 75 | 2697 | 0.99 ppb | | 94 |
| 61) Toluene | 8.12 | 91 | 7543 | 0.99 ppb | | 88 |
| 62) Trans-1,3-Dichloropropene | 8.37 | 75 | 2660 | 0.95 ppb | | 96 |
| 63) 1,1,2-TCA | 8.56 | 83 | 1005 | 0.84 ppb | | 84 |
| 64) 2-Hexanone | 8.83 | 43 | 15739 | 18.57 ppb | | 97 |
| 67) 1,2-EDB | 9.03 | 107 | 1731 | 1.09 ppb | | 84 |
| 68) Tetrachloroethene | 8.66 | 164 | 3240 | 2.08 ppb | | 85 |
| 69) 1-Chlorohexane | 9.53 | 91 | 1541 | 1.09 ppb | | 96 |
| 70) 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 2346 | 0.90 ppb | | 78 |
| 71) m&p-Xylene | 9.77 | 106 | 7601 | 1.95 ppb | | 79 |
| 72) o-Xylene | 10.16 | 106 | 4468 | 1.13 ppb | # | 50 |
| 73) Styrene | 10.18 | 104 | 5452 | 0.84 ppb | | 97 |
| 75) 1,3-Dichloropropane | 8.72 | 76 | 2708 | 1.11 ppb | # | 79 |
| 76) Dibromochloromethane | 8.93 | 129 | 2732 | 1.11 ppb | | 84 |
| 77) Chlorobenzene | 9.52 | 112 | 5459 | 0.91 ppb | | 89 |
| 78) Ethylbenzene | 9.65 | 91 | 9241 | 1.02 ppb | | 98 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M14.D Vial: 4
Acq On : 15 Oct 21 16:09 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 79) | Bromoform | 10.35 | 173 | 2258 | 1.10 | ppb | | 98 |
| 81) | Isopropylbenzene | 10.53 | 105 | 9854 | 1.03 | ppb | | 90 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 1852 | 1.16 | ppb | # | 71 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 827 | 0.74 | ppb | | 84 |
| 84) | t-1,4-Dichloro-2-Butene | 10.89 | 53 | 653 | 1.64 | ppb | # | 37 |
| 85) | Bromobenzene | 10.81 | 156 | 3021 | 0.93 | ppb | | 97 |
| 86) | n-Propylbenzene | 10.94 | 91 | 9945 | 1.04 | ppb | | 98 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 8835 | 0.99 | ppb | # | 81 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 8170 | 1.10 | ppb | | 86 |
| 89) | 1,3,5-Trimethylbenzene | 11.13 | 105 | 8296 | 1.01 | ppb | # | 76 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 7339 | 0.98 | ppb | | 93 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 4541 | 0.98 | ppb | | 91 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 7027 | 1.07 | ppb | | 97 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 8022 | 0.93 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 7761 | 1.20 | ppb | | 94 |
| 95) | Benzyl Chloride | 11.99 | 91 | 2323 | 1.07 | ppb | | 92 |
| 96) | 1,3-DCB | 11.76 | 146 | 4981 | 0.93 | ppb | | 94 |
| 97) | 1,4-DCB | 11.84 | 146 | 6117 | 0.68 | ppb | | 86 |
| 98) | n-Butylbenzene | 12.21 | 91 | 3532 | 1.48 | ppb | | 84 |
| 99) | 1,2-DCB | 12.21 | 146 | 5227 | 0.99 | ppb | | 95 |
| 100) | Hexachloroethane | 12.46 | 117 | 1794 | 1.13 | ppb | | 73 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.00 | 75 | 278 | 1.43 | ppb | # | 59 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 936 | 2.49 | ppb | | 88 |
| 103) | Hexachlorobutadiene | 13.98 | 225 | 1596 | 1.44 | ppb | | 91 |
| 104) | Naphthalene | 14.06 | 128 | 1951 | 1.11 | ppb | # | 92 |
| 105) | 1,2,3-Trichlorobenzene | 14.29 | 180 | 1103 | 3.26 | ppb | # | 74 |

(#) = qualifier out of range (m) = manual integration

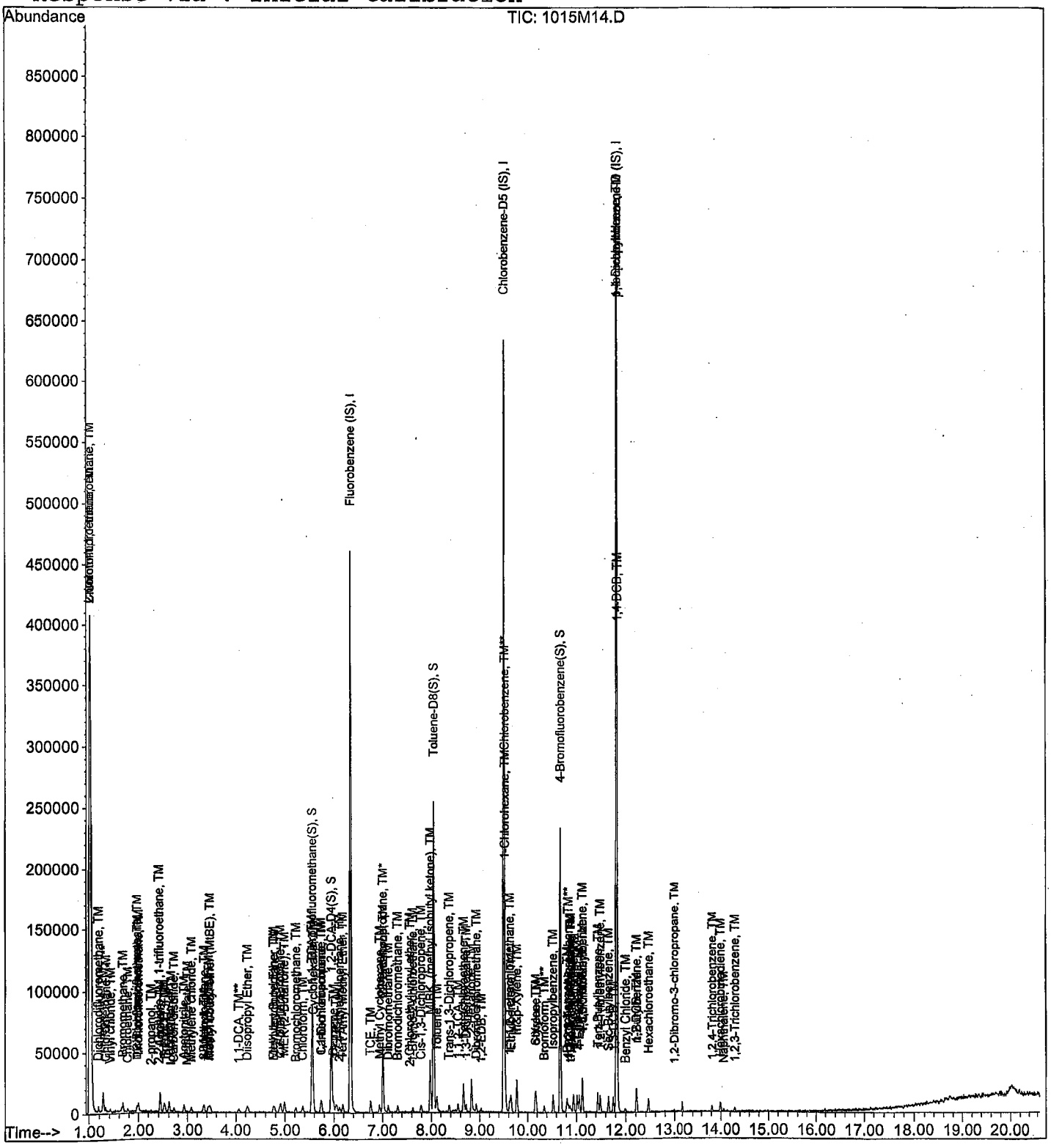
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M14.D
Acq On : 15 Oct 21 16:09
Sample : 1ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021
Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 397741 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 352458 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 222724 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 46784 | 9.73 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 38.932% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 32664 | 10.00 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 40.008% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 156127 | 9.79 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 39.144% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 61174 | 8.91 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 35.640% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.02 | 116 | 2218 | 14.22 | ppb | # | 51 |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 4500 | 2.23 | ppb | | 98 |
| 4) Freon 114 | 1.29 | 85 | 2873 | 1.69 | ppb | | 80 |
| 5) Chloromethane | 1.33 | 50 | 2712 | 2.00 | ppb | # | 86 |
| 6) Vinyl chloride | 1.42 | 62 | 3230 | 2.18 | ppb | | 92 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.02 | 118 | 1945 | 44.88 | ppb | # | 38 |
| 8) Bromomethane | 1.68 | 94 | 2697 | 2.14 | ppb | | 95 |
| 9) Chloroethane | 1.78 | 64 | 1755 | 1.67 | ppb | # | 67 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 6925 | 2.05 | ppb | | 94 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 9973 | 2.63 | ppb | | 98 |
| 13) Acrolein | 2.43 | 56 | 18305 | 49.03 | ppb | | 98 |
| 14) Acetone | 2.61 | 43 | 15819 | 34.86 | ppb | | 94 |
| 15) Freon-113 | 2.52 | 151 | 3875 | 2.20 | ppb | # | 85 |
| 16) Acetonitrile | 2.93 | 41 | 8400 | 66.18 | ppb | | 96 |
| 17) 2-propanol | 2.25 | 45 | 148 | 7.87 | ppb | # | 55 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 6925 | 2.05 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 5750 | 2.49 | ppb | | 90 |
| 20) t-Butanol | 3.34 | 59 | 12116 | 82.21 | ppb | | 99 |
| 21) Methyl Acetate | 2.99 | 43 | 1802 | 2.21 | ppb | | 91 |
| 22) Iodomethane | 2.66 | 142 | 2280 | 2.44 | ppb | # | 85 |
| 23) Acrylonitrile | 3.43 | 53 | 760 | 1.75 | ppb | | 96 |
| 24) 2-Methylpentane | 2.29 | 71 | 46 | 18.97 | ppb | | 100 |
| 25) Methylene chloride | 3.08 | 84 | 3477 | 2.07 | ppb | | 93 |
| 26) Carbon disulfide | 2.71 | 76 | 5106 | 2.28 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.46 | 73 | 11162 | 2.07 | ppb | # | 87 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 3660 | 1.56 | ppb | | 86 |
| 29) 3-Methylpentane | 3.47 | 57 | 2566 | 2.34 | ppb | # | 92 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 31) | Diisopropyl Ether | 4.25 | 45 | 7913 | 2.12 | ppb | # | 71 |
| 32) | 1,1-DCA | 4.06 | 63 | 5912 | 2.14 | ppb | # | 91 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 9568 | 1.96 | ppb | | 91 |
| 35) | Methylcyclopentane | 4.78 | 56 | 494 | 2.41 | ppb | | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 16761 | 31.63 | ppb | # | 85 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 3543 | 1.84 | ppb | | 76 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 6978 | 1.95 | ppb | | 98 |
| 39) | Chloroform | 5.36 | 83 | 7578 | 2.00 | ppb | | 97 |
| 40) | Bromochloromethane | 5.22 | 130 | 3743 | 1.92 | ppb | # | 79 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 9181 | 2.32 | ppb | | 92 |
| 43) | Cyclohexane | 5.59 | 41 | 2567 | 2.16 | ppb | | 93 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 4670 | 2.10 | ppb | | 98 |
| 45) | 2,2,4-Trimethylpentane | 6.11 | 57 | 7204 | 2.04 | ppb | # | 50 |
| 47) | Carbon Tetrachloride | 5.73 | 117 | 8319 | 2.33 | ppb | | 82 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 9116 | 1.89 | ppb | # | 93 |
| 49) | 1,2-DCA | 6.04 | 62 | 7832 | 2.28 | ppb | # | 87 |
| 50) | Benzene | 5.99 | 78 | 13478 | 2.15 | ppb | | 94 |
| 51) | TCE | 6.75 | 95 | 4321 | 1.48 | ppb | | 92 |
| 52) | 2-Pentanone | 7.01 | 43 | 68287 | 77.56 | ppb | | 94 |
| 53) | 1,2-Dichloropropane | 7.01 | 63 | 1147 | 1.43 | ppb | # | 78 |
| 54) | Bromodichloromethane | 7.31 | 83 | 6459 | 2.21 | ppb | | 94 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 5097 | 1.61 | ppb | | 97 |
| 56) | Dibromomethane | 7.12 | 93 | 2762 | 2.46 | ppb | # | 77 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 36816 | 30.74 | ppb | | 97 |
| 58) | 1-Bromo-2-chloroethane | 7.63 | 144 | 737 | 1.77 | ppb | | 75 |
| 59) | 2-Chloroethyl vinyl ether | 7.81 | 43 | 19 | 15.02 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 6027 | 2.19 | ppb | | 91 |
| 61) | Toluene | 8.12 | 91 | 15184 | 1.97 | ppb | | 85 |
| 62) | Trans-1,3-Dichloropropene | 8.38 | 75 | 5713 | 2.03 | ppb | | 86 |
| 63) | 1,1,2-TCA | 8.54 | 83 | 2414 | 1.99 | ppb | | 93 |
| 64) | 2-Hexanone | 8.83 | 43 | 24259 | 28.40 | ppb | | 97 |
| 67) | 1,2-EDB | 9.03 | 107 | 3866 | 2.45 | ppb | | 83 |
| 68) | Tetrachloroethene | 8.66 | 164 | 4952 | 3.20 | ppb | # | 80 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 2721 | 1.95 | ppb | # | 79 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 5242 | 2.02 | ppb | | 90 |
| 71) | m&p-Xylene | 9.77 | 106 | 15266 | 3.95 | ppb | | 88 |
| 72) | o-Xylene | 10.16 | 106 | 7227 | 1.84 | ppb | | 97 |
| 73) | Styrene | 10.18 | 104 | 12118 | 1.89 | ppb | | 99 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 5024 | 2.07 | ppb | | 90 |
| 76) | Dibromochloromethane | 8.93 | 129 | 5242 | 2.15 | ppb | | 94 |
| 77) | Chlorobenzene | 9.53 | 112 | 12976 | 2.19 | ppb | | 90 |
| 78) | Ethylbenzene | 9.65 | 91 | 18350 | 2.05 | ppb | | 96 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M15.D Vial: 5
Acq On : 15 Oct 21 16:38 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 79) | Bromoform | 10.35 | 173 | 4619 | 2.28 | ppb | | 87 |
| 81) | Isopropylbenzene | 10.53 | 105 | 18752 | 1.93 | ppb | | 92 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 3694 | 2.26 | ppb | | 93 |
| 83) | 1,2,3-Trichloropropane | 10.87 | 110 | 1874 | 2.10 | ppb | # | 77 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 1005 | 2.32 | ppb | | 98 |
| 85) | Bromobenzene | 10.81 | 156 | 7210 | 2.17 | ppb | | 90 |
| 86) | n-Propylbenzene | 10.94 | 91 | 19095 | 1.96 | ppb | | 99 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 18983 | 2.08 | ppb | | 92 |
| 88) | 2-Chlorotoluene | 11.02 | 91 | 16161 | 2.13 | ppb | | 90 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 15423 | 1.85 | ppb | | 93 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 16663 | 2.18 | ppb | | 98 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 8790 | 1.86 | ppb | | 92 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 16313 | 2.15 | ppb | | 86 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 18809 | 2.14 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 16115 | 2.08 | ppb | | 90 |
| 95) | Benzyl Chloride | 12.00 | 91 | 4701 | 2.12 | ppb | | 96 |
| 96) | 1,3-DCB | 11.75 | 146 | 10728 | 1.97 | ppb | # | 93 |
| 97) | 1,4-DCB | 11.84 | 146 | 10390 | 1.48 | ppb | # | 80 |
| 98) | n-Butylbenzene | 12.22 | 91 | 8810 | 2.32 | ppb | | 94 |
| 99) | 1,2-DCB | 12.21 | 146 | 11528 | 2.15 | ppb | | 96 |
| 100) | Hexachloroethane | 12.45 | 117 | 3280 | 2.14 | ppb | | 90 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.00 | 75 | 716 | 2.35 | ppb | # | 72 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 2131 | 2.97 | ppb | # | 84 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 3819 | 2.33 | ppb | | 82 |
| 104) | Naphthalene | 14.05 | 128 | 4009 | 1.77 | ppb | # | 88 |
| 105) | 1,2,3-Trichlorobenzene | 14.29 | 180 | 2322 | 3.64 | ppb | | 94 |

(#) = qualifier out of range (m) = manual integration

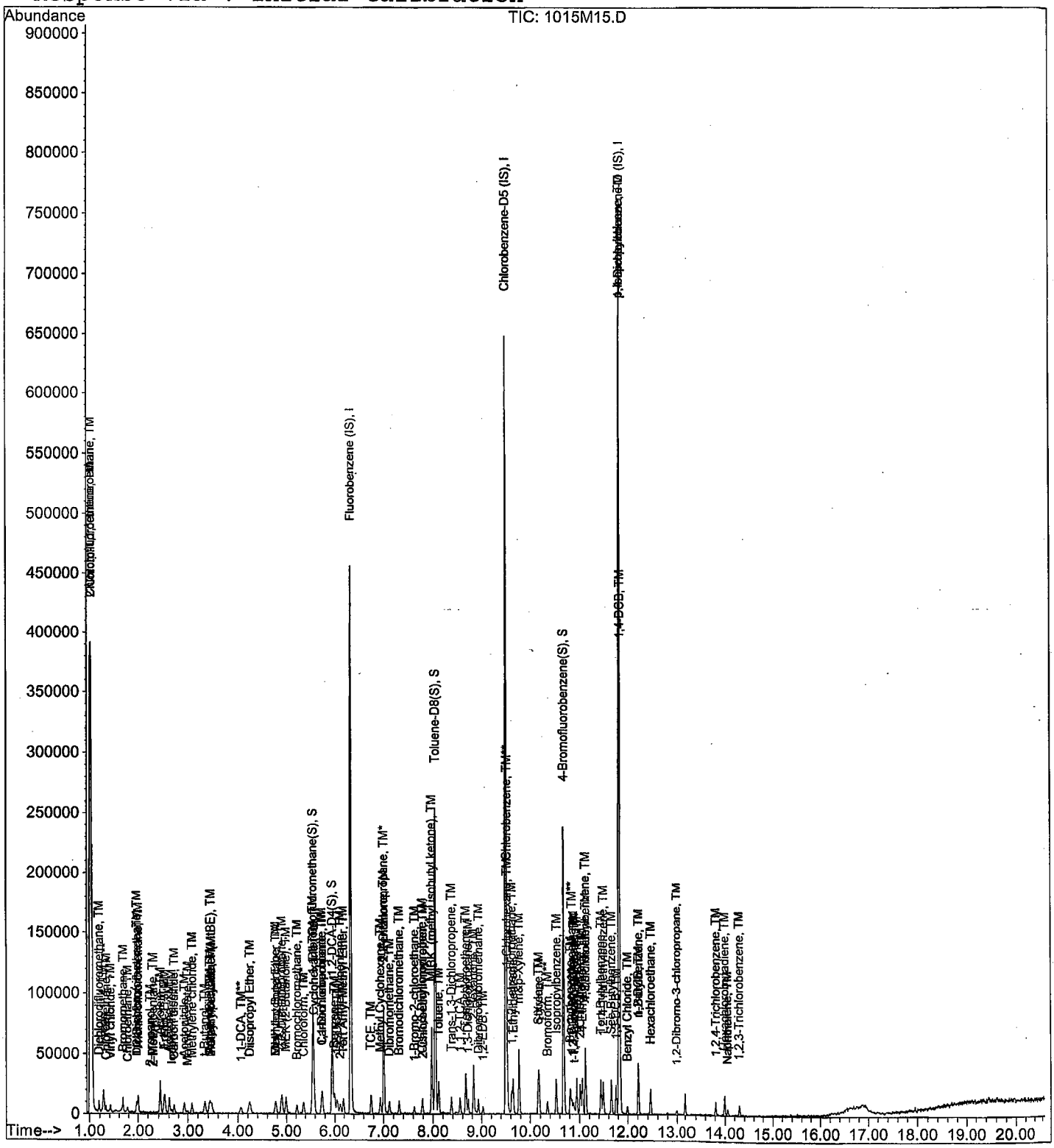
# Quantitation Report

Data File : M:\MAX\DATA\211015\1015M15.D
Acq On : 15 Oct 21 16:38
Sample : 2ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021
Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 387411 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 344894 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 232454 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 118038 | 25.21 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 100.844% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 84056 | 26.42 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 105.700% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 389321 | 24.94 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 99.748% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 156913 | 23.35 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 93.416% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.02 | 116 | 1951 | 12.84 | ppb | | 92 |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 13541 | 6.89 | ppb | | 91 |
| 4) Freon 114 | 1.29 | 85 | 6948 | 4.20 | ppb | | 87 |
| 5) Chloromethane | 1.33 | 50 | 7282 | 5.89 | ppb | # | 83 |
| 6) Vinyl chloride | 1.42 | 62 | 8698 | 6.04 | ppb | | 97 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 2807 | 66.49 | ppb | # | 56 |
| 8) Bromomethane | 1.68 | 94 | 7347 | 7.13 | ppb | | 89 |
| 9) Chloroethane | 1.77 | 64 | 5473 | 5.54 | ppb | | 90 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 17069 | 5.20 | ppb | | 93 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 23038 | 6.23 | ppb | | 98 |
| 13) Acrolein | 2.43 | 56 | 21061 | 57.91 | ppb | | 97 |
| 14) Acetone | 2.61 | 43 | 19225 | 43.50 | ppb | | 100 |
| 15) Freon-113 | 2.53 | 151 | 8907 | 5.20 | ppb | | 89 |
| 16) Acetonitrile | 2.92 | 41 | 11772 | 95.23 | ppb | | 97 |
| 17) 2-propanol | 2.26 | 45 | 534 | 29.16 | ppb | # | 83 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 17069 | 5.20 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 13232 | 5.88 | ppb | | 96 |
| 20) t-Butanol | 3.34 | 59 | 16999 | 106.77 | ppb | | 95 |
| 21) Methyl Acetate | 2.99 | 43 | 3806 | 4.78 | ppb | | 89 |
| 22) Iodomethane | 2.66 | 142 | 7587 | 5.42 | ppb | | 98 |
| 23) Acrylonitrile | 3.43 | 53 | 2612 | 5.94 | ppb | | 91 |
| 25) Methylene chloride | 3.08 | 84 | 8233 | 5.04 | ppb | | 88 |
| 26) Carbon disulfide | 2.72 | 76 | 10258 | 4.71 | ppb | | 98 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 28794 | 5.49 | ppb | | 96 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 9294 | 5.40 | ppb | | 89 |
| 29) 3-Methylpentane | 3.46 | 57 | 5115 | 5.47 | ppb | | 91 |
| 30) Hexane | 3.72 | 56 | 213 | 10.02 | ppb | # | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|
| 31) Diisopropyl Ether | 4.25 | 45 | 19726 | 5.43 ppb | | 92 |
| 32) 1,1-DCA | 4.05 | 63 | 14219 | 5.28 ppb | # | 85 |
| 33) Vinyl Acetate | 4.16 | 43 | 159 | 0.12 ppb | # | 77 |
| 34) Ethyl tert Butyl Ether | 4.77 | 59 | 24023 | 5.05 ppb | | 89 |
| 35) Methylcyclopentane | 4.77 | 56 | 1134 | 5.67 ppb | | 100 |
| 36) MEK (2-Butanone) | 4.99 | 43 | 20148 | 39.03 ppb | | 88 |
| 37) Cis-1,2-DCE | 4.91 | 96 | 10198 | 5.44 ppb | | 96 |
| 38) 2,2-Dichloropropane | 4.89 | 77 | 17894 | 5.13 ppb | | 98 |
| 39) Chloroform | 5.37 | 83 | 19904 | 5.41 ppb | | 99 |
| 40) Bromochloromethane | 5.22 | 130 | 8478 | 5.52 ppb | # | 83 |
| 42) 1,1,1-TCA | 5.54 | 97 | 22632 | 5.88 ppb | | 93 |
| 43) Cyclohexane | 5.58 | 41 | 6390 | 5.53 ppb | | 76 |
| 44) 1,1-Dichloropropene | 5.75 | 75 | 12969 | 5.98 ppb | | 85 |
| 45) 2,2,4-Trimethylpentane | 6.11 | 57 | 14248 | 4.15 ppb | | 87 |
| 47) Carbon Tetrachloride | 5.73 | 117 | 21221 | 6.09 ppb | | 90 |
| 48) Tert Amyl Methyl Ether | 6.18 | 73 | 23576 | 5.01 ppb | | 98 |
| 49) 1,2-DCA | 6.04 | 62 | 18340 | 5.49 ppb | | 98 |
| 50) Benzene | 5.99 | 78 | 33663 | 5.51 ppb | | 98 |
| 51) TCE | 6.75 | 95 | 9650 | 4.55 ppb | # | 77 |
| 52) 2-Pentanone | 7.01 | 43 | 86889 | 101.33 ppb | | 97 |
| 53) 1,2-Dichloropropane | 7.00 | 63 | 3245 | 4.78 ppb | # | 92 |
| 54) Bromodichloromethane | 7.31 | 83 | 17085 | 5.99 ppb | | 90 |
| 55) Methyl Cyclohexane | 6.94 | 83 | 11773 | 4.68 ppb | | 91 |
| 56) Dibromomethane | 7.12 | 93 | 6546 | 5.99 ppb | | 88 |
| 57) MIBK (methyl isobutyl ket | 7.98 | 43 | 43474 | 37.27 ppb | | 98 |
| 58) 1-Bromo-2-chloroethane | 7.62 | 144 | 2479 | 6.12 ppb | | 78 |
| 59) 2-Chloroethyl vinyl ether | 7.61 | 43 | 20 | 16.23 ppb | # | 100 |
| 60) Cis-1,3-Dichloropropene | 7.79 | 75 | 14773 | 5.52 ppb | | 90 |
| 61) Toluene | 8.12 | 91 | 39874 | 5.31 ppb | | 96 |
| 62) Trans-1,3-Dichloropropene | 8.37 | 75 | 14624 | 5.33 ppb | | 99 |
| 63) 1,1,2-TCA | 8.55 | 83 | 5668 | 4.81 ppb | | 89 |
| 64) 2-Hexanone | 8.83 | 43 | 28901 | 34.73 ppb | # | 97 |
| 67) 1,2-EDB | 9.03 | 107 | 9212 | 5.97 ppb | | 93 |
| 68) Tetrachloroethene | 8.66 | 164 | 9368 | 6.20 ppb | | 96 |
| 69) 1-Chlorohexane | 9.53 | 91 | 7028 | 5.15 ppb | | 83 |
| 70) 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 14631 | 5.77 ppb | | 92 |
| 71) m&p-Xylene | 9.77 | 106 | 40521 | 10.70 ppb | | 97 |
| 72) o-Xylene | 10.16 | 106 | 19748 | 5.15 ppb | | 89 |
| 73) Styrene | 10.18 | 104 | 31878 | 5.09 ppb | | 98 |
| 75) 1,3-Dichloropropane | 8.71 | 76 | 13752 | 5.80 ppb | | 98 |
| 76) Dibromochloromethane | 8.93 | 129 | 13298 | 5.58 ppb | | 89 |
| 77) Chlorobenzene | 9.53 | 112 | 30958 | 5.33 ppb | | 96 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 78) | Ethylbenzene | 9.65 | 91 | 49016 | 5.60 | ppb | | 98 |
| 79) | Bromoform | 10.35 | 173 | 10773 | 5.43 | ppb | | 98 |
| 81) | Isopropylbenzene | 10.53 | 105 | 53902 | 5.30 | ppb | | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 8866 | 5.20 | ppb | # | 85 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 4864 | 5.78 | ppb | # | 73 |
| 84) | t-1,4-Dichloro-2-Butene | 10.91 | 53 | 2090 | 4.29 | ppb | | 84 |
| 85) | Bromobenzene | 10.81 | 156 | 17611 | 5.08 | ppb | | 88 |
| 86) | n-Propylbenzene | 10.94 | 91 | 52829 | 5.19 | ppb | | 95 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 48078 | 5.06 | ppb | | 92 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 41952 | 5.29 | ppb | | 89 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 46678 | 5.36 | ppb | | 97 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 41644 | 5.22 | ppb | | 99 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 26648 | 5.40 | ppb | | 93 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 45050 | 5.34 | ppb | | 99 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 49880 | 5.44 | ppb | | 98 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 48782 | 5.36 | ppb | | 99 |
| 95) | Benzyl Chloride | 11.99 | 91 | 10073 | 4.36 | ppb | # | 96 |
| 96) | 1,3-DCB | 11.75 | 146 | 31609 | 5.56 | ppb | | 95 |
| 97) | 1,4-DCB | 11.85 | 146 | 29696 | 4.96 | ppb | | 95 |
| 98) | n-Butylbenzene | 12.22 | 91 | 26294 | 4.95 | ppb | | 97 |
| 99) | 1,2-DCB | 12.21 | 146 | 30601 | 5.46 | ppb | | 87 |
| 100) | Hexachloroethane | 12.46 | 117 | 7449 | 4.82 | ppb | | 86 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 2238 | 5.40 | ppb | | 84 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 7399 | 4.97 | ppb | | 85 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 10435 | 4.84 | ppb | | 92 |
| 104) | Naphthalene | 14.06 | 128 | 14154 | 4.85 | ppb | | 95 |
| 105) | 1,2,3-Trichlorobenzene | 14.29 | 180 | 9443 | 5.76 | ppb | | 82 |

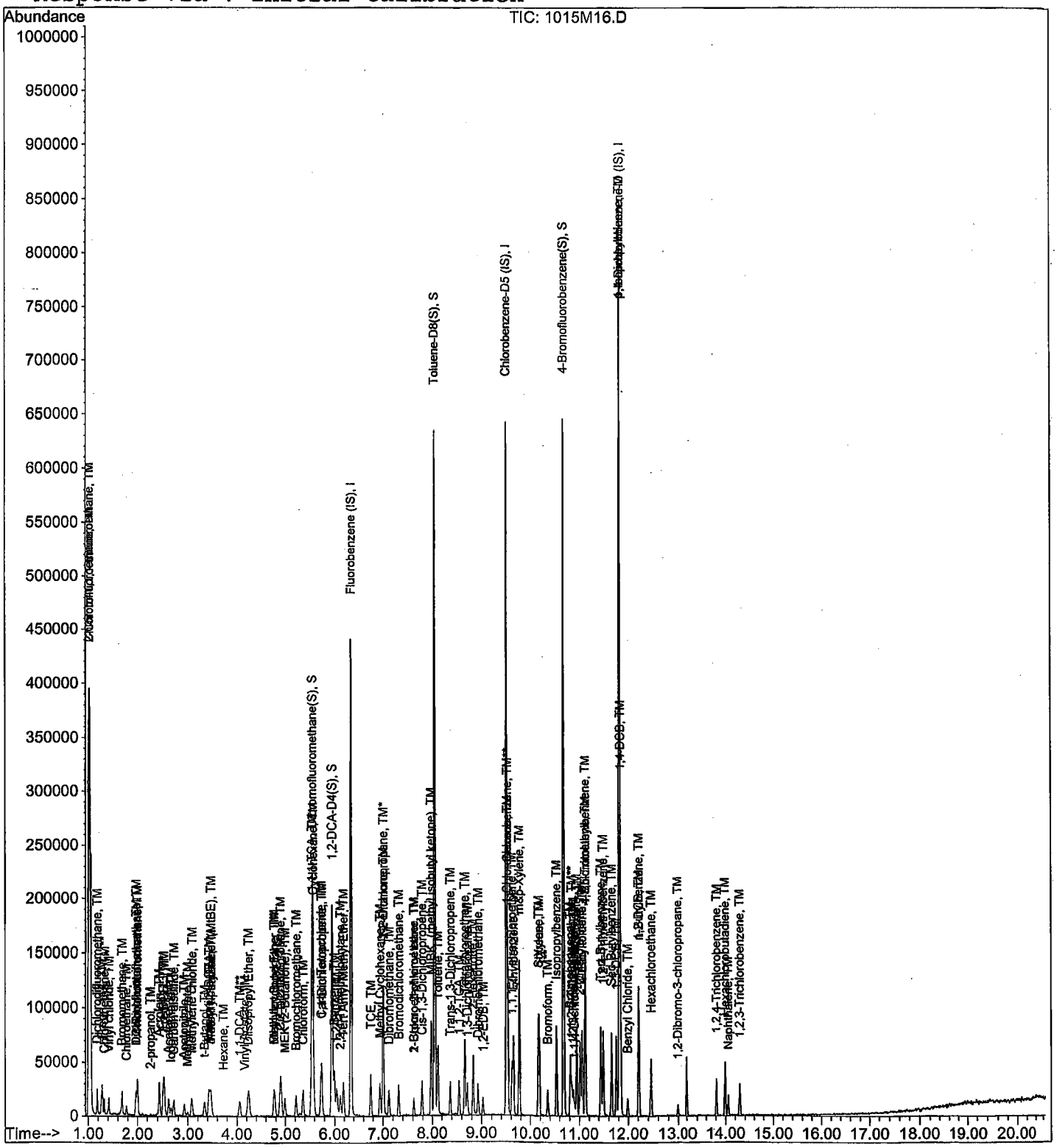
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M16.D Vial: 6
Acq On : 15 Oct 21 17:06 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 377347 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 347072 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 236441 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 118319 | 25.95 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 103.780% | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 79312 | 25.60 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 102.392% | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 392721 | 25.00 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 99.988% | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 160324 | 23.71 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 94.848% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.01 | 116 | 1480 | 10.00 | ppb | 100 |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 19568 | 10.22 | ppb | 100 |
| 4) Freon 114 | 1.29 | 85 | 10651 | 6.61 | ppb | 100 |
| 5) Chloromethane | 1.33 | 50 | 13364 | 11.30 | ppb | 100 |
| 6) Vinyl chloride | 1.42 | 62 | 16573 | 11.82 | ppb | 100 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 2056 | 50.00 | ppb | 100 |
| 8) Bromomethane | 1.68 | 94 | 12882 | 13.34 | ppb | 100 |
| 9) Chloroethane | 1.77 | 64 | 11250 | 11.78 | ppb | 100 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 36430 | 11.39 | ppb | 100 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 43493 | 12.08 | ppb | 100 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.29 | 85 | 23 | 20.00 | ppb | 100 |
| 13) Acrolein | 2.43 | 56 | 26701 | 75.38 | ppb | 100 |
| 14) Acetone | 2.61 | 43 | 24111 | 56.01 | ppb | 100 |
| 15) Freon-113 | 2.53 | 151 | 16125 | 9.66 | ppb | 100 |
| 16) Acetonitrile | 2.92 | 41 | 13763 | 114.30 | ppb | 100 |
| 17) 2-propanol | 2.26 | 45 | 892 | 50.00 | ppb | 100 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 36430 | 11.39 | ppb | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 25329 | 11.55 | ppb | 100 |
| 20) t-Butanol | 3.34 | 59 | 19181 | 118.01 | ppb | 100 |
| 21) Methyl Acetate | 3.00 | 43 | 8263 | 10.66 | ppb | 100 |
| 22) Iodomethane | 2.66 | 142 | 17486 | 11.16 | ppb | 100 |
| 23) Acrylonitrile | 3.43 | 53 | 4844 | 11.24 | ppb | 100 |
| 24) 2-Methylpentane | 2.16 | 71 | 23 | 10.00 | ppb | 100 |
| 25) Methylene chloride | 3.08 | 84 | 17432 | 10.96 | ppb | 100 |
| 26) Carbon disulfide | 2.71 | 76 | 20960 | 9.87 | ppb | 100 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 57116 | 11.18 | ppb | 100 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 17741 | 11.38 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 29) | 3-Methylpentane | 3.46 | 57 | 10024 | 11.67 | ppb | | 100 |
| 30) | Hexane | 3.72 | 56 | 414 | 20.00 | ppb | | 100 |
| 31) | Diisopropyl Ether | 4.24 | 45 | 37208 | 10.51 | ppb | | 100 |
| 32) | 1,1-DCA | 4.05 | 63 | 28067 | 10.71 | ppb | | 100 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 46096 | 9.95 | ppb | | 100 |
| 35) | Methylcyclopentane | 4.77 | 56 | 1948 | 10.00 | ppb | | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 26957 | 53.62 | ppb | | 100 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 20531 | 11.24 | ppb | | 100 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 37047 | 10.91 | ppb | | 100 |
| 39) | Chloroform | 5.36 | 83 | 41151 | 11.48 | ppb | | 100 |
| 40) | Bromochloromethane | 5.22 | 130 | 15934 | 11.39 | ppb | | 100 |
| 42) | 1,1,1-TCA | 5.55 | 97 | 43737 | 11.67 | ppb | | 100 |
| 43) | Cyclohexane | 5.58 | 41 | 10585 | 9.41 | ppb | | 100 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 23149 | 10.97 | ppb | | 100 |
| 45) | 2,2,4-Trimethylpentane | 6.12 | 57 | 25327 | 7.58 | ppb | | 100 |
| 47) | Carbon Tetrachloride | 5.73 | 117 | 40318 | 11.88 | ppb | | 100 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 47074 | 10.27 | ppb | | 100 |
| 49) | 1,2-DCA | 6.04 | 62 | 36487 | 11.21 | ppb | | 100 |
| 50) | Benzene | 5.99 | 78 | 67135 | 11.28 | ppb | | 100 |
| 51) | TCE | 6.75 | 95 | 21853 | 11.75 | ppb | | 100 |
| 52) | 2-Pentanone | 7.01 | 43 | 108759 | 130.21 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 7561 | 11.89 | ppb | | 100 |
| 54) | Bromodichloromethane | 7.31 | 83 | 30571 | 11.00 | ppb | | 100 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 20502 | 8.86 | ppb | | 100 |
| 56) | Dibromomethane | 7.12 | 93 | 12823 | 12.05 | ppb | | 100 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 56842 | 50.03 | ppb | | 100 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 4063 | 10.30 | ppb | | 100 |
| 59) | 2-Chloroethyl vinyl ether | 7.67 | 43 | 72 | 60.00 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 27754 | 10.65 | ppb | | 100 |
| 61) | Toluene | 8.12 | 91 | 82436 | 11.27 | ppb | | 100 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 28083 | 10.50 | ppb | | 100 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 12220 | 10.64 | ppb | | 100 |
| 64) | 2-Hexanone | 8.83 | 43 | 39749 | 49.04 | ppb | | 100 |
| 67) | 1,2-EDB | 9.03 | 107 | 17939 | 11.55 | ppb | | 100 |
| 68) | Tetrachloroethene | 8.66 | 164 | 16284 | 10.70 | ppb | | 100 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 12452 | 9.07 | ppb | | 100 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 28021 | 10.98 | ppb | | 100 |
| 71) | m&p-Xylene | 9.77 | 106 | 82514 | 21.66 | ppb | | 100 |
| 72) | o-Xylene | 10.16 | 106 | 40678 | 10.54 | ppb | | 100 |
| 73) | Styrene | 10.18 | 104 | 66045 | 10.48 | ppb | | 100 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 26720 | 11.19 | ppb | | 100 |
| 76) | Dibromochloromethane | 8.93 | 129 | 26700 | 11.13 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 77) | Chlorobenzene | 9.53 | 112 | 61648 | 10.55 | ppb | 100 |
| 78) | Ethylbenzene | 9.65 | 91 | 94727 | 10.75 | ppb | 100 |
| 79) | Bromoform | 10.35 | 173 | 22290 | 11.17 | ppb | 100 |
| 81) | Isopropylbenzene | 10.53 | 105 | 106456 | 10.30 | ppb | 100 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 18342 | 10.58 | ppb | 100 |
| 83) | 1,2,3-Trichloropropane | 10.87 | 110 | 9043 | 10.87 | ppb | 100 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 4578 | 8.87 | ppb | 100 |
| 85) | Bromobenzene | 10.81 | 156 | 34140 | 9.67 | ppb | 100 |
| 86) | n-Propylbenzene | 10.94 | 91 | 111438 | 10.76 | ppb | 100 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 102117 | 10.56 | ppb | 100 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 87062 | 10.80 | ppb | 100 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 98343 | 11.10 | ppb | 100 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 85815 | 10.58 | ppb | 100 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 53976 | 10.76 | ppb | 100 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 92332 | 10.53 | ppb | 100 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 104508 | 11.21 | ppb | 100 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 100003 | 10.46 | ppb | 100 |
| 95) | Benzyl Chloride | 11.99 | 91 | 20556 | 8.75 | ppb | 100 |
| 96) | 1,3-DCB | 11.75 | 146 | 62186 | 10.76 | ppb | 100 |
| 97) | 1,4-DCB | 11.84 | 146 | 61854 | 10.71 | ppb | 100 |
| 98) | n-Butylbenzene | 12.22 | 91 | 56499 | 9.46 | ppb | 100 |
| 99) | 1,2-DCB | 12.21 | 146 | 61844 | 10.85 | ppb | 100 |
| 100) | Hexachloroethane | 12.46 | 117 | 14896 | 9.62 | ppb | 100 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 5285 | 11.44 | ppb | 100 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 18752 | 9.24 | ppb | 100 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 23952 | 9.95 | ppb | 100 |
| 104) | Naphthalene | 14.05 | 128 | 39199 | 11.87 | ppb | 100 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 23602 | 9.93 | ppb | 100 |

