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

March 29, 2022

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 97159-rev

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:

Eight water samples were received August 13, 2021. Revised written results for the requested analyses are being provided on this March 29, 2022.

Revision: The received date was revised to the correct date.

For the 8015B analysis, B-flags were applied to the samples due to blank detections above one-half the LOQ.

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 97159
# TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

# CASE NARRATIVE

# Case Narrative

ARF: 97159

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

## Sample Receipt Information:

Eight water samples were received August 13, 2021 at 3.1°C, and 2.1°C. The sample group was assigned Analytical Request Form (ARF) number 97159.

## 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 analyzed.

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.

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:** In the 210818A method blank, Diesel and Oil were detected above one-half the LOQ. The samples were B flagged.

**EPA 8270D SIM:** One surrogate in one sample recovered below the control limit. This surrogate is not used to control the target compounds in this report.

| SDG | Received | Client ID | APPL ID | Collected DateTime | Matrix | Method | Method Description |
|---|---|---|---|---|---|---|---|
| 97159 | 8/13/2021 | ERH1583 | BA37729 | 8/12/2021 9:45:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1583 | BA37729 | 8/12/2021 9:45:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1584 | BA37730 | 8/12/2021 9:48:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1584 | BA37730 | 8/12/2021 9:48:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH WATER L-L SGC |
| 97159 | 8/13/2021 | ERH1584 | BA37730 | 8/12/2021 9:48:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1584 | BA37730 | 8/12/2021 9:48:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1584 | BA37730 | 8/12/2021 9:48:00 AM | WATER | 8270D-SIM | EPA 8270D SIM LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1584 BLANK | BA37731 | 8/12/2021 9:48:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1585 | BA37732 | 8/12/2021 10:43:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1585 | BA37732 | 8/12/2021 10:43:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1586 | BA37733 | 8/12/2021 10:47:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1586 | BA37733 | 8/12/2021 10:47:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH WATER L-L SGC |
| 97159 | 8/13/2021 | ERH1586 | BA37733 | 8/12/2021 10:47:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1586 | BA37733 | 8/12/2021 10:47:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1586 | BA37733 | 8/12/2021 10:47:00 AM | WATER | 8270D-SIM | EPA 8270D SIM LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1586 BLANK | BA37734 | 8/12/2021 10:47:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1587 | BA37735 | 8/12/2021 11:48:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1587 | BA37735 | 8/12/2021 11:48:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1588 | BA37736 | 8/12/2021 11:55:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1588 | BA37736 | 8/12/2021 11:55:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH WATER L-L SGC |
| 97159 | 8/13/2021 | ERH1588 | BA37736 | 8/12/2021 11:55:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1588 | BA37736 | 8/12/2021 11:55:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1588 | BA37736 | 8/12/2021 11:55:00 AM | WATER | 8270D-SIM | EPA 8270D SIM LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1588 BLANK | BA37737 | 8/12/2021 11:55:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1589 | BA37738 | 8/12/2021 8:32:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1589 | BA37738 | 8/12/2021 8:32:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1590 | BA37739 | 8/12/2021 8:37:00 AM | WATER | EPA 8260B | EPA 8260B BTEX WATER |
| 97159 | 8/13/2021 | ERH1590 | BA37739 | 8/12/2021 8:37:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH WATER L-L SGC |
| 97159 | 8/13/2021 | ERH1590 | BA37739 | 8/12/2021 8:37:00 AM | WATER | EPA 8015B-eHL | EPA 8015B TPH LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1590 | BA37739 | 8/12/2021 8:37:00 AM | WATER | EPA 8260B | EPA 8260B GRO WATER |
| 97159 | 8/13/2021 | ERH1590 | BA37739 | 8/12/2021 8:37:00 AM | WATER | 8270D-SIM | EPA 8270D SIM LIQ-LIQ |
| 97159 | 8/13/2021 | ERH1590 BLANK | BA37740 | 8/12/2021 8:37:00 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

97159

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 # 52718,52782
RAD Screen (Y/N): Y pH (Y/N): Y
Turn Around Type: 1 WEEK

Received by: SSE
Date Received: 08/13/21 Time: 09:35
Delivered by: FEDEX
Shuttle Custody Seals (Y/N): Y Time Zone: -10
Chest Temp(s): 3.1,2.1°C
Color: VFRG/A-Green
Samples Chilled until Placed in Refrig/Freezer: Y
Project Manager: Libby Cheesebor
QC Report Type: DVP4DOD/EQUIS/HI
Due Date: 08/20/21

Comments:
*PM: login and F1s to Margie.Pascua@aecom.com & alethea.ramos@aecom.com*
*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*
*8260: BTEX & TPH-G only; 8270 SIM: 1-methylnaphthalene, 2-methylnaphthalene & naphthalene only.*
*TPH-D/O both with and w/o SGC, reverse surrog for SGC; analyze SGC if detections. DO NOT Q-DELETE.*
*FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas@la*
*EDD: AECOMEDD to alethea.ramos@, Margie.Pascua@aecom.com, jecklund@lab-data.com*

Sample Distribution:
**GC: 4-$DOC53SGCW5LIQ, 4-$DOC53W5LIQ, 4-$SIM53LIQ51, 4-$RHBLKETBLK**
**Extractions: 4-_LIQ003, 8-_LIQ005, 4-_LIQ005SGC**
**VOA: 8-$86BTOTXDOD5W, 8-$GASBL, 8-$GRO86BW**