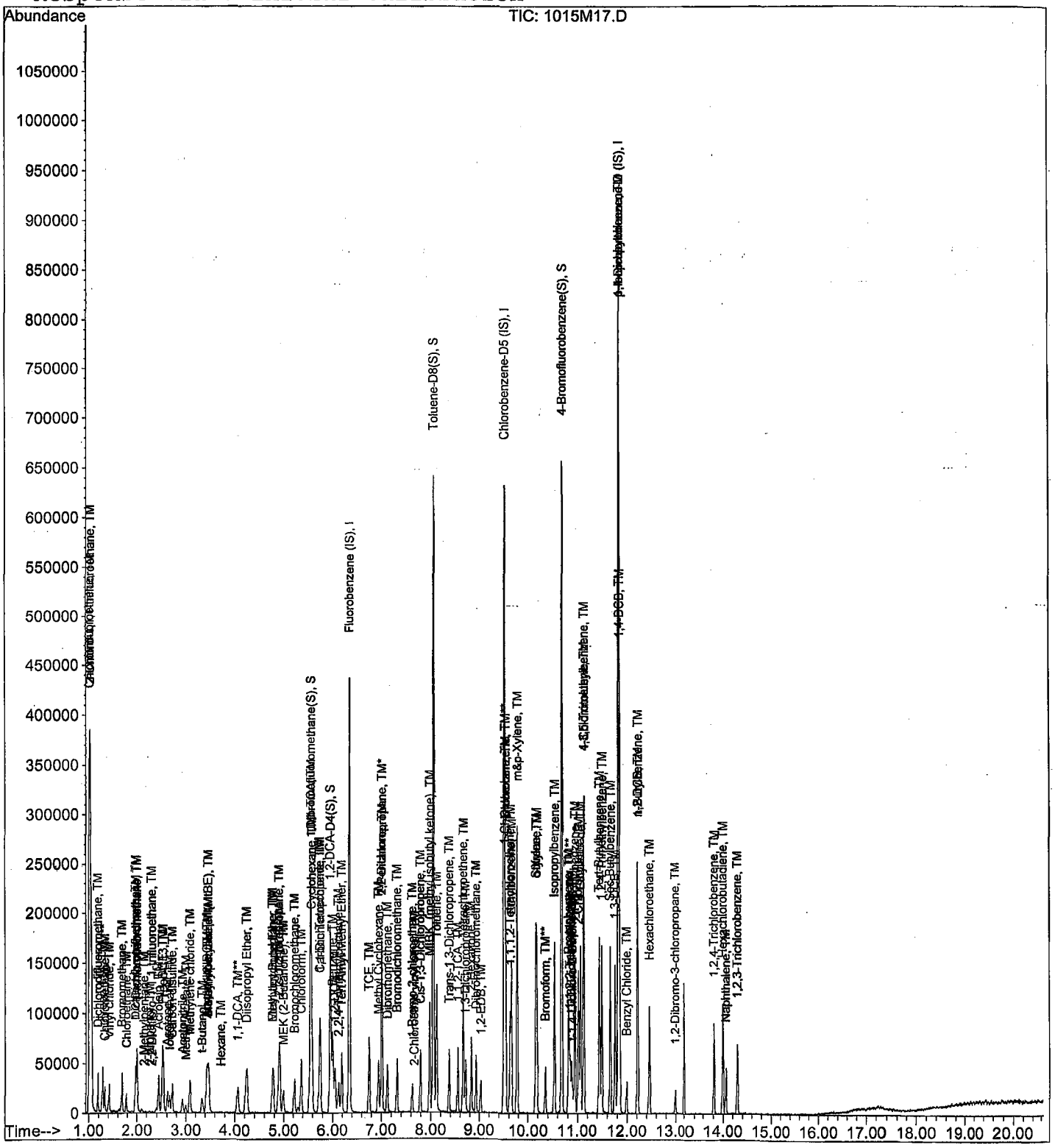
(#) = qualifier out of range (m) = manual integration

# Quantitation Report

Data File : M:\MAX\DATA\211015\1015M17.D Vial: 7
Acq On : 15 Oct 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 395871 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 351611 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 235162 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 236514 | 49.44 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 197.748% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 166400 | 51.19 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 204.772% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 780890 | 49.06 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 196.252% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 327466 | 47.81 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 191.232% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.03 | 116 | 1543 | 9.94 | ppb | # | 60 |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 43432 | 21.62 | ppb | | 97 |
| 4) Freon 114 | 1.29 | 85 | 29061 | 17.19 | ppb | | 81 |
| 5) Chloromethane | 1.33 | 50 | 25172 | 20.46 | ppb | | 98 |
| 6) Vinyl chloride | 1.42 | 62 | 33428 | 22.72 | ppb | | 95 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.00 | 118 | 1142 | 26.47 | ppb | # | 37 |
| 8) Bromomethane | 1.68 | 94 | 25141 | 25.37 | ppb | | 95 |
| 9) Chloroethane | 1.77 | 64 | 20310 | 20.33 | ppb | | 99 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 69254 | 20.65 | ppb | | 99 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 90422 | 23.94 | ppb | | 91 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.27 | 85 | 19 | 15.75 | ppb | | 100 |
| 13) Acrolein | 2.44 | 56 | 32051 | 86.25 | ppb | | 99 |
| 14) Acetone | 2.61 | 43 | 29127 | 64.50 | ppb | | 99 |
| 15) Freon-113 | 2.53 | 151 | 37209 | 21.25 | ppb | | 94 |
| 16) Acetonitrile | 2.93 | 41 | 18046 | 142.86 | ppb | | 93 |
| 17) 2-propanol | 2.26 | 45 | 2021 | 107.98 | ppb | # | 81 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 69254 | 20.64 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 53746 | 23.36 | ppb | | 97 |
| 20) t-Butanol | 3.34 | 59 | 23282 | 129.99 | ppb | | 92 |
| 21) Methyl Acetate | 2.99 | 43 | 16974 | 20.87 | ppb | | 100 |
| 22) Iodomethane | 2.66 | 142 | 35780 | 20.61 | ppb | | 93 |
| 23) Acrylonitrile | 3.43 | 53 | 10005 | 22.05 | ppb | # | 84 |
| 24) 2-Methylpentane | 2.10 | 71 | 44 | 18.24 | ppb | # | 100 |
| 25) Methylene chloride | 3.08 | 84 | 34285 | 20.55 | ppb | | 94 |
| 26) Carbon disulfide | 2.71 | 76 | 44096 | 19.79 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 114470 | 21.36 | ppb | | 100 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 38698 | 24.57 | ppb | | 94 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 29) | 3-Methylpentane | 3.47 | 57 | 21607 | 24.67 | ppb | | 96 |
| 30) | Hexane | 3.73 | 56 | 771 | 35.50 | ppb | | 100 |
| 31) | Diisopropyl Ether | 4.24 | 45 | 74704 | 20.11 | ppb | | 96 |
| 32) | 1,1-DCA | 4.06 | 63 | 59120 | 21.50 | ppb | | 98 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 95539 | 19.66 | ppb | | 95 |
| 35) | Methylcyclopentane | 4.77 | 56 | 3929 | 19.23 | ppb | # | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 30811 | 58.42 | ppb | # | 91 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 40102 | 20.93 | ppb | | 94 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 73086 | 20.52 | ppb | | 99 |
| 39) | Chloroform | 5.36 | 83 | 81653 | 21.71 | ppb | | 100 |
| 40) | Bromochloromethane | 5.22 | 130 | 33221 | 23.42 | ppb | | 93 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 93844 | 23.87 | ppb | | 95 |
| 43) | Cyclohexane | 5.58 | 41 | 24494 | 20.75 | ppb | | 85 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 49132 | 22.19 | ppb | | 93 |
| 45) | 2,2,4-Trimethylpentane | 6.12 | 57 | 57952 | 16.53 | ppb | # | 81 |
| 47) | Carbon Tetrachloride | 5.73 | 117 | 81738 | 22.96 | ppb | | 94 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 93531 | 19.46 | ppb | | 97 |
| 49) | 1,2-DCA | 6.04 | 62 | 73123 | 21.42 | ppb | | 97 |
| 50) | Benzene | 5.99 | 78 | 134429 | 21.52 | ppb | | 95 |
| 51) | TCE | 6.75 | 95 | 41884 | 22.20 | ppb | | 85 |
| 52) | 2-Pentanone | 7.01 | 43 | 131778 | 150.39 | ppb | | 97 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 15331 | 23.28 | ppb | | 99 |
| 54) | Bromodichloromethane | 7.31 | 83 | 63530 | 21.79 | ppb | | 94 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 47883 | 20.50 | ppb | | 99 |
| 56) | Dibromomethane | 7.12 | 93 | 24263 | 21.72 | ppb | | 99 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 66896 | 56.12 | ppb | | 96 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 8668 | 20.95 | ppb | | 82 |
| 59) | 2-Chloroethyl vinyl ether | 7.64 | 43 | 135 | 107.24 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 58299 | 21.33 | ppb | | 92 |
| 61) | Toluene | 8.12 | 91 | 158484 | 20.66 | ppb | | 98 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 58054 | 20.70 | ppb | | 99 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 23159 | 19.22 | ppb | | 98 |
| 64) | 2-Hexanone | 8.83 | 43 | 48162 | 56.64 | ppb | | 96 |
| 67) | 1,2-EDB | 9.03 | 107 | 37727 | 23.98 | ppb | | 91 |
| 68) | Tetrachloroethene | 8.66 | 164 | 37992 | 24.65 | ppb | # | 77 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 27928 | 20.08 | ppb | | 92 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 54825 | 21.21 | ppb | | 97 |
| 71) | m&p-Xylene | 9.77 | 106 | 168462 | 43.65 | ppb | | 94 |
| 72) | o-Xylene | 10.16 | 106 | 80768 | 20.66 | ppb | | 96 |
| 73) | Styrene | 10.18 | 104 | 132105 | 20.70 | ppb | | 100 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 51570 | 21.33 | ppb | # | 81 |
| 76) | Dibromochloromethane | 8.93 | 129 | 55342 | 22.78 | ppb | | 97 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 77) | Chlorobenzene | 9.53 | 112 | 123674 | 20.90 | ppb | | 95 |
| 78) | Ethylbenzene | 9.65 | 91 | 190505 | 21.35 | ppb | | 99 |
| 79) | Bromoform | 10.35 | 173 | 46086 | 22.80 | ppb | | 91 |
| 81) | Isopropylbenzene | 10.53 | 105 | 215921 | 21.00 | ppb | | 96 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 34580 | 20.06 | ppb | | 93 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 18655 | 22.95 | ppb | | 93 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 9193 | 17.59 | ppb | | 76 |
| 85) | Bromobenzene | 10.81 | 156 | 72807 | 20.74 | ppb | | 87 |
| 86) | n-Propylbenzene | 10.94 | 91 | 218212 | 21.18 | ppb | | 98 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 204272 | 21.24 | ppb | | 94 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 166317 | 20.74 | ppb | | 92 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 188460 | 21.39 | ppb | | 96 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 169578 | 21.02 | ppb | | 99 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 113528 | 22.75 | ppb | | 98 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 194704 | 22.09 | ppb | | 97 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 210964 | 22.75 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 210376 | 21.74 | ppb | | 98 |
| 95) | Benzyl Chloride | 11.99 | 91 | 42029 | 17.98 | ppb | | 97 |
| 96) | 1,3-DCB | 11.75 | 146 | 126212 | 21.95 | ppb | | 98 |
| 97) | 1,4-DCB | 11.84 | 146 | 125705 | 22.43 | ppb | | 96 |
| 98) | n-Butylbenzene | 12.22 | 91 | 128982 | 20.53 | ppb | | 95 |
| 99) | 1,2-DCB | 12.21 | 146 | 124816 | 22.02 | ppb | | 98 |
| 100) | Hexachloroethane | 12.46 | 117 | 30628 | 20.04 | ppb | | 94 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 10893 | 22.83 | ppb | # | 81 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 49784 | 21.15 | ppb | | 88 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 53060 | 21.20 | ppb | | 97 |
| 104) | Naphthalene | 14.05 | 128 | 96821 | 26.22 | ppb | | 99 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 62906 | 21.74 | ppb | | 86 |

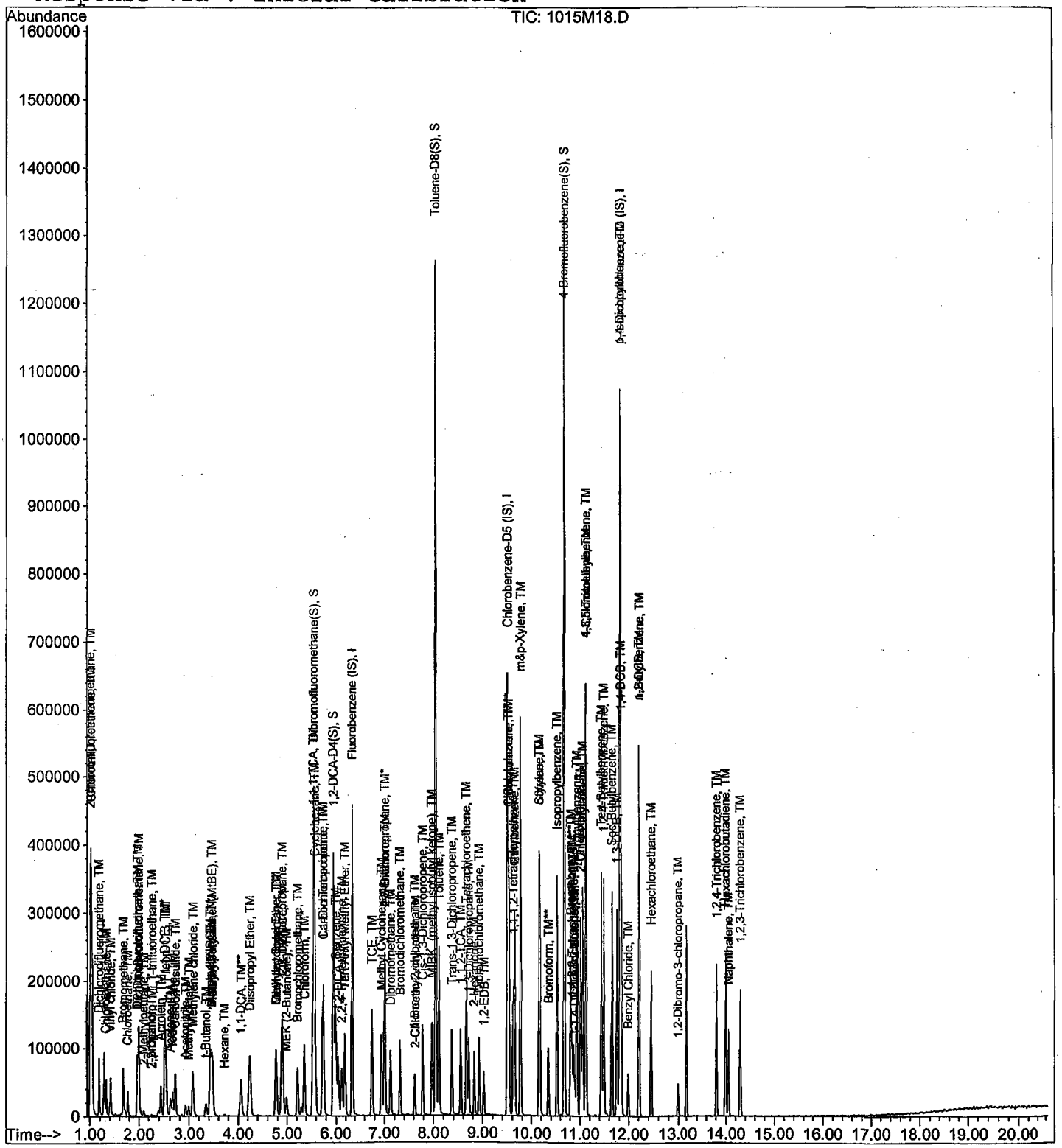
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211015\1015M18.D Vial: 8
Acq On : 15 Oct 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 394795 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 356570 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 246902 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 238087 | 49.90 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 199.604% | | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 166336 | 51.31 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 205.252% | | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 788816 | 48.87 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 195.484% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 335059 | 48.24 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 192.944% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.01 | 116 | 1951 | 12.60 | ppb | # | 73 |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 95360 | 47.61 | ppb | | 100 |
| 4) Freon 114 | 1.29 | 85 | 57360 | 34.02 | ppb | | 83 |
| 5) Chloromethane | 1.33 | 50 | 56542 | 46.36 | ppb | | 94 |
| 6) Vinyl chloride | 1.42 | 62 | 70630 | 48.13 | ppb | | 92 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.01 | 118 | 1922 | 44.68 | ppb | # | 51 |
| 8) Bromomethane | 1.68 | 94 | 51410 | 52.69 | ppb | | 91 |
| 9) Chloroethane | 1.77 | 64 | 42072 | 42.31 | ppb | | 97 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 141160 | 42.20 | ppb | | 99 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 187948 | 49.90 | ppb | | 98 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.18 | 85 | 25 | 20.78 | ppb | | 100 |
| 13) Acrolein | 2.43 | 56 | 40051 | 108.07 | ppb | | 88 |
| 14) Acetone | 2.62 | 43 | 39041 | 86.69 | ppb | | 98 |
| 15) Freon-113 | 2.52 | 151 | 70973 | 40.64 | ppb | | 97 |
| 16) Acetonitrile | 2.93 | 41 | 22065 | 175.15 | ppb | | 88 |
| 17) 2-propanol | 2.27 | 45 | 3181 | 170.43 | ppb | # | 81 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 141160 | 42.19 | ppb | | 100 |
| 19) 1,1-DCE | 2.50 | 61 | 104417 | 45.50 | ppb | | 96 |
| 20) t-Butanol | 3.35 | 59 | 36678 | 173.72 | ppb | | 96 |
| 21) Methyl Acetate | 2.99 | 43 | 34963 | 43.11 | ppb | | 95 |
| 22) Iodomethane | 2.66 | 142 | 81874 | 45.72 | ppb | | 95 |
| 23) Acrylonitrile | 3.43 | 53 | 19528 | 43.06 | ppb | # | 80 |
| 24) 2-Methylpentane | 2.10 | 71 | 116 | 48.21 | ppb | # | 100 |
| 25) Methylene chloride | 3.08 | 84 | 68587 | 41.23 | ppb | | 97 |
| 26) Carbon disulfide | 2.71 | 76 | 86056 | 38.73 | ppb | | 99 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 239816 | 44.88 | ppb | | 94 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 72205 | 46.70 | ppb | | 95 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 29) | 3-Methylpentane | 3.47 | 57 | 37452 | 43.35 | ppb | | 88 |
| 30) | Hexane | 3.70 | 56 | 751 | 34.68 | ppb | # | 100 |
| 31) | Diisopropyl Ether | 4.24 | 45 | 152386 | 41.14 | ppb | | 95 |
| 32) | 1,1-DCA | 4.06 | 63 | 116415 | 42.45 | ppb | # | 94 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 199919 | 41.25 | ppb | | 94 |
| 35) | Methylcyclopentane | 4.77 | 56 | 8348 | 40.96 | ppb | | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 43256 | 82.23 | ppb | | 88 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 82880 | 43.37 | ppb | | 92 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 141607 | 39.86 | ppb | | 99 |
| 39) | Chloroform | 5.36 | 83 | 160419 | 42.76 | ppb | | 94 |
| 40) | Bromochloromethane | 5.22 | 130 | 68479 | 49.26 | ppb | | 94 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 182393 | 46.52 | ppb | | 98 |
| 43) | Cyclohexane | 5.58 | 41 | 48312 | 41.04 | ppb | | 90 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 94511 | 42.80 | ppb | | 97 |
| 45) | 2,2,4-Trimethylpentane | 6.12 | 57 | 121452 | 34.73 | ppb | # | 86 |
| 47) | Carbon Tetrachloride | 5.74 | 117 | 166925 | 47.02 | ppb | | 98 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 194157 | 40.51 | ppb | | 97 |
| 49) | 1,2-DCA | 6.04 | 62 | 153949 | 45.21 | ppb | | 100 |
| 50) | Benzene | 5.99 | 78 | 269561 | 43.28 | ppb | | 99 |
| 51) | TCE | 6.75 | 95 | 85080 | 46.13 | ppb | | 85 |
| 52) | 2-Pentanone | 7.01 | 43 | 159478 | 182.50 | ppb | | 99 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 32440 | 49.75 | ppb | | 96 |
| 54) | Bromodichloromethane | 7.31 | 83 | 132884 | 45.71 | ppb | | 99 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 97260 | 42.40 | ppb | | 100 |
| 56) | Dibromomethane | 7.12 | 93 | 50236 | 45.10 | ppb | | 93 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 93060 | 78.28 | ppb | | 97 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 17760 | 43.04 | ppb | | 98 |
| 59) | 2-Chloroethyl vinyl ether | 7.58 | 43 | 20 | 15.93 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 117498 | 43.10 | ppb | | 96 |
| 61) | Toluene | 8.12 | 91 | 319786 | 41.80 | ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 122778 | 43.89 | ppb | | 99 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 47558 | 39.57 | ppb | | 94 |
| 64) | 2-Hexanone | 8.83 | 43 | 66653 | 78.60 | ppb | | 94 |
| 67) | 1,2-EDB | 9.03 | 107 | 74115 | 46.45 | ppb | | 95 |
| 68) | Tetrachloroethene | 8.66 | 164 | 70304 | 44.97 | ppb | | 81 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 54312 | 38.51 | ppb | | 96 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 111805 | 42.65 | ppb | | 92 |
| 71) | m&p-Xylene | 9.77 | 106 | 333019 | 85.09 | ppb | | 100 |
| 72) | o-Xylene | 10.16 | 106 | 167690 | 42.31 | ppb | | 100 |
| 73) | Styrene | 10.18 | 104 | 270125 | 41.74 | ppb | | 99 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 106532 | 43.44 | ppb | | 88 |
| 76) | Dibromochloromethane | 8.93 | 129 | 113393 | 46.02 | ppb | | 99 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M19.D Vial: 9
Acq On : 15 Oct 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 77) | Chlorobenzene | 9.53 | 112 | 247111 | 41.17 | ppb | 96 |
| 78) | Ethylbenzene | 9.65 | 91 | 393606 | 43.49 | ppb | 98 |
| 79) | Bromoform | 10.35 | 173 | 96934 | 47.29 | ppb | 94 |
| 81) | Isopropylbenzene | 10.53 | 105 | 436071 | 40.40 | ppb | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 72110 | 39.85 | ppb | 91 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 37233 | 43.97 | ppb | 94 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 20351 | 36.72 | ppb | 74 |
| 85) | Bromobenzene | 10.81 | 156 | 144680 | 39.26 | ppb | 93 |
| 86) | n-Propylbenzene | 10.94 | 91 | 452586 | 41.83 | ppb | 99 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 417221 | 41.31 | ppb | 95 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 340873 | 40.48 | ppb | 88 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 382964 | 41.40 | ppb | 97 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 343947 | 40.60 | ppb | 99 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 234880 | 44.83 | ppb | 98 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 396710 | 42.65 | ppb | 99 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 437165 | 44.90 | ppb | 99 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 441578 | 43.11 | ppb | 98 |
| 95) | Benzyl Chloride | 11.99 | 91 | 88019 | 35.87 | ppb | 99 |
| 96) | 1,3-DCB | 11.75 | 146 | 262502 | 43.48 | ppb | 98 |
| 97) | 1,4-DCB | 11.84 | 146 | 255429 | 43.91 | ppb | 96 |
| 98) | n-Butylbenzene | 12.22 | 91 | 282853 | 41.90 | ppb | 98 |
| 99) | 1,2-DCB | 12.21 | 146 | 253718 | 42.63 | ppb | 99 |
| 100) | Hexachloroethane | 12.46 | 117 | 65707 | 41.10 | ppb | 99 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 22876 | 44.84 | ppb | 91 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 113144 | 43.34 | ppb | 94 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 114209 | 42.64 | ppb | 98 |
| 104) | Naphthalene | 14.05 | 128 | 238304 | 52.27 | ppb | 99 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 146469 | 44.67 | ppb | 90 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report

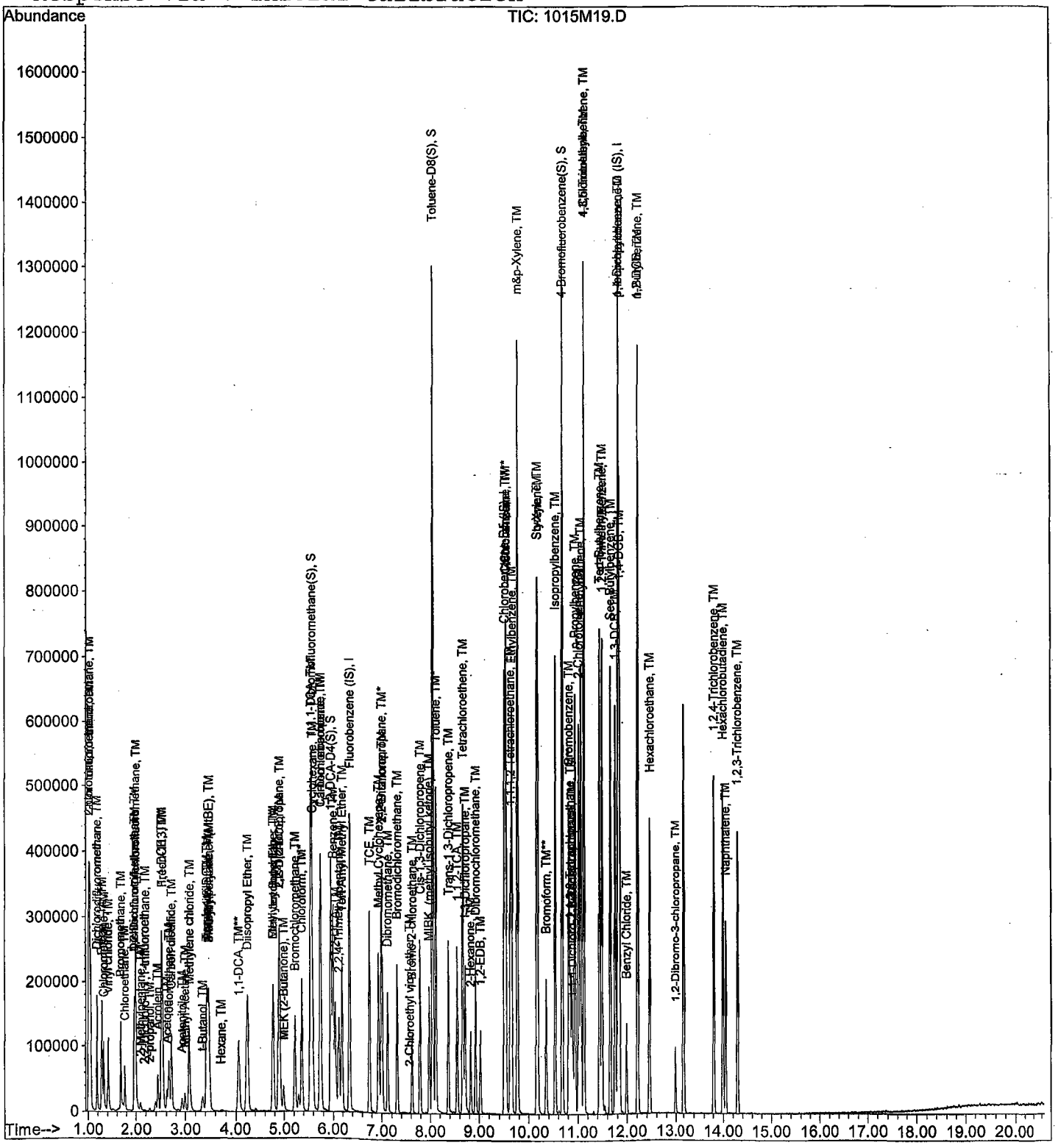
Data File : M:\MAX\DATA\211015\1015M19.D
Acq On : 15 Oct 21 18:31
Sample : 40ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 386789 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 357810 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 248989 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 442755 | 94.72 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 378.876% | | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 315456 | 99.33 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 397.320% | | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 1486255 | 91.76 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 367.048% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 657746 | 94.36 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 377.452% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Chlorotrifluoroethene | 1.02 | 116 | 1201 | 7.92 | ppb | # | 45 |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 234560 | 119.53 | ppb | | 99 |
| 4) Freon 114 | 1.29 | 85 | 146791 | 88.87 | ppb | | 80 |
| 5) Chloromethane | 1.33 | 50 | 143008 | 120.04 | ppb | | 97 |
| 6) Vinyl chloride | 1.42 | 62 | 168822 | 117.43 | ppb | | 98 |
| 7) 2-Chloro-1,1,1-trifluoroet | 1.00 | 118 | 1493 | 35.42 | ppb | # | 37 |
| 8) Bromomethane | 1.68 | 94 | 135974 | 143.32 | ppb | | 93 |
| 9) Chloroethane | 1.76 | 64 | 126156 | 129.66 | ppb | | 97 |
| 10) Dichlorofluoromethane | 1.96 | 67 | 347423 | 106.00 | ppb | | 100 |
| 11) Trichlorofluoromethane | 1.99 | 101 | 454942 | 123.28 | ppb | | 94 |
| 12) 2,2-Dichloro-1,1,1-trifluo | 2.39 | 85 | 85 | 72.11 | ppb | # | 100 |
| 13) Acrolein | 2.44 | 56 | 44550 | 122.70 | ppb | | 88 |
| 14) Acetone | 2.62 | 43 | 47910 | 108.58 | ppb | | 94 |
| 15) Freon-113 | 2.52 | 151 | 175591 | 102.62 | ppb | | 89 |
| 16) Acetonitrile | 2.94 | 41 | 23864 | 193.35 | ppb | | 91 |
| 17) 2-propanol | 2.30 | 45 | 8518 | 465.81 | ppb | | 92 |
| 18) 1,2-Dichlorotrifluoroethan | 1.96 | 67 | 347584 | 106.03 | ppb | # | 100 |
| 19) 1,1-DCE | 2.50 | 61 | 262927 | 116.95 | ppb | | 95 |
| 20) t-Butanol | 3.37 | 59 | 50833 | 214.24 | ppb | | 99 |
| 21) Methyl Acetate | 3.00 | 43 | 84654 | 106.53 | ppb | | 85 |
| 22) Iodomethane | 2.65 | 142 | 214716 | 120.36 | ppb | | 98 |
| 23) Acrylonitrile | 3.44 | 53 | 47089 | 105.86 | ppb | | 93 |
| 24) 2-Methylpentane | 2.09 | 71 | 220 | 93.32 | ppb | # | 100 |
| 25) Methylene chloride | 3.08 | 84 | 160180 | 98.28 | ppb | | 95 |
| 26) Carbon disulfide | 2.71 | 76 | 194560 | 89.38 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 555224 | 106.05 | ppb | | 93 |
| 28) Trans-1,2-DCE | 3.42 | 96 | 182546 | 121.83 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D
Acq On : 15 Oct 21 19:00
Sample : 100ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 29) | 3-Methylpentane | 3.47 | 57 | 93951 | 112.00 | ppb | | 89 |
| 30) | Hexane | 3.71 | 56 | 1846 | 87.00 | ppb | # | 100 |
| 31) | Diisopropyl Ether | 4.24 | 45 | 370710 | 102.14 | ppb | | 97 |
| 32) | 1,1-DCA | 4.06 | 63 | 285289 | 106.17 | ppb | # | 93 |
| 34) | Ethyl tert Butyl Ether | 4.77 | 59 | 459729 | 96.83 | ppb | | 97 |
| 35) | Methylcyclopentane | 4.77 | 56 | 17519 | 87.74 | ppb | # | 100 |
| 36) | MEK (2-Butanone) | 4.99 | 43 | 53511 | 103.84 | ppb | | 90 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 197796 | 105.64 | ppb | | 94 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 346511 | 99.56 | ppb | | 100 |
| 39) | Chloroform | 5.36 | 83 | 390282 | 106.18 | ppb | | 94 |
| 40) | Bromochloromethane | 5.22 | 130 | 156085 | 115.65 | ppb | # | 88 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 433213 | 112.79 | ppb | | 97 |
| 43) | Cyclohexane | 5.58 | 41 | 121867 | 105.66 | ppb | | 90 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 231228 | 106.87 | ppb | | 95 |
| 45) | 2,2,4-Trimethylpentane | 6.12 | 57 | 302605 | 88.31 | ppb | | 87 |
| 47) | Carbon Tetrachloride | 5.74 | 117 | 411487 | 118.31 | ppb | | 95 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 450960 | 96.03 | ppb | | 97 |
| 49) | 1,2-DCA | 6.04 | 62 | 367370 | 110.12 | ppb | | 98 |
| 50) | Benzene | 5.99 | 78 | 649591 | 106.45 | ppb | | 98 |
| 51) | TCE | 6.75 | 95 | 206061 | 115.34 | ppb | | 84 |
| 52) | 2-Pentanone | 7.01 | 43 | 179595 | 209.77 | ppb | | 99 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 72296 | 113.59 | ppb | | 96 |
| 54) | Bromodichloromethane | 7.31 | 83 | 317248 | 111.38 | ppb | | 100 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 236830 | 106.31 | ppb | | 93 |
| 56) | Dibromomethane | 7.12 | 93 | 119549 | 109.56 | ppb | | 95 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 114125 | 97.99 | ppb | | 98 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 42608 | 105.40 | ppb | | 91 |
| 59) | 2-Chloroethyl vinyl ether | 7.69 | 43 | 19 | 15.45 | ppb | # | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 293076 | 109.74 | ppb | | 94 |
| 61) | Toluene | 8.12 | 91 | 786013 | 104.86 | ppb | | 96 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 301333 | 109.95 | ppb | | 100 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 116902 | 99.29 | ppb | | 93 |
| 64) | 2-Hexanone | 8.83 | 43 | 83212 | 100.16 | ppb | # | 92 |
| 67) | 1,2-EDB | 9.03 | 107 | 187298 | 116.98 | ppb | | 98 |
| 68) | Tetrachloroethene | 8.66 | 164 | 163584 | 104.28 | ppb | | 86 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 140232 | 99.08 | ppb | | 96 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 281249 | 106.91 | ppb | | 97 |
| 71) | m&p-Xylene | 9.77 | 106 | 823233 | 209.61 | ppb | | 98 |
| 72) | o-Xylene | 10.16 | 106 | 418928 | 105.33 | ppb | | 98 |
| 73) | Styrene | 10.18 | 104 | 692047 | 106.57 | ppb | | 98 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 259322 | 105.38 | ppb | | 91 |
| 76) | Dibromochloromethane | 8.93 | 129 | 278663 | 112.70 | ppb | | 98 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M20.D Vial: 10
Acq On : 15 Oct 21 19:00 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 13:29 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 13:28:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 77) | Chlorobenzene | 9.53 | 112 | 618681 | 102.72 | ppb | 96 |
| 78) | Ethylbenzene | 9.65 | 91 | 972119 | 107.04 | ppb | 100 |
| 79) | Bromoform | 10.35 | 173 | 247112 | 120.13 | ppb | 95 |
| 81) | Isopropylbenzene | 10.54 | 105 | 1132302 | 104.03 | ppb | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.85 | 83 | 183360 | 100.48 | ppb | 93 |
| 83) | 1,2,3-Trichloropropane | 10.88 | 110 | 96387 | 113.47 | ppb | 94 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 52050 | 92.63 | ppb | 80 |
| 85) | Bromobenzene | 10.81 | 156 | 374456 | 100.76 | ppb | 91 |
| 86) | n-Propylbenzene | 10.94 | 91 | 1150904 | 105.49 | ppb | 100 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 1068018 | 104.87 | ppb | 94 |
| 88) | 2-Chlorotoluene | 11.02 | 91 | 751088 | 88.44 | ppb | 92 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 1000113 | 107.22 | ppb | 99 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 881242 | 103.15 | ppb | 99 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 615168 | 116.44 | ppb | 97 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 1027302 | 109.19 | ppb | 98 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 1145861 | 116.71 | ppb | 100 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 1156691 | 111.42 | ppb | 99 |
| 95) | Benzyl Chloride | 11.99 | 91 | 250447 | 101.21 | ppb | 97 |
| 96) | 1,3-DCB | 11.75 | 146 | 675841 | 111.01 | ppb | 99 |
| 97) | 1,4-DCB | 11.85 | 146 | 672085 | 115.40 | ppb | 98 |
| 98) | n-Butylbenzene | 12.22 | 91 | 786990 | 114.02 | ppb | 97 |
| 99) | 1,2-DCB | 12.21 | 146 | 677640 | 112.91 | ppb | 98 |
| 100) | Hexachloroethane | 12.46 | 117 | 181188 | 112.65 | ppb | 98 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 63114 | 121.24 | ppb | 93 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 337280 | 123.99 | ppb | 90 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 307962 | 112.70 | ppb | 97 |
| 104) | Naphthalene | 14.06 | 128 | 746536 | 118.59 | ppb | 97 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 462536 | 133.70 | ppb | 90 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report