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. | ERH1583 | LCSD BA37729W | 08/12/21 09:45 | $86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments |
| 2. | ERH1584 | LCSD BA37730W | 08/12/21 09:48 | $86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments |
| 3. | ERH1584 BLANK | LCSD BA37731W | 08/12/21 09:48 | $RHBLKETBLK -- See Comments |
| 4. | ERH1585 | LCSD BA37732W | 08/12/21 10:43 | $86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments |

| | | | | | |
|---|---|---|---|---|---|
| 5. | ERH1586 | LCSD BA37733W | 08/12/21 | 10:47 | $86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments |
| 6. | ERH1586 BLANK | LCSD BA37734W | 08/12/21 | 10:47 | $RHBLKETBLK -- See Comments |
| 7. | ERH1587 | LCSD BA37735W | 08/12/21 | 11:48 | $86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments |
| 8. | ERH1588 | LCSD BA37736W | 08/12/21 | 11:55 | $86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments |
| 9. | ERH1588 BLANK | LCSD BA37737W | 08/12/21 | 11:55 | $RHBLKETBLK -- See Comments |
| 10. | ERH1589 | LCSD BA37738W | 08/12/21 | 08:32 | $86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments |
| 11. | ERH1590 | LCSD BA37739W | 08/12/21 | 08:37 | $86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments |
| 12. | ERH1590 BLANK | LCSD BA37740W | 08/12/21 | 08:37 | $RHBLKETBLK -- See Comments |

# APPL Sample Receipt Form

ARF# **97159**

| Sample | Container Type | Count | p |
|---|---|---|---|
| **BA37729** | [13] VOAs - HCL | 4 | NA |
| **BA37730** | [13] VOAs - HCL | 4 | NA |
| | [17] Amber Liter | 2 | NA |
| | [39] Amber Liter, HCL prsvd | 2 | 1.3 |
| **BA37731** | [39] Amber Liter, HCL prsvd | 1 | NA |
| **BA37732** | [13] VOAs - HCL | 4 | NA |
| **BA37733** | [13] VOAs - HCL | 4 | NA |
| | [17] Amber Liter | 2 | NA |
| | [39] Amber Liter, HCL prsvd | 2 | 1.3 |
| **BA37734** | [39] Amber Liter, HCL prsvd | 1 | NA |
| **BA37735** | [13] VOAs - HCL | 4 | NA |
| **BA37736** | [13] VOAs - HCL | 4 | NA |
| | [17] Amber Liter | 2 | NA |
| | [39] Amber Liter, HCL prsvd | 2 | 1.3 |
| **BA37737** | [39] Amber Liter, HCL prsvd | 1 | NA |
| **BA37738** | [13] VOAs - HCL | 4 | NA |
| **BA37739** | [13] VOAs - HCL | 4 | NA |
| | [17] Amber Liter | 2 | NA |
| | [39] Amber Liter, HCL prsvd | 2 | 1.3 |
| **BA37740** | [39] Amber Liter, HCL prsvd | 1 | NA |

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

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 97159

C.O.C. 52781 1/2

| Report to: PLEASE PRINT | Invoice to: PLEASE PRINT |
|---|---|
| Company Name: AECOM<br>1001 Bishop St., Suite 1600<br>Address: Honolulu, HI 96813<br>Attn: Alethea Ramos (808)521-3051<br>Alethea.Ramos@aecom.com<br>CV_18F0126 / 60571032 | Company Name: AECOM<br>1001 Bishop St., Suite 1600<br>Address: Honolulu, HI 96813<br>Attn: Sheree Smith (808)521-3051<br>Sheree.Smith@aecom.com<br>USAImaging@aecom.com |
| Attn: | Attn: |
| Email: | Email: |

| Project Name/Number | Sampler (Print) |
|---|---|
| CV_18F0126/60571032 | Gavin Mura |
| **Purchase Order Number** | **Sampler (Signature)** |
| 102604 | |

| Sample Identification | Location | Date Collected | Time Collected | Time Zone | No. of Containers | Matrix: Aq | Sed. | Soil | BTEX 8260 | TPH-G 8260 | TPH-D/O 8015 | TPH-D/O SGC 8015 | PAHs SIM 8270 | MS 1040 | Date Shipped: 8/12/2021<br>Carrier: FedEx<br>Waybill No.:<br>Comments: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERH1593 | Trip Blank | 8/12/21 | 0945 | HST | 4 | X | | | X | X | | | | | |
| ERH1594 | RHMW-01R | ↓ | 0948 | ↓ | 8 | X | | | X | X | X | X | X* | | |
| ERH1595 | Trip Blank | | 1043 | | 4 | X | | | X | X | | | | | |
| ERH1596 | RHMW-02 | | 1047 | | 8 | X | | | X | X | X | X | X* | | |
| ERH1597 | Trip Blank | | 1148 | | 0 | X | | | X | X | | | | | |
| ERH1598 | RHMW-03 | | 1155 | | 0 | X | | | X | X | X | X | X* | | |
| ERH1599 | Trip Blank | | 0832 | | 0 | X | | | X | X | | | | | |
| ERH1600 | RHSF | ↓ | 0837 | ↓ | 0 | X | | | X | X | X | X | X* | | |
| | WZ | 8/12/2021 | | | | | | | | | | | | | |

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TPH-D/O and PAHs need liquid-liquid extraction;
* Naphthalene
1-methylnaphthalene
2-methylnaphthalene

Shuttle Temperature: 5.0/3.1°C
R3 @ 4.0/2.1

Turnaround Requested: Check one
☐ Standard 2-3 wk ☒ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other:

Sample Disposal:
☐ Return to client ☒ Disposal by Lab (30-day retention)

| Relinquished by sampler: | Date | Time | Received by: | Relinquished by: | Date | Time | Received by: |
|---|---|---|---|---|---|---|---|
| Relinquished by: WEIFENG ZHENG | 8/12/21 | 1500 | | Relinquished by: | 8-13-21 | 935 | Received at lab by: |

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

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. 52782 2/2

| Report to: PLEASE PRINT | Invoice to: PLEASE PRINT |
|---|---|
| Company Name: AECOM<br>1001 Bishop St., Suite 1600<br>Address: Honolulu, HI 96813<br>Attn: Alethea Ramos (808)521-3051<br>Alethea.Ramos@aecom.com<br>CV_18F0126 / 60571032 | Company Name: AECOM<br>1001 Bishop St., Suite 1600<br>Address: Honolulu, HI 96813<br>Attn: Sheree Smith (808)521-3051<br>Sheree.Smith@aecom.com<br>USAImaging@aecom.com |
| Attn: | Attn: |
| Email: | Email: |

| Project Name/Number | Sampler (Print) | Purchase Order Number | Sampler (Signature) |
|---|---|---|---|
| CV_18F0126/60571032 | Gavin Mura | 102604 | |