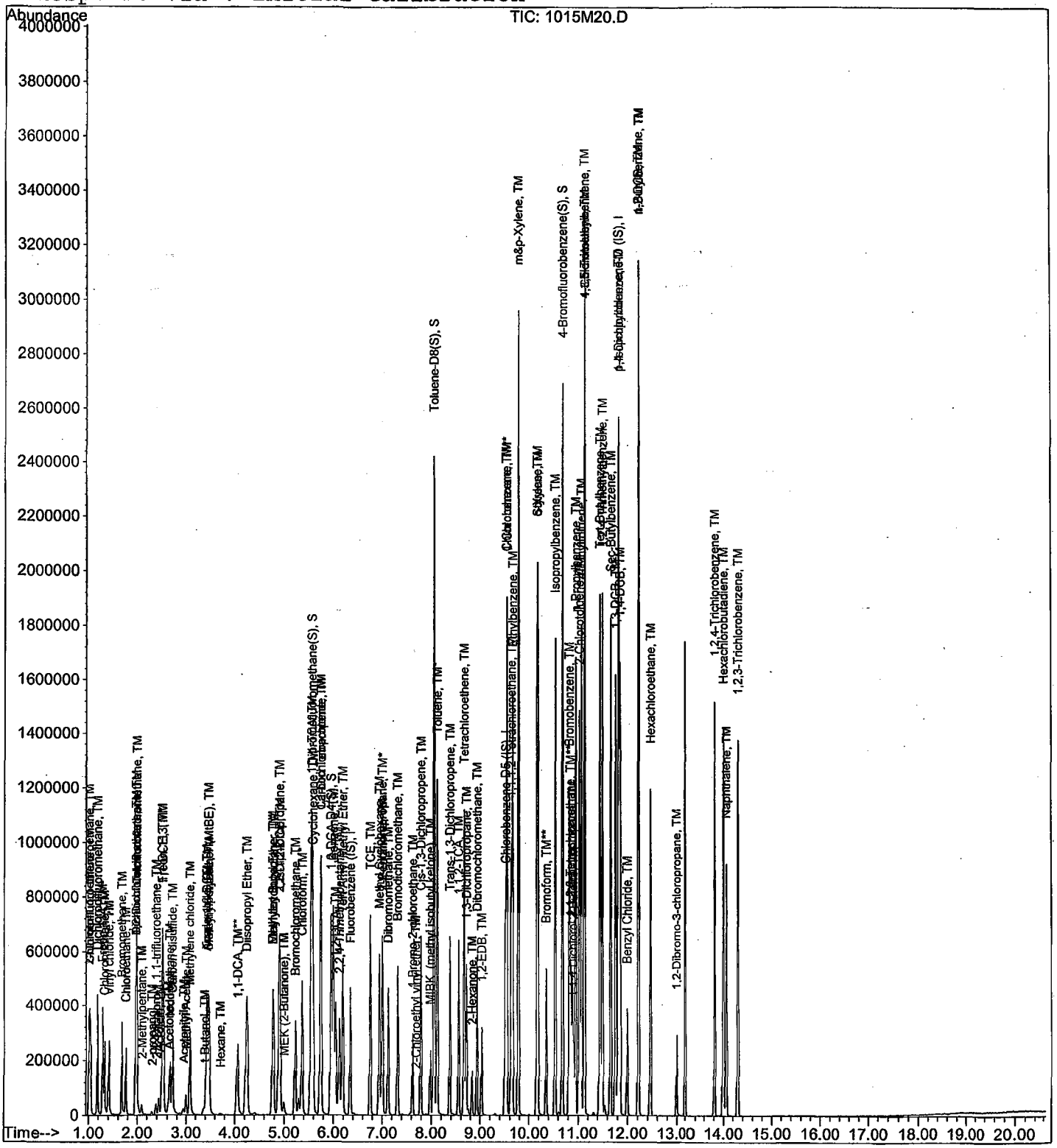
Data File : M:\MAX\DATA\211015\1015M20.D
Acq On : 15 Oct 21 19:00
Sample : 100ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 13:29 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1015M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift | |
|---|---|---|---|---|---|---|---|---|
| 1 | TM | Chlorotrifluoroethene | 0.0000 | 0.0122 | 0.00 | TM | | |
| 2 | TM | Dichlorodifluoromethane | 0.1497 | 0.1425 | 4.8 | TM | | |
| 3 | TM | Freon 114 | 0.0839 | 0.0990 | 18 | TM | | |
| 4 | TM** | Chloromethane | 0.0893 | 0.0842 | 5.7 | TM** | | |
| 5 | TM* | Vinyl chloride | 0.1101 | 0.1001 | 9.1 | TM* | | |
| 6 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0024 | 0.00 | TM | | |
| 7 | TM | Bromomethane | 0.0931 | 0.0814 | 13 | TM | | |
| 8 | TML | Chloroethane | 0.0844 | 0.0648 | 23 | TML | 8.2 | |
| 9 | TM | Dichlorofluoromethane | 0.2416 | 0.1948 | 19 | TM | | |
| 10 | TM | Trichlorofluoromethane | 0.2889 | 0.2752 | 4.8 | TM | | |
| 11 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | 0.0000 | 0.0001 | 0.00 | TM | | |
| 12 | TMQ | Acrolein | 0.0145 | 0.0122 | 15 | TMQ | 12 | |
| 13 | TM | Acetone | 0.0326 | 0.0319 | 2.1 | TM | | |
| 14 | TM | Freon-113 | 0.1176 | 0.1116 | 5.1 | TM | | |
| 15 | TM | Acetonitrile | 0.0077 | 0.0083 | 7.5 | TM | | |
| 16 | TML | 2-propanol | 0.0000 | 0.0009 | 0.00 | TML | | |
| 17 | TM | 1,2-Dichlorotrifluoroethane | 0.2416 | 0.1948 | 19 | TM | | |
| 18 | TM* | 1,1-DCE | 0.1751 | 0.1607 | 8.2 | TM* | | |
| 19 | TMQ | t-Butanol | 0.0101 | 0.0116 | 14 | TMQ | 16 | |
| 20 | TMQ | Methyl Acetate | 0.0528 | 0.0415 | 21 | TMQ | 24 | *Low |
| 21 | TML | Iodomethane | 0.1096 | 0.0881 | 20 | TML | 24 | *Low |
| 22 | TML | Acrylonitrile | 0.0252 | 0.0300 | 19 | TML | 2.8 | |
| 23 | TM | Methylene chloride | 0.1130 | 0.1086 | 3.9 | TM | | |
| 24 | TM | Carbon disulfide | 0.1424 | 0.1277 | 10 | TM | | |
| 25 | TM | Methyl t-butyl ether (MtBE) | 0.3769 | 0.3493 | 7.3 | TM | | |
| 26 | TM | Trans-1,2-DCE | 0.1221 | 0.1176 | 3.6 | TM | | |
| 27 | TML | 3-Methylpentane | 0.0702 | 0.0590 | 16 | TML | 7.9 | |
| 28 | TM | Hexane | 0.0000 | 0.0008 | 0.00 | TM | | |
| 29 | TM | Diisopropyl Ether | 0.2351 | 0.2190 | 6.9 | TM | | |
| 30 | TM** | 1,1-DCA | 0.1831 | 0.1889 | 3.2 | TM** | | |
| 31 | TM | Ethyl tert Butyl Ether | 0.3021 | 0.2803 | 7.2 | TM | | |
| 32 | TML | Methylcyclopentane | 0.0160 | 0.0145 | 9.4 | TML | 13 | |
| 33 | TM | MEK (2-Butanone) | 0.0341 | 0.0344 | 1.0 | TM | | |
| 34 | TM | Cis-1,2-DCE | 0.1352 | 0.1221 | 9.7 | TM | | |
| 35 | TM | 2,2-Dichloropropane | 0.2349 | 0.2108 | 10 | TM | | |
| 36 | TM* | Chloroform | 0.2377 | 0.2410 | 1.4 | TM* | | |
| 37 | TML | Bromochloromethane | 0.1040 | 0.0967 | 7.0 | TML | 9.0 | |
| 38 | TM | 1,1,1-TCA | 0.2791 | 0.2799 | 0.27 | TM | | |
| 39 | TM | Cyclohexane | 0.0798 | 0.0682 | 15 | TM | | |
| 40 | TM | 1,1-Dichloropropene | 0.1514 | 0.1477 | 2.5 | TM | | |
| | | Average | | | 8.6 | | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 10/15/2021
Matrix: Water Instrument: Max
Cal. Date: 10/15/2021
Data File: 1015M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | TM | 2,2,4-Trimethylpentane | 0.1964 | 0.1702 | 13 | TM | |
| 42 | TM | Carbon Tetrachloride | 0.2625 | 0.2517 | 4.1 | TM | |
| 43 | TM | Tert Amyl Methyl Ether | 0.2978 | 0.2793 | 6.2 | TM | |
| 44 | TM | 1,2-DCA | 0.2350 | 0.2325 | 1.1 | TM | |
| 45 | TM | Benzene | 0.4384 | 0.4137 | 5.6 | TM | |
| 46 | TM | TCE | 0.1404 | 0.1388 | 1.1 | TM | |
| 47 | TM | 2-Pentanone | 0.0570 | 0.0572 | 0.40 | TM | |
| 48 | TM*L | 1,2-Dichloropropane | 0.0476 | 0.0463 | 2.9 | TM*L | 5.1 |
| 49 | TM | Bromodichloromethane | 0.1968 | 0.1954 | 0.72 | TM | |
| 50 | TML | Methyl Cyclohexane | 0.1542 | 0.1469 | 4.7 | TML | 2.6 |
| 51 | TM | Dibromomethane | 0.0856 | 0.0761 | 11 | TM | |
| 52 | TM | MIBK (methyl isobutyl ketone) | 0.0729 | 0.0782 | 7.3 | TM | |
| 53 | TML | 1-Bromo-2-chloroethane | 0.0245 | 0.0257 | 4.8 | TML | 6.7 |
| 54 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0001 | 0.00 | TM | |
| 55 | TM | Cis-1,3-Dichloropropene | 0.1763 | 0.1779 | 0.88 | TM | |
| 56 | TM* | Toluene | 0.5070 | 0.4972 | 1.9 | TM* | |
| 57 | TM | Trans-1,3-Dichloropropene | 0.1749 | 0.1751 | 0.15 | TM | |
| 58 | TM | 1,1,2-TCA | 0.0786 | 0.0760 | 3.3 | TM | |
| 59 | TM | 2-Hexanone | 0.0493 | 0.0526 | 6.7 | TM | |
| 60 | TM | 1,2-EDB | 0.1319 | 0.1272 | 3.6 | TM | |
| 61 | TML | Tetrachloroethene | 0.2207 | 0.1356 | 39 | TML | 4.5 |
| 62 | TM | 1-Chlorohexane | 0.0992 | 0.0866 | 13 | TM | |
| 63 | TM | 1,1,1,2-Tetrachloroethane | 0.1860 | 0.1885 | 1.4 | TM | |
| 64 | TM | m&p-Xylene | 0.2826 | 0.2811 | 0.55 | TM | |
| 65 | TM | o-Xylene | 0.2964 | 0.2821 | 4.8 | TM | |
| 66 | TM | Styrene | 0.4463 | 0.4632 | 3.8 | TM | |
| 67 | TM | 1,3-Dichloropropane | 0.1940 | 0.1840 | 5.1 | TM | |
| 68 | TM | Dibromochloromethane | 0.1941 | 0.1947 | 0.35 | TM | |
| 69 | TM** | Chlorobenzene | 0.4334 | 0.4155 | 4.1 | TM** | |
| 70 | TM* | Ethylbenzene | 0.6860 | 0.6607 | 3.7 | TM* | |
| 71 | TM** | Bromoform | 0.1611 | 0.1543 | 4.2 | TM** | |
| 72 | TM | Isopropylbenzene | 1.166 | 1.132 | 2.9 | TM | |
| 73 | TM** | 1,1,2,2-Tetrachloroethane | 0.2001 | 0.1827 | 8.7 | TM** | |
| 74 | TM | 1,2,3-Trichloropropane | 0.1000 | 0.1008 | 0.81 | TM | |
| 75 | TML | t-1,4-Dichloro-2-Butene | 0.0601 | 0.0488 | 19 | TML | 4.0 |
| 76 | TM | Bromobenzene | 0.3816 | 0.3657 | 4.2 | TM | |
| 77 | TM | n-Propylbenzene | 1.151 | 1.138 | 1.2 | TM | |
| 78 | TM | 4-Ethyltoluene | 1.063 | 0.9969 | 6.2 | TM | |
| 79 | TM | 2-Chlorotoluene | 0.9129 | 0.8702 | 4.7 | TM | |
| 80 | TM | 1,3,5-Trimethylbenzene | 0.9948 | 1.004 | 0.90 | TM | |
| | | Average | | | 5.2 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 10/15/2021
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1015M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 81 | TM | 4-Chlorotoluene | 0.9068 | 0.8859 | 2.3 | TM | |
| 82 | TM | Tert-Butylbenzene | 0.5492 | 0.5705 | 3.9 | TM | |
| 83 | TM | 1,2,4-Trimethylbenzene | 0.9425 | 0.9915 | 5.2 | TM | |
| 84 | TM | Sec-Butylbenzene | 1.051 | 1.108 | 5.5 | TM | |
| 85 | TM | p-Isopropyltoluene | 1.016 | 1.070 | 5.3 | TM | |
| 86 | TM | Benzyl Chloride | 0.2406 | 0.2024 | 16 | TM | |
| 87 | TM | 1,3-DCB | 0.6644 | 0.6756 | 1.7 | TM | |
| 88 | TM | 1,4-DCB | 0.6767 | 0.6541 | 3.3 | TM | |
| 89 | TML | n-Butylbenzene | 0.5721 | 0.6278 | 9.7 | TML | 7.4 |
| 90 | TM | 1,2-DCB | 0.6504 | 0.6356 | 2.3 | TM | |
| 91 | TM | Hexachloroethane | 0.1703 | 0.1719 | 0.98 | TM | |
| 92 | TML | 1,2-Dibromo-3-chloropropane | 0.0437 | 0.0485 | 11 | TML | 13 |
| 93 | TML | 1,2,4-Trichlorobenzene | 0.1936 | 0.2049 | 5.8 | TML | 17 |
| 94 | TML | Hexachlorobutadiene | 0.2401 | 0.2482 | 3.4 | TML | 9.7 |
| 95 | TMQ | Naphthalene | 0.4088 | 0.4281 | 4.7 | TMQ | 8.9 |
| 96 | TML | 1,2,3-Trichlorobenzene | 0.2371 | 0.2821 | 19 | TML | 13 |
| 97 | | | | | | | |
| 98 | | | | | | | |
| 99 | | | | | | | |
| 100 | | | | | | | |
| 101 | | | | | | | |
| 102 | | | | | | | |
| 103 | | | | | | | |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |
| | | Average | | | 6.3 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.34 | 96 | 407759 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.50 | 117 | 364241 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.82 | 152 | 235667 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.56 | 111 | 123620 | 24.41 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 97.644% | | | |
| 46) 1,2-DCA-D4(S) | 5.95 | 65 | 86328 | 24.44 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 97.764% | | | |
| 66) Toluene-D8(S) | 8.05 | 98 | 412111 | 24.62 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.464% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.68 | 95 | 166312 | 24.60 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.388% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.18 | 85 | 23248 | 9.52 | ppb | | 98 |
| 4) Freon 114 | 1.29 | 85 | 16154 | 11.81 | ppb | | 81 |
| 5) Chloromethane | 1.33 | 50 | 13730 | 9.43 | ppb | | 91 |
| 6) Vinyl chloride | 1.42 | 62 | 16330 | 9.09 | ppb | | 99 |
| 8) Bromomethane | 1.68 | 94 | 13271 | 8.74 | ppb | | 98 |
| 9) Chloroethane | 1.77 | 64 | 10562 | 9.18 | ppb | | 92 |
| 10) Dichlorofluoromethane | 1.97 | 67 | 31774 | 8.06 | ppb | | 97 |
| 11) Trichlorofluoromethane | 2.00 | 101 | 44881 | 9.52 | ppb | | 96 |
| 13) Acrolein | 2.44 | 56 | 24941 | 109.40 | ppb | | 90 |
| 14) Acetone | 2.61 | 43 | 26025 | 48.95 | ppb | | 99 |
| 15) Freon-113 | 2.52 | 151 | 18195 | 9.49 | ppb | | 94 |
| 16) Acetonitrile | 2.93 | 41 | 16970 | 134.32 | ppb | | 90 |
| 18) 1,2-Dichlorotrifluoroethan | 1.97 | 67 | 31774 | 8.06 | ppb | | 100 |
| 19) 1,1-DCE | 2.51 | 61 | 26210 | 9.18 | ppb | | 99 |
| 20) t-Butanol | 3.34 | 59 | 23571 | 144.72 | ppb | | 93 |
| 21) Methyl Acetate | 2.99 | 43 | 6766 | 7.57 | ppb | | 95 |
| 22) Iodomethane | 2.66 | 142 | 14370 | 7.58 | ppb | | 95 |
| 23) Acrylonitrile | 3.43 | 53 | 4893 | 9.72 | ppb | | 91 |
| 25) Methylene chloride | 3.08 | 84 | 17714 | 9.61 | ppb | | 94 |
| 26) Carbon disulfide | 2.71 | 76 | 20832 | 8.97 | ppb | # | 92 |
| 27) Methyl t-butyl ether (MtBE | 3.47 | 73 | 56980 | 9.27 | ppb | | 92 |
| 28) Trans-1,2-DCE | 3.43 | 96 | 19186 | 9.64 | ppb | | 92 |
| 29) 3-Methylpentane | 3.46 | 57 | 9624 | 9.21 | ppb | # | 87 |
| 31) Diisopropyl Ether | 4.24 | 45 | 35716 | 9.31 | ppb | | 90 |
| 32) 1,1-DCA | 4.06 | 63 | 30810 | 10.32 | ppb | | 95 |
| 34) Ethyl tert Butyl Ether | 4.77 | 59 | 45712 | 9.28 | ppb | | 96 |
| 35) Methylcyclopentane | 4.78 | 56 | 2359 | 11.28 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211015\1015M22.D Vial: 12
Acq On : 15 Oct 21 19:57 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 10/15/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | MEK (2-Butanone) | 4.99 | 43 | 28077 | 50.51 | ppb | # | 93 |
| 37) | Cis-1,2-DCE | 4.91 | 96 | 19914 | 9.03 | ppb | | 92 |
| 38) | 2,2-Dichloropropane | 4.89 | 77 | 34376 | 8.97 | ppb | | 97 |
| 39) | Chloroform | 5.36 | 83 | 39302 | 10.14 | ppb | | 97 |
| 40) | Bromochloromethane | 5.22 | 130 | 15775 | 9.10 | ppb | | 95 |
| 42) | 1,1,1-TCA | 5.54 | 97 | 45646 | 10.03 | ppb | | 94 |
| 43) | Cyclohexane | 5.59 | 41 | 11131 | 8.55 | ppb | | 86 |
| 44) | 1,1-Dichloropropene | 5.75 | 75 | 24083 | 9.75 | ppb | | 95 |
| 45) | 2,2,4-Trimethylpentane | 6.12 | 57 | 27765 | 8.67 | ppb | | 86 |
| 47) | Carbon Tetrachloride | 5.74 | 117 | 41049 | 9.59 | ppb | | 95 |
| 48) | Tert Amyl Methyl Ether | 6.18 | 73 | 45547 | 9.38 | ppb | | 96 |
| 49) | 1,2-DCA | 6.04 | 62 | 37921 | 9.89 | ppb | | 97 |
| 50) | Benzene | 5.99 | 78 | 67483 | 9.44 | ppb | | 96 |
| 51) | TCE | 6.75 | 95 | 22638 | 9.89 | ppb | | 91 |
| 52) | 2-Pentanone | 7.01 | 43 | 116600 | 125.50 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 7.00 | 63 | 7545 | 9.49 | ppb | # | 91 |
| 54) | Bromodichloromethane | 7.31 | 83 | 31868 | 9.93 | ppb | | 97 |
| 55) | Methyl Cyclohexane | 6.94 | 83 | 23967 | 9.74 | ppb | | 90 |
| 56) | Dibromomethane | 7.12 | 93 | 12407 | 8.88 | ppb | | 93 |
| 57) | MIBK (methyl isobutyl ket | 7.98 | 43 | 63733 | 53.64 | ppb | | 95 |
| 58) | 1-Bromo-2-chloroethane | 7.62 | 144 | 4192 | 9.33 | ppb | | 75 |
| 60) | Cis-1,3-Dichloropropene | 7.79 | 75 | 29014 | 10.09 | ppb | | 96 |
| 61) | Toluene | 8.12 | 91 | 81096 | 9.81 | ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.37 | 75 | 28562 | 10.02 | ppb | | 97 |
| 63) | 1,1,2-TCA | 8.55 | 83 | 12396 | 9.67 | ppb | | 88 |
| 64) | 2-Hexanone | 8.83 | 43 | 42858 | 53.33 | ppb | | 97 |
| 67) | 1,2-EDB | 9.03 | 107 | 18534 | 9.64 | ppb | | 93 |
| 68) | Tetrachloroethene | 8.66 | 164 | 19760 | 10.45 | ppb | # | 76 |
| 69) | 1-Chlorohexane | 9.53 | 91 | 12619 | 8.73 | ppb | | 96 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.62 | 131 | 27467 | 10.14 | ppb | | 93 |
| 71) | m&p-Xylene | 9.77 | 106 | 81898 | 19.89 | ppb | | 97 |
| 72) | o-Xylene | 10.16 | 106 | 41097 | 9.52 | ppb | | 90 |
| 73) | Styrene | 10.18 | 104 | 67486 | 10.38 | ppb | # | 95 |
| 75) | 1,3-Dichloropropane | 8.71 | 76 | 26810 | 9.49 | ppb | | 92 |
| 76) | Dibromochloromethane | 8.93 | 129 | 28373 | 10.03 | ppb | | 98 |
| 77) | Chlorobenzene | 9.53 | 112 | 60543 | 9.59 | ppb | | 98 |
| 78) | Ethylbenzene | 9.65 | 91 | 96264 | 9.63 | ppb | | 99 |
| 79) | Bromoform | 10.35 | 173 | 22475 | 9.58 | ppb | | 89 |
| 81) | Isopropylbenzene | 10.53 | 105 | 106724 | 9.71 | ppb | | 99 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.84 | 83 | 17225 | 9.13 | ppb | # | 88 |
| 83) | 1,2,3-Trichloropropane | 10.87 | 110 | 9505 | 10.08 | ppb | | 85 |
| 84) | t-1,4-Dichloro-2-Butene | 10.90 | 53 | 4599 | 9.60 | ppb | | 75 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211015\1015M22.D
Acq On : 15 Oct 21 19:57
Sample : (SS) 10ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 85) | Bromobenzene | 10.81 | 156 | 34477 | 9.58 | ppb | | 91 |
| 86) | n-Propylbenzene | 10.94 | 91 | 107263 | 9.88 | ppb | | 94 |
| 87) | 4-Ethyltoluene | 11.06 | 105 | 93970 | 9.38 | ppb | | 94 |
| 88) | 2-Chlorotoluene | 11.01 | 91 | 82030 | 9.53 | ppb | | 94 |
| 89) | 1,3,5-Trimethylbenzene | 11.12 | 105 | 94620 | 10.09 | ppb | | 96 |
| 90) | 4-Chlorotoluene | 11.13 | 91 | 83509 | 9.77 | ppb | | 98 |
| 91) | Tert-Butylbenzene | 11.44 | 119 | 53776 | 10.39 | ppb | | 96 |
| 92) | 1,2,4-Trimethylbenzene | 11.49 | 105 | 93466 | 10.52 | ppb | | 98 |
| 93) | Sec-Butylbenzene | 11.66 | 105 | 104477 | 10.55 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.81 | 119 | 100883 | 10.53 | ppb | | 97 |
| 95) | Benzyl Chloride | 11.99 | 91 | 19077 | 8.41 | ppb | | 97 |
| 96) | 1,3-DCB | 11.75 | 146 | 63689 | 10.17 | ppb | | 94 |
| 97) | 1,4-DCB | 11.84 | 146 | 61660 | 9.67 | ppb | | 97 |
| 98) | n-Butylbenzene | 12.22 | 91 | 59181 | 9.26 | ppb | | 96 |
| 99) | 1,2-DCB | 12.21 | 146 | 59914 | 9.77 | ppb | | 96 |
| 100) | Hexachloroethane | 12.46 | 117 | 16207 | 10.10 | ppb | | 91 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.99 | 75 | 4572 | 8.68 | ppb | # | 90 |
| 102) | 1,2,4-Trichlorobenzene | 13.81 | 180 | 19312 | 8.25 | ppb | | 89 |
| 103) | Hexachlorobutadiene | 13.99 | 225 | 23401 | 9.03 | ppb | | 92 |
| 104) | Naphthalene | 14.06 | 128 | 40355 | 9.11 | ppb | | 99 |
| 105) | 1,2,3-Trichlorobenzene | 14.30 | 180 | 26595 | 8.69 | ppb | | 90 |

(#) = qualifier out of range (m) = manual integration

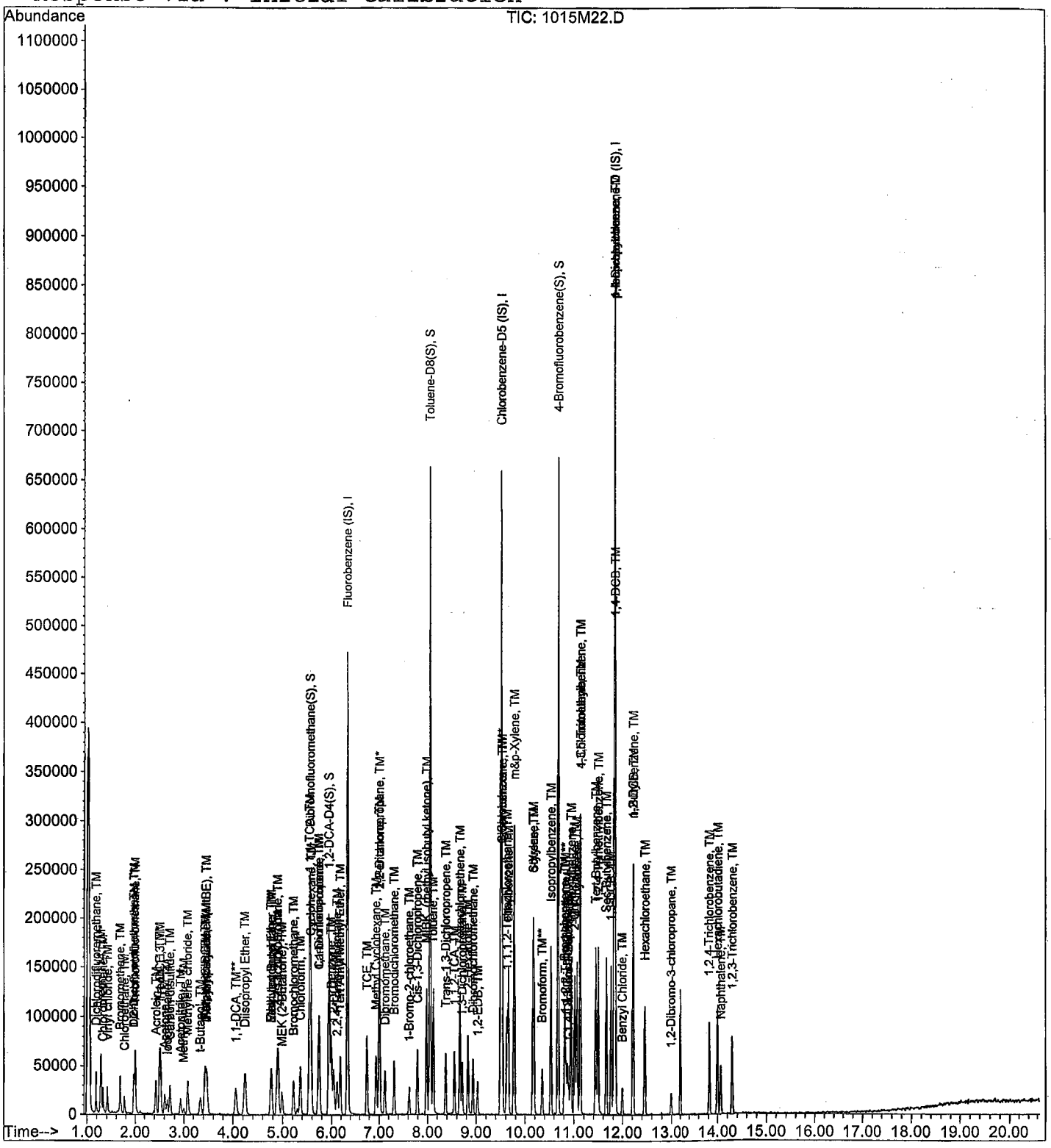
Quantitation Report

Data File : M:\MAX\DATA\211015\1015M22.D
Acq On : 15 Oct 21 19:57
Sample : (SS) 10ug/L VOC STD 10/15/21
Misc : IS&S 8/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Oct 16 14:01 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 10:01
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1102M03.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TM | Chlorotrifluoroethene | 0.0000 | 0.0108 | 0.00 | TM | |
| 3 | TM | Dichlorodifluoromethane | 0.1497 | 0.1607 | 7.4 | TM | |
| 4 | TM | Freon 114 | 0.0839 | 0.0988 | 18 | TM | |
| 5 | TM** | Chloromethane | 0.0893 | 0.0884 | 1.1 | TM** | |
| 6 | TM* | Vinyl chloride | 0.1101 | 0.0941 | 15 | TM* | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0035 | 0.00 | TM | |
| 8 | TM | Bromomethane | 0.0931 | 0.1066 | 15 | TM | |
| 9 | TML | Chloroethane | 0.0844 | 0.0724 | 14 | TML | 1.3 |
| 10 | TM | Dichlorofluoromethane | 0.2416 | 0.2511 | 3.9 | TM | |
| 11 | TM | Trichlorofluoromethane | 0.2889 | 0.2832 | 2.0 | TM | |
| 12 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | 0.0000 | 0.0002 | 0.00 | TM | |
| 13 | TMQ | Acrolein | 0.0145 | 0.0121 | 16 | TMQ | 14 |
| 14 | TM | Acetone | 0.0326 | 0.0298 | 8.6 | TM | |
| 15 | TM | Freon-113 | 0.1176 | 0.1162 | 1.2 | TM | |
| 16 | TM | Acetonitrile | 0.0077 | 0.0076 | 2.1 | TM | |
| 17 | TML | 2-propanol | 0.0000 | 0.0011 | 0.00 | TML | |
| 18 | TM | 1,2-Dichlorotrifluoroethane | 0.2416 | 0.2511 | 3.9 | TM | |
| 19 | TM* | 1,1-DCE | 0.1751 | 0.1594 | 8.9 | TM* | |
| 20 | TMQ | t-Butanol | 0.0101 | 0.0115 | 13 | TMQ | 15 |
| 21 | TMQ | Methyl Acetate | 0.0528 | 0.0504 | 4.5 | TMQ | 8.1 |
| 22 | TML | Iodomethane | 0.1096 | 0.1169 | 6.7 | TML | 3.5 |
| 23 | TML | Acrylonitrile | 0.0252 | 0.0359 | 43 | TML | 17 |
| 24 | TM | Methylene chloride | 0.1130 | 0.1155 | 2.2 | TM | |
| 25 | TM | Carbon disulfide | 0.1424 | 0.1422 | 0.15 | TM | |
| 26 | TM | Methyl t-butyl ether (MtBE) | 0.3769 | 0.4089 | 8.5 | TM | |
| 27 | TM | Trans-1,2-DCE | 0.1221 | 0.1140 | 6.6 | TM | |
| 28 | TML | 3-Methylpentane | 0.0702 | 0.0571 | 19 | TML | 11 |
| 29 | TM | Hexane | 0.0000 | 0.0005 | 0.00 | TM | |
| 30 | TM | Diisopropyl Ether | 0.2351 | 0.2522 | 7.3 | TM | |
| 31 | TM** | 1,1-DCA | 0.1831 | 0.1826 | 0.24 | TM** | |
| 32 | TM | Ethyl tert Butyl Ether | 0.3021 | 0.3115 | 3.1 | TM | |
| 33 | TML | Methylcyclopentane | 0.0160 | 0.0144 | 9.8 | TML | 12 |
| 34 | TM | MEK (2-Butanone) | 0.0341 | 0.0367 | 7.7 | TM | |
| 35 | TM | Cis-1,2-DCE | 0.1352 | 0.1395 | 3.1 | TM | |
| 36 | TM | 2,2-Dichloropropane | 0.2349 | 0.2587 | 10 | TM | |
| 37 | TM* | Chloroform | 0.2377 | 0.2589 | 8.9 | TM* | |
| 38 | TML | Bromochloromethane | 0.1040 | 0.1058 | 1.8 | TML | 0.01 |
| 39 | S | Dibromofluoromethane(S) | 0.3105 | 0.3104 | 0.01 | S | |
| 40 | TM | 1,1,1-TCA | 0.2791 | 0.2989 | 7.1 | TM | |
| | | Average | | | 7.2 | | |

# VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 10:01
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1102M03.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | TM | Cyclohexane | 0.0798 | 0.0767 | 3.9 | TM | |
| 42 | TM | 1,1-Dichloropropene | 0.1514 | 0.1542 | 1.8 | TM | |
| 43 | TM | 2,2,4-Trimethylpentane | 0.1964 | 0.2102 | 7.1 | TM | |
| 44 | S | 1,2-DCA-D4(S) | 0.2166 | 0.2212 | 2.1 | S | |
| 45 | TM | Carbon Tetrachloride | 0.2625 | 0.2660 | 1.3 | TM | |
| 46 | TM | Tert Amyl Methyl Ether | 0.2978 | 0.3241 | 8.8 | TM | |
| 47 | TM | 1,2-DCA | 0.2350 | 0.2463 | 4.8 | TM | |
| 48 | TM | Benzene | 0.4384 | 0.4201 | 4.2 | TM | |
| 49 | TM | TCE | 0.1404 | 0.1371 | 2.3 | TM | |
| 50 | TM | 2-Pentanone | 0.0570 | 0.0609 | 7.0 | TM | |
| 51 | TM*L | 1,2-Dichloropropane | 0.0476 | 0.0483 | 1.4 | TM*L | 0.77 |
| 52 | TM | Bromodichloromethane | 0.1968 | 0.2037 | 3.5 | TM | |
| 53 | TML | Methyl Cyclohexane | 0.1542 | 0.1549 | 0.47 | TML | 2.6 |
| 54 | TM | Dibromomethane | 0.0856 | 0.0810 | 5.3 | TM | |
| 55 | TM | MIBK (methyl isobutyl ketone) | 0.0729 | 0.0798 | 9.5 | TM | |
| 56 | TML | 1-Bromo-2-chloroethane | 0.0245 | 0.0297 | 21 | TML | 8.0 |
| 57 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0000 | 0.00 | TM | |
| 58 | TM | Cis-1,3-Dichloropropene | 0.1763 | 0.1973 | 12 | TM | |
| 59 | TM* | Toluene | 0.5070 | 0.5316 | 4.9 | TM* | |
| 60 | TM | Trans-1,3-Dichloropropene | 0.1749 | 0.1915 | 9.5 | TM | |
| 61 | TM | 1,1,2-TCA | 0.0786 | 0.0752 | 4.3 | TM | |
| 62 | TM | 2-Hexanone | 0.0493 | 0.0529 | 7.5 | TM | |
| 63 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 64 | S | Toluene-D8(S) | 1.149 | 1.161 | 1.0 | S | |
| 65 | TM | 1,2-EDB | 0.1319 | 0.1304 | 1.2 | TM | |
| 66 | TML | Tetrachloroethene | 0.2207 | 0.1230 | 44 | TML | 6.6 |
| 67 | TM | 1-Chlorohexane | 0.0992 | 0.0993 | 0.12 | TM | |
| 68 | TM | 1,1,1,2-Tetrachloroethane | 0.1860 | 0.1967 | 5.8 | TM | |
| 69 | TM | m&p-Xylene | 0.2826 | 0.2955 | 4.5 | TM | |
| 70 | TM | o-Xylene | 0.2964 | 0.2951 | 0.44 | TM | |
| 71 | TM | Styrene | 0.4463 | 0.4705 | 5.4 | TM | |
| 72 | S | 4-Bromofluorobenzene(S) | 0.4641 | 0.4714 | 1.6 | S | |
| 73 | TM | 1,3-Dichloropropane | 0.1940 | 0.1705 | 12 | TM | |
| 74 | TM | Dibromochloromethane | 0.1941 | 0.1905 | 1.8 | TM | |
| 75 | TM** | Chlorobenzene | 0.4334 | 0.4438 | 2.4 | TM** | |
| 76 | TM* | Ethylbenzene | 0.6860 | 0.6948 | 1.3 | TM* | |
| 77 | TM** | Bromoform | 0.1611 | 0.1615 | 0.26 | TM** | |
| 78 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
| 79 | TM | Isopropylbenzene | 1.166 | 1.164 | 0.12 | TM | |
| 80 | TM** | 1,1,2,2-Tetrachloroethane | 0.2001 | 0.1884 | 5.8 | TM** | |
| | | Average | | | 5.5 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 10:01
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1102M03.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 81 | TM | 1,2,3-Trichloropropane | 0.1000 | 0.1058 | 5.8 | TM | |
| 82 | TML | t-1,4-Dichloro-2-Butene | 0.0601 | 0.0538 | 11 | TML | 5.5 |
| 83 | TM | Bromobenzene | 0.3816 | 0.4003 | 4.9 | TM | |
| 84 | TM | n-Propylbenzene | 1.151 | 1.194 | 3.7 | TM | |
| 85 | TM | 4-Ethyltoluene | 1.063 | 1.119 | 5.3 | TM | |
| 86 | TM | 2-Chlorotoluene | 0.9129 | 0.9293 | 1.8 | TM | |
| 87 | TM | 1,3,5-Trimethylbenzene | 0.9948 | 1.045 | 5.1 | TM | |
| 88 | TM | 4-Chlorotoluene | 0.9068 | 0.8963 | 1.2 | TM | |
| 89 | TM | Tert-Butylbenzene | 0.5492 | 0.6066 | 10 | TM | |
| 90 | TM | 1,2,4-Trimethylbenzene | 0.9425 | 1.010 | 7.2 | TM | |
| 91 | TM | Sec-Butylbenzene | 1.051 | 1.112 | 5.8 | TM | |
| 92 | TM | p-Isopropyltoluene | 1.016 | 1.069 | 5.2 | TM | |
| 93 | TM | Benzyl Chloride | 0.2406 | 0.2579 | 7.2 | TM | |
| 94 | TM | 1,3-DCB | 0.6644 | 0.6811 | 2.5 | TM | |
| 95 | TM | 1,4-DCB | 0.6767 | 0.6822 | 0.81 | TM | |
| 96 | TML | n-Butylbenzene | 0.5721 | 0.6281 | 9.8 | TML | 7.4 |
| 97 | TM | 1,2-DCB | 0.6504 | 0.6456 | 0.74 | TM | |
| 98 | TM | Hexachloroethane | 0.1703 | 0.1827 | 7.3 | TM | |
| 99 | TML | 1,2-Dibromo-3-chloropropane | 0.0437 | 0.0526 | 20 | TML | 6.7 |
| 100 | TML | 1,2,4-Trichlorobenzene | 0.1936 | 0.2119 | 9.4 | TML | 15 |
| 101 | TML | Hexachlorobutadiene | 0.2401 | 0.2567 | 6.9 | TML | 7.0 |
| 102 | TMQ | Naphthalene | 0.4088 | 0.4033 | 1.3 | TMQ | 13 |
| 103 | TML | 1,2,3-Trichlorobenzene | 0.2371 | 0.2682 | 13 | TML | 16 |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |
| | | Average | | | 6.3 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M03.D Vial: 3
Acq On : 2 Nov 21 10:01 Operator: LP,DG,CH
Sample : 211102A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 10:28 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 367144 | 25.00 | ppb | | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 349682 | 25.00 | ppb | | 0.03 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 224818 | 25.00 | ppb | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 113978 | 25.00 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 99.984% | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 81200 | 25.53 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 102.128% | | | |
| 66) Toluene-D8(S) | 8.08 | 98 | 405942 | 25.26 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 101.028% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 164846 | 25.40 | ppb | | 0.02 |
| Spiked Amount 25.000 | | | Recovery = | 101.580% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 23600 | 10.74 | ppb | | 96 |
| 4) Freon 114 | 1.30 | 85 | 14516 | 11.79 | ppb | | 84 |
| 5) Chloromethane | 1.34 | 50 | 12978 | 9.89 | ppb | | 98 |
| 6) Vinyl chloride | 1.43 | 62 | 13825 | 8.55 | ppb | | 97 |
| 8) Bromomethane | 1.69 | 94 | 15659 | 11.46 | ppb | | 85 |
| 9) Chloroethane | 1.79 | 64 | 10631 | 10.13 | ppb | | 90 |
| 10) Dichlorofluoromethane | 1.98 | 67 | 36871 | 10.39 | ppb | | 95 |
| 11) Trichlorofluoromethane | 2.02 | 101 | 41589 | 9.80 | ppb | | 100 |
| 13) Acrolein | 2.46 | 56 | 22155 | 107.96 | ppb | | 99 |
| 14) Acetone | 2.63 | 43 | 21868 | 45.68 | ppb | | 95 |
| 15) Freon-113 | 2.55 | 151 | 17062 | 9.88 | ppb | | 89 |
| 16) Acetonitrile | 2.95 | 41 | 13917 | 122.34 | ppb | | 97 |
| 18) 1,2-Dichlorotrifluoroethan | 1.98 | 67 | 36871 | 10.39 | ppb | | 100 |
| 19) 1,1-DCE | 2.53 | 61 | 23410 | 9.11 | ppb | | 97 |
| 20) t-Butanol | 3.38 | 59 | 21027 | 143.20 | ppb | # | 89 |
| 21) Methyl Acetate | 3.02 | 43 | 7403 | 9.19 | ppb | # | 65 |
| 22) Iodomethane | 2.68 | 142 | 17173 | 9.65 | ppb | | 93 |
| 23) Acrylonitrile | 3.46 | 53 | 5278 | 11.67 | ppb | # | 91 |
| 25) Methylene chloride | 3.11 | 84 | 16955 | 10.22 | ppb | | 89 |
| 26) Carbon disulfide | 2.73 | 76 | 20880 | 9.98 | ppb | | 93 |
| 27) Methyl t-butyl ether (MtBE | 3.50 | 73 | 60052 | 10.85 | ppb | # | 89 |
| 28) Trans-1,2-DCE | 3.46 | 96 | 16739 | 9.34 | ppb | | 93 |
| 29) 3-Methylpentane | 3.49 | 57 | 8385 | 8.89 | ppb | | 84 |
| 31) Diisopropyl Ether | 4.28 | 45 | 37037 | 10.73 | ppb | | 94 |
| 32) 1,1-DCA | 4.09 | 63 | 26822 | 9.98 | ppb | | 95 |
| 34) Ethyl tert Butyl Ether | 4.80 | 59 | 45752 | 10.31 | ppb | | 94 |
| 35) Methylcyclopentane | 4.81 | 56 | 2115 | 11.23 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211029\1102M03.D Vial: 3
Acq On : 2 Nov 21 10:01 Operator: LP,DG,CH
Sample : 211102A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 10:28 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | MEK (2-Butanone) | 5.02 | 43 | 26952 | 53.85 | ppb | | 96 |
| 37) | Cis-1,2-DCE | 4.95 | 96 | 20480 | 10.31 | ppb | | 87 |
| 38) | 2,2-Dichloropropane | 4.93 | 77 | 37994 | 11.01 | ppb | | 97 |
| 39) | Chloroform | 5.39 | 83 | 38016 | 10.89 | ppb | | 96 |
| 40) | Bromochloromethane | 5.26 | 130 | 15541 | 10.00 | ppb | | 97 |
| 42) | 1,1,1-TCA | 5.57 | 97 | 43892 | 10.71 | ppb | | 97 |
| 43) | Cyclohexane | 5.62 | 41 | 11264 | 9.61 | ppb | | 81 |
| 44) | 1,1-Dichloropropene | 5.78 | 75 | 22646 | 10.18 | ppb | | 97 |
| 45) | 2,2,4-Trimethylpentane | 6.15 | 57 | 30876 | 10.71 | ppb | | 90 |
| 47) | Carbon Tetrachloride | 5.77 | 117 | 39071 | 10.13 | ppb | | 96 |
| 48) | Tert Amyl Methyl Ether | 6.21 | 73 | 47601 | 10.88 | ppb | | 95 |
| 49) | 1,2-DCA | 6.07 | 62 | 36177 | 10.48 | ppb | | 96 |
| 50) | Benzene | 6.02 | 78 | 61699 | 9.58 | ppb | | 94 |
| 51) | TCE | 6.78 | 95 | 20141 | 9.77 | ppb | | 82 |
| 52) | 2-Pentanone | 7.03 | 43 | 111839 | 133.69 | ppb | | 96 |
| 53) | 1,2-Dichloropropane | 7.02 | 63 | 7094 | 9.92 | ppb | | 94 |
| 54) | Bromodichloromethane | 7.34 | 83 | 29921 | 10.35 | ppb | | 98 |
| 55) | Methyl Cyclohexane | 6.96 | 83 | 22750 | 10.26 | ppb | | 93 |
| 56) | Dibromomethane | 7.15 | 93 | 11902 | 9.47 | ppb | | 97 |
| 57) | MIBK (methyl isobutyl ket | 8.00 | 43 | 58560 | 54.74 | ppb | | 98 |
| 58) | 1-Bromo-2-chloroethane | 7.65 | 144 | 4369 | 10.80 | ppb | # | 68 |
| 60) | Cis-1,3-Dichloropropene | 7.81 | 75 | 28980 | 11.19 | ppb | | 88 |
| 61) | Toluene | 8.14 | 91 | 78069 | 10.49 | ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.40 | 75 | 28126 | 10.95 | ppb | | 97 |
| 63) | 1,1,2-TCA | 8.57 | 83 | 11048 | 9.57 | ppb | | 94 |
| 64) | 2-Hexanone | 8.85 | 43 | 38879 | 53.73 | ppb | | 97 |
| 67) | 1,2-EDB | 9.05 | 107 | 18233 | 9.88 | ppb | | 94 |
| 68) | Tetrachloroethene | 8.69 | 164 | 17200 | 9.34 | ppb | | 90 |
| 69) | 1-Chlorohexane | 9.56 | 91 | 13896 | 10.01 | ppb | | 90 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.64 | 131 | 27511 | 10.58 | ppb | | 93 |
| 71) | m&p-Xylene | 9.79 | 106 | 82653 | 20.91 | ppb | | 93 |
| 72) | o-Xylene | 10.19 | 106 | 41275 | 9.96 | ppb | | 83 |
| 73) | Styrene | 10.20 | 104 | 65804 | 10.54 | ppb | | 96 |
| 75) | 1,3-Dichloropropane | 8.74 | 76 | 23852 | 8.79 | ppb | | 85 |
| 76) | Dibromochloromethane | 8.96 | 129 | 26644 | 9.82 | ppb | | 90 |
| 77) | Chlorobenzene | 9.55 | 112 | 62076 | 10.24 | ppb | | 98 |
| 78) | Ethylbenzene | 9.67 | 91 | 97186 | 10.13 | ppb | | 97 |
| 79) | Bromoform | 10.37 | 173 | 22592 | 10.03 | ppb | | 97 |
| 81) | Isopropylbenzene | 10.55 | 105 | 104715 | 9.99 | ppb | | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.87 | 83 | 16944 | 9.42 | ppb | | 94 |
| 83) | 1,2,3-Trichloropropane | 10.89 | 110 | 9513 | 10.58 | ppb | # | 77 |
| 84) | t-1,4-Dichloro-2-Butene | 10.92 | 53 | 4835 | 10.55 | ppb | | 92 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M03.D Vial: 3
Acq On : 2 Nov 21 10:01 Operator: LP,DG,CH
Sample : 211102A CCV/LCS 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 10:28 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 85) | Bromobenzene | 10.84 | 156 | 35996 | 10.49 | ppb | 91 |
| 86) | n-Propylbenzene | 10.97 | 91 | 107340 | 10.37 | ppb | 98 |
| 87) | 4-Ethyltoluene | 11.08 | 105 | 100651 | 10.53 | ppb | 94 |
| 88) | 2-Chlorotoluene | 11.04 | 91 | 83567 | 10.18 | ppb | 90 |
| 89) | 1,3,5-Trimethylbenzene | 11.14 | 105 | 93996 | 10.51 | ppb | 99 |
| 90) | 4-Chlorotoluene | 11.15 | 91 | 80601 | 9.88 | ppb | 97 |
| 91) | Tert-Butylbenzene | 11.46 | 119 | 54552 | 11.05 | ppb | 96 |
| 92) | 1,2,4-Trimethylbenzene | 11.51 | 105 | 90816 | 10.72 | ppb | 100 |
| 93) | Sec-Butylbenzene | 11.68 | 105 | 99983 | 10.58 | ppb | 95 |
| 94) | p-Isopropyltoluene | 11.83 | 119 | 96104 | 10.52 | ppb | 96 |
| 95) | Benzyl Chloride | 12.01 | 91 | 23188 | 10.72 | ppb | 98 |
| 96) | 1,3-DCB | 11.78 | 146 | 61247 | 10.25 | ppb | 94 |
| 97) | 1,4-DCB | 11.87 | 146 | 61350 | 10.08 | ppb | 94 |
| 98) | n-Butylbenzene | 12.24 | 91 | 56480 | 9.26 | ppb | 97 |
| 99) | 1,2-DCB | 12.23 | 146 | 58057 | 9.93 | ppb | 97 |
| 100) | Hexachloroethane | 12.48 | 117 | 16429 | 10.73 | ppb | 93 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.02 | 75 | 4733 | 9.33 | ppb | 82 |
| 102) | 1,2,4-Trichlorobenzene | 13.83 | 180 | 19056 | 8.46 | ppb | 91 |
| 103) | Hexachlorobutadiene | 14.01 | 225 | 23088 | 9.30 | ppb | 97 |
| 104) | Naphthalene | 14.08 | 128 | 36272 | 8.65 | ppb | 97 |
| 105) | 1,2,3-Trichlorobenzene | 14.32 | 180 | 24114 | 8.39 | ppb | 99 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report