Date Shipped: 8/12/2021
Carrier: FedEx
Waybill No.:
Comments:

| Sample Identification | Location | Date Collected | Time Collected | Time Zone | No. of Containers | Matrix: Aq | Sed. | Soil | BTEX 8260 | TPH-G 8260 | TPH-D/O Soil | TPH-D/O SGC Soils | PAHs Short list 8270D SIM | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERH1593 | Trip Blank | 8/12/21 | 0945 | HST | 0 | X | | | X | X | | | | |
| ERH1594 | RHMW-01R | | 0948 | | 0 | X | | | X | X | X | X | X* | |
| ERH1595 | Trip Blank | | 1043 | | 0 | X | | | X | X | | | | |
| ERH1596 | RHMW-02 | | 1047 | | 0 | X | | | X | X | X | X | X* | |
| ERH1597 | Trip Blank | | 1148 | | 4 | X | | | X | X | | | | |
| ERH1598 | RHMW-03 | | 1155 | | 8 | X | | | X | X | X | X | X* | |
| ERH1599 | Trip Blank | | 0832 | | 4 | X | | | X | X | | | | |
| ERH1600 | RHSF | | 0837 | | 8 | X | | | X | X | X | X | X* | TPH-D/O and PAHs need liquid-liquid extraction; |
| | | | | | | | | | | | | | | * Naphthalene<br>1-methylnaphthalene<br>2-methylnaphthalene |

WZ 8/12/2021

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| Shuttle Temperature: | Turnaround Requested: Check one<br>☐ Standard 2-3 wk ☒ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other: | Sample Disposal:<br>☐ Return to client ☒ Disposal by Lab (30-day retention) |
|---|---|---|

| Relinquished by sampler: | Date | Time | Received by: | Relinquished by: | Date | Time | Received by: |
|---|---|---|---|---|---|---|---|
| Relinquished by: WEIFENG ZHENG | 8/12/2021 | 1500 | | Relinquished by: | 8-13-21 | 935 | Received at lab by: |

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

Revised by Weifeng Zheng on 8/12/2021

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

Phone: (559) 275-2175
Fax: (559) 275-4422
eoc@appline.com

# CHAIN OF CUSTODY RECORD

C.O.C. 52781 1/2

| Report to: PLEASE PRINT | Invoice to: PLEASE PRINT |
|---|---|
| Company Name: AECOM | Company Name: AECOM |
| Address: 1001 Bishop St., Suite 1600, Honolulu, HI 96813 | Address: 1001 Bishop St., Suite 1600, Honolulu, HI 96813 |
| Attn: Alethea Ramos (808)521-3051, Alethea.Ramos@aecom.com, CV_18F0126/60571032 | Attn: Sheree Smith (808)521-3051, Sheree.Smith@aecom.com, USAImaging@aecom.com |
| Email: | Email: |

| Project Name/Number | Sampler (Print) | Purchase Order Number | Sampler (Signature) |
|---|---|---|---|
| CV_18F0126/60571032 | Garcia Mora | 102604 | |

Date Shipped: 8/12/2021
Carrier: FedEx
Waybill No.:
Comments:

| Sample Identification | Location | Date Collected | Time Collected | Time Zone | No. of Containers | Matrix: Air | Sed. | Soil | Analysis Requested/Method Number: BTEX 8260 | TPH-G 8260 | TPH-D/O 8015 | TPH-D/O SGC 8015 | PAHs 8270 SIM | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERH1593 1583 | Trip Blank | 8/12/21 | 0945 | HST | 4 | X | | | X | X | | | | | | | | | | | | | |
| ERH1594 1584 | RHMW-01R | | 0948 | | 8 | X | | | X | X | X | X | X | | | | | | | | | | |
| ERH1595 1585 | Trip Blank | | 1043 | | 4 | X | | | X | X | | | | | | | | | | | | | |
| ERH1596 1586 | RHMW-02 | | 1047 | | 8 | X | | | X | X | X | X | X | | | | | | | | | | |
| ERH1597 1587 | Trip Blank | | 1148 | | 0 | X | | | X | X | | | | | | | | | | | | | |
| ERH1598 1588 | RHMW-03 | | 1155 | | 0 | X | | | X | X | X | X | X | | | | | | | | | | |
| ERH1599 1589 | Trip Blank | | 0832 | | 0 | X | | | X | X | | | | | | | | | | | | | |
| ERH1600 1590 | RHSF | ↓ | 0837 | ↓ | 0 | X | | | X | X | X | X | X | | | | | | | | | | |
| | WZ | 8/12/2021 | | | | | | | | | | | | | | | | | | | | | |

TPH-D/O and PAHs need liquid extraction;
* Naphthalene
1-methylnaphthalene
2-methylnaphthalene

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

| Relinquished by sampler: | Date | Time | Received by: | Relinquished by: | Date | Time | Received by: |
|---|---|---|---|---|---|---|---|
| Relinquished by: WEIFENG ZHENG | Date: 8/12/21 | Time: 1100 | Received by: | Relinquished by: | Date | Time | Received at lab by: |

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

Revised by Weifeng Zhe
on 8/12/202

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

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

# CHAIN OF CUSTODY RECORD

C.O.C. 52782 2/2

**Report to:** PLEASE PRINT

Company Name: AECOM
1001 Bishop St., Suite 1600
Honolulu, HI 96813
Attn: Alethea Ramos (808)521-3051
Alethea.Ramos@aecom.com
CV_18F0126 / 60571032

Attn:

Email:

**Invoice to:** PLEASE PRINT

Company Name: AECOM
1001 Bishop St., Suite 1600
Honolulu, HI 96813
Attn: Sheree Smith (808)521-3051
Sheree.Smith@aecom.com
USAImaging@aecom.com

Attn:

Email:

Project Name/Number: CV_18F0126 / 60571032

Purchase Order Number: 102604

Sampler (Print): Gavin Mura

Sampler (Signature):

| Sample Identification | Location | Date Collected | Time Collected | Time Zone | No. of Containers | Matrix: Air | Soil | Soil | BTEX 8260 | TPH-G 8260 | TPH-D/O 8015 | TPH-D/O 8015 SGC | PAHs 8270 SIM SGC | Carbon Chain | Analysis Requested/Method Number |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ERH1593 1583 | Trip Blank | 8/12/21 | 0945 | HST | 0 | X | | | X | X | | | | | |
| ERH1594 1584 | RHMW-01R | | 0948 | | 0 | X | | | X | X | X | X | X* | | |
| ERH1595 1585 | Trip Blank | | 1043 | | 0 | X | | | X | X | | | | | |
| ERH1596 1586 | RHMW-02 | | 1047 | | 0 | X | | | X | X | X | X | X* | | |
| ERH1597 1587 | Trip Blank | | 1148 | | 4 | X | | | X | X | | | | | |
| ERH1598 1588 | RHMW-03 | | 1155 | | 8 | X | | | X | X | X | X | X* | | |
| ERH1599 1589 | Trip Blank | | 0832 | | 4 | X | | | X | X | | | | | |
| ERH1600 1590 | RHSF | ↓ | 0827 | ↓ | 8 | X | | | X | X | X | X | X* | | |

TPH-D/O and PAHs need liquid-liquid extraction;
* Naphthalene
2-methylnaphthalene

Date Shipped: 8/12/2021
Carrier: FedEx
Waybill No.:
Comments:

Shuttle Temperature:

Turnaround Requested; Check one
☐ Standard 2-3 wk ☒ One week ☐ 3 days ☐ 24/48 Hrs. ☐ Other:

Sample Disposal:
☐ Return to client ☒ Disposal by Lab (30 day retention)

| Relinquished by sampler: | Date | Time | Received by: |
|---|---|---|---|
| Relinquished by: WEIFENG ZHANG | 8/12/2021 | 1500 | Received by: |

| Relinquished by: | Date | Time | Received by: |
|---|---|---|---|
| Relinquished by: | Date | Time | Received at lab by: |

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

## COOLER RECEIPT FORM

**ARF: 97159**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage  Date Received: 08/13/21

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

3) YES Were custody seals present and intact?
How many? 4  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 CF: -1.9°C

8) Cooler temp(s): In °C. Thermometer Temp / Corrected Temp

| | | | | | |
|---|---|---|---|---|---|
| 1: 5.0/3.1 | 2: 4.0/2.1 | 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: BA37733W4
Smaller than a pea: BA37736W2-W4

**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) NO 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** 1/2
APPL, Inc. (559) 275-2175
**Initials** WZ **Date** 8/12/21

Personnel receiving samples: MS  Second reviewer: SS
Personnel labeling samples: DR
Project manager notified: MS  Date/Time of notification 08/13/21
Name of client notified:  Date/Time of notification

Revision: 22, November 5, 2013

# 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: 97159

**Sample ID: ERH1584**

**APPL ID: BA37730**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A1-268136

| 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 | 08/18/21 | 08/31/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: (R) DECANOIC ACID (S) | 0.0 | 0-1 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 72.7 | 60-142 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 61.1 | 56-125 | | | % | 08/18/21 | 08/31/21 |

| | |
|---|---|
| Quant Method: | DEC0712.M |
| Run #: | 830051 |
| Instrument: | Apollo |
| Sequence: | 210830 |
| 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: 97159

**Sample ID: ERH1584**

**APPL ID: BA37730**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A-268135

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 200 B J | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | OIL (C24-C40) | 160 B J | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 94.5 | 60-142 | | | % | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 82.1 | 56-125 | | | % | 08/18/21 | 08/24/21 |

J = Estimated value.
B = The analyte was found in a method blank, as well as in the sample.

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824009 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| 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: 97159

**Sample ID: ERH1584 BLANK**

**APPL ID: BA37731**

Sample Collection Date: 08/12/21

QCG: #RHBLK-210817A-267394

| 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 | 08/17/21 | 08/25/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 76.0 | 60-142 | | | % | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 77.2 | 56-125 | | | % | 08/17/21 | 08/25/21 |

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824020 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| Dilution Factor: | 1 |
| Initials: | KAB |

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

# 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: 97159

**Sample ID: ERH1586**

**APPL ID: BA37733**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A1-268136

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 690 | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/31/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: (R) DECANOIC ACID (S) | 0.0 | 0-1 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 94.8 | 60-142 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 79.2 | 56-125 | | | % | 08/18/21 | 08/31/21 |

Quant Method: DEC0712.M
Run #: 830052
Instrument: Apollo
Sequence: 210830
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: 97159

**Sample ID: ERH1586**

**APPL ID: BA37733**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A-268135

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 3000 B | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | OIL (C24-C40) | 480 B | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 94.6 | 60-142 | | | % | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 84.0 | 56-125 | | | % | 08/18/21 | 08/24/21 |

B = The analyte was found in a method blank, as well as in the sample.