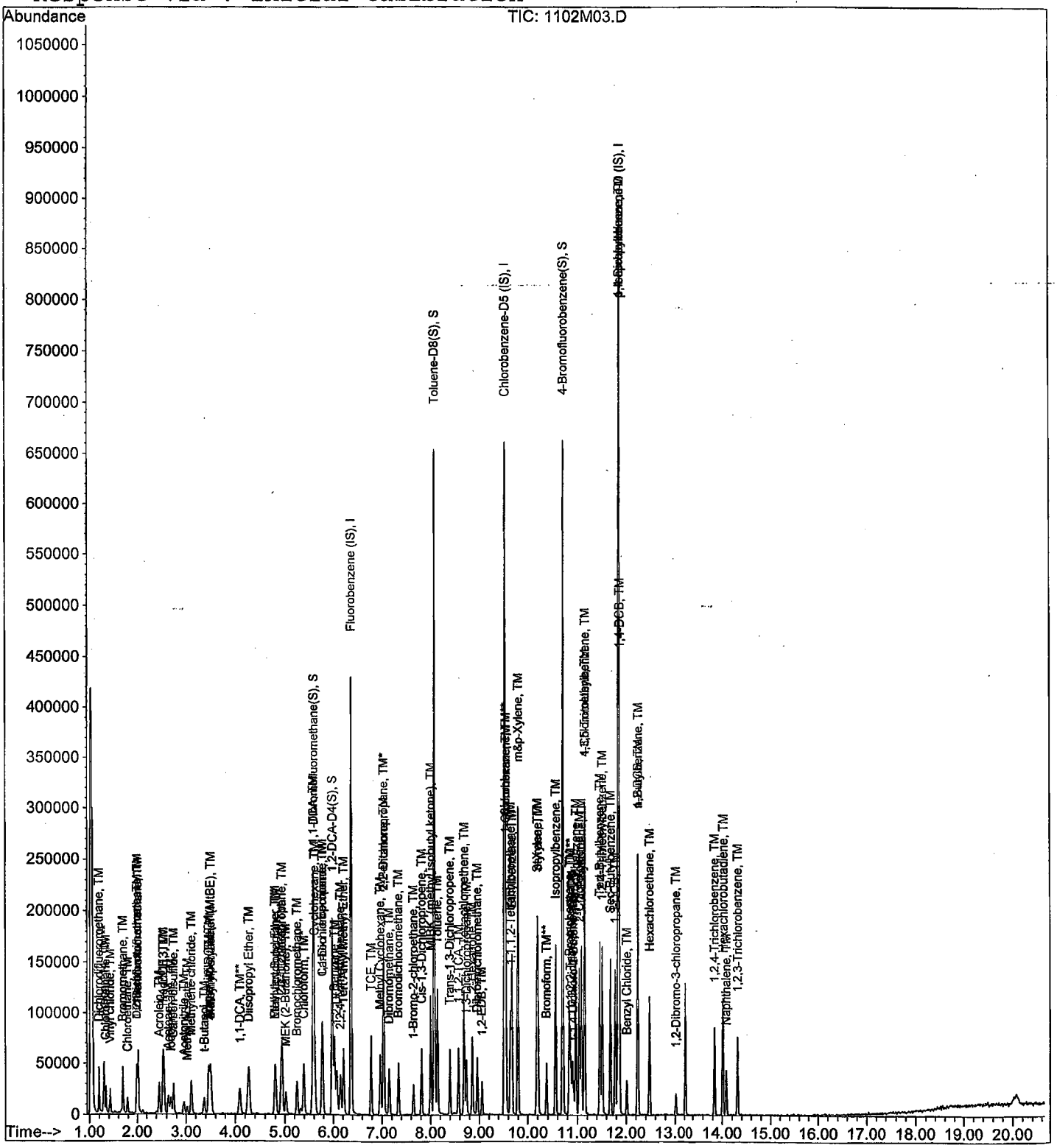
Data File : M:\MAX\DATA\211029\1102M03.D
Acq On : 2 Nov 21 10:01
Sample : 211102A CCV/LCS 10ug/L
Misc : IS&S 8/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 2 10:28 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 19:57
Instrument: Max
Initial Cal. Date: 10/15/2021
Data File: 1102M24.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TM | Chlorotrifluoroethene | 0.0000 | 0.0168 | 0.00 | TM | |
| 3 | TM | Dichlorodifluoromethane | 0.1497 | 0.1422 | 5.0 | TM | |
| 4 | TM | Freon 114 | 0.0839 | 0.0866 | 3.2 | TM | |
| 5 | TM** | Chloromethane | 0.0893 | 0.0730 | 18 | TM** | |
| 6 | TM* | Vinyl chloride | 0.1101 | 0.0921 | 16 | TM* | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0021 | 0.00 | TM | |
| 8 | TM | Bromomethane | 0.0931 | 0.1038 | 11 | TM | |
| 9 | TML | Chloroethane | 0.0844 | 0.0666 | 21 | TML | 6.0 |
| 10 | TM | Dichlorofluoromethane | 0.2416 | 0.2290 | 5.2 | TM | |
| 11 | TM | Trichlorofluoromethane | 0.2889 | 0.2994 | 3.6 | TM | |
| 12 | TMQ | Acrolein | 0.0145 | 0.0122 | 15 | TMQ | 13 |
| 13 | TM | Acetone | 0.0326 | 0.0330 | 1.1 | TM | |
| 14 | TM | Freon-113 | 0.1176 | 0.1137 | 3.3 | TM | |
| 15 | TM | Acetonitrile | 0.0077 | 0.0074 | 4.1 | TM | |
| 16 | TML | 2-propanol | 0.0000 | 0.0008 | 0.00 | TML | |
| 17 | TM | 1,2-Dichlorotrifluoroethane | 0.2416 | 0.2290 | 5.2 | TM | |
| 18 | TM* | 1,1-DCE | 0.1751 | 0.1600 | 8.6 | TM* | |
| 19 | TMQ | t-Butanol | 0.0101 | 0.0114 | 13 | TMQ | 14 |
| 20 | TMQ | Methyl Acetate | 0.0528 | 0.0522 | 1.2 | TMQ | 4.9 |
| 21 | TML | Iodomethane | 0.1096 | 0.0973 | 11 | TML | 18 |
| 22 | TML | Acrylonitrile | 0.0252 | 0.0299 | 19 | TML | 3.0 |
| 23 | TM | 2-Methylpentane | 0.0000 | 0.0001 | 0.00 | TM | |
| 24 | TM | Methylene chloride | 0.1130 | 0.1074 | 5.0 | TM | |
| 25 | TM | Carbon disulfide | 0.1424 | 0.1317 | 7.5 | TM | |
| 26 | TM | Methyl t-butyl ether (MtBE) | 0.3769 | 0.3895 | 3.3 | TM | |
| 27 | TM | Trans-1,2-DCE | 0.1221 | 0.1152 | 5.6 | TM | |
| 28 | TML | 3-Methylpentane | 0.0702 | 0.0705 | 0.42 | TML | 11 |
| 29 | TM | Hexane | 0.0000 | 0.0006 | 0.00 | TM | |
| 30 | TM | Diisopropyl Ether | 0.2351 | 0.2362 | 0.49 | TM | |
| 31 | TM** | 1,1-DCA | 0.1831 | 0.1838 | 0.38 | TM** | |
| 32 | TM | Ethyl tert Butyl Ether | 0.3021 | 0.3114 | 3.1 | TM | |
| 33 | TML | Methylcyclopentane | 0.0160 | 0.0135 | 15 | TML | 4.6 |
| 34 | TM | MEK (2-Butanone) | 0.0341 | 0.0349 | 2.5 | TM | |
| 35 | TM | Cis-1,2-DCE | 0.1352 | 0.1276 | 5.6 | TM | |
| 36 | TM | 2,2-Dichloropropane | 0.2349 | 0.1870 | 20 | TM | |
| 37 | TM* | Chloroform | 0.2377 | 0.2655 | 12 | TM* | |
| 38 | TML | Bromochloromethane | 0.1040 | 0.1067 | 2.6 | TML | 0.86 |
| 39 | S | Dibromofluoromethane(S) | 0.3105 | 0.3306 | 6.5 | S | |
| 40 | TM | 1,1,1-TCA | 0.2791 | 0.2932 | 5.1 | TM | |
| | | Average | | | 6.7 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 2 Nov 21 19:57
Matrix: Water Instrument: Max
Cal. Date: 10/15/2021
Data File: 1102M24.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | TM | Cyclohexane | 0.0798 | 0.0708 | 11 | TM | |
| 42 | TM | 1,1-Dichloropropene | 0.1514 | 0.1434 | 5.3 | TM | |
| 43 | TM | 2,2,4-Trimethylpentane | 0.1964 | 0.1775 | 9.6 | TM | |
| 44 | S | 1,2-DCA-D4(S) | 0.2166 | 0.2350 | 8.5 | S | |
| 45 | TM | Carbon Tetrachloride | 0.2625 | 0.2509 | 4.4 | TM | |
| 46 | TM | Tert Amyl Methyl Ether | 0.2978 | 0.3056 | 2.6 | TM | |
| 47 | TM | 1,2-DCA | 0.2350 | 0.2478 | 5.5 | TM | |
| 48 | TM | Benzene | 0.4384 | 0.4147 | 5.4 | TM | |
| 49 | TM | TCE | 0.1404 | 0.1313 | 6.4 | TM | |
| 50 | TM | 2-Pentanone | 0.0570 | 0.0586 | 2.9 | TM | |
| 51 | TM*L | 1,2-Dichloropropane | 0.0476 | 0.0456 | 4.3 | TM*L | 6.6 |
| 52 | TM | Bromodichloromethane | 0.1968 | 0.2070 | 5.2 | TM | |
| 53 | TML | Methyl Cyclohexane | 0.1542 | 0.1328 | 14 | TML | 12 |
| 54 | TM | Dibromomethane | 0.0856 | 0.0763 | 11 | TM | |
| 55 | TM | MIBK (methyl isobutyl ketone) | 0.0729 | 0.0750 | 3.0 | TM | |
| 56 | TML | 1-Bromo-2-chloroethane | 0.0245 | 0.0249 | 1.7 | TML | 9.4 |
| 57 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0000 | 0.00 | TM | |
| 58 | TM | Cis-1,3-Dichloropropene | 0.1763 | 0.1684 | 4.5 | TM | |
| 59 | TM* | Toluene | 0.5070 | 0.5067 | 0.06 | TM* | |
| 60 | TM | Trans-1,3-Dichloropropene | 0.1749 | 0.1729 | 1.1 | TM | |
| 61 | TM | 1,1,2-TCA | 0.0786 | 0.0733 | 6.8 | TM | |
| 62 | TM | 2-Hexanone | 0.0493 | 0.0496 | 0.57 | TM | |
| 63 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 64 | S | Toluene-D8(S) | 1.149 | 1.183 | 3.0 | S | |
| 65 | TM | 1,2-EDB | 0.1319 | 0.1279 | 3.0 | TM | |
| 66 | TML | Tetrachloroethene | 0.2207 | 0.1255 | 43 | TML | 4.4 |
| 67 | TM | 1-Chlorohexane | 0.0992 | 0.0864 | 13 | TM | |
| 68 | TM | 1,1,1,2-Tetrachloroethane | 0.1860 | 0.1953 | 5.0 | TM | |
| 69 | TM | m&p-Xylene | 0.2826 | 0.2856 | 1.1 | TM | |
| 70 | TM | o-Xylene | 0.2964 | 0.2848 | 3.9 | TM | |
| 71 | TM | Styrene | 0.4463 | 0.4615 | 3.4 | TM | |
| 72 | S | 4-Bromofluorobenzene(S) | 0.4641 | 0.4739 | 2.1 | S | |
| 73 | TM | 1,3-Dichloropropane | 0.1940 | 0.1800 | 7.2 | TM | |
| 74 | TM | Dibromochloromethane | 0.1941 | 0.1900 | 2.1 | TM | |
| 75 | TM** | Chlorobenzene | 0.4334 | 0.4373 | 0.92 | TM** | |
| 76 | TM* | Ethylbenzene | 0.6860 | 0.6659 | 2.9 | TM* | |
| 77 | TM** | Bromoform | 0.1611 | 0.1650 | 2.4 | TM** | |
| 78 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
| 79 | TM | Isopropylbenzene | 1.166 | 1.055 | 9.5 | TM | |
| 80 | TM** | 1,1,2,2-Tetrachloroethane | 0.2001 | 0.1770 | 12 | TM** | |
| | | Average | | | 6.0 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 19:57
Instrument: Max
Cal. Date: 10/15/2021
Data File: 1102M24.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 81 | TM | 1,2,3-Trichloropropane | 0.1000 | 0.0990 | 1.0 | TM | |
| 82 | TML | t-1,4-Dichloro-2-Butene | 0.0601 | 0.0397 | 34 | TML | 21 |
| 83 | TM | Bromobenzene | 0.3816 | 0.3744 | 1.9 | TM | |
| 84 | TM | n-Propylbenzene | 1.151 | 1.088 | 5.5 | TM | |
| 85 | TM | 4-Ethyltoluene | 1.063 | 1.063 | 0.04 | TM | |
| 86 | TM | 2-Chlorotoluene | 0.9129 | 0.8463 | 7.3 | TM | |
| 87 | TM | 1,3,5-Trimethylbenzene | 0.9948 | 0.9580 | 3.7 | TM | |
| 88 | TM | 4-Chlorotoluene | 0.9068 | 0.8612 | 5.0 | TM | |
| 89 | TM | Tert-Butylbenzene | 0.5492 | 0.5785 | 5.3 | TM | |
| 90 | TM | 1,2,4-Trimethylbenzene | 0.9425 | 0.9439 | 0.15 | TM | |
| 91 | TM | Sec-Butylbenzene | 1.051 | 1.062 | 1.0 | TM | |
| 92 | TM | p-Isopropyltoluene | 1.016 | 1.035 | 1.9 | TM | |
| 93 | TM | Benzyl Chloride | 0.2406 | 0.1865 | 22 | TM | |
| 94 | TM | 1,3-DCB | 0.6644 | 0.6461 | 2.8 | TM | |
| 95 | TM | 1,4-DCB | 0.6767 | 0.6117 | 9.6 | TM | |
| 96 | TML | n-Butylbenzene | 0.5721 | 0.5731 | 0.16 | TML | 14 |
| 97 | TM | 1,2-DCB | 0.6504 | 0.6353 | 2.3 | TM | |
| 98 | TM | Hexachloroethane | 0.1703 | 0.1728 | 1.5 | TM | |
| 99 | TML | 1,2-Dibromo-3-chloropropane | 0.0437 | 0.0541 | 24 | TML | 4.4 |
| 100 | TML | 1,2,4-Trichlorobenzene | 0.1936 | 0.2046 | 5.7 | TML | 18 |
| 101 | TML | Hexachlorobutadiene | 0.2401 | 0.2498 | 4.0 | TML | 9.2 |
| 102 | TMQ | Naphthalene | 0.4088 | 0.4059 | 0.70 | TMQ | 13 |
| 103 | TML | 1,2,3-Trichlorobenzene | 0.2371 | 0.2521 | 6.3 | TML | 20 |
| 104 | | | | | | | |
| 105 | | | | | | | |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |
| | | Average | | | 6.3 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M24.D Vial: 24
Acq On : 2 Nov 21 19:57 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/02/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 4:49 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 358819 | 25.00 | ppb | | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 318291 | 25.00 | ppb | | 0.02 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 217546 | 25.00 | ppb | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 118617 | 26.62 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 106.468% | | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 84328 | 27.13 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 108.524% | | | | |
| 66) Toluene-D8(S) | 8.07 | 98 | 376575 | 25.74 | ppb | | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 102.964% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 150854 | 25.53 | ppb | | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 102.128% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 20408 | 9.50 | ppb | | 95 |
| 4) Freon 114 | 1.30 | 85 | 12426 | 10.32 | ppb | | 80 |
| 5) Chloromethane | 1.34 | 50 | 10473 | 8.17 | ppb | | 96 |
| 6) Vinyl chloride | 1.43 | 62 | 13215 | 8.36 | ppb | | 85 |
| 8) Bromomethane | 1.69 | 94 | 14891 | 11.15 | ppb | | 91 |
| 9) Chloroethane | 1.79 | 64 | 9552 | 9.40 | ppb | | 97 |
| 10) Dichlorofluoromethane | 1.98 | 67 | 32866 | 9.48 | ppb | | 100 |
| 11) Trichlorofluoromethane | 2.02 | 101 | 42974 | 10.36 | ppb | | 98 |
| 13) Acrolein | 2.45 | 56 | 21916 | 109.25 | ppb | | 98 |
| 14) Acetone | 2.63 | 43 | 23652 | 50.56 | ppb | | 93 |
| 15) Freon-113 | 2.55 | 151 | 16321 | 9.67 | ppb | | 94 |
| 16) Acetonitrile | 2.95 | 41 | 13330 | 119.90 | ppb | # | 91 |
| 18) 1,2-Dichlorotrifluoroethan | 1.98 | 67 | 32866 | 9.48 | ppb | | 100 |
| 19) 1,1-DCE | 2.53 | 61 | 22958 | 9.14 | ppb | | 96 |
| 20) t-Butanol | 3.37 | 59 | 20534 | 143.07 | ppb | | 95 |
| 21) Methyl Acetate | 3.01 | 43 | 7485 | 9.51 | ppb | | 98 |
| 22) Iodomethane | 2.68 | 142 | 13972 | 8.24 | ppb | | 97 |
| 23) Acrylonitrile | 3.46 | 53 | 4294 | 9.70 | ppb | | 85 |
| 25) Methylene chloride | 3.11 | 84 | 15414 | 9.50 | ppb | | 92 |
| 26) Carbon disulfide | 2.73 | 76 | 18904 | 9.25 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.49 | 73 | 55898 | 10.33 | ppb | | 93 |
| 28) Trans-1,2-DCE | 3.46 | 96 | 16537 | 9.44 | ppb | | 97 |
| 29) 3-Methylpentane | 3.50 | 57 | 10113 | 11.11 | ppb | # | 82 |
| 31) Diisopropyl Ether | 4.27 | 45 | 33907 | 10.05 | ppb | | 98 |
| 32) 1,1-DCA | 4.09 | 63 | 26377 | 10.04 | ppb | # | 93 |
| 34) Ethyl tert Butyl Ether | 4.80 | 59 | 44693 | 10.31 | ppb | | 95 |
| 35) Methylcyclopentane | 4.79 | 56 | 1942 | 10.46 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\211029\1102M24.D Vial: 24
Acq On : 2 Nov 21 19:57 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/02/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 4:49 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | MEK (2-Butanone) | 5.02 | 43 | 25076 | 51.27 | ppb | | 95 |
| 37) | Cis-1,2-DCE | 4.94 | 96 | 18319 | 9.44 | ppb | | 87 |
| 38) | 2,2-Dichloropropane | 4.92 | 77 | 26834 | 7.96 | ppb | | 99 |
| 39) | Chloroform | 5.39 | 83 | 38104 | 11.17 | ppb | | 93 |
| 40) | Bromochloromethane | 5.25 | 130 | 15315 | 10.09 | ppb | | 92 |
| 42) | 1,1,1-TCA | 5.57 | 97 | 42085 | 10.51 | ppb | | 91 |
| 43) | Cyclohexane | 5.61 | 41 | 10165 | 8.87 | ppb | | 93 |
| 44) | 1,1-Dichloropropene | 5.78 | 75 | 20575 | 9.47 | ppb | | 92 |
| 45) | 2,2,4-Trimethylpentane | 6.14 | 57 | 25482 | 9.04 | ppb | | 85 |
| 47) | Carbon Tetrachloride | 5.77 | 117 | 36010 | 9.56 | ppb | | 94 |
| 48) | Tert Amyl Methyl Ether | 6.21 | 73 | 43865 | 10.26 | ppb | # | 92 |
| 49) | 1,2-DCA | 6.06 | 62 | 35573 | 10.55 | ppb | | 99 |
| 50) | Benzene | 6.02 | 78 | 59525 | 9.46 | ppb | | 93 |
| 51) | TCE | 6.78 | 95 | 18852 | 9.36 | ppb | | 76 |
| 52) | 2-Pentanone | 7.03 | 43 | 105161 | 128.62 | ppb | | 97 |
| 53) | 1,2-Dichloropropane | 7.02 | 63 | 6540 | 9.34 | ppb | | 98 |
| 54) | Bromodichloromethane | 7.34 | 83 | 29710 | 10.52 | ppb | | 98 |
| 55) | Methyl Cyclohexane | 6.96 | 83 | 19058 | 8.82 | ppb | | 84 |
| 56) | Dibromomethane | 7.15 | 93 | 10944 | 8.91 | ppb | | 78 |
| 57) | MIBK (methyl isobutyl ket | 8.00 | 43 | 53858 | 51.51 | ppb | | 95 |
| 58) | 1-Bromo-2-chloroethane | 7.64 | 144 | 3578 | 9.06 | ppb | # | 61 |
| 60) | Cis-1,3-Dichloropropene | 7.81 | 75 | 24175 | 9.55 | ppb | | 96 |
| 61) | Toluene | 8.14 | 91 | 72726 | 9.99 | ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.39 | 75 | 24823 | 9.89 | ppb | | 98 |
| 63) | 1,1,2-TCA | 8.57 | 83 | 10517 | 9.32 | ppb | | 96 |
| 64) | 2-Hexanone | 8.85 | 43 | 35559 | 50.28 | ppb | # | 94 |
| 67) | 1,2-EDB | 9.05 | 107 | 16290 | 9.70 | ppb | | 94 |
| 68) | Tetrachloroethene | 8.69 | 164 | 15976 | 9.56 | ppb | | 83 |
| 69) | 1-Chlorohexane | 9.55 | 91 | 10997 | 8.70 | ppb | | 97 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.64 | 131 | 24864 | 10.50 | ppb | | 100 |
| 71) | m&p-Xylene | 9.79 | 106 | 72727 | 20.21 | ppb | | 98 |
| 72) | o-Xylene | 10.18 | 106 | 36263 | 9.61 | ppb | | 91 |
| 73) | Styrene | 10.20 | 104 | 58751 | 10.34 | ppb | | 98 |
| 75) | 1,3-Dichloropropane | 8.73 | 76 | 22913 | 9.28 | ppb | # | 82 |
| 76) | Dibromochloromethane | 8.95 | 129 | 24184 | 9.79 | ppb | | 99 |
| 77) | Chlorobenzene | 9.55 | 112 | 55681 | 10.09 | ppb | | 97 |
| 78) | Ethylbenzene | 9.67 | 91 | 84775 | 9.71 | ppb | | 99 |
| 79) | Bromoform | 10.37 | 173 | 21001 | 10.24 | ppb | | 95 |
| 81) | Isopropylbenzene | 10.55 | 105 | 91802 | 9.05 | ppb | | 92 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.86 | 83 | 15399 | 8.84 | ppb | | 90 |
| 83) | 1,2,3-Trichloropropane | 10.90 | 110 | 8614 | 9.90 | ppb | # | 81 |
| 84) | t-1,4-Dichloro-2-Butene | 10.92 | 53 | 3458 | 7.86 | ppb | | 81 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M24.D Vial: 24
Acq On : 2 Nov 21 19:57 Operator: LP,DG,CH
Sample : Ending CCV 10ug/L 11/02/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 4:49 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 85) | Bromobenzene | 10.83 | 156 | 32582 | 9.81 | ppb | 82 |
| 86) | n-Propylbenzene | 10.96 | 91 | 94648 | 9.45 | ppb | 98 |
| 87) | 4-Ethyltoluene | 11.08 | 105 | 92486 | 10.00 | ppb | 91 |
| 88) | 2-Chlorotoluene | 11.04 | 91 | 73642 | 9.27 | ppb | 91 |
| 89) | 1,3,5-Trimethylbenzene | 11.14 | 105 | 83364 | 9.63 | ppb | 97 |
| 90) | 4-Chlorotoluene | 11.14 | 91 | 74937 | 9.50 | ppb | 94 |
| 91) | Tert-Butylbenzene | 11.46 | 119 | 50344 | 10.53 | ppb | 95 |
| 92) | 1,2,4-Trimethylbenzene | 11.51 | 105 | 82136 | 10.02 | ppb | 99 |
| 93) | Sec-Butylbenzene | 11.68 | 105 | 92386 | 10.10 | ppb | 99 |
| 94) | p-Isopropyltoluene | 11.83 | 119 | 90063 | 10.19 | ppb | 97 |
| 95) | Benzyl Chloride | 12.01 | 91 | 16232 | 7.75 | ppb | 96 |
| 96) | 1,3-DCB | 11.77 | 146 | 56226 | 9.72 | ppb | 96 |
| 97) | 1,4-DCB | 11.86 | 146 | 53226 | 9.04 | ppb | 98 |
| 98) | n-Butylbenzene | 12.24 | 91 | 49867 | 8.57 | ppb | 97 |
| 99) | 1,2-DCB | 12.23 | 146 | 55280 | 9.77 | ppb | 98 |
| 100) | Hexachloroethane | 12.48 | 117 | 15036 | 10.15 | ppb | 92 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.01 | 75 | 4705 | 9.56 | ppb | 89 |
| 102) | 1,2,4-Trichlorobenzene | 13.83 | 180 | 17808 | 8.25 | ppb | 93 |
| 103) | Hexachlorobutadiene | 14.01 | 225 | 21736 | 9.08 | ppb | 95 |
| 104) | Naphthalene | 14.07 | 128 | 35325 | 8.70 | ppb | 100 |
| 105) | 1,2,3-Trichlorobenzene | 14.32 | 180 | 21936 | 8.05 | ppb | 99 |

(#) = qualifier out of range (m) = manual integration

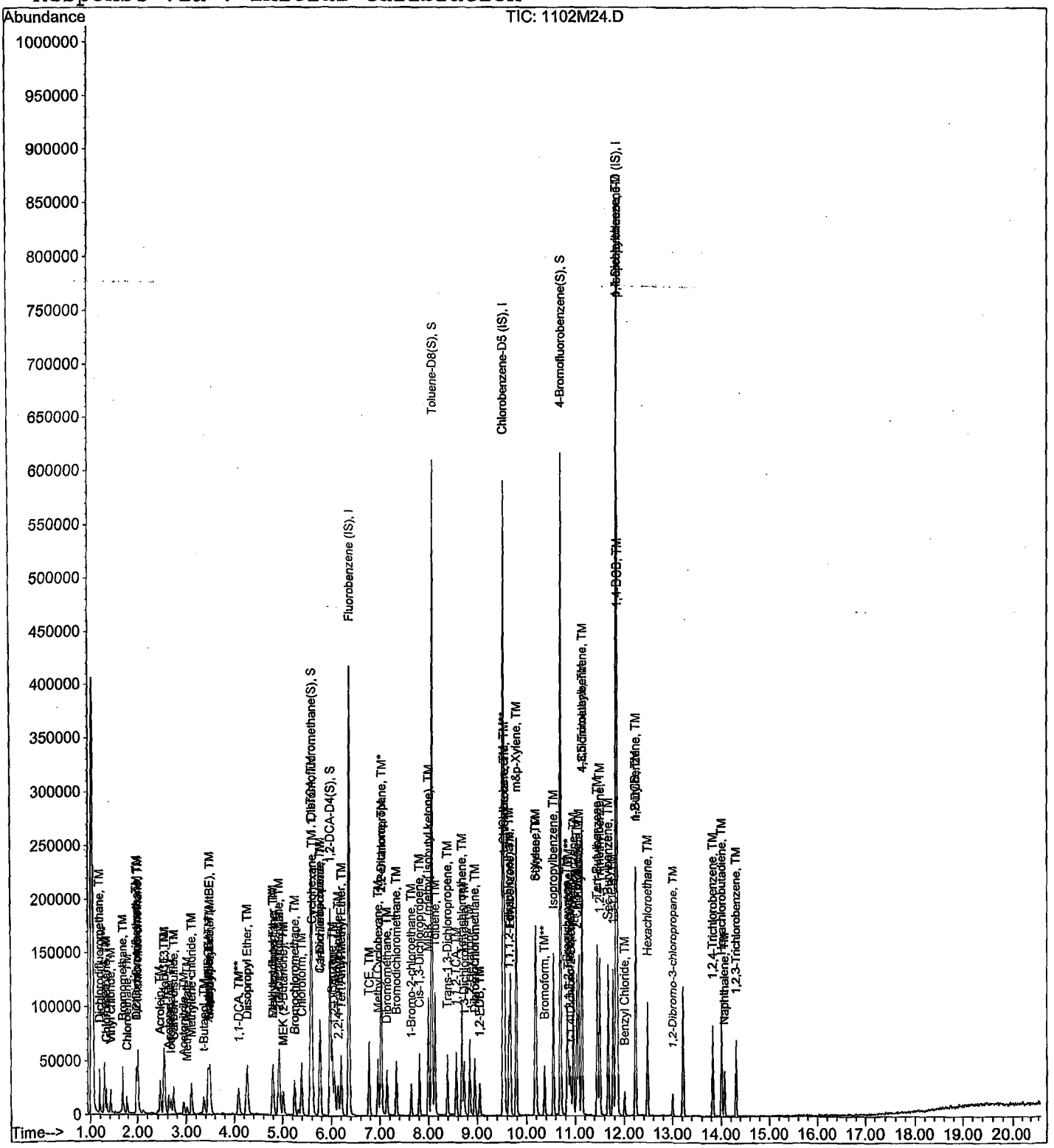
# Quantitation Report

Data File : M:\MAX\DATA\211029\1102M24.D
Acq On : 2 Nov 21 19:57
Sample : Ending CCV 10ug/L 11/02/21
Misc : IS&S 8/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 3 4:49 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



# ORGANICS
## Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M14.D Vial: 14
Acq On : 2 Nov 21 15:13 Operator: LP,DG,CH
Sample : BA44375W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 10:06 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 363584 | 25.00 | ppb | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 326571 | 25.00 | ppb | 0.03 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 197362 | 25.00 | ppb | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 119306 | 26.42 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 105.684% | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 81176 | 25.77 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 103.096% | | | |
| 66) Toluene-D8(S) | 8.07 | 98 | 375544 | 25.02 | ppb | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 100.080% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 145025 | 23.92 | ppb | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 95.692% | | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

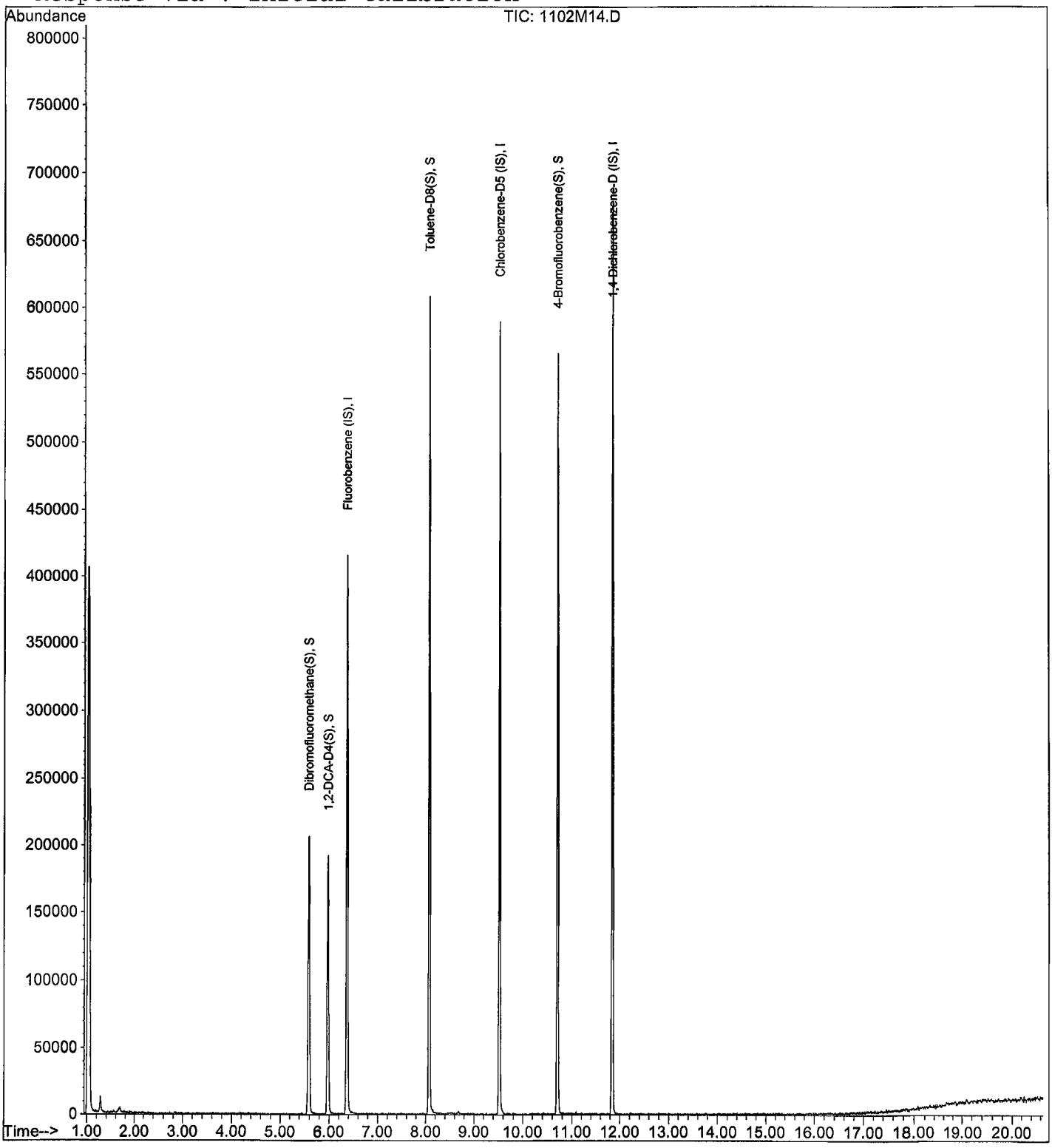
Data File : M:\MAX\DATA\211029\1102M14.D
Acq On : 2 Nov 21 15:13
Sample : BA44375W01
Misc : IS&S 8/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 3 10:06 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M15.D Vial: 15
Acq On : 2 Nov 21 15:42 Operator: LP,DG,CH
Sample : BA44376W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 10:06 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 359006 | 25.00 | ppb | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 313026 | 25.00 | ppb | 0.03 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 195874 | 25.00 | ppb | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 115110 | 25.82 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 103.268% | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 77072 | 24.78 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 99.132% | | | |
| 66) Toluene-D8(S) | 8.07 | 98 | 367854 | 25.57 | ppb | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 102.272% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 139322 | 23.98 | ppb | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 95.904% | | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

# Quantitation Report

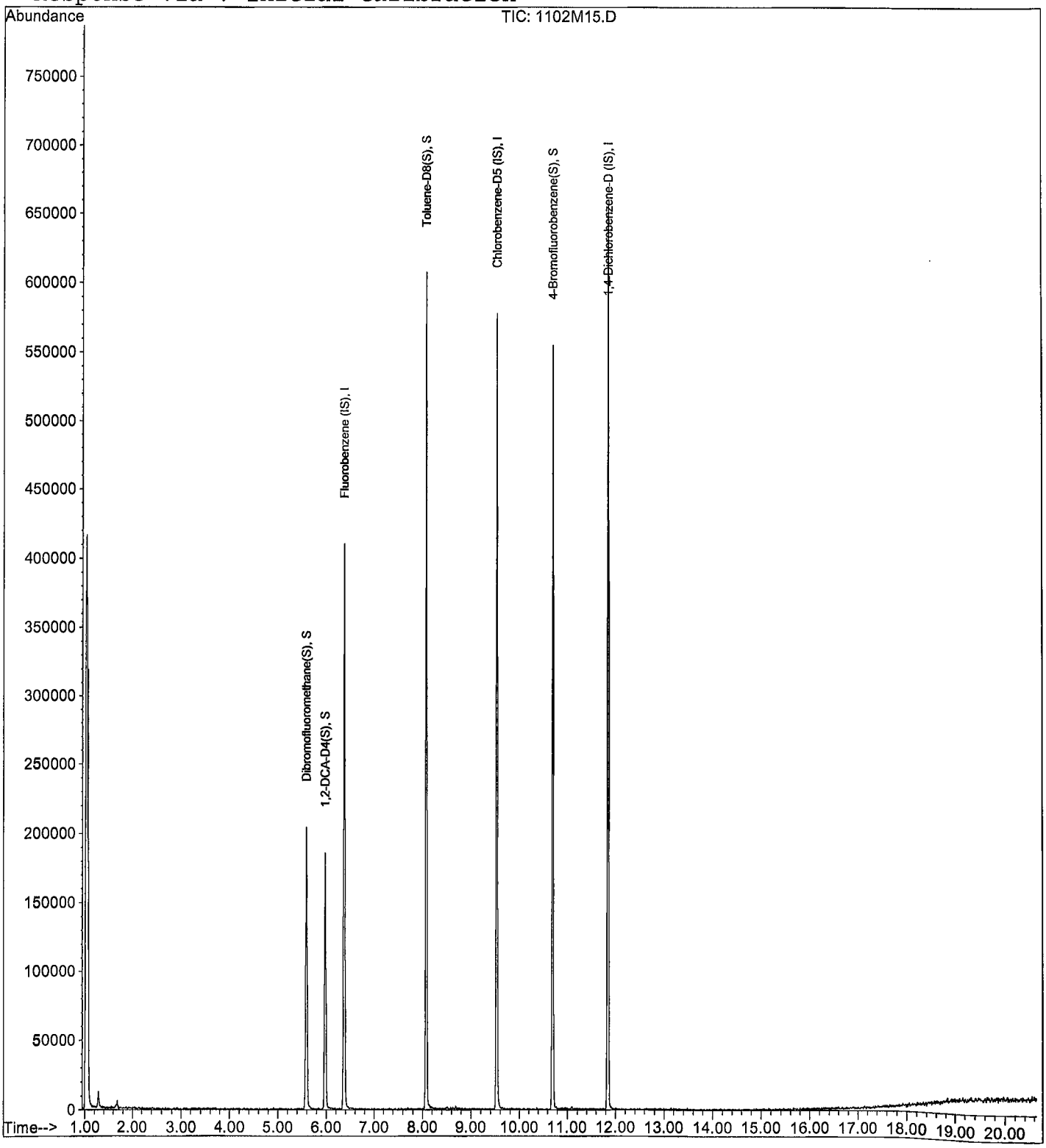
Data File : M:\MAX\DATA\211029\1102M15.D
Acq On : 2 Nov 21 15:42
Sample : BA44376W01
Misc : IS&S 8/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 3 10:06 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M05.D Vial: 5
Acq On : 2 Nov 21 10:58 Operator: LP,DG,CH
Sample : 211102A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 12:37 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 376947 | 25.00 | ppb | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 346456 | 25.00 | ppb | 0.03 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 204046 | 25.00 | ppb | 0.02 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 115202 | 24.61 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 98.432% | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 81768 | 25.04 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 100.168% | | | |
| 66) Toluene-D8(S) | 8.08 | 98 | 399085 | 25.06 | ppb | 0.03 |
| Spiked Amount 25.000 | | | Recovery = 100.248% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 154696 | 24.05 | ppb | 0.02 |
| Spiked Amount 25.000 | | | Recovery = 96.212% | | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

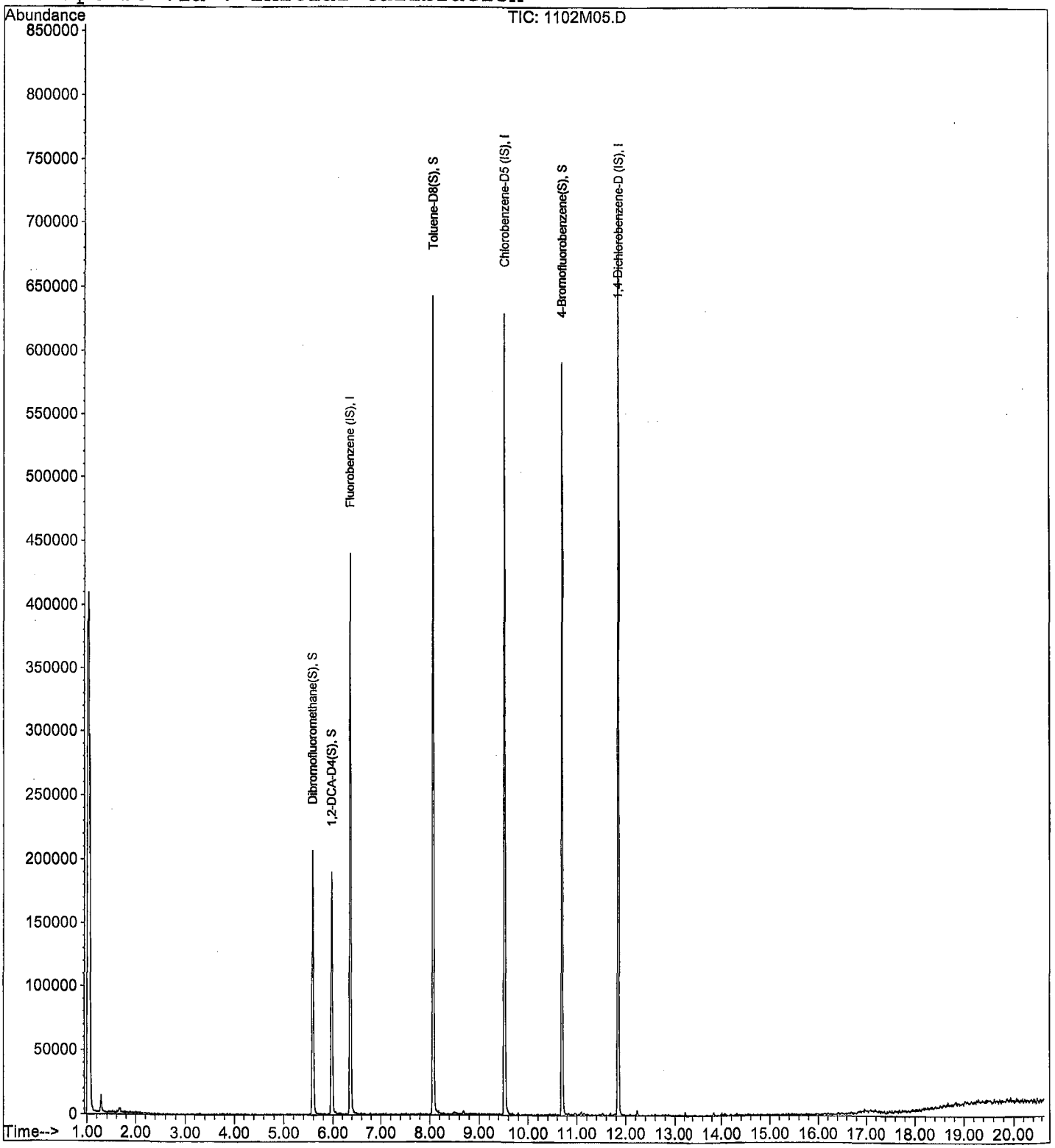
Data File : M:\MAX\DATA\211029\1102M05.D
Acq On : 2 Nov 21 10:58
Sample : 211102A BLK
Misc : IS&S 8/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 2 12:37 2021

Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M04.D Vial: 4
Acq On : 2 Nov 21 10:29 Operator: LP,DG,CH
Sample : 211102A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 11:19 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 374163 | 25.00 | ppb | | 0.03 |
| 65) Chlorobenzene-D5 (IS) | 9.52 | 117 | 332242 | 25.00 | ppb | | 0.03 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 223761 | 25.00 | ppb | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.59 | 111 | 119397 | 25.69 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 102.776% | | | |
| 46) 1,2-DCA-D4(S) | 5.98 | 65 | 86288 | 26.62 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 106.492% | | | |
| 66) Toluene-D8(S) | 8.08 | 98 | 385074 | 25.22 | ppb | | 0.03 |
| Spiked Amount 25.000 | | | Recovery = | 100.868% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.70 | 95 | 154834 | 25.10 | ppb | | 0.02 |
| Spiked Amount 25.000 | | | Recovery = | 100.420% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.19 | 85 | 20392 | 9.10 | ppb | | 100 |
| 4) Freon 114 | 1.30 | 85 | 13265 | 10.57 | ppb | | 79 |
| 5) Chloromethane | 1.34 | 50 | 10852 | 8.12 | ppb | | 97 |
| 6) Vinyl chloride | 1.43 | 62 | 13865 | 8.41 | ppb | | 95 |
| 8) Bromomethane | 1.69 | 94 | 13986 | 10.04 | ppb | | 98 |
| 9) Chloroethane | 1.79 | 64 | 9731 | 9.21 | ppb | | 100 |
| 10) Dichlorofluoromethane | 1.99 | 67 | 32872 | 9.09 | ppb | | 99 |
| 11) Trichlorofluoromethane | 2.02 | 101 | 41894 | 9.69 | ppb | | 93 |
| 13) Acrolein | 2.45 | 56 | 25796 | 122.96 | ppb | | 86 |
| 14) Acetone | 2.63 | 43 | 23077 | 47.30 | ppb | | 96 |
| 15) Freon-113 | 2.55 | 151 | 15317 | 8.70 | ppb | # | 78 |
| 16) Acetonitrile | 2.95 | 41 | 13228 | 114.10 | ppb | | 90 |
| 18) 1,2-Dichlorotrifluoroethan | 1.99 | 67 | 32872 | 9.09 | ppb | | 100 |
| 19) 1,1-DCE | 2.53 | 61 | 23422 | 8.94 | ppb | | 98 |
| 20) t-Butanol | 3.36 | 59 | 20039 | 132.78 | ppb | | 98 |
| 21) Methyl Acetate | 3.02 | 43 | 8214 | 10.01 | ppb | | 95 |
| 22) Iodomethane | 2.68 | 142 | 15904 | 8.89 | ppb | | 92 |
| 23) Acrylonitrile | 3.47 | 53 | 4417 | 9.56 | ppb | | 94 |
| 25) Methylene chloride | 3.11 | 84 | 16200 | 9.58 | ppb | | 96 |
| 26) Carbon disulfide | 2.73 | 76 | 19480 | 9.14 | ppb | | 100 |
| 27) Methyl t-butyl ether (MtBE | 3.50 | 73 | 56451 | 10.01 | ppb | | 92 |
| 28) Trans-1,2-DCE | 3.46 | 96 | 15743 | 8.62 | ppb | | 95 |
| 29) 3-Methylpentane | 3.50 | 57 | 9434 | 9.88 | ppb | # | 97 |
| 31) Diisopropyl Ether | 4.27 | 45 | 34122 | 9.70 | ppb | | 93 |
| 32) 1,1-DCA | 4.10 | 63 | 26882 | 9.81 | ppb | # | 97 |
| 34) Ethyl tert Butyl Ether | 4.80 | 59 | 44130 | 9.76 | ppb | | 98 |
| 35) Methylcyclopentane | 4.80 | 56 | 1689 | 8.49 | ppb | | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M04.D Vial: 4
Acq On : 2 Nov 21 10:29 Operator: LP,DG,CH
Sample : 211102A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 11:19 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 36) | MEK (2-Butanone) | 5.02 | 43 | 26517 | 51.99 | ppb | # | 91 |
| 37) | Cis-1,2-DCE | 4.95 | 96 | 18933 | 9.36 | ppb | | 98 |
| 38) | 2,2-Dichloropropane | 4.93 | 77 | 37169 | 10.57 | ppb | | 99 |
| 39) | Chloroform | 5.39 | 83 | 37791 | 10.62 | ppb | | 94 |
| 40) | Bromochloromethane | 5.25 | 130 | 15110 | 9.52 | ppb | | 88 |
| 42) | 1,1,1-TCA | 5.57 | 97 | 42360 | 10.14 | ppb | | 95 |
| 43) | Cyclohexane | 5.62 | 41 | 10420 | 8.72 | ppb | | 75 |
| 44) | 1,1-Dichloropropene | 5.79 | 75 | 21310 | 9.40 | ppb | | 94 |
| 45) | 2,2,4-Trimethylpentane | 6.15 | 57 | 28989 | 9.86 | ppb | # | 82 |
| 47) | Carbon Tetrachloride | 5.77 | 117 | 36802 | 9.37 | ppb | | 98 |
| 48) | Tert Amyl Methyl Ether | 6.21 | 73 | 46878 | 10.52 | ppb | | 99 |
| 49) | 1,2-DCA | 6.07 | 62 | 36174 | 10.28 | ppb | # | 94 |
| 50) | Benzene | 6.03 | 78 | 57164 | 8.71 | ppb | | 97 |
| 51) | TCE | 6.78 | 95 | 18902 | 9.00 | ppb | | 83 |
| 52) | 2-Pentanone | 7.03 | 43 | 107777 | 126.42 | ppb | | 99 |
| 53) | 1,2-Dichloropropane | 7.02 | 63 | 6565 | 8.98 | ppb | | 94 |
| 54) | Bromodichloromethane | 7.34 | 83 | 29174 | 9.91 | ppb | | 95 |
| 55) | Methyl Cyclohexane | 6.97 | 83 | 20114 | 8.92 | ppb | | 94 |
| 56) | Dibromomethane | 7.15 | 93 | 11498 | 8.97 | ppb | | 93 |
| 57) | MIBK (methyl isobutyl ket | 8.00 | 43 | 53096 | 48.70 | ppb | | 98 |
| 58) | 1-Bromo-2-chloroethane | 7.66 | 144 | 4035 | 9.79 | ppb | | 98 |
| 60) | Cis-1,3-Dichloropropene | 7.81 | 75 | 25559 | 9.68 | ppb | | 97 |
| 61) | Toluene | 8.14 | 91 | 70819 | 9.33 | ppb | | 98 |
| 62) | Trans-1,3-Dichloropropene | 8.39 | 75 | 27342 | 10.45 | ppb | | 97 |
| 63) | 1,1,2-TCA | 8.57 | 83 | 11302 | 9.61 | ppb | | 94 |
| 64) | 2-Hexanone | 8.85 | 43 | 35780 | 48.52 | ppb | # | 89 |
| 67) | 1,2-EDB | 9.05 | 107 | 16848 | 9.61 | ppb | | 93 |
| 68) | Tetrachloroethene | 8.69 | 164 | 15881 | 9.04 | ppb | | 85 |
| 69) | 1-Chlorohexane | 9.55 | 91 | 12065 | 9.15 | ppb | | 95 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.64 | 131 | 25083 | 10.15 | ppb | | 100 |
| 71) | m&p-Xylene | 9.79 | 106 | 73200 | 19.49 | ppb | | 98 |
| 72) | o-Xylene | 10.18 | 106 | 36328 | 9.22 | ppb | | 90 |
| 73) | Styrene | 10.20 | 104 | 56452 | 9.52 | ppb | | 99 |
| 75) | 1,3-Dichloropropane | 8.74 | 76 | 23681 | 9.19 | ppb | | 89 |
| 76) | Dibromochloromethane | 8.96 | 129 | 26124 | 10.13 | ppb | | 97 |
| 77) | Chlorobenzene | 9.55 | 112 | 54160 | 9.40 | ppb | | 97 |
| 78) | Ethylbenzene | 9.67 | 91 | 83798 | 9.19 | ppb | | 97 |
| 79) | Bromoform | 10.37 | 173 | 20212 | 9.44 | ppb | | 99 |
| 81) | Isopropylbenzene | 10.55 | 105 | 93022 | 8.91 | ppb | | 97 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.87 | 83 | 14366 | 8.02 | ppb | # | 83 |
| 83) | 1,2,3-Trichloropropane | 10.90 | 110 | 8475 | 9.47 | ppb | | 83 |
| 84) | t-1,4-Dichloro-2-Butene | 10.92 | 53 | 4887 | 10.71 | ppb | # | 58 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M04.D Vial: 4
Acq On : 2 Nov 21 10:29 Operator: LP,DG,CH
Sample : 211102A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 11:19 2021 Quant Results File: M1015W.RES

Quant Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| | Compound | R.T. | QIon | Response | Conc | Unit | Qvalue |
|---|---|---|---|---|---|---|---|
| 85) | Bromobenzene | 10.84 | 156 | 31819 | 9.32 | ppb | 100 |
| 86) | n-Propylbenzene | 10.96 | 91 | 97717 | 9.48 | ppb | 99 |
| 87) | 4-Ethyltoluene | 11.08 | 105 | 92073 | 9.68 | ppb | 100 |
| 88) | 2-Chlorotoluene | 11.04 | 91 | 74835 | 9.16 | ppb | 93 |
| 89) | 1,3,5-Trimethylbenzene | 11.14 | 105 | 83943 | 9.43 | ppb | 100 |
| 90) | 4-Chlorotoluene | 11.14 | 91 | 75469 | 9.30 | ppb | 100 |
| 91) | Tert-Butylbenzene | 11.46 | 119 | 46952 | 9.55 | ppb | 99 |
| 92) | 1,2,4-Trimethylbenzene | 11.51 | 105 | 78825 | 9.34 | ppb | 96 |
| 93) | Sec-Butylbenzene | 11.68 | 105 | 88663 | 9.43 | ppb | 100 |
| 94) | p-Isopropyltoluene | 11.83 | 119 | 88725 | 9.76 | ppb | 95 |
| 95) | Benzyl Chloride | 12.01 | 91 | 20391 | 9.47 | ppb | 99 |
| 96) | 1,3-DCB | 11.78 | 146 | 54675 | 9.19 | ppb | 98 |
| 97) | 1,4-DCB | 11.87 | 146 | 54207 | 8.95 | ppb | 95 |
| 98) | n-Butylbenzene | 12.24 | 91 | 53522 | 8.88 | ppb | 95 |
| 99) | 1,2-DCB | 12.23 | 146 | 53534 | 9.20 | ppb | 98 |
| 100) | Hexachloroethane | 12.48 | 117 | 14718 | 9.66 | ppb | 88 |
| 101) | 1,2-Dibromo-3-chloropropan | 13.01 | 75 | 3954 | 8.00 | ppb | 91 |
| 102) | 1,2,4-Trichlorobenzene | 13.83 | 180 | 18456 | 8.29 | ppb | 96 |
| 103) | Hexachlorobutadiene | 14.01 | 225 | 22863 | 9.26 | ppb | 99 |
| 104) | Naphthalene | 14.07 | 128 | 35473 | 8.52 | ppb | 95 |
| 105) | 1,2,3-Trichlorobenzene | 14.32 | 180 | 23676 | 8.31 | ppb | 91 |

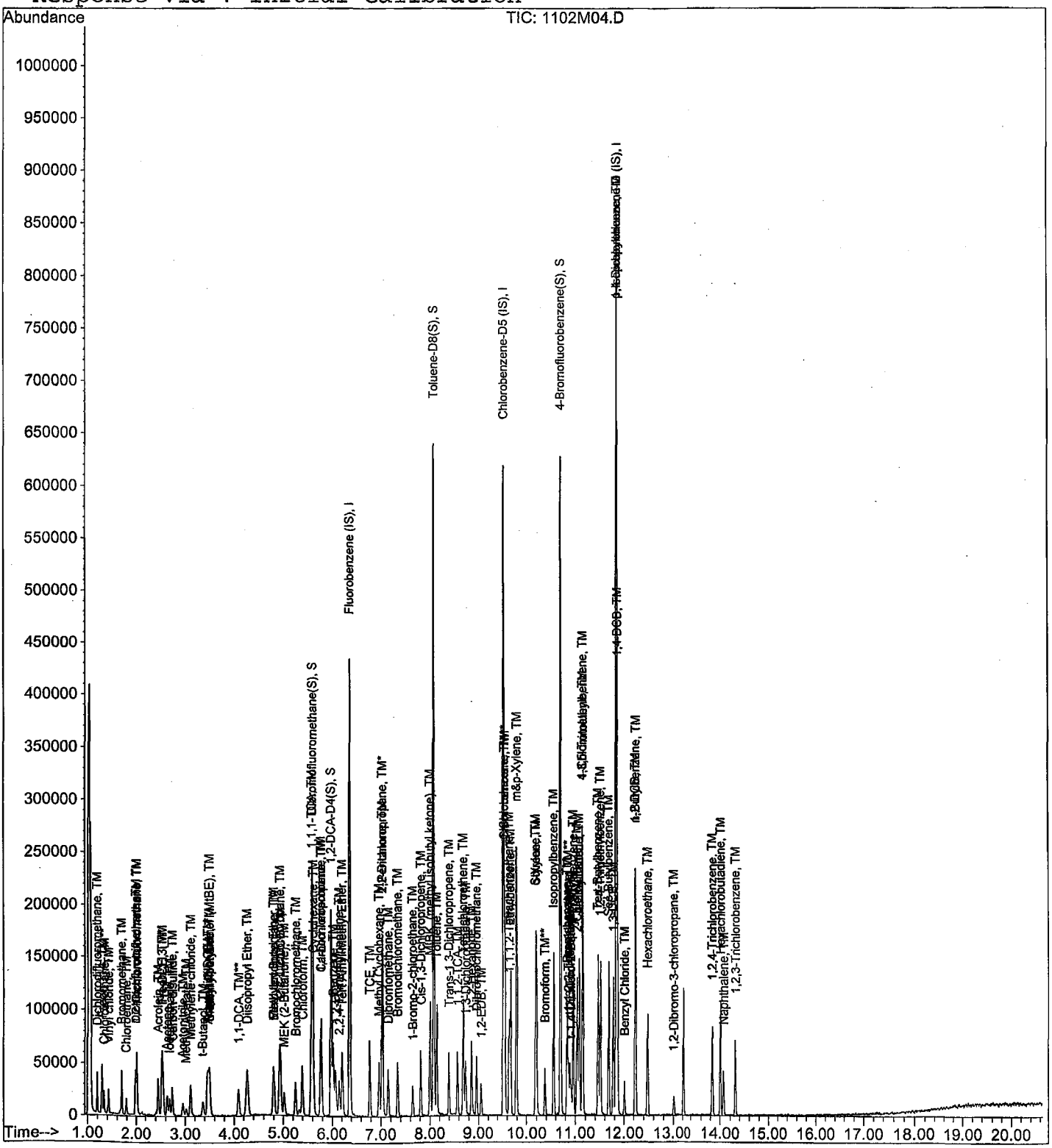
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\211029\1102M04.D Vial: 4
Acq On : 2 Nov 21 10:29 Operator: LP,DG,CH
Sample : 211102A LCSD 10ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 11:19 2021 Quant Results File: M1015W.RES

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sat Oct 16 14:01:48 2021
Response via : Initial Calibration

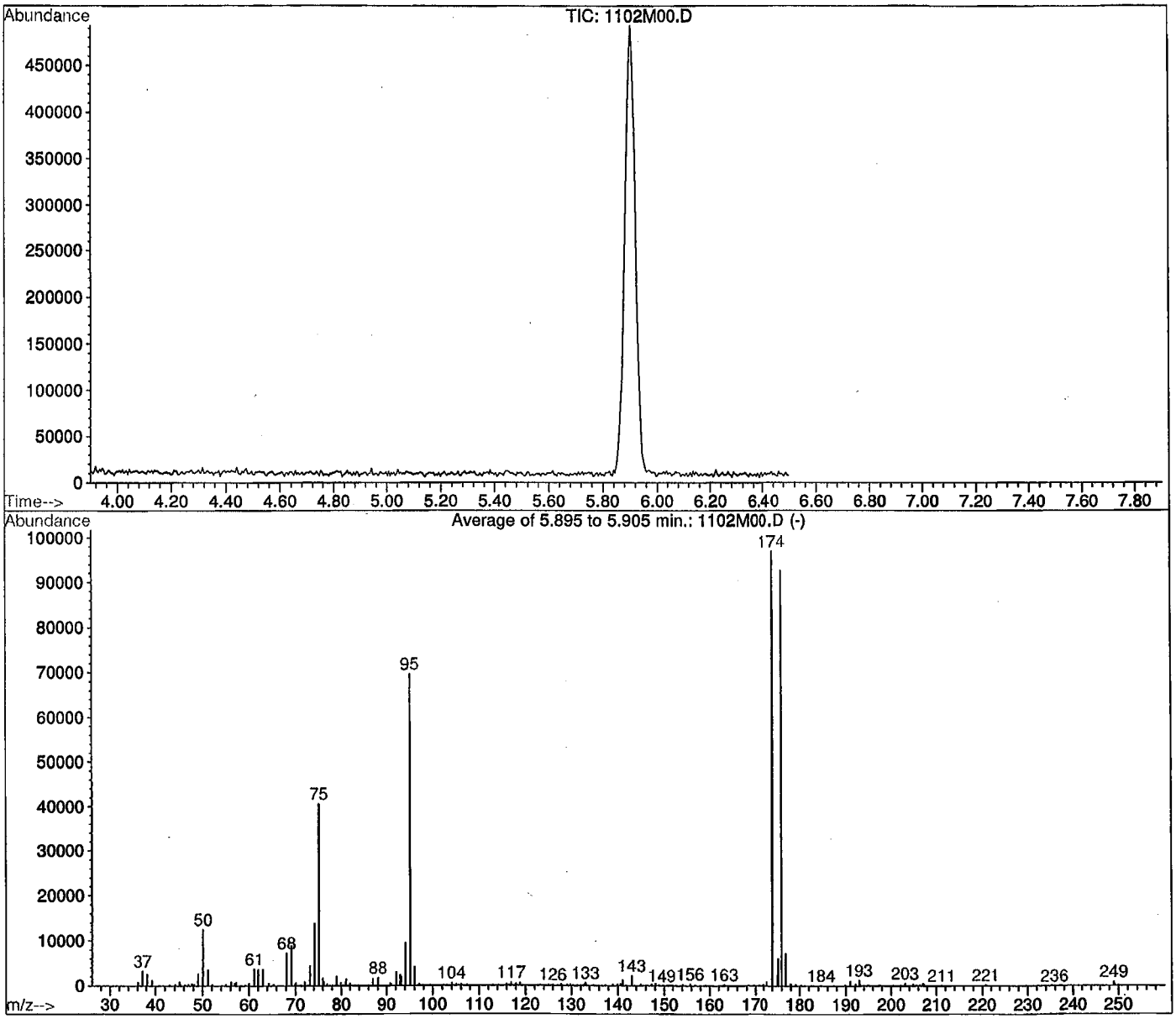


BFB

Data File : M:\MAX\DATA\211029\1102M00.D
Acq On : 2 Nov 21 8:47
Sample : 25ug/L BFB STD 10/29/21
Misc : 2ul

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B




AutoFind: Scans 461, 462, 463; Background Corrected with Scan 447

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.0 | 12532 | PASS |
| 75 | 95 | 30 | 60 | 58.3 | 40619 | PASS |
| 95 | 95 | 100 | 200 | 100.0 | 69685 | PASS |
| 96 | 95 | 5 | 9 | 6.1 | 4252 | PASS |
| 173 | 174 | 0.00 | 2 | 0.9 | 901 | PASS |
| 174 | 95 | 50 | 200 | 139.1 | 96915 | PASS |
| 175 | 174 | 5 | 9 | 6.3 | 6062 | PASS |
| 176 | 174 | 95 | 101 | 95.6 | 92651 | PASS |
| 177 | 176 | 5 | 9 | 7.9 | 7276 | PASS |

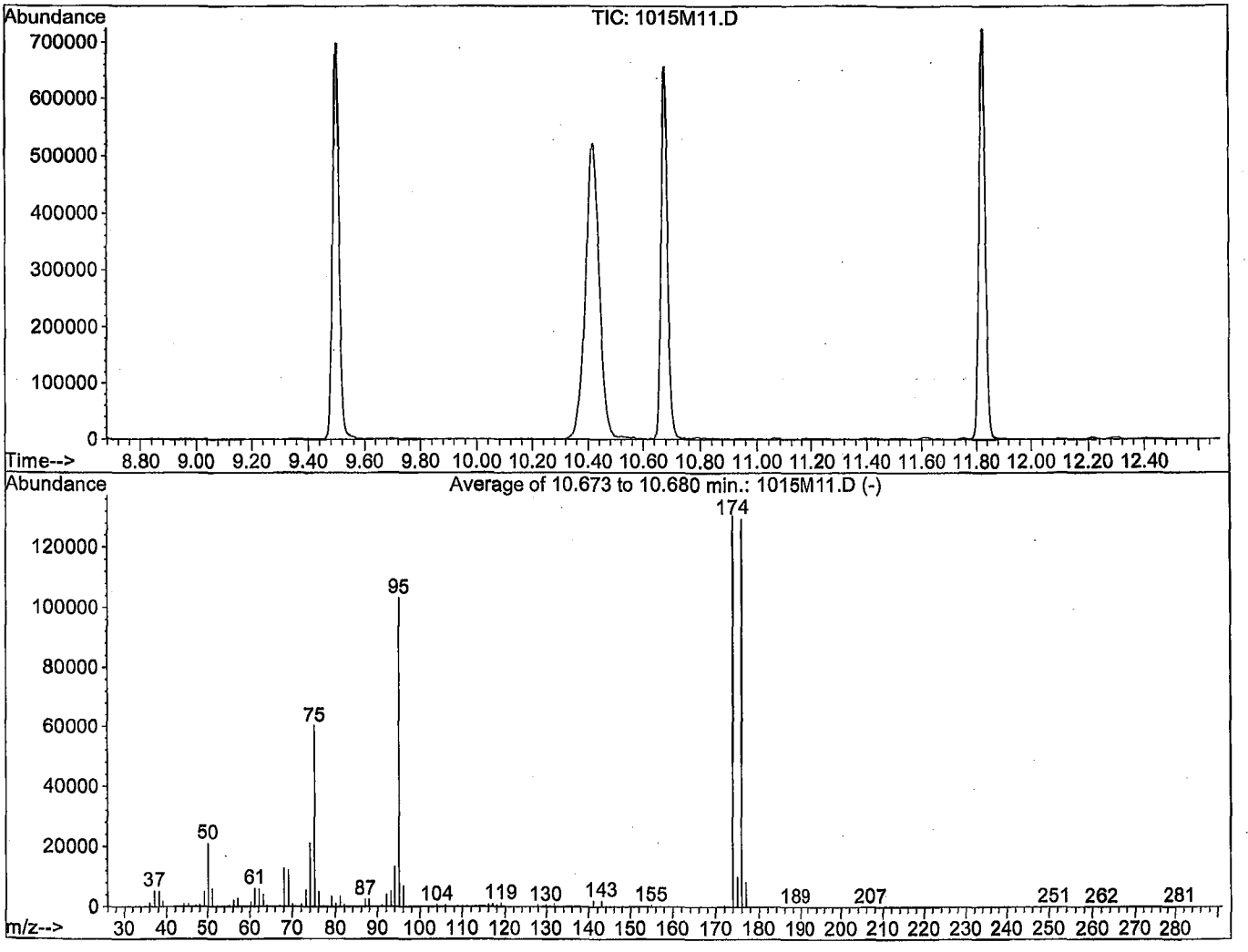
1102M00.D M1015W.M Wed Nov 03 12:58:52 2021

BFB

Data File : M:\MAX\DATA\211015\1015M11.D
Acq On : 15 Oct 21 14:44
Sample : 25ug/L BFB STD 9/23/21
Misc : IS&S 8/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\211015\M1015W.M (RTE Integrator)
Title : METHOD 8260B




AutoFind: Scans 3033, 3034, 3035; Background Corrected with Scan 3020

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 20.4 | 21096 | PASS |
| 75 | 95 | 30 | 60 | 58.4 | 60299 | PASS |
| 95 | 95 | 100 | 200 | 100.0 | 103195 | PASS |
| 96 | 95 | 5 | 9 | 6.7 | 6920 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 126.6 | 130632 | PASS |
| 175 | 174 | 5 | 9 | 7.7 | 10037 | PASS |
| 176 | 174 | 95 | 101 | 99.1 | 129467 | PASS |
| 177 | 176 | 5 | 9 | 6.5 | 8355 | PASS |

# MAX 8260 Standard Prep

**MAX 8260 Water Calibration Curve**

***0.3ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

**Prepared By (Initials): CH**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 0.3ug/L | 5 | Prepared 10/13/21 | 12/12/2021 | N/A | 3uL | 50mL | P&T Water | 0.3 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 5uL | | | 5 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 2.5uL | | | 5 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 2uL | | | 10 |

***0.5ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 0.5ug/L | 5 | Prepared 10/13/21 | 12/12/2021 | N/A | 5uL | 50mL | P&T Water | 0.5 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | | | 10 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 5uL | | | 10 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 5uL | | | 25 |

***1.0ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 1.0ug/L | 5 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | 50mL | P&T Water | 1 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 20uL | | | 20 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | | | 20 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 10uL | | | 50 |

***2.0ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 2.0ug/L | 5 | Prepared 10/13/21 | 12/12/2021 | N/A | 20uL | 50mL | P&T Water | 2 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 30uL | | | 30 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 15uL | | | 30 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 15uL | | | 75 |

***5ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 5ug/L | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 5uL | 50mL | P&T Water | 5 |
| VOA STD. 8 | Phenova | | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 5uL | | | 5 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 40uL | | | 40 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 20uL | | | 20 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 20uL | | | 100 |

***10ug/L***

**Prepared: 9/15/2021**

**Expires: 11/3/2021**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 10ug/L | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | 50mL | P&T Water | 10 |
| VOA STD. 8 | Phenova | | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 10uL | | | 10 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 50uL | | | 50 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 25uL | | | 50 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 25uL | | | 125 |

*20ug/L*

Prepared: 9/15/2021

Expires: 11/3/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 20ug/L | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 20uL | 50mL | P&T Water | 20 |
| VOA STD. 8 | Phenova | | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 20uL | | | 20 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 60uL | | | 60 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 30uL | | | 60 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 30uL | | | 150 |

*40ug/L*

Prepared: 9/15/2021

Expires: 11/3/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 40ug/L | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 40uL | 50mL | P&T Water | 40 |
| VOA STD. 8 | Phenova | | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 40uL | | | 40 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 80uL | | | 80 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 40uL | | | 80 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 35uL | | | 175 |

*100ug/L*

Prepared: 9/15/2021

Expires: 11/3/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 100ug/L | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 100uL | 50mL | P&T Water | 100 |
| VOA STD. 8 | Phenova | | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 100uL | | | 100 |
| VOA STD. 1 | Absolute | | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 100uL | | | 100 |
| VOA STD. 2 | Phenova | | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 50uL | | | 100 |
| VOA STD. TBA | Various | | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 40uL | | | 200 |

**MAX 8260 Water Second Source (SS)**

Prepared: 9/15/2021

Expires: 11/3/2021

**Prepared By (Initials): CH**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 3 | Phenova | 8260 Water SS | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 25uL | 50mL | P&T Water | 50 |
| VOA STD. GASES | Phenova | 8260 Water SS | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | | | 10 |
| VOA STD. 0 | Phenova | 8260 Water SS | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | | | 10 |
| VOA STD. 2-CEVE | Absolute | 8260 Water SS | 50 | Prepared 10/13/21 | 10/13/2021 | N/A | 50uL | | | 50 |
| VOA STD. 6 | Various | 8260 Water SS | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 10uL | | | 10 |
| Voa STD. TBA | Various | 8260 Water SS | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 25uL | | | 250 |

**8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)**

Prepared: 9/15/2021

Expires: 9/16/2021

**Prepared By (Initials): CH**

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | CCV/ LCS | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 10uL | 50mL | P&T Water | 10 |
| VOA STD. 8 | Phenova | CCV/ LCS | 50 | Prepared 10/13/21 | 11/3/2021 | N/A | 10uL | | | 10 |
| VOA STD. 1 | Absolute | CCV/ LCS | 50 | Prepared 10/13/21 | 12/12/2021 | N/A | 50uL | | | 50 |
| VOA STD. 2 | Phenova | CCV/ LCS | 100 | Prepared 10/13/21 | 12/12/2021 | N/A | 25uL | | | 50 |
| VOA STD. TBA | Various | CCV/ LCS | 250 | Prepared 10/13/21 | 11/3/2021 | N/A | 25uL | | | 250 |

# Injection Log

Directory: M:\MAX\DATA\211015\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 1 | 1015M11.D | 1 | 25ug/L BFB STD 9/23/21 | IS&S 8/4/21 | 15 Oct 21 14:44 |
| 2 | 2 | 1015M12.D | 1 | 0.3ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 15:12 |
| 3 | 3 | 1015M13.D | 1 | 0.5ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 15:41 |
| 4 | 4 | 1015M14.D | 1 | 1ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 16:09 |
| 5 | 5 | 1015M15.D | 1 | 2ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 16:38 |
| 6 | 6 | 1015M16.D | 1 | 5ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 17:06 |
| 7 | 7 | 1015M17.D | 1 | 10ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 17:35 |
| 8 | 8 | 1015M18.D | 1 | 20ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 18:03 |
| 9 | 9 | 1015M19.D | 1 | 40ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 18:31 |
| 10 | 10 | 1015M20.D | 1 | 100ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 19:00 |
| 11 | 12 | 1015M22.D | 1 | (SS) 10ug/L VOC STD 10/15/21 | IS&S 8/4/21 | 15 Oct 21 19:57 |

# Injection Log

Directory: M:\MAX\DATA\211029\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 1 | 1102M00.D | 1 | 25ug/L BFB STD 10/29/21 | 2ul | 2 Nov 21 8:47 |
| 2 | 3 | 1102M03.D | 1 | 211102A CCV/LCS 10ug/L | IS&S 8/4/21 | 2 Nov 21 10:01 |
| 3 | 4 | 1102M04.D | 1 | 211102A LCSD 10ug/L | IS&S 8/4/21 | 2 Nov 21 10:29 |
| 4 | 5 | 1102M05.D | 1 | 211102A BLK | IS&S 8/4/21 | 2 Nov 21 10:58 |
| 5 | 14 | 1102M14.D | 1 | BA44375W01 | IS&S 8/4/21 | 2 Nov 21 15:13 |
| 6 | 15 | 1102M15.D | 1 | BA44376W01 | IS&S 8/4/21 | 2 Nov 21 15:42 |
| 7 | 24 | 1102M24.D | 1 | Ending CCV 10ug/L 11/02/21 | IS&S 8/4/21 | 2 Nov 21 19:57 |

# ORGANICS
# Calibration Data

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max
Initials:

0825M12.D 0825M13.D 0825M14.D 0825M15.D 0825M16.D 0825M17.D 0825M18.D 0825M19.D 0825M20.D

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | | | | | | | | | | | | | | | | |
| 2 | S | Dibromofluoromethane(S) | 0.3523 | 0.3417 | 0.2807 | 0.2859 | 0.2870 | 0.2956 | 0.2984 | 0.3009 | 0.2709 | | 0.30 | 9.1 | S | | | |
| 3 | S | 1,2-DCA-D4(S) | 0.2194 | 0.2154 | 0.1883 | 0.1930 | 0.1953 | 0.1908 | 0.1985 | 0.2034 | 0.1791 | | 0.20 | 6.5 | S | | | |
| 4 | I | Chlorobenzene-D5 (IS) | | | | | | | | | | | | | | | | |
| 5 | S | Toluene-D8(S) | 1.390 | 1.326 | 1.153 | 1.099 | 1.153 | 1.163 | 1.121 | 1.122 | 1.024 | | 1.2 | 9.8 | S | | | |
| 6 | S | 4-Bromofluorobenzene(S) | 0.5362 | 0.5171 | 0.4075 | 0.4294 | 0.4615 | 0.4643 | 0.4388 | 0.4514 | 0.4103 | | 0.46 | 9.7 | S | | | |
| 7 | I | 1,4-Dichlorobenzene-D (IS) | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | |
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| 34 | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 2
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 268418 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 221472 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137587 | 25.00 ppb | 0.00 |
| System Monitoring Compounds | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 18913 | 5.84 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 23.372% | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 11779 | 5.54 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 22.148% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 61590 | 5.93 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 23.720% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 23749 | 5.86 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 23.444% | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