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824010 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| 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: 97159

**Sample ID: ERH1586 BLANK**

**APPL ID: BA37734**

Sample Collection Date: 08/12/21

QCG: #RHBLK-210817A-267394

| 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 | 08/17/21 | 08/25/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 74.3 | 60-142 | | | % | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 74.0 | 56-125 | | | % | 08/17/21 | 08/25/21 |

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824021 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| Dilution Factor: | 1 |
| Initials: | KAB |

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

# 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: 97159

**Sample ID: ERH1588**

**APPL ID: BA37736**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A1-268136

| 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 | 08/18/21 | 08/31/21 |
| EPA 8015B-e | OIL (C24-C40) | 260 J | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: (R) DECANOIC ACID (S) | 0.0 | 0-1 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 83.2 | 60-142 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 67.8 | 56-125 | | | % | 08/18/21 | 08/31/21 |

J = Estimated value.

| | |
|---|---|
| Quant Method: | DEC0712.M |
| Run #: | 830053 |
| Instrument: | Apollo |
| Sequence: | 210830 |
| 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: 97159

**Sample ID: ERH1588**

**APPL ID: BA37736**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A-268135

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| EPA 8015B-e | DIESEL (C10-C24) | 350 B | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | OIL (C24-C40) | 790 B | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 93.3 | 60-142 | | | % | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 76.1 | 56-125 | | | % | 08/18/21 | 08/24/21 |

B = The analyte was found in a method blank, as well as in the sample.

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824011 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| 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: 97159

**Sample ID: ERH1588 BLANK**

**APPL ID: BA37737**

Sample Collection Date: 08/12/21

QCG: #RHBLK-210817A-267394

| 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 | 08/17/21 | 08/25/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 76.1 | 60-142 | | | % | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 77.7 | 56-125 | | | % | 08/17/21 | 08/25/21 |

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824022 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| Dilution Factor: | 1 |
| Initials: | KAB |

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

# 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: 97159

**Sample ID: ERH1590**

**APPL ID: BA37739**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A1-268136

| 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 | 08/18/21 | 08/31/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: (R) DECANOIC ACID (S) | 0.0 | 0-1 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 79.2 | 60-142 | | | % | 08/18/21 | 08/31/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 65.4 | 56-125 | | | % | 08/18/21 | 08/31/21 |

| | |
|---|---|
| Quant Method: | DEC0712.M |
| Run #: | 830054 |
| Instrument: | Apollo |
| Sequence: | 210830 |
| 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: 97159

**Sample ID: ERH1590**

**APPL ID: BA37739**

Sample Collection Date: 08/12/21

QCG: #DOC53-210818A-268135

| 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 | 08/18/21 | 08/24/21 |
| EPA 8015B-e | OIL (C24-C40) | 480 B | 320 | 300.0 | 150.0 | ug/L | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 94.9 | 60-142 | | | % | 08/18/21 | 08/24/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 79.1 | 56-125 | | | % | 08/18/21 | 08/24/21 |

B = The analyte was found in a method blank, as well as in the sample.

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824012 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| 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: 97159

**Sample ID: ERH1590 BLANK**

**APPL ID: BA37740**

Sample Collection Date: 08/12/21

QCG: #RHBLK-210817A-267394

| 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 | 08/17/21 | 08/25/21 |
| EPA 8015B-e | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: OCTACOSANE (S) | 81.2 | 60-142 | | | % | 08/17/21 | 08/25/21 |
| EPA 8015B-e | SURROGATE: ORTHO-TERPHENYL (S) | 78.8 | 56-125 | | | % | 08/17/21 | 08/25/21 |

| | |
|---|---|
| Quant Method: | DOC0823.M |
| Run #: | 824023 |
| Instrument: | Apollo |
| Sequence: | 210824 |
| Dilution Factor: | 1 |
| Initials: | KAB |

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*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: 97159

**Sample ID: ERH1584**

**APPL ID: BA37730**

Sample Collection Date: 08/12/21

QCG: #SIM53-210817A-267181

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| 8270D-SIM | 1-METHYLNAPHTHALENE | 0.088 J | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: 2-METHYLNAPHTHALEN | 86.3 | 39-114 | | | % | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: FLUORANTHENE-D10 (S | 77.5 | 58-120 | | | % | 08/17/21 | 08/20/21 |

J = Estimated value.

| | |
|---|---|
| Quant Method: | L0715.M |
| Run #: | 0809L148 |
| Instrument: | Linus |
| Sequence: | L210809 |
| Dilution Factor: | 1 |
| Initials: | LSI |

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*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: 97159

**Sample ID: ERH1586**

**APPL ID: BA37733**

Sample Collection Date: 08/12/21

QCG: #SIM53-210817A-267181

| Method | Analyte | Result | LOQ | LOD | DL | Units | Extraction Date | Analysis Date |
|---|---|---|---|---|---|---|---|---|
| 8270D-SIM | 1-METHYLNAPHTHALENE | 32 | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | 2-METHYLNAPHTHALENE | 26 | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | NAPHTHALENE | 67 | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: 2-METHYLNAPHTHALEN | 103 | 39-114 | | | % | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: FLUORANTHENE-D10 (S | 65.5 | 58-120 | | | % | 08/17/21 | 08/20/21 |

| | |
|---|---|
| Quant Method: | L0715.M |
| Run #: | 0809L149 |
| Instrument: | Linus |
| Sequence: | L210809 |
| Dilution Factor: | 1 |
| Initials: | LSI |

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*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: 97159

**Sample ID: ERH1588**

**APPL ID: BA37736**

Sample Collection Date: 08/12/21

QCG: #SIM53-210817A-267181

| 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 | 08/17/21 | 08/20/21 |
| 8270D-SIM | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: 2-METHYLNAPHTHALEN | 90.6 | 39-114 | | | % | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: FLUORANTHENE-D10 (S | 41.1 # | 58-120 | | | % | 08/17/21 | 08/20/21 |

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

| | |
|---|---|
| Quant Method: | L0715.M |
| Run #: | 0809L150 |
| Instrument: | Linus |
| Sequence: | L210809 |
| Dilution Factor: | 1 |
| Initials: | LSI |

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*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: 97159

**Sample ID: ERH1590**

**APPL ID: BA37739**

Sample Collection Date: 08/12/21

QCG: #SIM53-210817A-267181

| 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 | 08/17/21 | 08/20/21 |
| 8270D-SIM | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: 2-METHYLNAPHTHALEN | 98.0 | 39-114 | | | % | 08/17/21 | 08/20/21 |
| 8270D-SIM | SURROGATE: FLUORANTHENE-D10 (S | 96.7 | 58-120 | | | % | 08/17/21 | 08/20/21 |

| | |
|---|---|
| Quant Method: | L0715.M |
| Run #: | 0809L151 |
| Instrument: | Linus |
| Sequence: | L210809 |
| Dilution Factor: | 1 |
| Initials: | LSI |

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*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: 97159

**Sample ID: ERH1583**

**APPL ID: BA37729**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 97.8 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 99.5 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 101 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 97.8 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M41 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1584**

**APPL ID: BA37730**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 98.9 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 101 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 96.1 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 97.9 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M42 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1585**

**APPL ID: BA37732**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 98.6 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 96.4 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 103 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 95.1 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M43 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1586**

**APPL ID: BA37733**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 102 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 102 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 101 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 98.5 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M44 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1587**

**APPL ID: BA37735**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 101 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 102 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 100 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 98.8 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M45 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1588**

**APPL ID: BA37736**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 99.1 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 98.3 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 102 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 97.6 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M46 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1589**

**APPL ID: BA37738**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 99.0 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 98.5 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 106 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 96.7 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M47 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1590**

**APPL ID: BA37739**

Sample Collection Date: 08/12/21

QCG: #86BTO-210825AM-268038

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 1,2-DICHLOROETHANE- | 97.9 | 81-118 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 101 | 85-114 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: DIBROMOFLUOROMETH | 97.2 | 80-119 | | | % | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: TOLUENE-D8 (S) | 95.8 | 89-112 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M48 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | DA |

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*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: 97159

**Sample ID: ERH1583**

**APPL ID: BA37729**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 99.5 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M41 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

*Printed: 9/22/2021 8:59:49 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: 97159

**Sample ID: ERH1584**

**APPL ID: BA37730**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 101 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M42 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1585**

**APPL ID: BA37732**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 96.4 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M43 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1586**

**APPL ID: BA37733**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 102 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M44 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1587**

**APPL ID: BA37735**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 102 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M45 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1588**

**APPL ID: BA37736**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 98.3 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M46 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1589**

**APPL ID: BA37738**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 98.5 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M47 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

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*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: 97159

**Sample ID: ERH1590**

**APPL ID: BA37739**

Sample Collection Date: 08/12/21

QCG: #GRO86-210825AM-268130

| 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 | 08/26/21 | 08/26/21 |
| EPA 8260B | SURROGATE: 4-BROMOFLUOROBENZ | 101 | 85-114 | | | % | 08/26/21 | 08/26/21 |

| | |
|---|---|
| Quant Method: | MGAS0825.M |
| Run #: | 0825M48 |
| Instrument: | Max |
| Sequence: | 210825 |
| Dilution Factor: | 1 |
| Initials: | LPO |

*Printed: 9/22/2021 8:59:49 AM*

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

# QC FORMS

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/24/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: OCTACOSANE (S) | | | SURROGATE: ORTHO-TERPHENYL (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210818A-BLK | Blank | 60-142 | 98.1 | | 56-125 | 88.6 | |
| 210818A-LCS | Lab Control Spike | 60-142 | 90.0 | | 56-125 | 86.7 | |
| 210818A-LCSD | Lab Control SpikeD | 60-142 | 94.7 | | 56-125 | 91.3 | |
| BA37730 | ERH1584 | 60-142 | 94.5 | | 56-125 | 82.1 | |
| BA37733 | ERH1586 | 60-142 | 94.6 | | 56-125 | 84.0 | |
| BA37736 | ERH1588 | 60-142 | 93.3 | | 56-125 | 76.1 | |
| BA37739 | ERH1590 | 60-142 | 94.9 | | 56-125 | 79.1 | |

Comments: Batch: #DOC53-210818A

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/31/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: (R) DECANOIC ACID (S) | | | SURROGATE: OCTACOSANE (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210818A1-BLK | Blank | 0-1 | 0.0 | | 60-142 | 95.3 | |
| 210818A1-LCS | Lab Control Spike | 0-1 | 0.0 | | 60-142 | 88.7 | |
| 210818A1-LCSD | Lab Control SpikeD | 0-1 | 0.0 | | 60-142 | 79.3 | |
| BA37730 | ERH1584 | 0-1 | 0.0 | | 60-142 | 72.7 | |
| BA37733 | ERH1586 | 0-1 | 0.0 | | 60-142 | 94.8 | |
| BA37736 | ERH1588 | 0-1 | 0.0 | | 60-142 | 83.2 | |
| BA37739 | ERH1590 | 0-1 | 0.0 | | 60-142 | 79.2 | |

Comments: Batch: #DOC53-210818A1

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/31/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: ORTHO-TERPHENYL (S) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210818A1-BLK | Blank | 56-125 | 79.9 | | | | |
| 210818A1-LCS | Lab Control Spike | 56-125 | 82.0 | | | | |
| 210818A1-LCSD | Lab Control SpikeD | 56-125 | 72.7 | | | | |
| BA37730 | ERH1584 | 56-125 | 61.1 | | | | |
| BA37733 | ERH1586 | 56-125 | 79.2 | | | | |
| BA37736 | ERH1588 | 56-125 | 67.8 | | | | |
| BA37739 | ERH1590 | 56-125 | 65.4 | | | | |

Comments: Batch: #DOC53-210818A1

# EPA 8015B-eHL

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/24/2021

Matrix: WATER Instrument: Apollo

| APPL ID. | Client Sample No. | SURROGATE: OCTACOSANE (S) | | | SURROGATE: ORTHO-TERPHENYL (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210817A-BLK | Blank | 60-142 | 70.0 | | 56-125 | 75.4 | |
| 210817A-LCS | Lab Control Spike | 60-142 | 76.0 | | 56-125 | 78.0 | |
| 210817A-LCSD | Lab Control SpikeD | 60-142 | 76.0 | | 56-125 | 76.0 | |
| BA37731 | ERH1584 BLANK | 60-142 | 76.0 | | 56-125 | 77.2 | |
| BA37734 | ERH1586 BLANK | 60-142 | 74.3 | | 56-125 | 74.0 | |
| BA37737 | ERH1588 BLANK | 60-142 | 76.1 | | 56-125 | 77.7 | |
| BA37740 | ERH1590 BLANK | 60-142 | 81.2 | | 56-125 | 78.8 | |