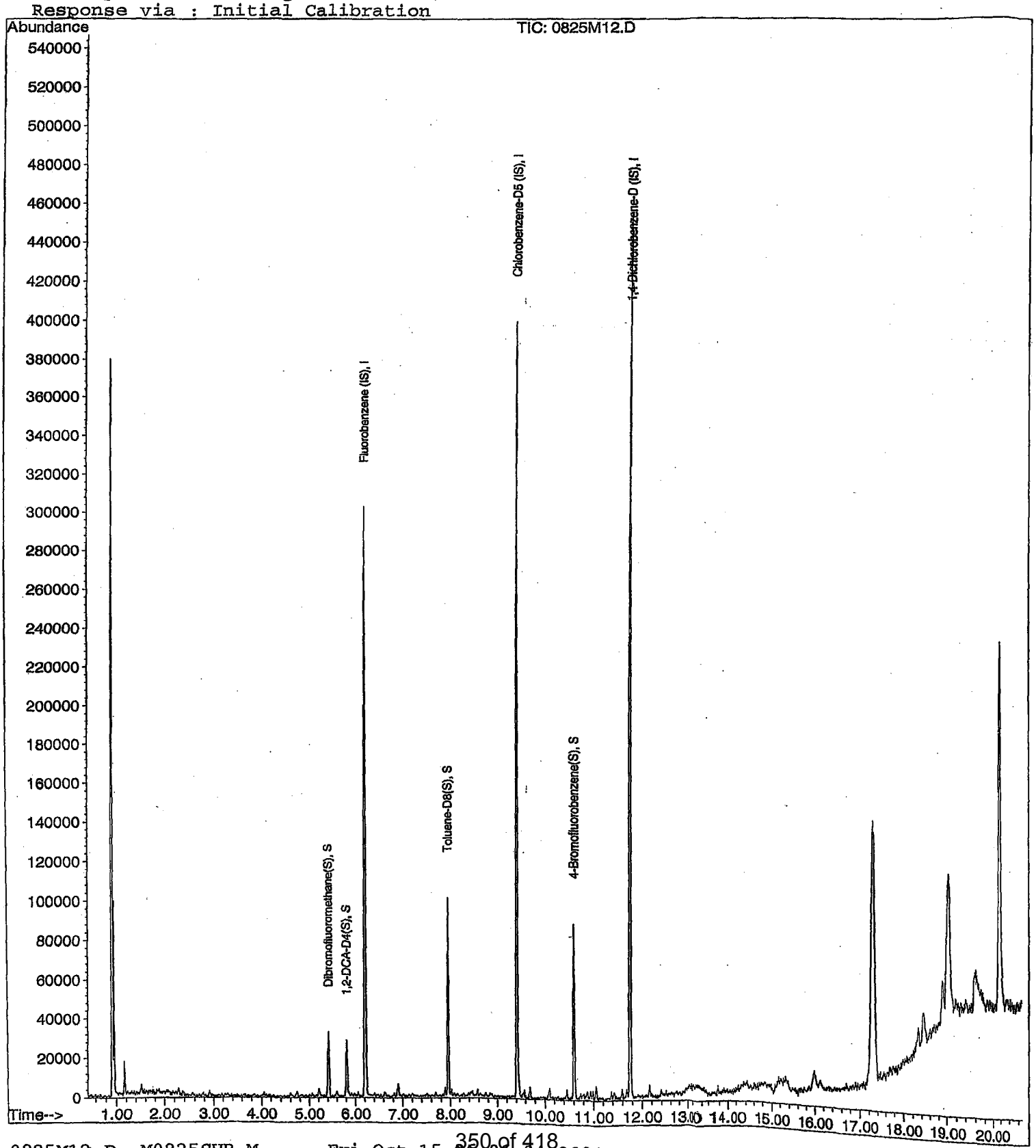
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M12.D
Acq On : 25 Aug 21 15:15
Sample : 0.3ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 2
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M13.D Vial: 3
Acq On : 25 Aug 21 15:43 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 270425 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 226950 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 138629 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 18480 | 5.67 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 22.664% | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 11650 | 5.44 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 21.744% | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 60175 | 5.65 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 22.616% | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 23472 | 5.65 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 22.612% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

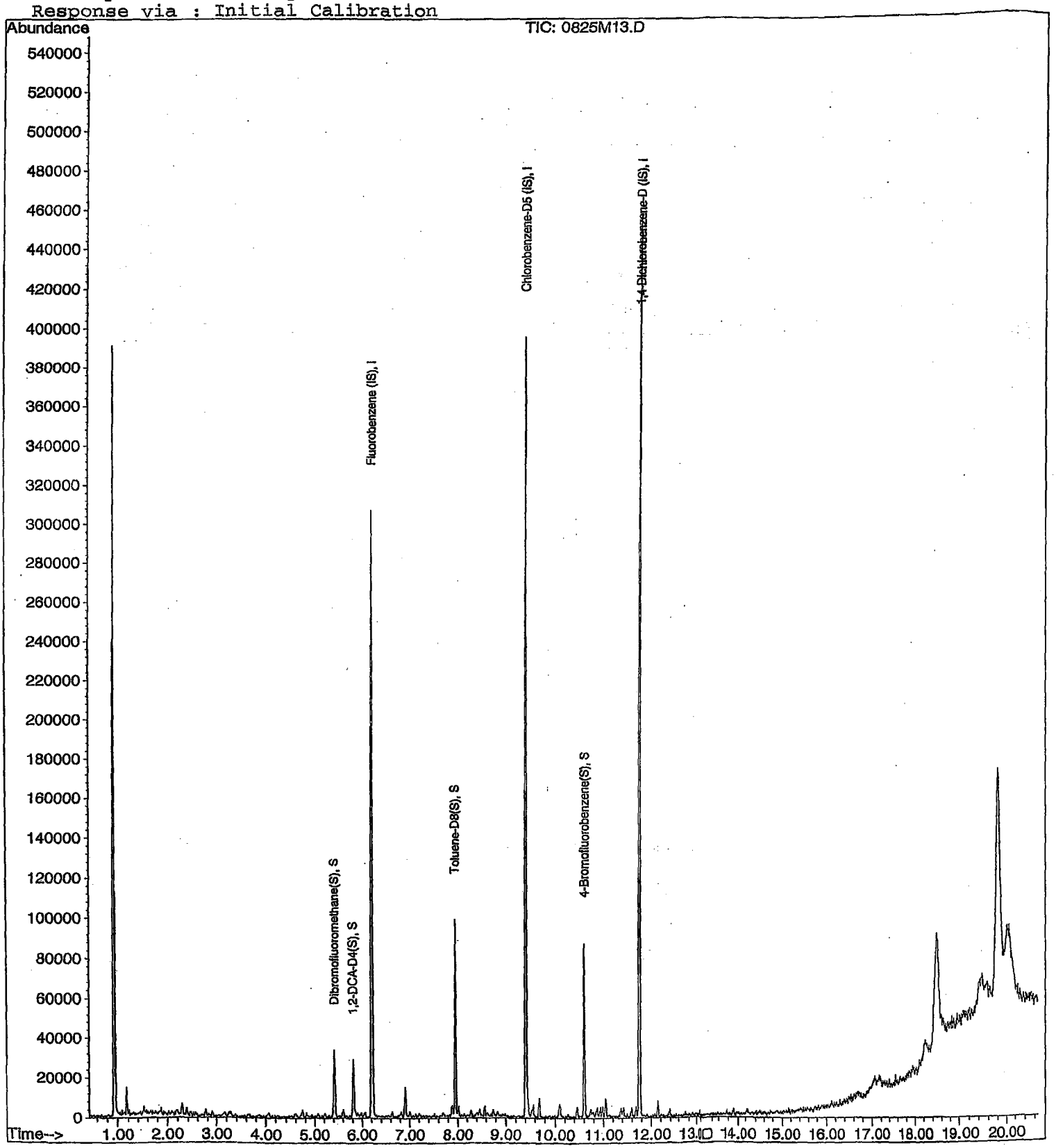
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M13.D
Acq On : 25 Aug 21 15:43
Sample : 0.5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M14.D Vial: 4
Acq On : 25 Aug 21 16:11 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.22 | 96 | 261019 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 222702 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137225 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 29305 | 9.31 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 37.236% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 19664 | 9.51 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 38.024% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 102711 | 9.84 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 39.340% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 36297 | 8.91 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 35.632% | | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

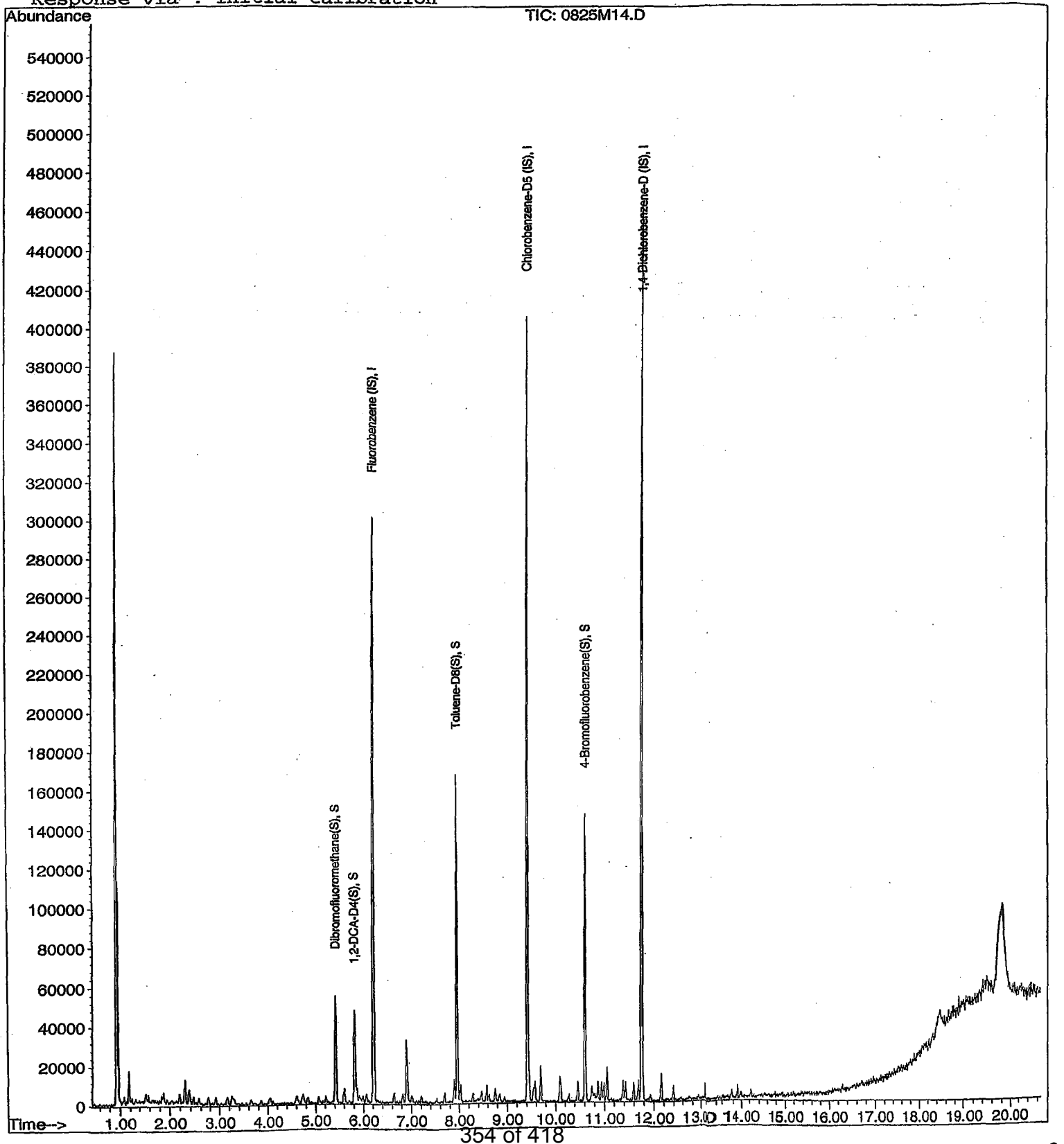
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M14.D
Acq On : 25 Aug 21 16:11
Sample : 1ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M15.D Vial: 5
Acq On : 25 Aug 21 16:39 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 260699 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.42 | 117 | 218570 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137104 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 29818 | 9.48 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 37.936% | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 20128 | 9.74 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 38.968% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 96059 | 9.37 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 37.488% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 37545 | 9.39 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 37.556% | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

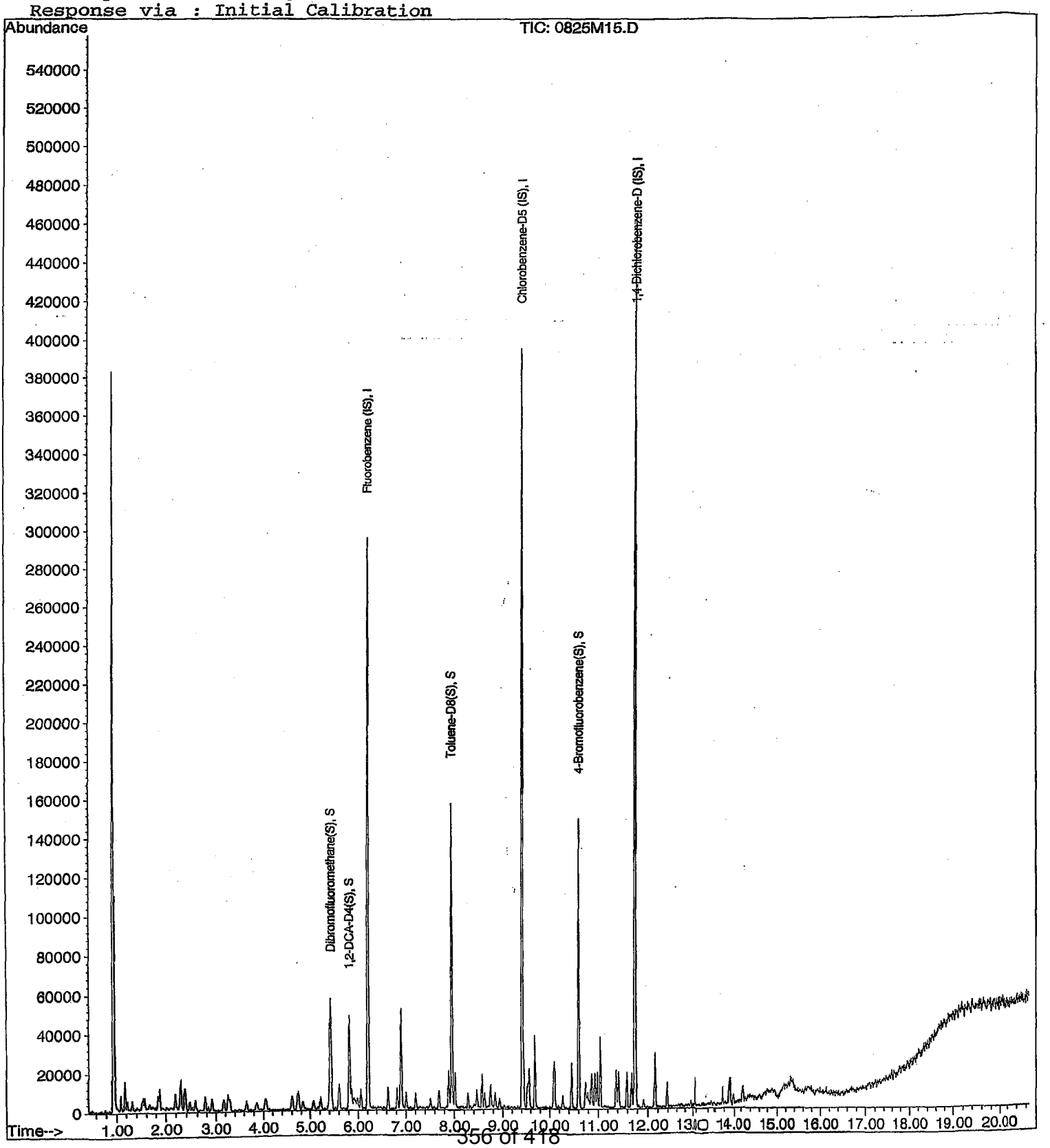
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M15.D
Acq On : 25 Aug 21 16:39
Sample : 2ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D
Acq On : 25 Aug 21 17:07
Sample : 5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 261599 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 219379 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 136215 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 75090 | 23.80 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 95.204% | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 51096 | 24.65 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.580% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 252960 | 24.59 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.356% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 101253 | 25.23 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 100.908% | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

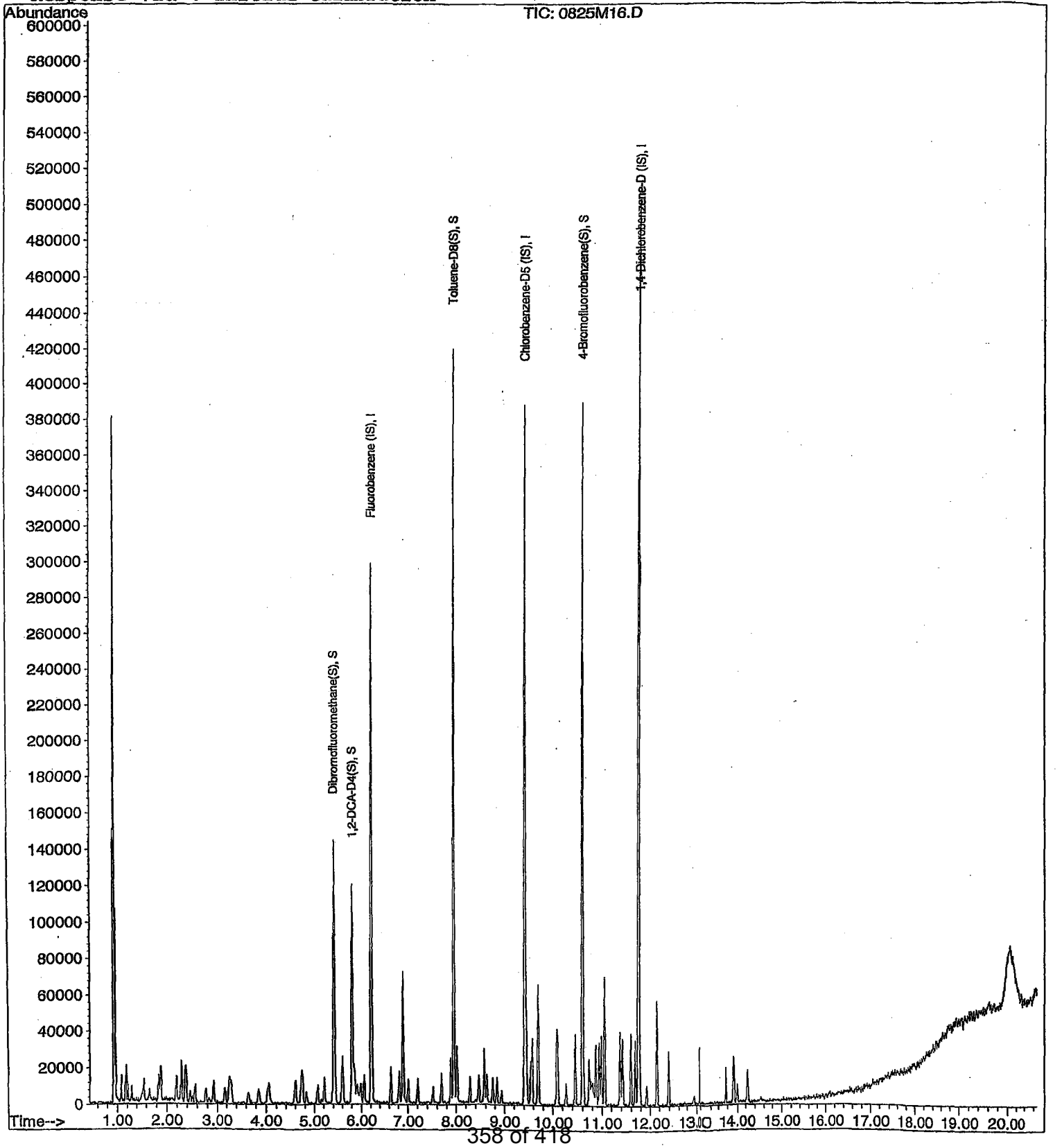
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M16.D
Acq On : 25 Aug 21 17:07
Sample : 5ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M17.D Vial: 7
Acq On : 25 Aug 21 17:35 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 260876 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 215380 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 136295 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 77116 | 24.51 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.044% | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 49768 | 24.07 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 96.284% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 250522 | 24.80 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 99.216% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 100010 | 25.38 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 101.520% | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

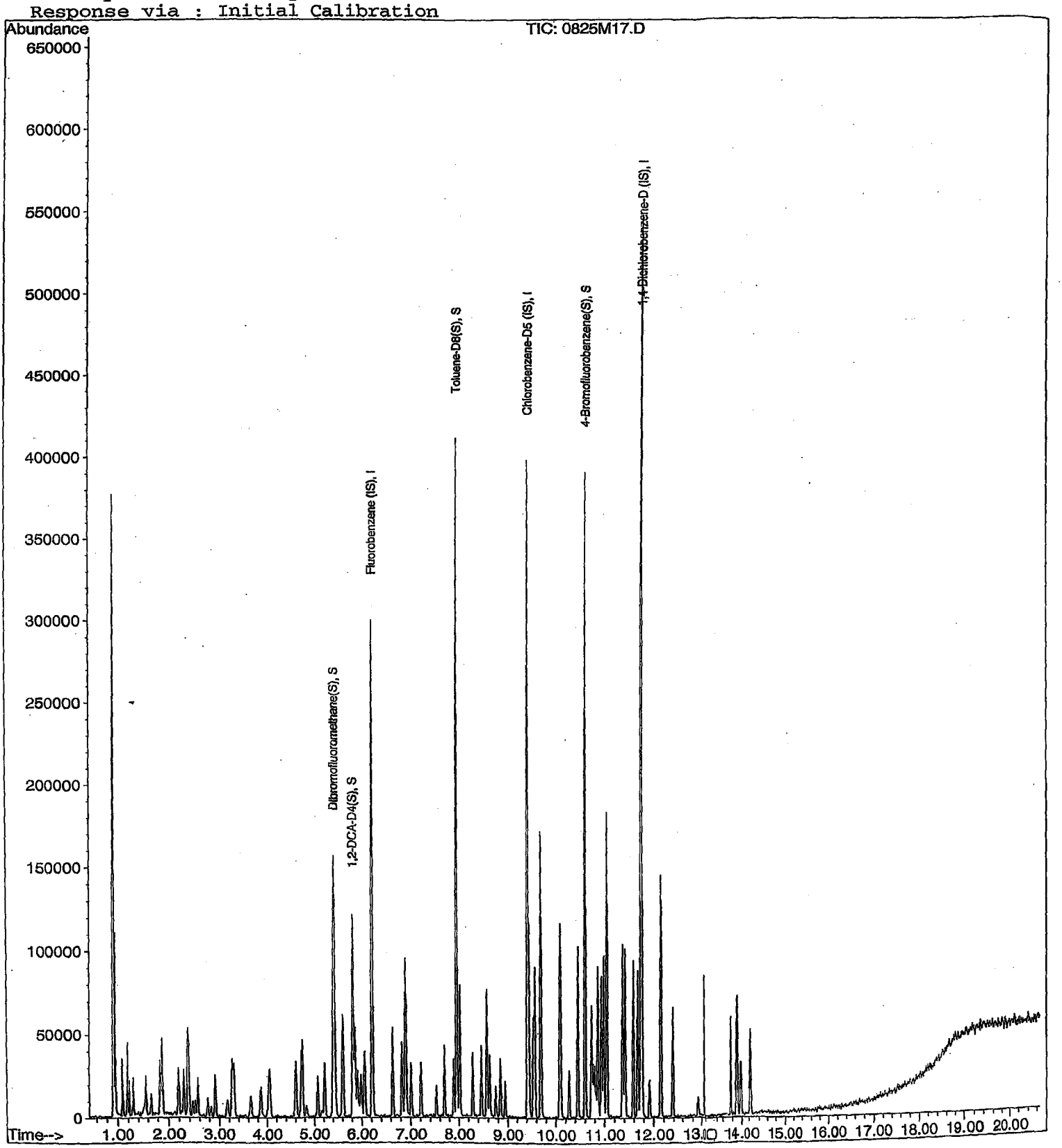
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M17.D
Acq On : 25 Aug 21 17:35
Sample : 10ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M18.D Vial: 8
Acq On : 25 Aug 21 18:03 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 258006 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 222674 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 141752 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 153975 | 49.49 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 197.940% | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 102408 | 50.08 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 200.332% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 499120 | 47.80 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 191.196% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 195414 | 47.97 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 191.868% | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

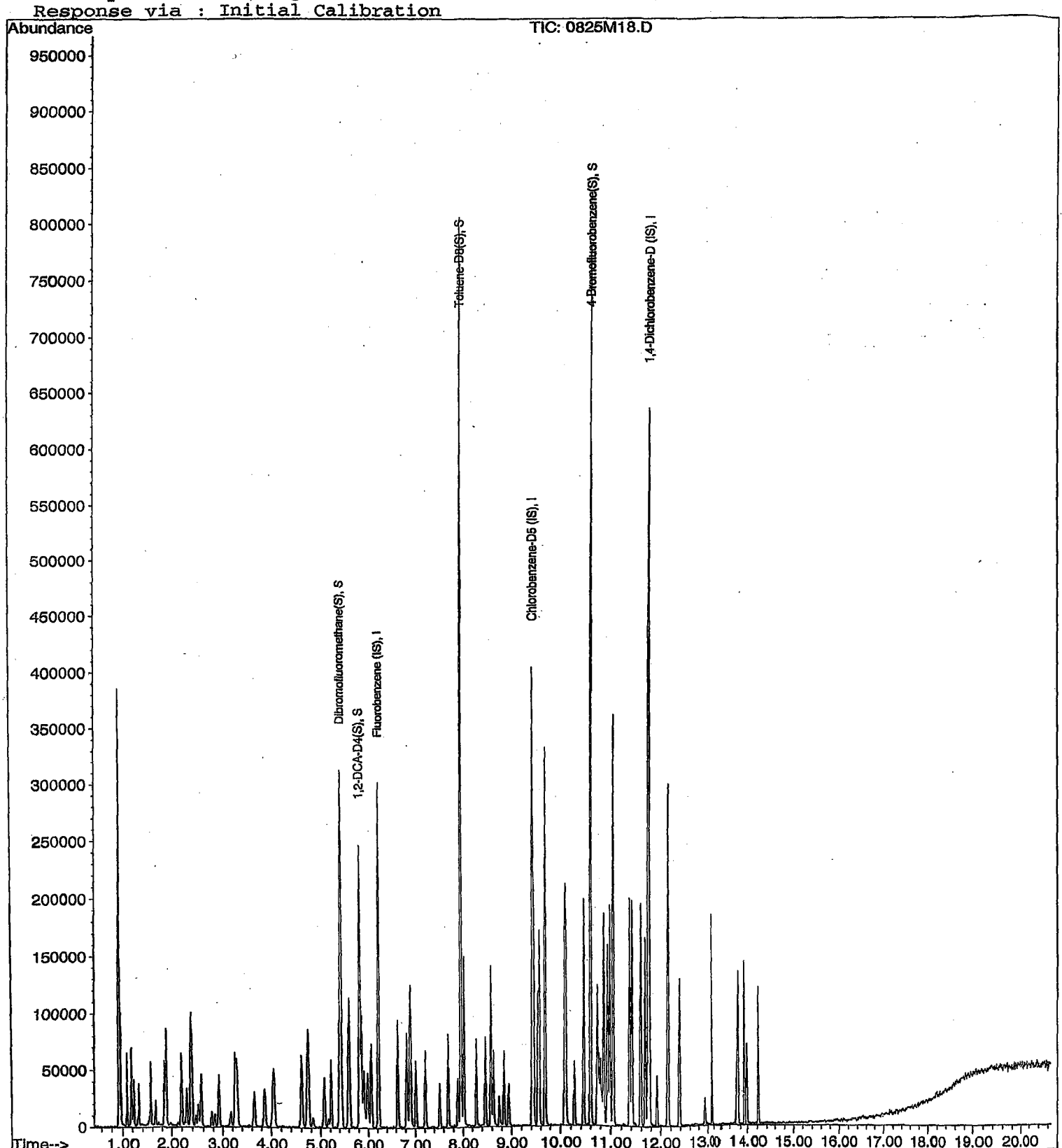
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M18.D
Acq On : 25 Aug 21 18:03
Sample : 20ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M19.D Vial: 9
Acq On : 25 Aug 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 251853 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 216925 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 140689 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 151584 | 49.91 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 199.628% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 102456 | 51.33 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 205.320% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 486936 | 47.87 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 191.472% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 195822 | 49.34 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 197.364% | | | |

Target Compounds Qvalue

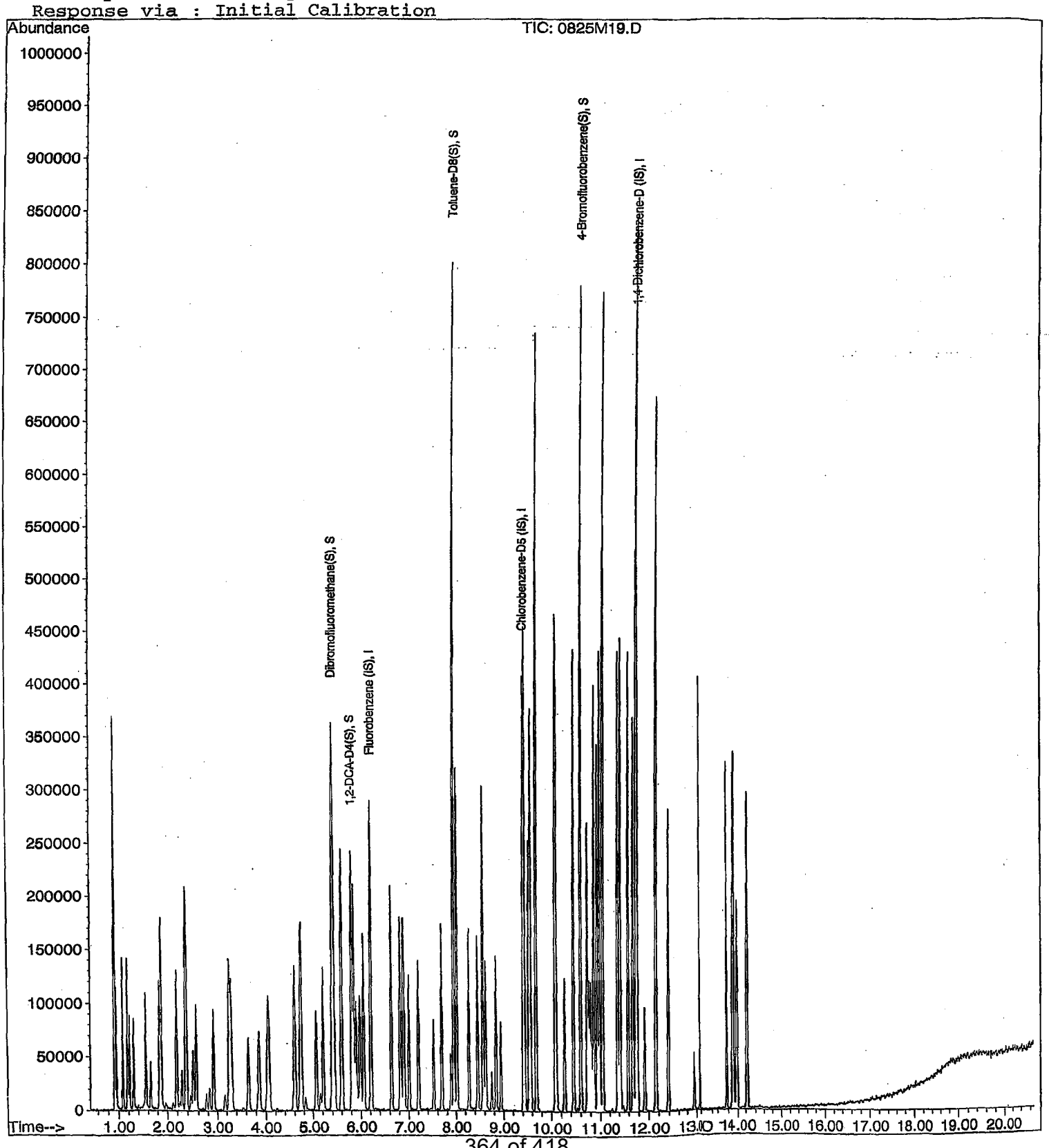
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D Vial: 9
Acq On : 25 Aug 21 18:31 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | 96 | 251268 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 218191 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 142788 | 25.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 272268 | 89.85 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 359.396% | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 179968 | 90.37 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 361.496% | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 893556 | 87.33 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 349.324% | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 358053 | 89.70 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 358.780% | | |

Target Compounds Qvalue

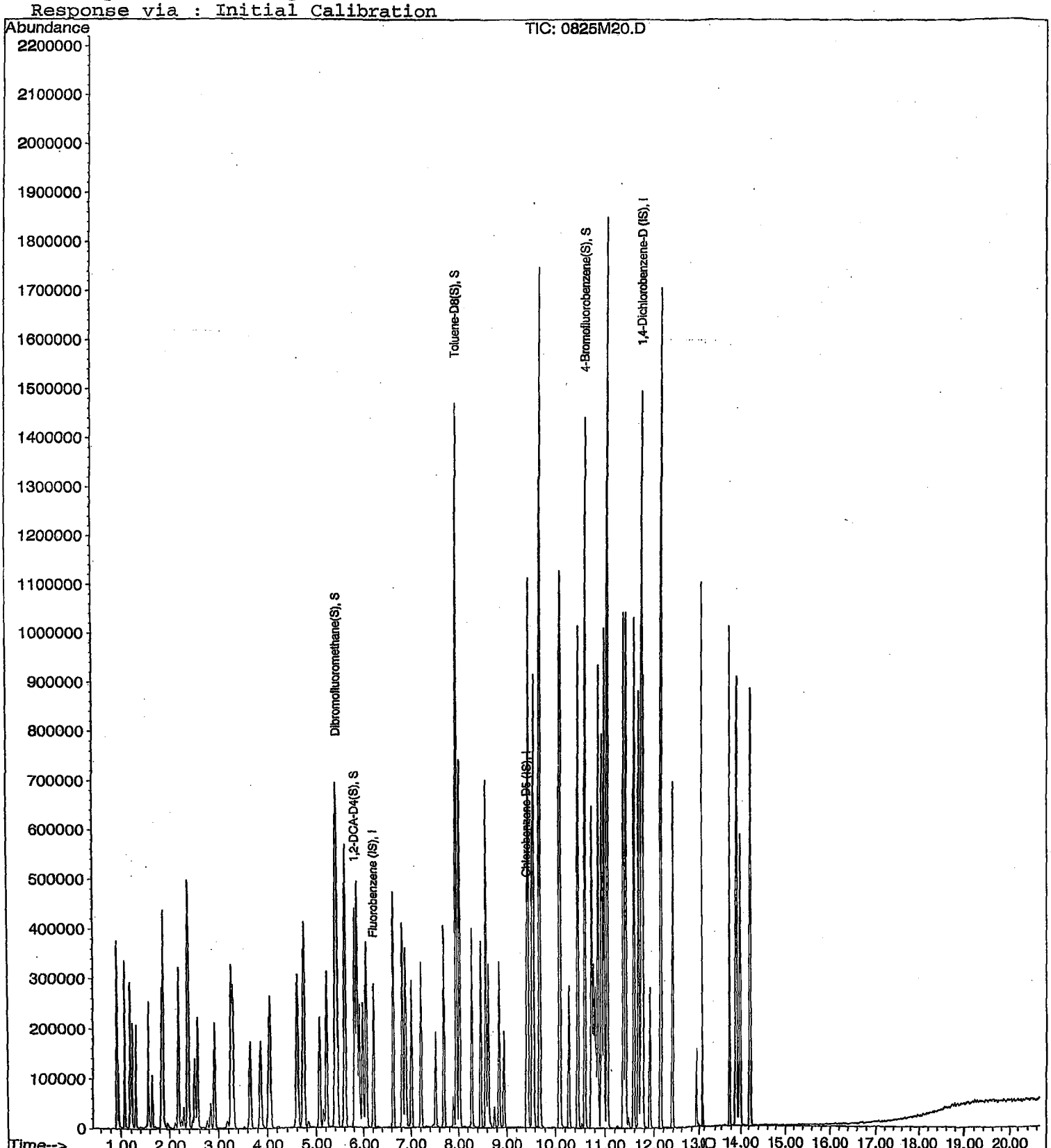
(#) = qualifier out of range (m) = manual integration

Data File : M:\MAX\DATA\210825\0825M20.D
Acq On : 25 Aug 21 18:59
Sample : 100ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:25 2021 Quant Results File: M0825SUR.RES

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/25/2021
Matrix: Instrument: Max
Initials:

| | | 0825M23.D | 0825M24.D | 0825M25.D | 0825M26.D | 0825M27.D | 0825M28.D | 0825M29.D | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q | MRF |
| I | Fluorobenzene (IS) | | | | | | | | | | | | | | | | |
| TMHBL | Gasoline C6-C10 | 13.8 | 5.689 | 3.019 | 1.290 | 0.8206 | 0.7117 | 0.6349 | | | | 3.7 | 130 | TMHB | 0.999 | | |
| TMHB | Chlorobenzene-D5 (IS) | | | | | | | | | | | | | | | | |
| TMHB | 1,4-Dichlorobenzene (IS) | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |
| 1 | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | |

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M23.D Vial: 13
Acq On : 25 Aug 21 20:23 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 284811 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 236410m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 14670m | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 3136582m | 38.03 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

Quantitation Report

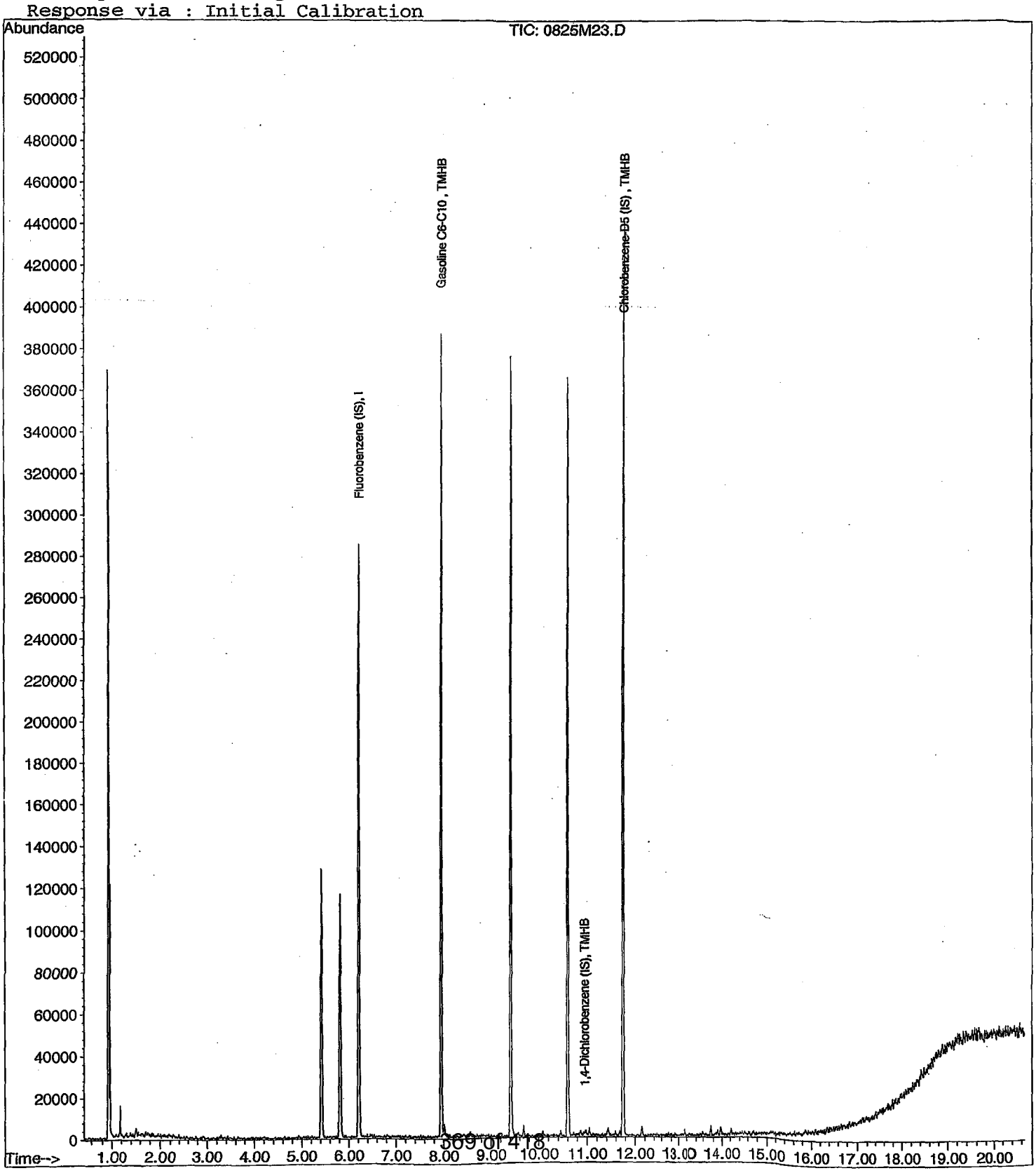
Data File : M:\MAX\DATA\210825\0825M23.D
Acq On : 25 Aug 21 20:23
Sample : 20ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 285081 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 248593m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 21251m | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 3243874m | 61.97 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