Comments: Batch: #RHBLK-210817A

# EPA 8015B-eH

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/24/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| Blank ID: | 210818A-BLK | Time Analyzed: | 1724 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210818A-BLK | Blank | 824006 | 8/24/2021 1724 |
| 210818A-LCS | Lab Control Spike | 824007 | 8/24/2021 1752 |
| 210818A-LCSD | Lab Control SpikeD | 824008 | 8/24/2021 1821 |
| BA37730 | ERH1584 | 824009 | 8/24/2021 1850 |
| BA37733 | ERH1586 | 824010 | 8/24/2021 1918 |
| BA37736 | ERH1588 | 824011 | 8/24/2021 1947 |
| BA37739 | ERH1590 | 824012 | 8/24/2021 2015 |

Comments: Batch: #DOC53-210818A

# EPA 8015B-eH

Form 4

## Blank Summary

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/31/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210818A1-BLK Time Analyzed: 1112

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210818A1-BLK | Blank | 830048 | 8/31/2021 1112 |
| 210818A1-LCS | Lab Control Spike | 830049 | 8/31/2021 1140 |
| 210818A1-LCSD | Lab Control SpikeD | 830050 | 8/31/2021 1209 |
| BA37730 | ERH1584 | 830051 | 8/31/2021 1237 |
| BA37733 | ERH1586 | 830052 | 8/31/2021 1305 |
| BA37736 | ERH1588 | 830053 | 8/31/2021 1334 |
| BA37739 | ERH1590 | 830054 | 8/31/2021 1402 |

Comments: Batch: #DOC53-210818A1

# EPA 8015B-eH

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/24/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| Blank ID: | 210817A-BLK | Time Analyzed: | 2238 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210817A-BLK | Blank | 824017 | 8/24/2021 2238 |
| 210817A-LCS | Lab Control Spike | 824018 | 8/24/2021 2307 |
| 210817A-LCSD | Lab Control SpikeD | 824019 | 8/24/2021 2336 |
| BA37731 | ERH1584 BLANK | 824020 | 8/25/2021 0004 |
| BA37734 | ERH1586 BLANK | 824021 | 8/25/2021 0033 |
| BA37737 | ERH1588 BLANK | 824022 | 8/25/2021 0101 |
| BA37740 | ERH1590 BLANK | 824023 | 8/25/2021 0130 |

Comments: Batch: #RHBLK-210817A

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

Blank Name/QCG: **210817W-37731 - 267394**
Batch ID: #RHBLK-210817A

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 | 8/17/2021 | 8/24/2021 |
| BLANK | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 8/17/2021 | 8/24/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 70.0 | 60-142 | | | % | 8/17/2021 | 8/24/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 75.4 | 56-125 | | | % | 8/17/2021 | 8/24/2021 |

Quant Method: DOC0823.M
Run #: 824017
Instrument: Apollo
Sequence: 210824
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 9/22/2021 10:23:01 AM*

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

Blank Name/QCG: **210818W-37730 - 268135**
Batch ID: #DOC53-210818A

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) | 160 J | 320 | 300.0 | 150.0 | ug/L | 8/18/2021 | 8/24/2021 |
| BLANK | OIL (C24-C40) | 230 J | 320 | 300.0 | 150.0 | ug/L | 8/18/2021 | 8/24/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 98.1 | 60-142 | | | % | 8/18/2021 | 8/24/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 88.6 | 56-125 | | | % | 8/18/2021 | 8/24/2021 |

J = Estimated value.

Quant Method: DOC0823.M
Run #: 824006
Instrument: Apollo
Sequence: 210824
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 3/28/2022 10:01:10 AM*

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

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210818W-37730 - 268136**
Batch ID: #DOC53-210818A1

| 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 | 8/18/2021 | 8/31/2021 |
| BLANK | OIL (C24-C40) | 300.0 U | 320 | 300.0 | 150.0 | ug/L | 8/18/2021 | 8/31/2021 |
| BLANK | SURROGATE: (R) DECANOIC AC | 0.0 | 0-1 | | | % | 8/18/2021 | 8/31/2021 |
| BLANK | SURROGATE: OCTACOSANE (S) | 95.3 | 60-142 | | | % | 8/18/2021 | 8/31/2021 |
| BLANK | SURROGATE: ORTHO-TERPHEN | 79.9 | 56-125 | | | % | 8/18/2021 | 8/31/2021 |

Quant Method: DEC0712.M
Run #: 830048
Instrument: Apollo
Sequence: 210830
Initials: KAB

*GC SC-Blank-REG MDLs-DOD*
*Printed: 9/22/2021 10:23:01 AM*

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/24/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 210818A-LCS | Time Analyzed: | 1752 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210818A-BLK | Blank | 824006 | 8/24/2021 1724 |
| 210818A-LCS | Lab Control Spike | 824007 | 8/24/2021 1752 |
| 210818A-LCSD | Lab Control SpikeD | 824008 | 8/24/2021 1821 |
| BA37730 | ERH1584 | 824009 | 8/24/2021 1850 |
| BA37733 | ERH1586 | 824010 | 8/24/2021 1918 |
| BA37736 | ERH1588 | 824011 | 8/24/2021 1947 |
| BA37739 | ERH1590 | 824012 | 8/24/2021 2015 |