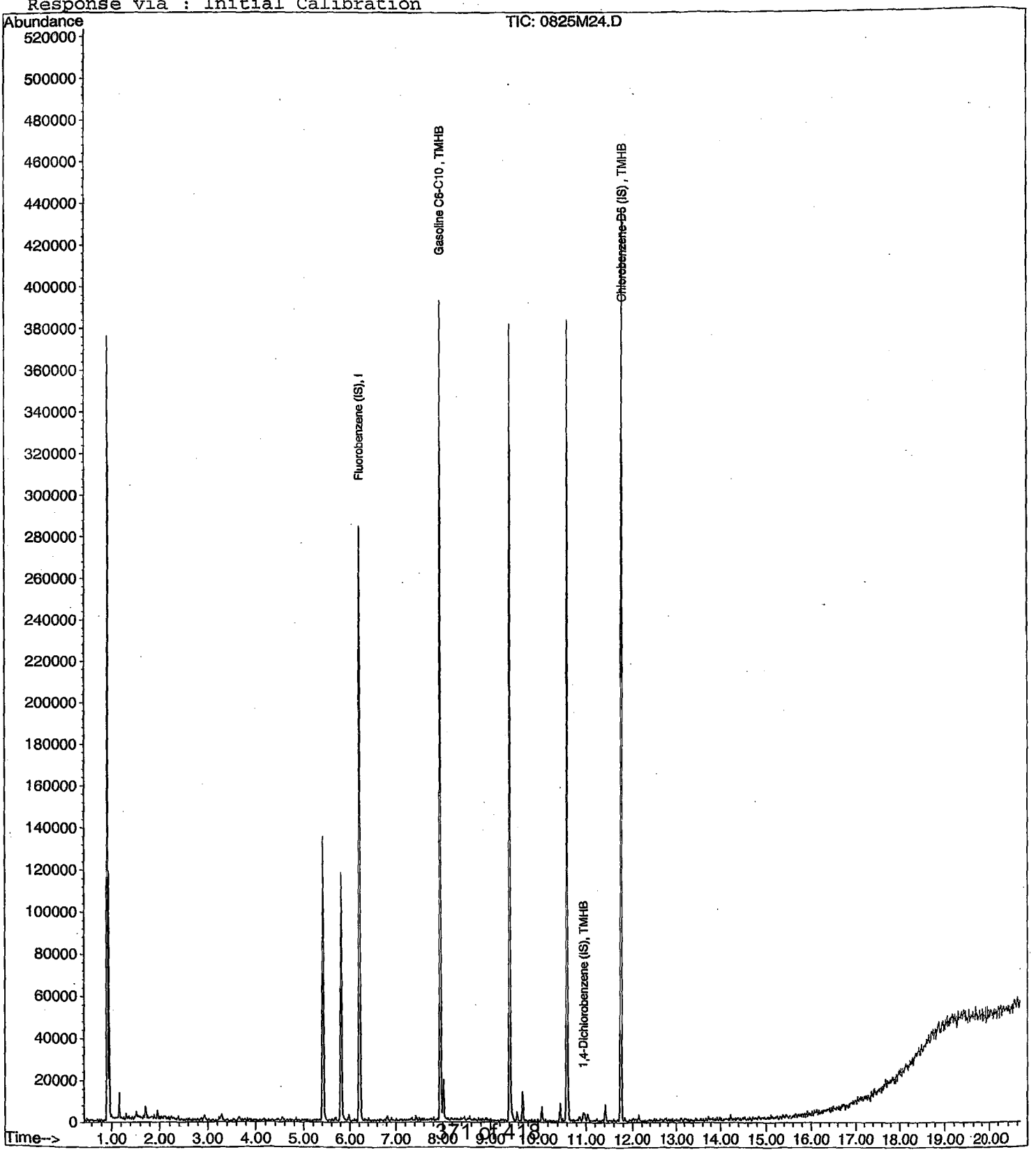
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M24.D
Acq On : 25 Aug 21 20:51
Sample : 50ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:15 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M25.D Vial: 15
Acq On : 25 Aug 21 21:19 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 286586 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 245880m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 32801m | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 3460677m | 107.56 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

Quantitation Report

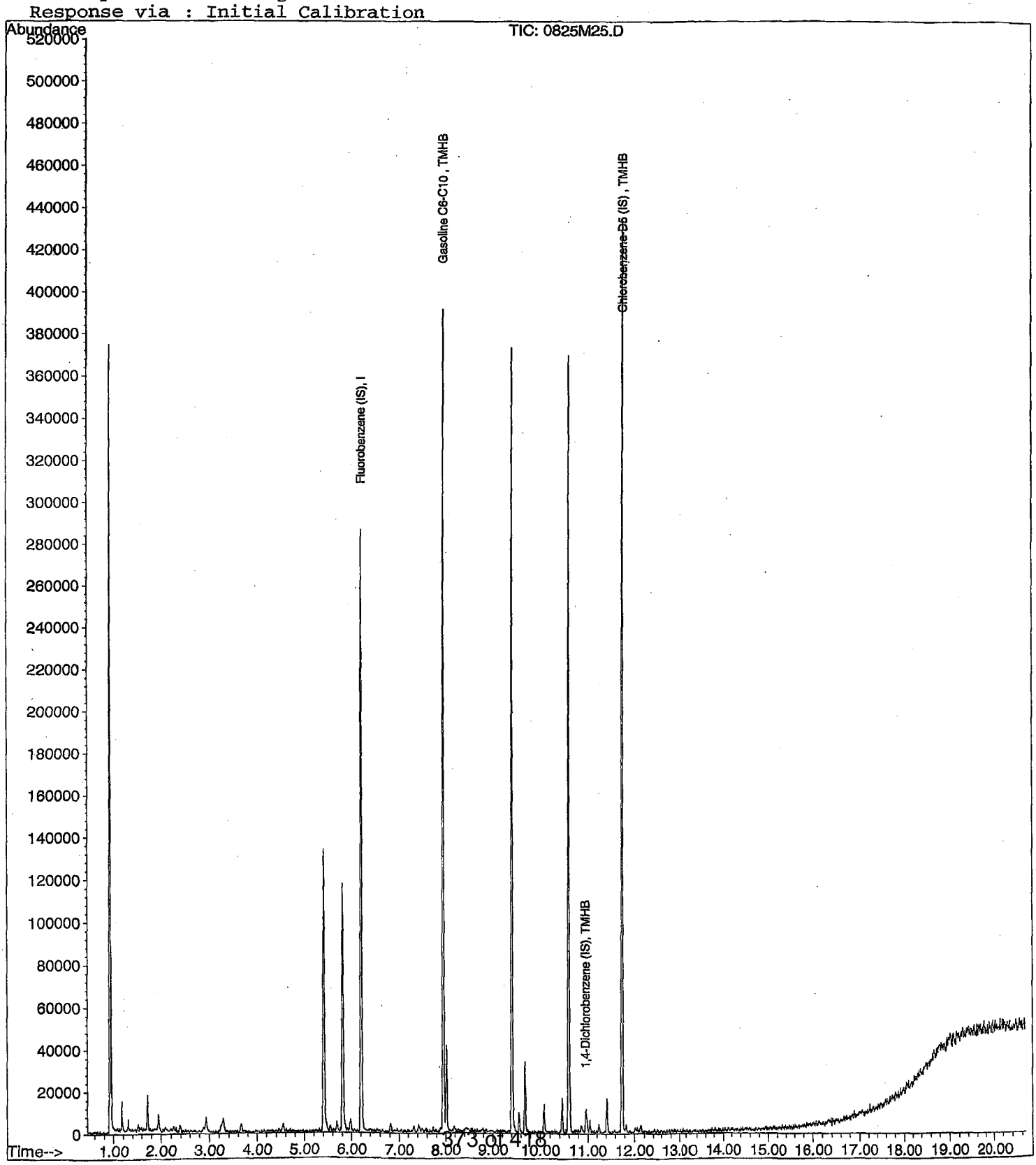
Data File : M:\MAX\DATA\210825\0825M25.D
Acq On : 25 Aug 21 21:19
Sample : 100ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021

Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 280163 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 264646m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 87973m | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 4335414m | 329.97 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

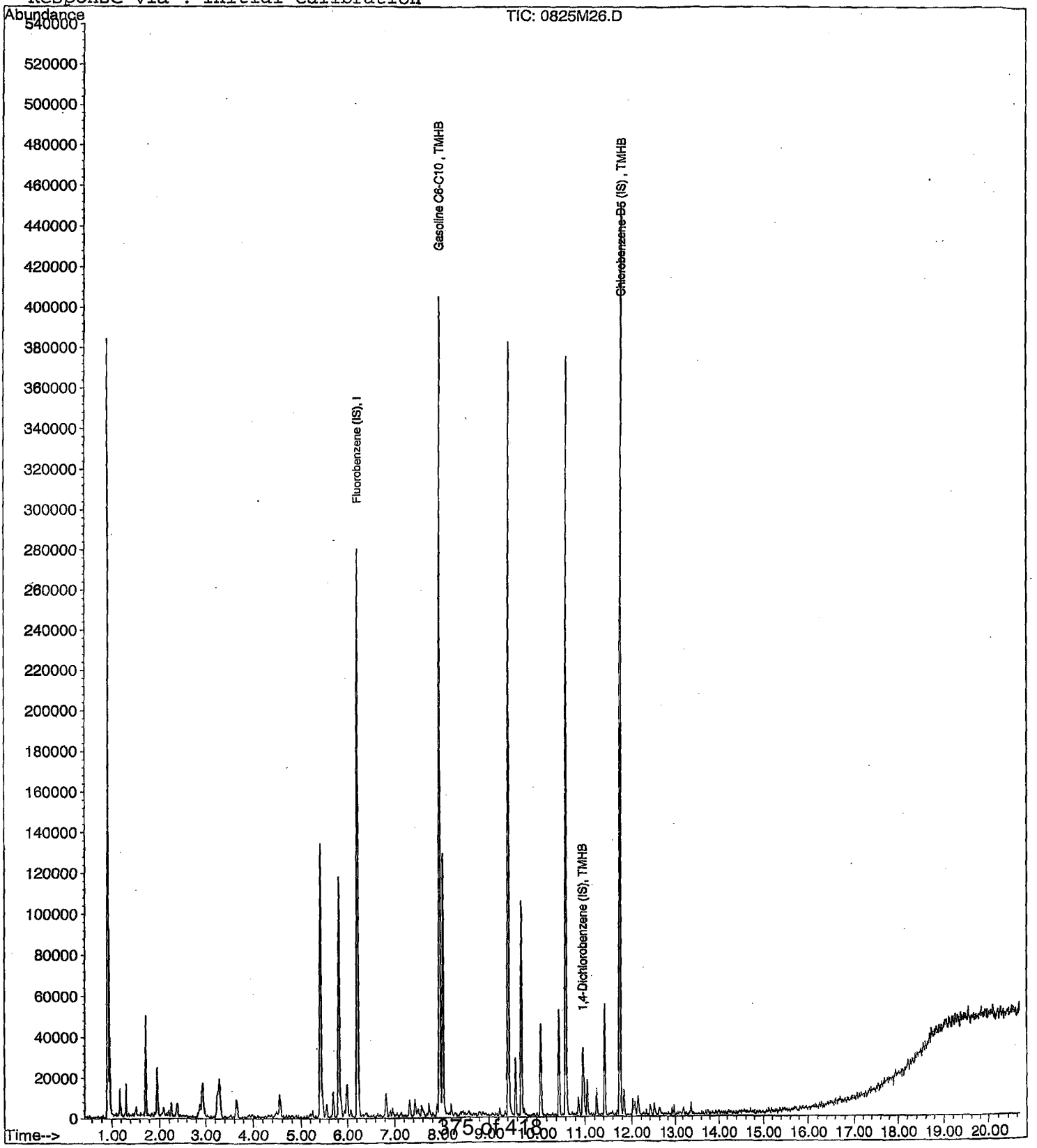
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M26.D
Acq On : 25 Aug 21 21:47
Sample : 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:16 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M27.D
Acq On : 25 Aug 21 22:14
Sample : 600ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 283991 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 290103m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 180429m | 25.00 ppb | 0.00 |
| System Monitoring Compounds | | | | | |
| Target Compounds | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 5593097m | 606.10 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

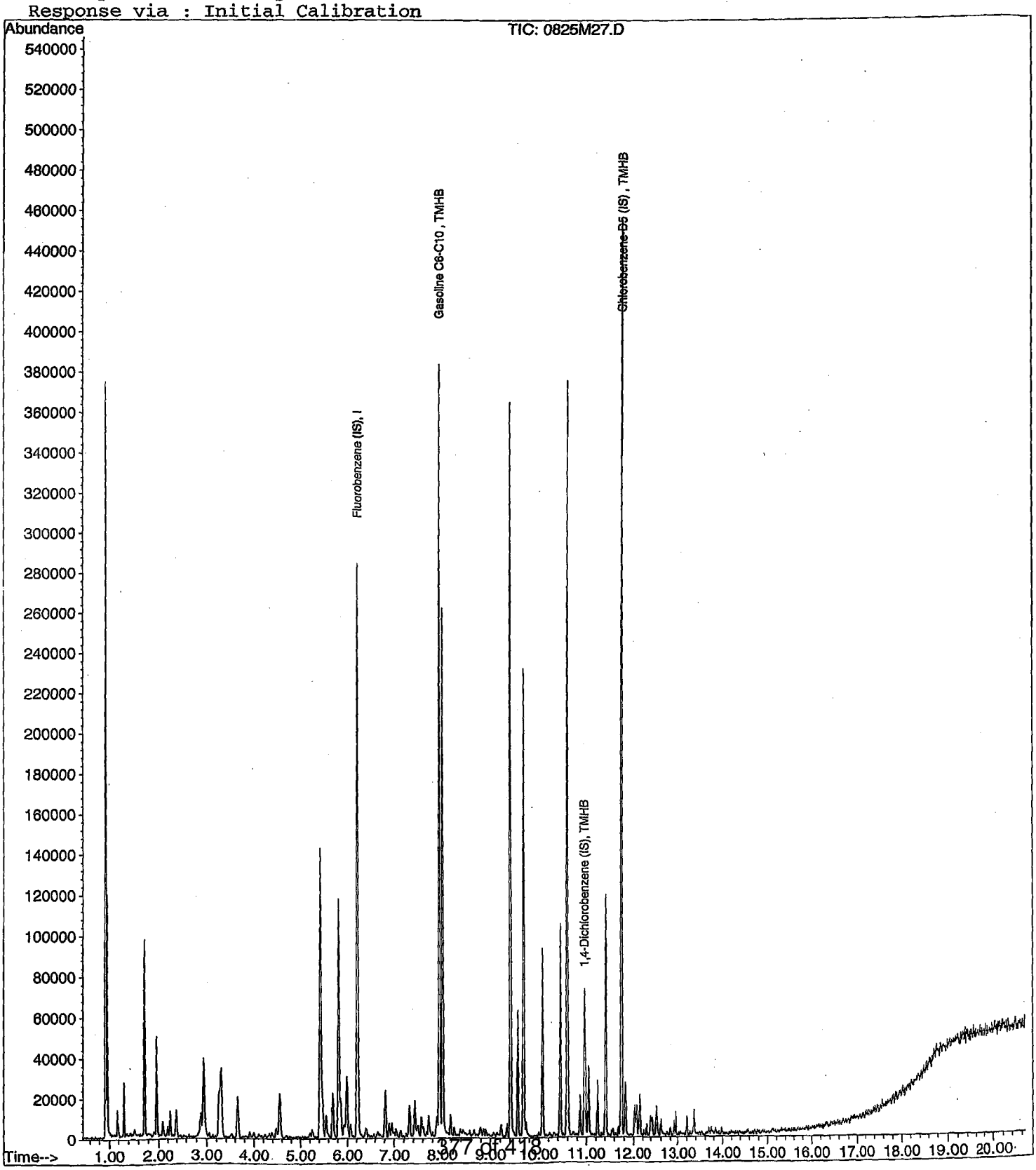
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M27.D
Acq On : 25 Aug 21 22:14
Sample : 600ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M28.D Vial: 18
Acq On : 25 Aug 21 22:42 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 288929 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 313031m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 240514m | 25.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 6580092m | 807.60 | ppb | 100 |



(#) = qualifier out of range (m) = manual integration

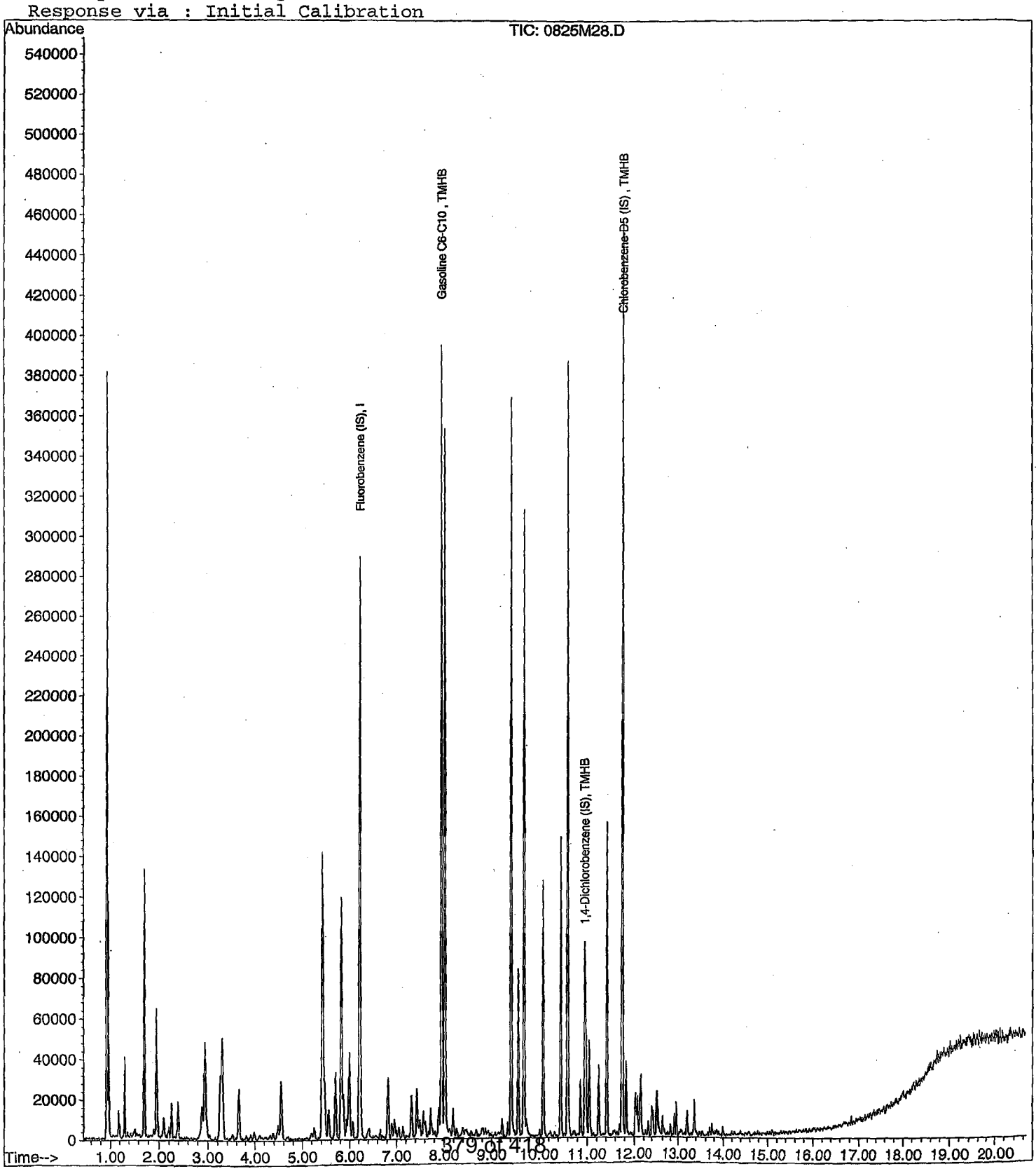
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M28.D
Acq On : 25 Aug 21 22:42
Sample : 800ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:18 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M29.D Vial: 19
Acq On : 25 Aug 21 23:10 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:13:10 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 286598 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 331346m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 289883m | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Gasoline C6-C10 | 8.02 | TIC | 7278206m | 979.10 ppb | 100 |



(#) = qualifier out of range (m) = manual integration

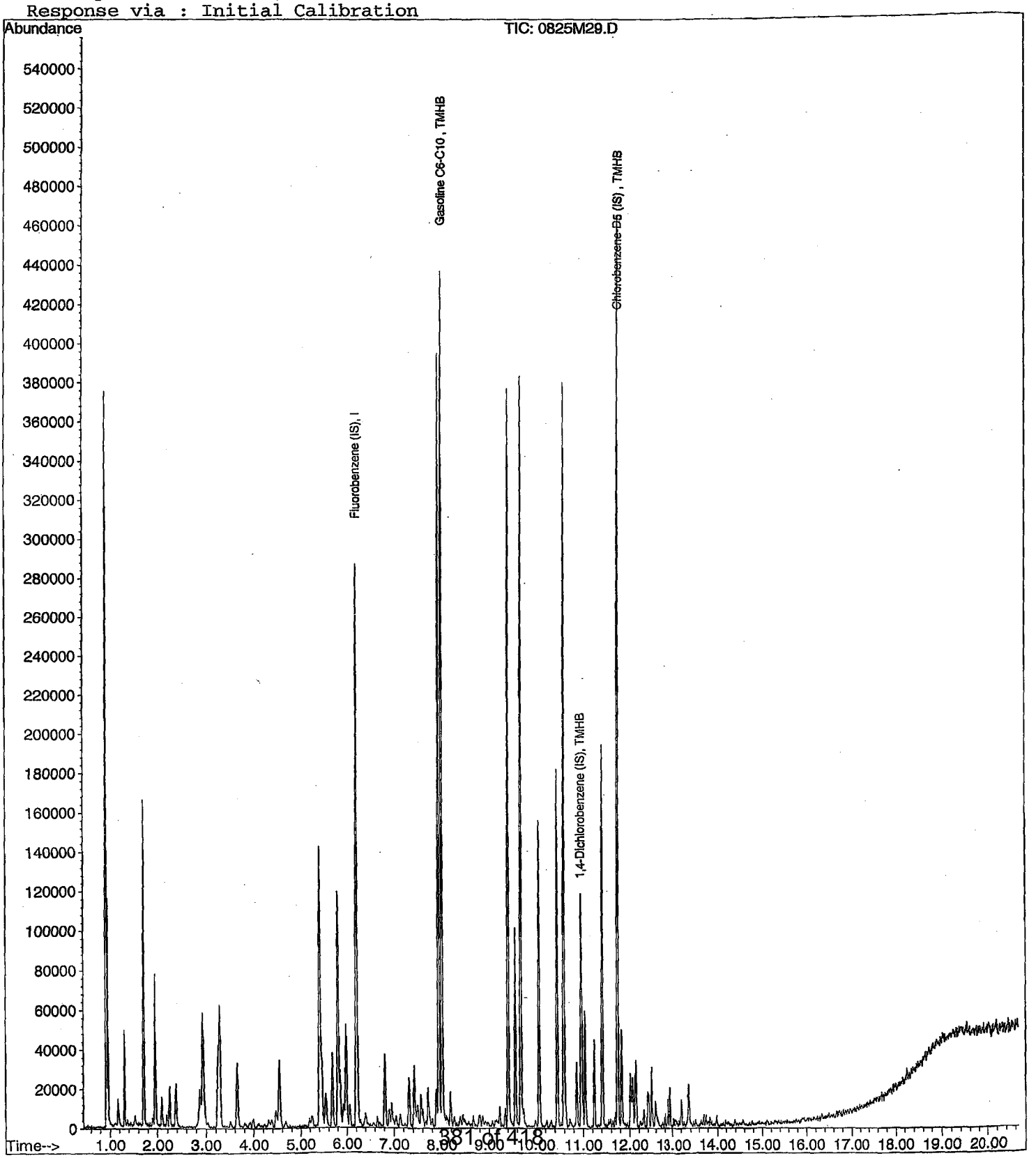
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M29.D
Acq On : 25 Aug 21 23:10
Sample : 1000ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 19
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 16:19 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

## Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix:

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M31.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | TMHB | Gasoline C6-C10 | 3.704 | 1.312 | 65 | TMHBL | 12 |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
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| 7 | | | | | | | |
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| 9 | | | | | | | |
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| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 65.0 | | |

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M31.D
Acq On : 26 Aug 21 00:06
Sample : (SS) 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.21 | TIC | 283312 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 277458m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 112772m | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 4459802m | 336.84 | ppb | 100 |



(#) = qualifier out of range (m) = manual integration

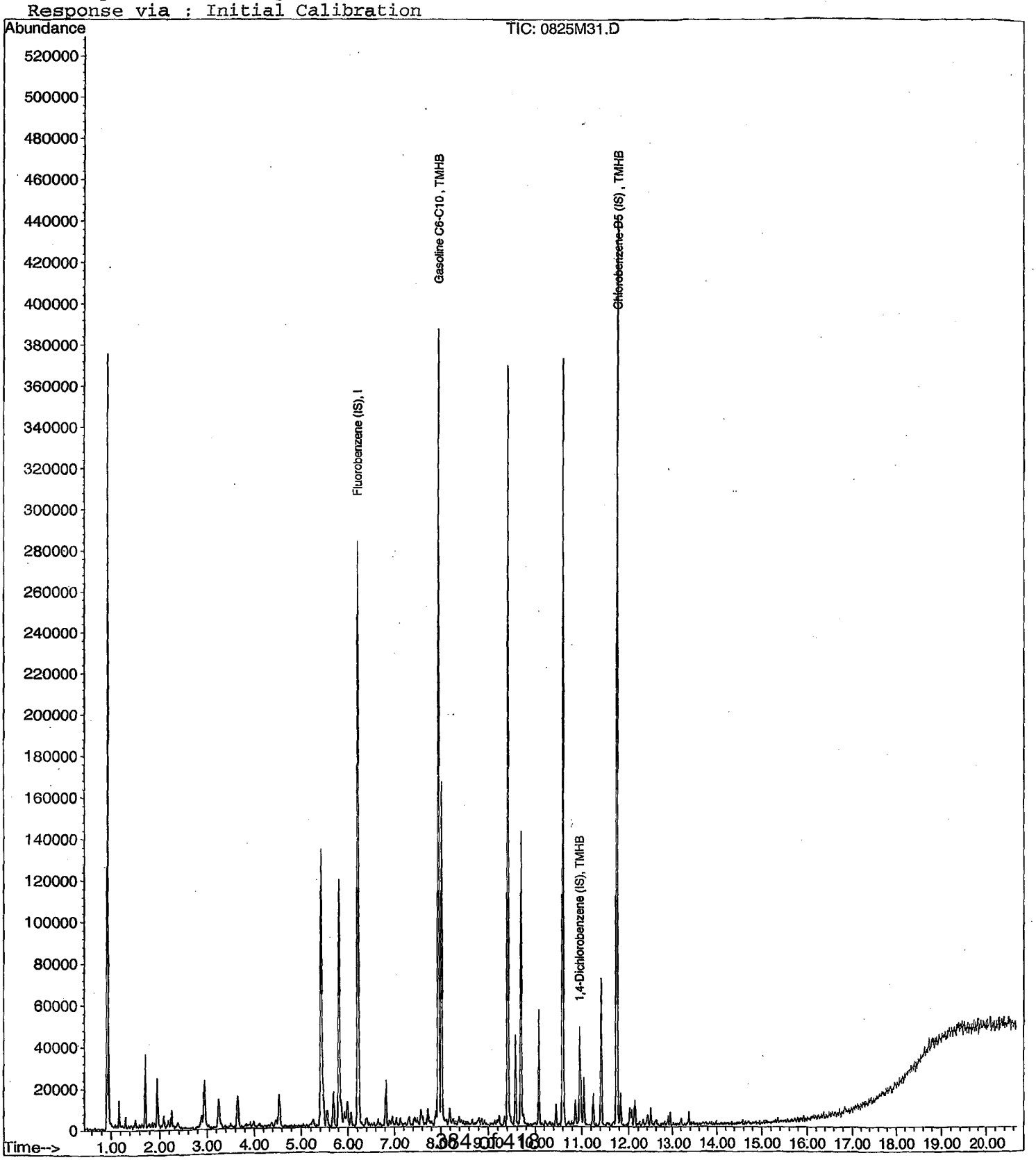
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M31.D
Acq On : 26 Aug 21 00:06
Sample : (SS) 300ug/L GAS STD 8/25/21
Misc : IS&S 6/4/21

Vial: 21
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 1 8:52 2021 Quant Results File: MGAS0825.RES

Method : M:\MAX\DATA\210825\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 11:55
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1102M07.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TMHB | Gasoline C6-C10 | 3.704 | 1.244 | 66 | TMHBL | 6.0 |
| 3 | TMHB | Chlorobenzene-D5 (IS) | ISTD | | | TMHB | |
| 4 | TMHB | 1,4-Dichlorobenzene (IS) | ISTD | | | TMHB | |
| 5 | | | | | | | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 66.0 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 11:55
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1102M07.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | S | Dibromofluoromethane(S) | 0.3015 | 0.3347 | 11 | S | |
| 3 | S | 1,2-DCA-D4(S) | 0.1981 | 0.2324 | 17 | S | |
| 4 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 5 | S | Toluene-D8(S) | 1.172 | 1.144 | 2.4 | S | |
| 6 | S | 4-Bromofluorobenzene(S) | 0.4574 | 0.4507 | 1.5 | S | |
| 7 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
| 8 | | | | | | | |
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| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 8.0 | | |

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M07.D Vial: 7
Acq On : 2 Nov 21 11:55 Operator: LP,DG,CH
Sample : 211102A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 11:22 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 414752 | 25.00 | ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1104567m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 104025m | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 10.70 | TIC | 6191436m | 282.11 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M07.D Vial: 7
Acq On : 2 Nov 21 11:55 Operator: LP,DG,CH
Sample : 211102A CCV 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 345640 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 321874 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 203950 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 115689 | 27.75 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 111.016% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 80312 | 29.32 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 117.272% | | |
| 5) Toluene-D8(S) | 8.08 | 98 | 368144 | 24.39 | ppb | 0.13 |
| Spiked Amount 25.000 | | | Recovery = | 97.560% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 145066 | 24.63 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 98.536% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

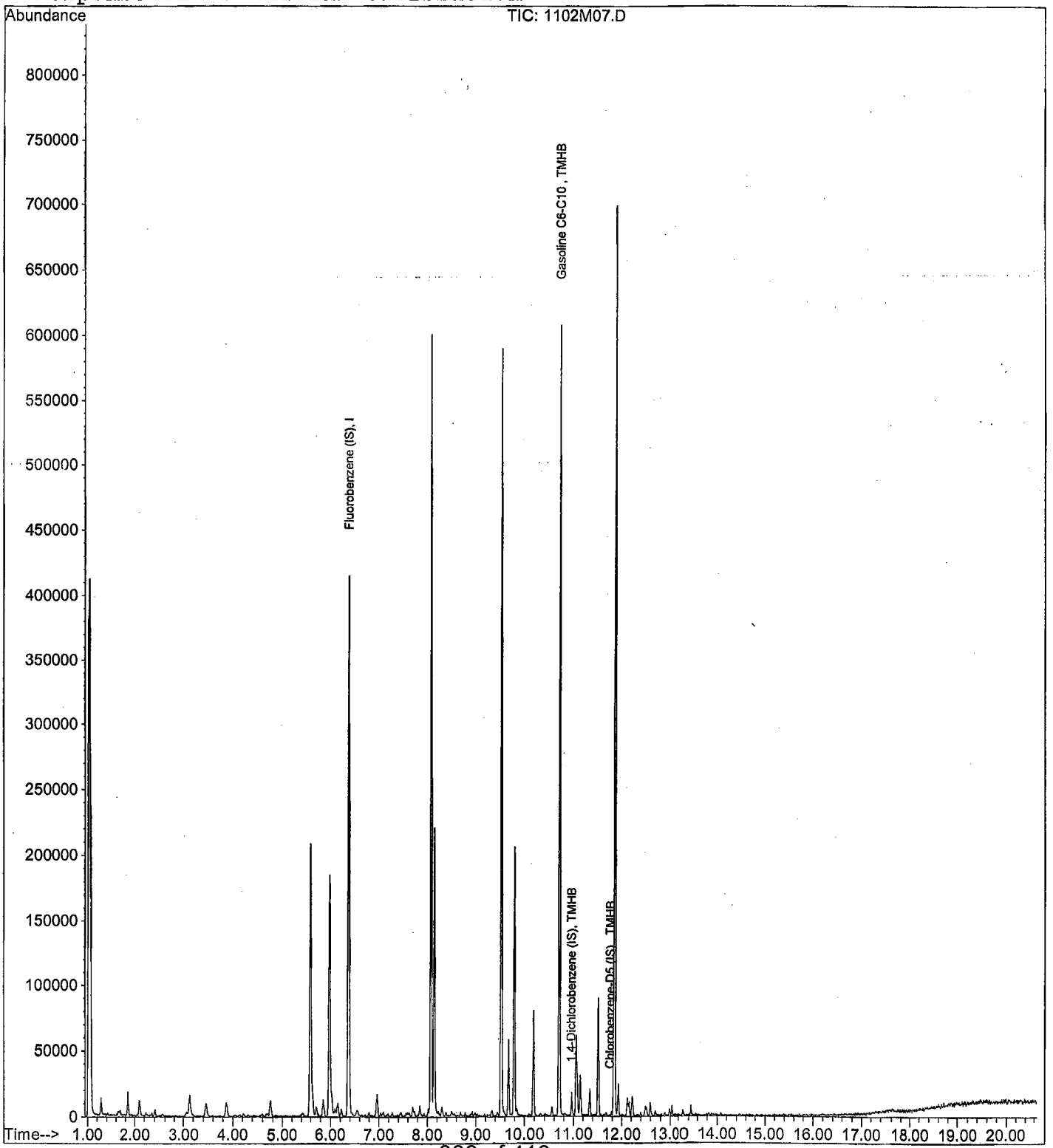
Data File : M:\MAX\DATA\211029\1102M07.D
Acq On : 2 Nov 21 11:55
Sample : 211102A CCV 300ug/L
Misc : IS&S 8/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 2 11:22 2021

Quant Results File: MGAS0825.RE

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 20:25
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1102M25.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TMHB | Gasoline C6-C10 | 3.704 | 1.233 | 67 | TMHBL | 9.0 |
| 3 | TMHB | Chlorobenzene-D5 (IS) | ISTD | | | TMHB | |
| 4 | TMHB | 1,4-Dichlorobenzene (IS) | ISTD | | | TMHB | |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 67.0 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: Water

SDG No:
Date Analyzed: 2 Nov 21 20:25
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 1102M25.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | S | Dibromofluoromethane(S) | 0.3015 | 0.3310 | 9.8 | S | |
| 3 | S | 1,2-DCA-D4(S) | 0.1981 | 0.2233 | 13 | S | |
| 4 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 5 | S | Toluene-D8(S) | 1.172 | 1.169 | 0.25 | S | |
| 6 | S | 4-Bromofluorobenzene(S) | 0.4574 | 0.4520 | 1.2 | S | |
| 7 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 6.1 | | |

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M25.D Vial: 25
Acq On : 2 Nov 21 20:25 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 11/02/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 3 6:59 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 450539 | 25.00 ppb | 0.15 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1156046m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 112252m | 25.00 ppb | 0.00 |
| System Monitoring Compounds | | | | | |
| Target Compounds | | | | | Qvalue |
| 2) Gasoline C6-C10 | 8.07 | TIC | 6664712m | 273.01 ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M25.D Vial: 25
Acq On : 2 Nov 21 20:25 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 11/02/21 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 377731 | 25.00 | ppb | 0.15 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 340196 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 218540 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 125047 | 27.45 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 109.800% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 84336 | 28.17 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 112.688% | | |
| 5) Toluene-D8(S) | 8.07 | 98 | 397835 | 24.94 | ppb | 0.12 |
| Spiked Amount 25.000 | | | Recovery = | 99.752% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 153776 | 24.71 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 98.828% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

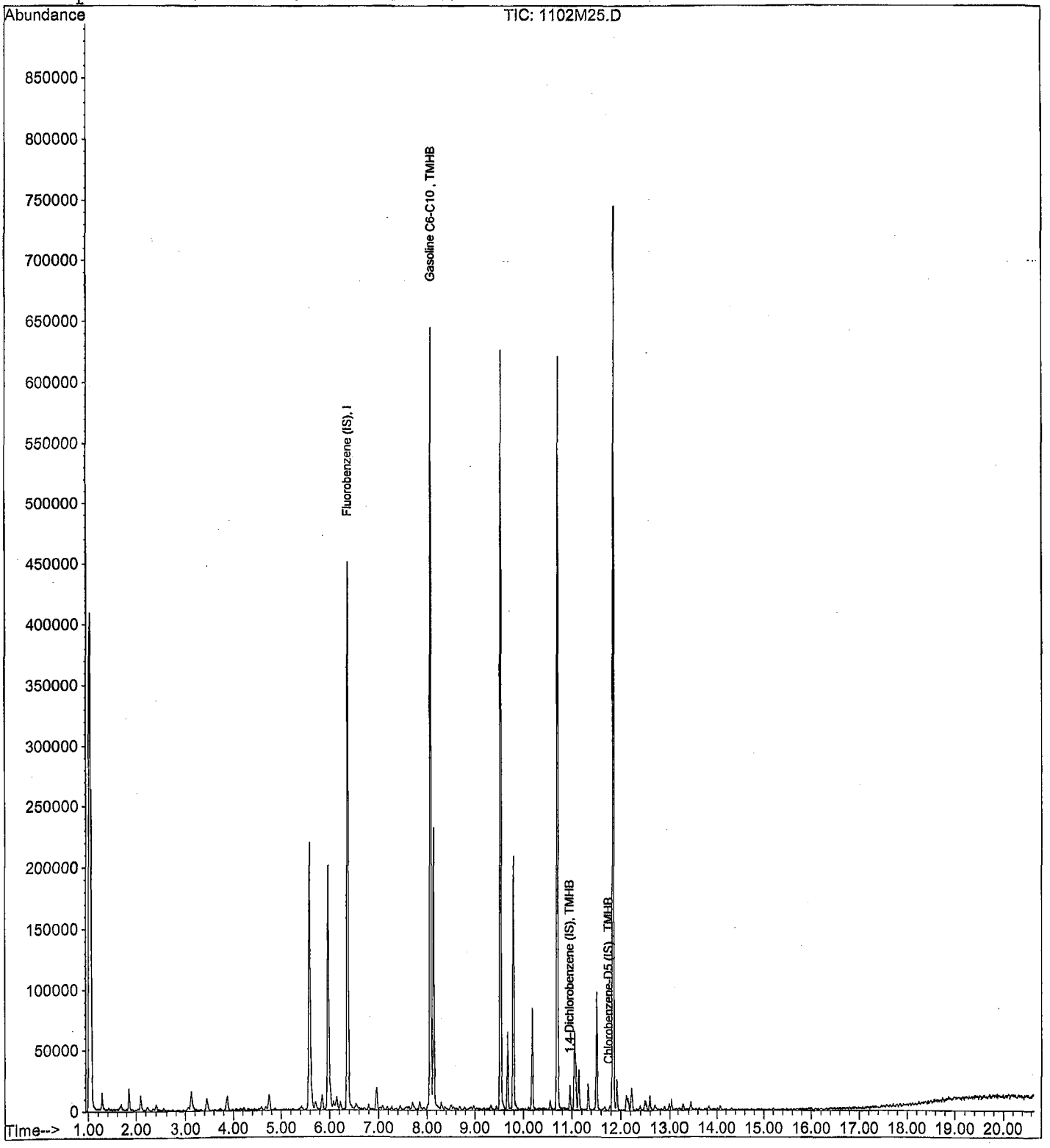
Data File : M:\MAX\DATA\211029\1102M25.D
Acq On : 2 Nov 21 20:25
Sample : Ending CCV 300ug/L 11/02/21
Misc : IS&S 8/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 3 6:59 2021

Quant Results File: MGAS0825.RES

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



# ORGANICS
# Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M14.D Vial: 14
Acq On : 2 Nov 21 15:13 Operator: LP,DG,CH
Sample : BA44375W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 4:55 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 415910 | 25.00 | ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1065965m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 7098m | 25.00 | ppb | 0.00 |

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M14.D Vial: 14
Acq On : 2 Nov 21 15:13 Operator: LP,DG,CH
Sample : BA44375W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 355100 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 326571 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 197362 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 119306 | 27.86 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 111.436% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 81176 | 28.84 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 115.376% | | |
| 5) Toluene-D8(S) | 8.07 | 98 | 375206 | 24.50 | ppb | 0.12 |
| Spiked Amount 25.000 | | | Recovery = | 98.004% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 145025 | 24.27 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 97.092% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

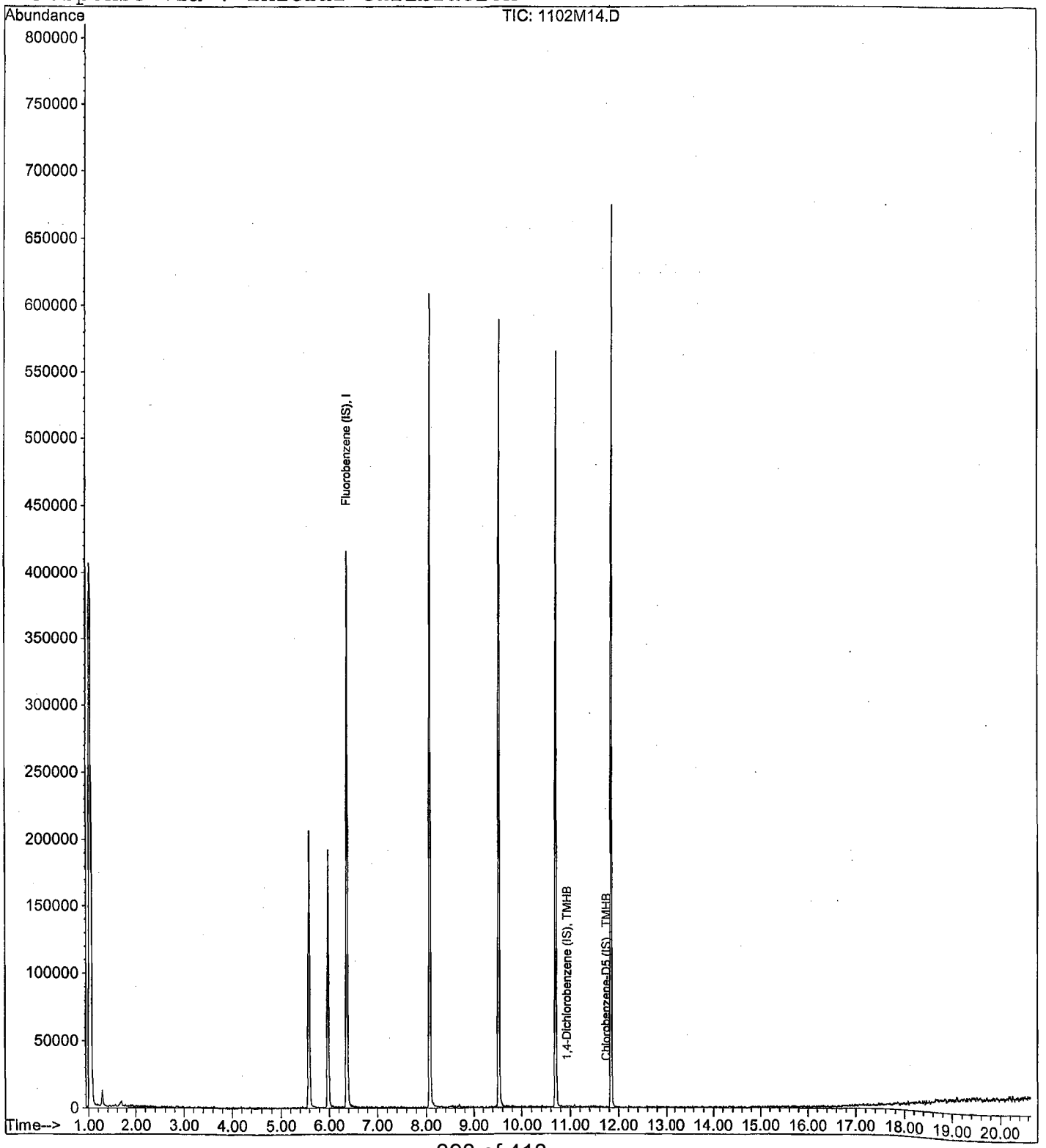
Data File : M:\MAX\DATA\211029\1102M14.D
Acq On : 2 Nov 21 15:13
Sample : BA44375W01
Misc : IS&S 8/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Dec 1 4:55 2021

Quant Results File: MGAS0825.RES

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration






1102M14.D LGAS1129.M Wed Dec 01 08:07:19 2021 Page 2

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M15.D Vial: 15
Acq On : 2 Nov 21 15:42 Operator: LP,DG,CH
Sample : BA44376W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 4:56 2021 Quant Results File: MGAS0825.RES

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 409982 | 25.00 ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1049312m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 8382m | 25.00 ppb | 0.00 |

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M15.D Vial: 15
Acq On : 2 Nov 21 15:42 Operator: LP,DG,CH
Sample : BA44376W01 Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 351100 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 313026 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 195874 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 115110 | 27.19 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 108.744% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 77072 | 27.70 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 110.792% | | |
| 5) Toluene-D8(S) | 8.07 | 98 | 367655 | 25.05 | ppb | 0.12 |
| Spiked Amount 25.000 | | | Recovery = | 100.184% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 139322 | 24.33 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 97.308% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

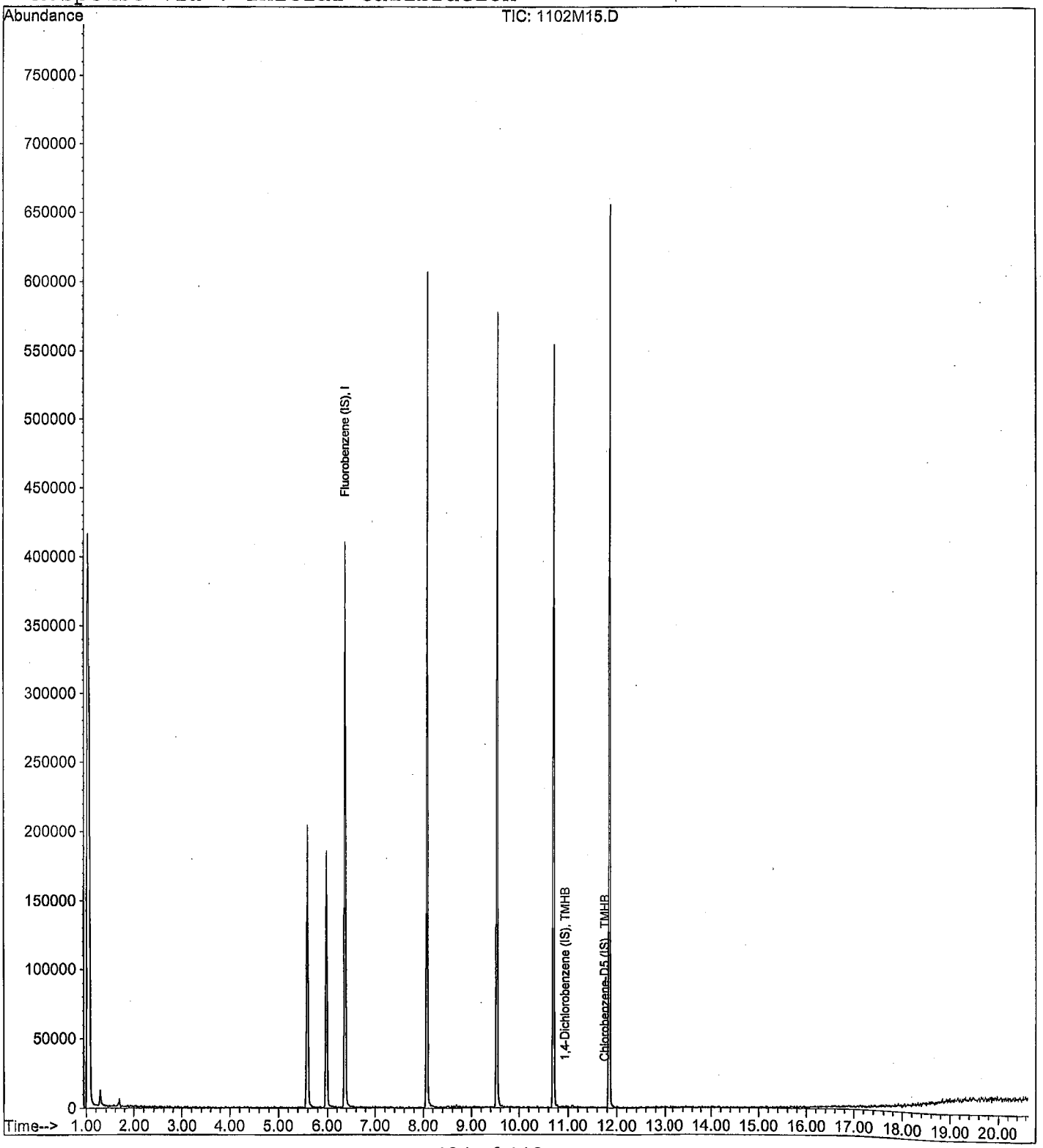
Data File : M:\MAX\DATA\211029\1102M15.D
Acq On : 2 Nov 21 15:42
Sample : BA44376W01
Misc : IS&S 8/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Dec 1 4:56 2021

Quant Results File: MGAS0825.RES

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M10.D Vial: 10
Acq On : 2 Nov 21 13:20 Operator: LP,DG,CH
Sample : 211102A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 4:53 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 440307 | 25.00 | ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1098875m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 5503m | 25.00 | ppb | 0.00 |

System Monitoring Compounds

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M10.D Vial: 10
Acq On : 2 Nov 21 13:20 Operator: LP,DG,CH
Sample : 211102A BLK Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 373873 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 340772 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 207047 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 118657 | 26.32 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = 105.264% | | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 86384 | 29.15 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = 116.616% | | | |
| 5) Toluene-D8(S) | 8.07 | 98 | 399098 | 24.97 | ppb | 0.12 |
| Spiked Amount 25.000 | | | Recovery = 99.900% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 153179 | 24.57 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = 98.276% | | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

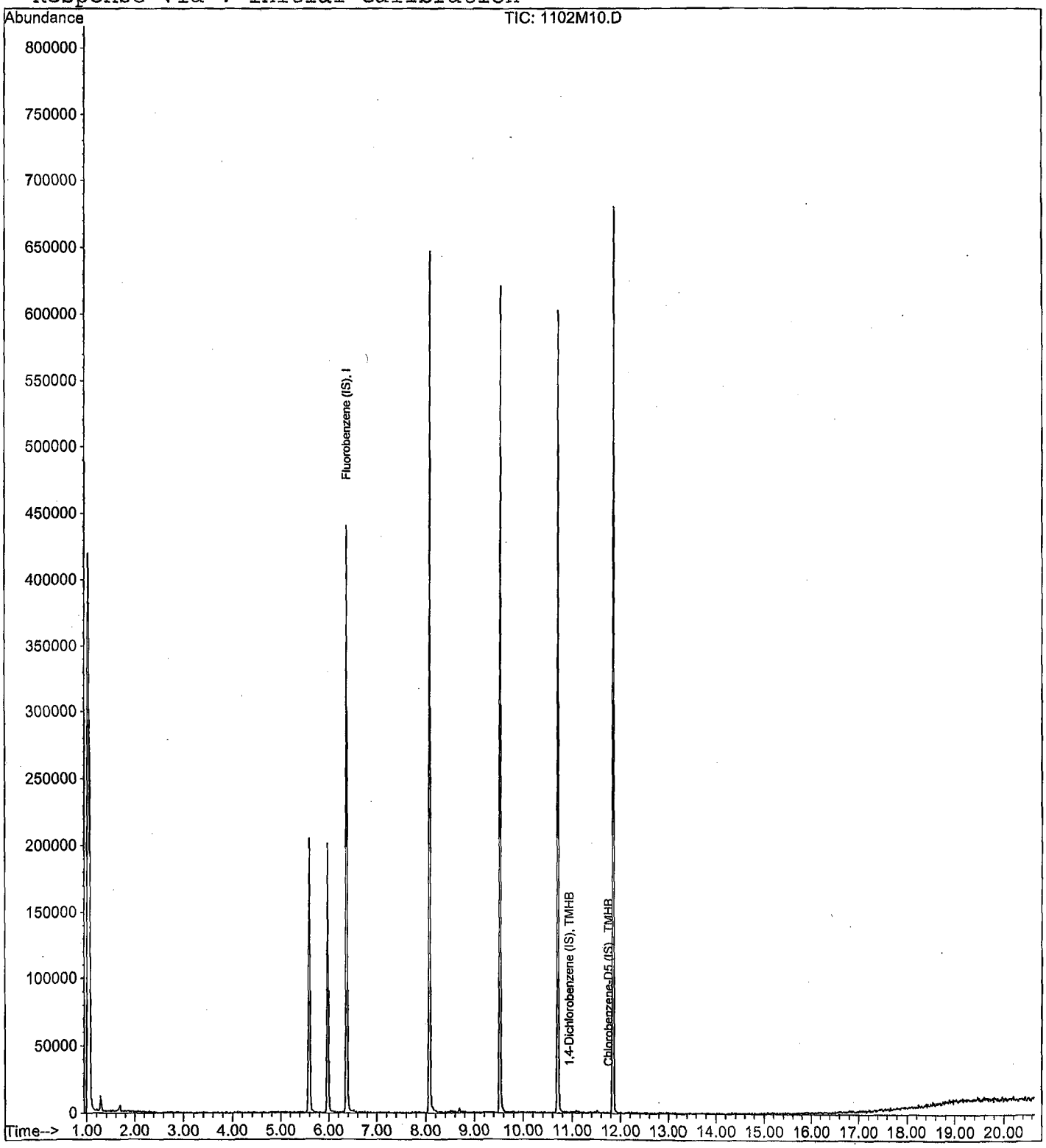
Data File : M:\MAX\DATA\211029\1102M10.D
Acq On : 2 Nov 21 13:20
Sample : 211102A BLK
Misc : IS&S 8/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Dec 1 4:53 2021

Quant Results File: MGAS0825.RE

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M08.D Vial: 8
Acq On : 2 Nov 21 12:23 Operator: LP,DG,CH
Sample : 211102A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 12:04 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 428863 | 25.00 | ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1146487m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 131055m | 25.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 8.08 | TIC | 6882893m | 357.52 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M08.D Vial: 8
Acq On : 2 Nov 21 12:23 Operator: LP,DG,CH
Sample : 211102A LCS 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RES

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 361023 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 332218 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 215706 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 121672 | 27.95 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 111.780% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 80504 | 28.14 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 112.544% | | |
| 5) Toluene-D8(S) | 8.08 | 98 | 382945 | 24.58 | ppb | 0.13 |
| Spiked Amount 25.000 | | | Recovery = | 98.324% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 152954 | 25.16 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 100.660% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

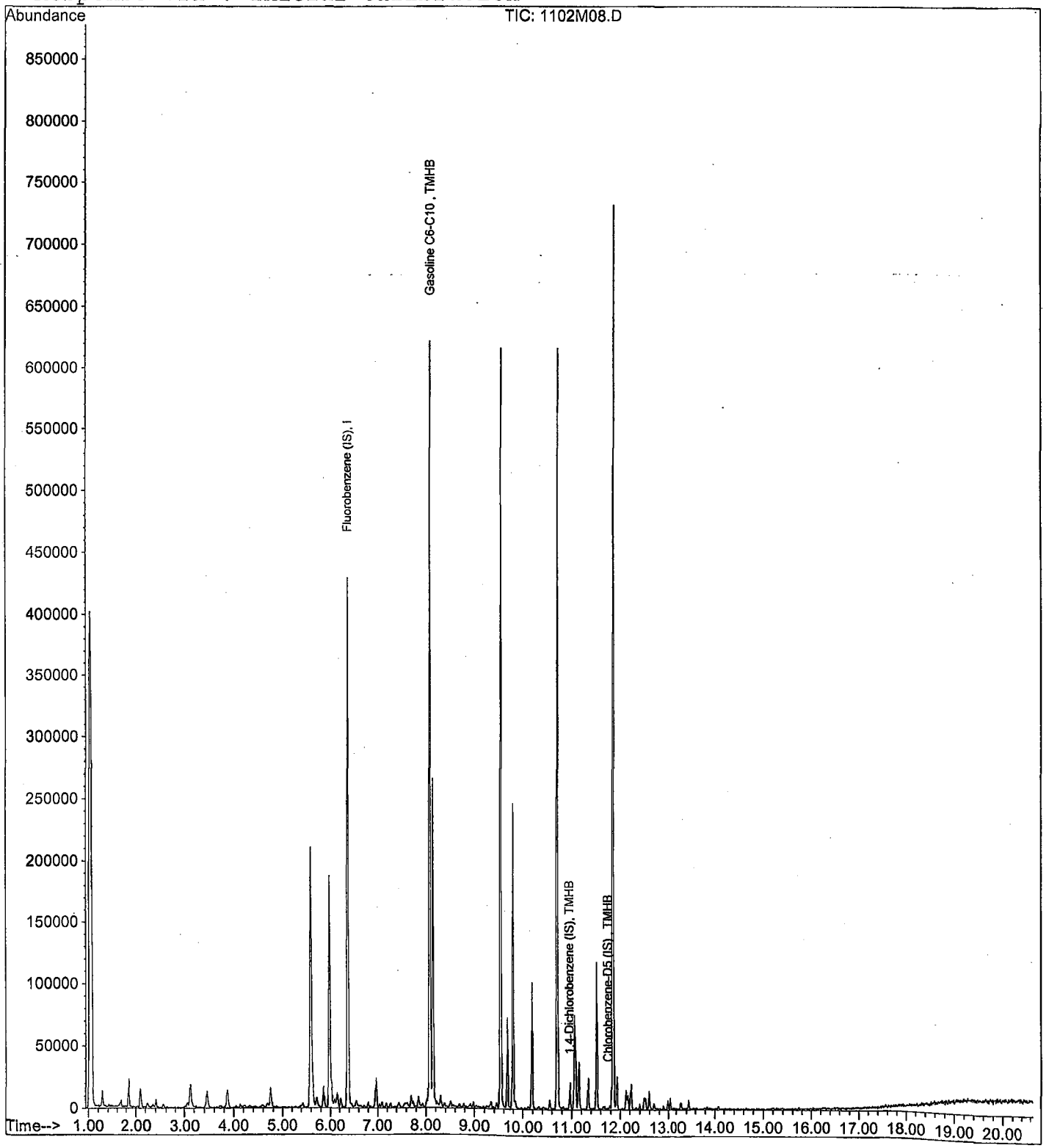
Data File : M:\MAX\DATA\211029\1102M08.D
Acq On : 2 Nov 21 12:23
Sample : 211102A LCS 300ug/L
Misc : IS&S 8/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 2 12:04 2021

Quant Results File: MGAS0825.RE

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\211029\1102M09.D Vial: 9
Acq On : 2 Nov 21 12:51 Operator: LP,DG,CH
Sample : 211102A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Nov 2 12:34 2021 Quant Results File: MGAS0825.RE

Quant Method : M:\MAX\DATA\210922\MGAS0825.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 16:19:36 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | TIC | 432417 | 25.00 | ppb | 0.16 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 1125889m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 108970m | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 9.52 | TIC | 6600182m | 304.67 | ppb | 100 |

(#) = qualifier out of range (m) = manual integration

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\211029\1102M09.D Vial: 9
Acq On : 2 Nov 21 12:51 Operator: LP,DG,CH
Sample : 211102A LCSD 300ug/L Inst : Max
Misc : IS&S 8/4/21 Multiplr: 1.00

Quant Time: Dec 1 5:32 2021 Quant Results File: M0825SUR.RE

Quant Method : M:\MAX\DATA\210922\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Fluorobenzene (IS) | 6.37 | 96 | 358214 | 25.00 | ppb | 0.16 |
| 4) Chlorobenzene-D5 (IS) | 9.52 | 117 | 326114 | 25.00 | ppb | 0.11 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.84 | 152 | 211819 | 25.00 | ppb | 0.10 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.59 | 111 | 118682 | 27.47 | ppb | 0.17 |
| Spiked Amount 25.000 | | | Recovery = | 109.888% | | |
| 3) 1,2-DCA-D4(S) | 5.98 | 65 | 80808 | 28.46 | ppb | 0.16 |
| Spiked Amount 25.000 | | | Recovery = | 113.856% | | |
| 5) Toluene-D8(S) | 8.08 | 98 | 381233 | 24.93 | ppb | 0.13 |
| Spiked Amount 25.000 | | | Recovery = | 99.716% | | |
| 6) 4-Bromofluorobenzene(S) | 10.70 | 95 | 152794 | 25.61 | ppb | 0.10 |
| Spiked Amount 25.000 | | | Recovery = | 102.436% | | |

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration

Quantitation Report

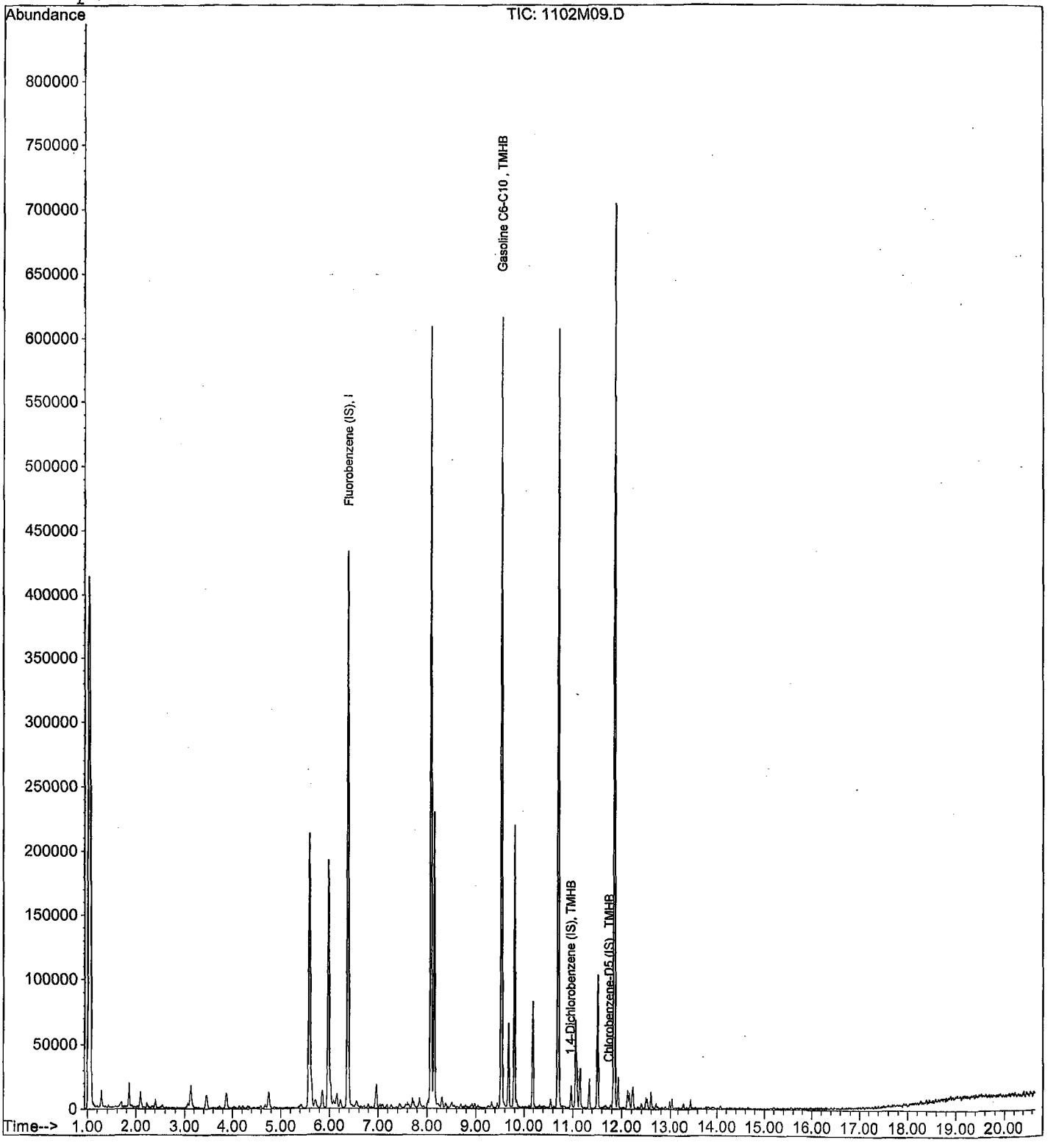
Data File : M:\MAX\DATA\211029\1102M09.D
Acq On : 2 Nov 21 12:51
Sample : 211102A LCSD 300ug/L
Misc : IS&S 8/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Nov 2 12:34 2021

Quant Results File: MGAS0825.RES

Method : M:\LOKI\DATA\211129\LGAS1129.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Tue Nov 30 10:16:55 2021
Response via : Initial Calibration



# MAX 8260 Standard Prep

## MAX 8260 Water Calibration Curve

***0.3ug/L***

**Prepared By (Initials):** CH

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 0.3ug/L | 5 | Prepared 08/24/21 | 10/23/2021 | N/A | 3uL | 50mL | P&T Water | 0.3 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 5uL | | | 5 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 2.5uL | | | 5 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 2uL | | | 10 |

***0.5ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 0.5ug/L | 5 | Prepared 08/24/21 | 10/23/2021 | N/A | 5uL | 50mL | P&T Water | 0.5 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | | | 10 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 5uL | | | 10 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 5uL | | | 25 |

***1.0ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 1.0ug/L | 5 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | 50mL | P&T Water | 1 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 20uL | | | 20 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | | | 20 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 10uL | | | 50 |

***2.0ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 9 | Various | 2.0ug/L | 5 | Prepared 08/24/21 | 10/23/2021 | N/A | 20uL | 50mL | P&T Water | 2 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 30uL | | | 30 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 15uL | | | 30 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 15uL | | | 75 |

***5ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 5ug/L | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 5uL | 50mL | P&T Water | 5 |
| VOA STD. 8 | Phenova | | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 5uL | | | 5 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 40uL | | | 40 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 20uL | | | 20 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 20uL | | | 100 |

***10ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 10ug/L | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | 50mL | P&T Water | 10 |
| VOA STD. 8 | Phenova | | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 10uL | | | 10 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 50uL | | | 50 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 25uL | | | 50 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 25uL | | | 125 |

*20ug/L*

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 20ug/L | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 20uL | 50mL | P&T Water | 20 |
| VOA STD. 8 | Phenova | | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 20uL | | | 20 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 60uL | | | 60 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 30uL | | | 60 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 30uL | | | 150 |

*40ug/L*

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 40ug/L | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 40uL | 50mL | P&T Water | 40 |
| VOA STD. 8 | Phenova | | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 40uL | | | 40 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 80uL | | | 80 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 40uL | | | 80 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 35uL | | | 175 |

*100ug/L*

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | 100ug/L | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 100uL | 50mL | P&T Water | 100 |
| VOA STD. 8 | Phenova | | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 100uL | | | 100 |
| VOA STD. 1 | Absolute | | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 100uL | | | 100 |
| VOA STD. 2 | Phenova | | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 50uL | | | 100 |
| VOA STD. TBA | Various | | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 40uL | | | 200 |

**MAX 8260 Water Second Source (SS)**

**Prepared:** 8/25/2021

**Prepared By (Initials):** CH

**Expires:** 9/8/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 3 | Phenova | 8260 Water SS | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 25uL | 50mL | P&T Water | 50 |
| VOA STD. GASES | Phenova | 8260 Water SS | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | | | 10 |
| VOA STD. 0 | Phenova | 8260 Water SS | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | | | 10 |
| VOA STD. 2-CEVE | Absolute | 8260 Water SS | 50 | Prepared 08/24/21 | 8/24/2021 | N/A | 50uL | | | 50 |
| VOA STD. 6 | Various | 8260 Water SS | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 10uL | | | 10 |
| Voa STD. TBA | Various | 8260 Water SS | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 25uL | | | 250 |

**8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)**

**Prepared:** 8/25/2021

**Prepared By (Initials):** CH

**Expires:** 8/26/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA STD. 7 | Various | CCV/ LCS | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 10uL | 50mL | P&T Water | 10 |
| VOA STD. 8 | Phenova | CCV/ LCS | 50 | Prepared 08/24/21 | 9/8/2021 | N/A | 10uL | | | 10 |
| VOA STD. 1 | Absolute | CCV/ LCS | 50 | Prepared 08/24/21 | 10/23/2021 | N/A | 50uL | | | 50 |
| VOA STD. 2 | Phenova | CCV/ LCS | 100 | Prepared 08/24/21 | 10/23/2021 | N/A | 25uL | | | 50 |
| VOA STD. TBA | Various | CCV/ LCS | 250 | Prepared 08/24/21 | 9/8/2021 | N/A | 25uL | | | 250 |

# MAX Gas Standard Prep

**Gas Primary Working Standard**

Prepared: 6/23/2021 — Prepared By (Initials): CH

Expires: 1/4/2022

Methanol Lot No.

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier P/N# | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr) | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| 50,000ug/mL Gas STD | Restek | 30205 | 50,000 | A0132443 | 1/4/2022 | 12/31/2024 | 80uL | 2mL | Methanol | 2,000 |

**Gas Second Source (SS) Working Standard**

Prepared: 3/31/2021 — Prepared By (Initials): CH

Expires: 1/31/1930

Methanol Lot No.

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier P/N# | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr) | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| Gasoline (50,000ppm) | Phenova | ALO-101543 | 50,000 | CL14915-51175 | 1/4/2022 | 1/31/1930 | 80uL | 2mL | Methanol | 2,000 |

**MAX Gas Calibration Curve**

Prepared: 8/25/2021 — Prepared By (Initials): CH

Expires: 10/24/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| VOA Gasses Standards | Phenova | 20ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 1uL | 100mL | P&T Water | 20 |
| VOA Gasses Standards | Phenova | 50ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 2.5uL | 100mL | P&T Water | 50 |
| VOA Gasses Standards | Phenova | 100ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 5uL | 100mL | P&T Water | 100 |
| VOA Gasses Standards | Phenova | 300ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 15uL | 100mL | P&T Water | 300 |
| VOA Gasses Standards | Phenova | 600ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 30uL | 100mL | P&T Water | 600 |
| VOA Gasses Standards | Phenova | 800ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 40uL | 100mL | P&T Water | 800 |
| VOA Gasses Standards | Phenova | 1,000ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 50uL | 100mL | P&T Water | 1,000 |

**Zeus Gas Second Source**

Prepared: 8/25/2021 — Prepared By (Initials): CH

Expires: 10/24/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | APPL Mix Name | Conc. (ug/mL) | Reference To APPL Prep Date | Exp. Date | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/L) |
| 50,000ug/mL Gas STD | Phenova | SS 300ug/L | 2,000 | Prepared 03/31/21 | 1/31/1930 | N/A | 15uL | 100mL | P&T Water | 300 |

**MAX Gas Continuing Calibrations/Lab Control Spikes**

Prepared: 8/25/2021 — Prepared By (Initials): CH

Expires: 8/26/2021

| Initial Standard Information | | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (QAU Label) | Supplier | Supplier P/N# | Conc. (ug/mL) | Lot Number - QA Number | Exp. Date (1 yr) | Exp. Date (Manufacturers) | Aliquot From Stock | Final Volume | Solvent | Final Standard Conc. (ug/mL) |
| VOA Gasses Standards | Phenova | 300ug/L | 2,000 | Prepared 06/23/21 | 1/4/2022 | N/A | 15uL | 100mL | P&T Water | 300 |

# Injection Log

Directory: M:\MAX\DATA\210825\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 2 | 0825M12.D | 1 | 0.3ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 15:15 |
| 2 | 3 | 0825M13.D | 1 | 0.5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 15:43 |
| 3 | 4 | 0825M14.D | 1 | 1ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 16:11 |
| 4 | 5 | 0825M15.D | 1 | 2ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 16:39 |
| 5 | 6 | 0825M16.D | 1 | 5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 17:07 |
| 6 | 7 | 0825M17.D | 1 | 10ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 17:35 |
| 7 | 8 | 0825M18.D | 1 | 20ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 18:03 |
| 8 | 9 | 0825M19.D | 1 | 40ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 18:31 |
| 9 | 10 | 0825M20.D | 1 | 100ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 18:59 |
| 10 | 13 | 0825M23.D | 1 | 20ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 20:23 |
| 11 | 14 | 0825M24.D | 1 | 50ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 20:51 |
| 12 | 15 | 0825M25.D | 1 | 100ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 21:19 |
| 13 | 16 | 0825M26.D | 1 | 300ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 21:47 |
| 14 | 17 | 0825M27.D | 1 | 600ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 22:14 |
| 15 | 18 | 0825M28.D | 1 | 800ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 22:42 |
| 16 | 19 | 0825M29.D | 1 | 1000ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 25 Aug 21 23:10 |
| 17 | 21 | 0825M31.D | 1 | (SS) 300ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 26 Aug 21 00:06 |

# Injection Log

Directory: M:\MAX\DATA\211029\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 7 | 1102M07.D | 1 | 211102A CCV 300ug/L | IS&S 8/4/21 | 2 Nov 21 11:55 |
| 2 | 8 | 1102M08.D | 1 | 211102A LCS 300ug/L | IS&S 8/4/21 | 2 Nov 21 12:23 |
| 3 | 9 | 1102M09.D | 1 | 211102A LCSD 300ug/L | IS&S 8/4/21 | 2 Nov 21 12:51 |
| 4 | 10 | 1102M10.D | 1 | 211102A BLK | IS&S 8/4/21 | 2 Nov 21 13:20 |
| 5 | 14 | 1102M14.D | 1 | BA44375W01 | IS&S 8/4/21 | 2 Nov 21 15:13 |
| 6 | 15 | 1102M15.D | 1 | BA44376W01 | IS&S 8/4/21 | 2 Nov 21 15:42 |
| 7 | 25 | 1102M25.D | 1 | Ending CCV 300ug/L 11/02/21 | IS&S 8/4/21 | 2 Nov 21 20:25 |

# INORGANIC ANALYSIS
# Calibration and Raw Data

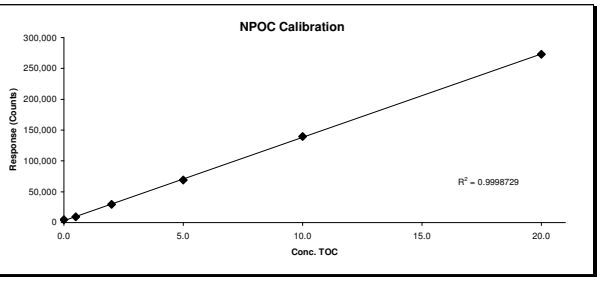
TOTAL ORGANIC CARBON

Method: WetChem | Units mg/L | Instrument: Tic Toc

Analyte: TOC | QCG: 211112A

Analyist: EA | Final Volume: 40mL

| Date | Time | Appl ID | [TOC] | Raw | % Recovery |
|---|---|---|---|---|---|
| 10/25/2021 | 19:20 | QC blank | 0.00 | 4558 | |
| 10/25/2021 | 19:56 | Ical 1 | 0.50 | 9475 | |
| 10/25/2021 | 20:28 | Ical 2 | 2.00 | 29763 | |
| 10/25/2021 | 21:02 | Ical 3 | 5.00 | 69278 | |
| 10/25/2021 | 21:35 | Ical 4 | 10.00 | 139847 | |
| 10/25/2021 | 22:08 | Ical 5 | 20.00 | 273227 | |
| 10/25/2021 | 10:03 | ICB | 0.08 | 2197 | |
| 10/25/2021 | 10:39 | ICV | 10.40 | 144915 | 105.5% |




| Date | Time | Appl ID | DF | Raw Result | SubSample Amount | Filter Blank Subtract | Calc Conc | Result | Range (mg/L) | QC True | % Recovery |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 2021-11-12 | 04:25 PM | CCB Prime | 1 | 1974 | 40mL | 0.000 | 0.058 | 0.06 | 0.13 | | |
| 2021-11-12 | 05:07 PM | QCB | 1 | 1535 | 40mL | 0.000 | 0 | 0.00 | 0.00 | | |
| 2021-11-12 | 05:49 PM | 211112A CCV/LCS 1 | 1 | 59460 | 40mL | 0.000 | 4.292 | 4.29 | 0.06 | 5.00 | 85.8% |
| 2021-11-12 | 06:32 PM | 211112A CCB/Blk 1 | 1 | 1927 | 40mL | 0.000 | 0.029 | 0.03 | 0.02 | | |
| 2021-11-12 | 07:15 PM | BA38645W01 | 1 | 81970 | 40mL | 0.000 | 5.89 | 5.89 | 0.25 | | |
| 2021-11-12 | 07:59 PM | BA38646W02 | 1 | 75473 | 40mL | 0.000 | 5.409 | 5.41 | 0.04 | | |
| 2021-11-12 | 08:43 PM | BA38647W01 | 1 | 75000 | 40mL | 0.000 | 5.373 | 5.37 | 0.11 | | |
| 2021-11-12 | 09:27 PM | BA38648W01 | 1 | 92720 | 40mL | 0.000 | 6.686 | 6.69 | 0.37 | | |
| 2021-11-12 | 10:12 PM | BA38649W01 | 1 | 79775 | 40mL | 0.000 | 5.727 | 5.73 | 0.12 | | |
| 2021-11-12 | 10:56 PM | BA42533W06 | 1 | 7951 | 40mL | 0.000 | 0.405 | 0.41 | 0.28 | | |
| 2021-11-12 | 11:38 PM | BA42534W06 | 1 | 4176 | 40mL | 0.000 | 0.126 | 0.13 | 0.03 | | |
| 2021-11-13 | 12:20 AM | BA42535W06 | 1 | 2979 | 40mL | 0.000 | 0.037 | 0.04 | 0.01 | | |
| 2021-11-13 | 01:01 AM | BA43919W01 | 1 | 12081 | 40mL | 0.000 | 0.711 | 0.71 | 0.03 | | |
| 2021-11-13 | 01:42 AM | BA44248W01 | 1 | 174969 | 40mL | 0.000 | 12.781 | 12.78 | 1.11 | | |
| 2021-11-13 | 02:24 AM | 211112A CCV/LCSD 2 | 1 | 59673 | 40mL | 0.000 | 4.308 | 4.31 | 0.17 | 5.00 | 86.2% |
| 2021-11-13 | 03:06 AM | 211112A CCB 2 | 1 | 1679 | 40mL | 0.000 | 0.011 | 0.01 | 0.03 | | |
| 2021-11-13 | 03:49 AM | BA44249W01 | 1 | 86652 | 40mL | 0.000 | 6.237 | 6.24 | 0.52 | | |
| 2021-11-13 | 05:13 AM | BA44251W01 | 1 | 91149 | 40mL | 0.000 | 6.57 | 6.57 | 0.27 | | |
| 2021-11-13 | 05:54 AM | BA44252W01 | 1 | 3235 | 40mL | 0.000 | 0.056 | 0.06 | 0.07 | | |
| 2021-11-13 | 06:35 AM | BA44253W01 | 1 | 1987 | 40mL | 0.000 | 0 | 0.00 | 0.00 | | |
| 2021-11-13 | 07:17 AM | BA44376W06 | 1 | 4607 | 40mL | 0.000 | 0.158 | 0.16 | 0.00 | | |
| 2021-11-13 | 07:58 AM | BA44459W05 | 1 | 18938 | 40mL | 0.000 | 1.219 | 1.22 | 0.14 | | |
| 2021-11-13 | 08:40 AM | BA44461W05 | 1 | 36147 | 40mL | 0.000 | 2.495 | 2.50 | 0.11 | | |
| 2021-11-13 | 09:21 AM | BA44463W05 | 1 | 25752 | 40mL | 0.000 | 1.725 | 1.73 | 0.08 | | |
| 2021-11-13 | 10:03 AM | BA44465W05 | 1 | 6196 | 40mL | 0.000 | 0.275 | 0.28 | 0.16 | | |
| 2021-11-13 | 10:44 AM | 211112A CCV 3 | 1 | 58364 | 40mL | 0.000 | 4.211 | 4.21 | 0.04 | 5.00 | 84.2% |
| 2021-11-13 | 11:26 AM | 211112A CCB 3 | 1 | 1607 | 40mL | 0.000 | 0.009 | 0.01 | 0.03 | | |
| | | | | | | 0.000 | | | | | |

**Name of Final Standard** TOC Calibration Curve — **Prep'd By (Initials)** KS

**Prep Date** 10/25/2021

**Exp Date** 10/25/2022

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Total Organic Carbon (TOC) Standard Cal 1 | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 20 uL | 40 mL | DI Water | 0.5 ppm |
| Total Organic Carbon (TOC) Standard Cal 2 | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 80 uL | 40 mL | DI Water | 2 ppm |
| Total Organic Carbon (TOC) Standard Cal 3 | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 200 uL | 40 mL | DI Water | 5 ppm |
| Total Organic Carbon (TOC) Standard Cal 4 | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 400 uL | 40 mL | DI Water | 10 ppm |
| Total Organic Carbon (TOC) Standard Cal 5 | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 800 uL | 40 mL | DI Water | 20 ppm |

**Name of Final Standard** ICV (TOC) — **Prep'd By (Initials)** KS

**Prep Date** 10/25/2021

**Exp Date** 10/25/2022

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| 1000 PPM ICV TOC Intermediate | APPL Inc. | IQC-106-5 | 1000 mg/L | 0006465171-49409 | 6/30/2021 | 400 uL | 40mL | DI Water | 10 ppm |

ICV recertified against the non-expired calibration

**Name of Final Standard** CCV (TOC) — **Prep'd By (Initials)** EA

**Prep Date** See Data

**Exp Date** 1 year

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Total Organic Carbon (TOC) Standard | Agilent | IQC-1 06-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 200 uL | 40 mL | DI Water | 5 ppm |

**Name of Final Standard** TOC_LCS/LCSD — **Prep'd By (Initials)** EA

**Prep Date** See Data

**Exp Date** 1 year

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Total Organic Carbon (TOC) Standard | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 200 uL | 40 mL | DI Water | 5 ppm |

**Name of Final Standard** TOC_MS/MSD — **Prep'd By (Initials)** EA

**Prep Date** See Data

**Exp Date** 1 year

| Initial Standard Information | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc.(range) | Lot # with QA # (or reference to APPL prep date) | Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Total Organic Carbon (TOC) Standard | Agilent | IQC-106-5 | 1000 mg/L | 0006588597-51848 | 3/31/2023 | 200 uL | 40 mL | sample | 5 ppm |