Comments: Batch: #DOC53-210818A

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/31/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 210818A1-LCS | Time Analyzed: | 1140 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210818A1-BLK | Blank | 830048 | 8/31/2021 1112 |
| 210818A1-LCS | Lab Control Spike | 830049 | 8/31/2021 1140 |
| 210818A1-LCSD | Lab Control SpikeD | 830050 | 8/31/2021 1209 |
| BA37730 | ERH1584 | 830051 | 8/31/2021 1237 |
| BA37733 | ERH1586 | 830052 | 8/31/2021 1305 |
| BA37736 | ERH1588 | 830053 | 8/31/2021 1334 |
| BA37739 | ERH1590 | 830054 | 8/31/2021 1402 |

Comments: Batch: #DOC53-210818A1

# EPA 8015B-eH

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/24/2021 |
| Matrix: | WATER | Instrument: | Apollo |
| LCS ID: | 210817A-LCS | Time Analyzed: | 2307 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210817A-BLK | Blank | 824017 | 8/24/2021 2238 |
| 210817A-LCS | Lab Control Spike | 824018 | 8/24/2021 2307 |
| 210817A-LCSD | Lab Control SpikeD | 824019 | 8/24/2021 2336 |
| BA37731 | ERH1584 BLANK | 824020 | 8/25/2021 0004 |
| BA37734 | ERH1586 BLANK | 824021 | 8/25/2021 0033 |
| BA37737 | ERH1588 BLANK | 824022 | 8/25/2021 0101 |
| BA37740 | ERH1590 BLANK | 824023 | 8/25/2021 0130 |

Comments: Batch: #RHBLK-210817A

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

APPL ID: **210818W-37730 LCS - 268135**
Batch ID: #DOC53-210818A

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 | 1740 | 1890 | 87.0 | 94.5 | 36-132 | 8.3 | 30 |
| OIL (C24-C40) | 2000 | 1630 | 1760 | 81.5 | 88.0 | 41-113 | 7.7 | 30 |
| SURROGATE: OCTACOSANE (S) | 150 | 135 | 142 | 90.0 | 94.7 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 130 | 137 | 86.7 | 91.3 | 56-125 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DOC0823.M | DOC0823.M |
| Extraction Date : | 8/18/2021 | 8/18/2021 |
| Analysis Date : | 8/24/2021 | 8/24/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 824007 | 824008 |
| Initials : | KAB | |

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

APPL ID: **210818W-37730 LCS - 268136**
Batch ID: #DOC53-210818A1

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 | 1480 | 1260 | 74.0 | 63.0 | 36-132 | 16.1 | 30 |
| OIL (C24-C40) | 2000 | 1620 | 1490 | 81.0 | 74.5 | 41-113 | 8.4 | 30 |
| SURROGATE: (R) DECANOIC ACID (S) | 10.00 | 0 | 0 | 0.0 | 0.0 | 0-1 | | |
| SURROGATE: OCTACOSANE (S) | 150 | 133 | 119 | 88.7 | 79.3 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 123 | 109 | 82.0 | 72.7 | 56-125 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DEC0712.M | DEC0712.M |
| Extraction Date : | 8/18/2021 | 8/18/2021 |
| Analysis Date : | 8/31/2021 | 8/31/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 830049 | 830050 |
| Initials : | KAB | |



*Printed: 9/22/2021 10:22:40 AM*
*APPL Standard LCSD*

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

APPL ID: **210817W-37731 LCS - 267394**
Batch ID: #RHBLK-210817A

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 | 41.8 | 18.8 | NA | NA | 36-132 | | 30 |
| OIL (C24-C40) | 0 | 96.4 | 73.5 | NA | NA | 41-113 | | 30 |
| SURROGATE: OCTACOSANE (S) | 150 | 114 | 114 | 76.0 | 76.0 | 60-142 | | |
| SURROGATE: ORTHO-TERPHENYL (S) | 150 | 117 | 114 | 78.0 | 76.0 | 56-125 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | DOC0823.M | DOC0823.M |
| Extraction Date : | 8/17/2021 | 8/17/2021 |
| Analysis Date : | 8/24/2021 | 8/24/2021 |
| Instrument : | Apollo | Apollo |
| Run : | 824018 | 824019 |
| Initials : | KAB | |

# 8270D-SIM

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/20/2021

Matrix: WATER Instrument: Linus

| APPL ID. | Client Sample No. | SURROGATE: 2-METHYLNAPHTHALENE-D10 (S) | | | SURROGATE: FLUORANTHENE-D10 (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210817A-BLK | Blank | 39-114 | 94.3 | | 58-120 | 94.6 | |
| 210817A-LCS | Lab Control Spike | 39-114 | 109 | | 58-120 | 107 | |
| BA37730 | ERH1584 | 39-114 | 86.3 | | 58-120 | 77.5 | |
| BA37733 | ERH1586 | 39-114 | 103 | | 58-120 | 65.5 | |
| BA37736 | ERH1588 | 39-114 | 90.6 | | 58-120 | 41.1 | # |
| BA37739 | ERH1590 | 39-114 | 98.0 | | 58-120 | 96.7 | |
| 210817A-LCSD | Lab Control SpikeD | 39-114 | 106 | | 58-120 | 94.8 | |

Comments: Batch: #SIM53-210817A

# = Recovery outside of Control Limits on Sample.

# 8270D-SIM

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/20/2021 |
| Matrix: | WATER | Instrument: | Linus |
| Blank ID: | 210817A-BLK | Time Analyzed: | 1235 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210817A-BLK | Blank | 0809L145 | 8/20/2021 1235 |
| 210817A-LCS | Lab Control Spike | 0809L146 | 8/20/2021 1258 |
| BA37730 | ERH1584 | 0809L148 | 8/20/2021 1342 |
| BA37733 | ERH1586 | 0809L149 | 8/20/2021 1404 |
| BA37736 | ERH1588 | 0809L150 | 8/20/2021 1426 |
| BA37739 | ERH1590 | 0809L151 | 8/20/2021 1448 |
| 210817A-LCSD | Lab Control SpikeD | 0809L191 | 8/24/2021 1342 |

Comments: Batch: #SIM53-210817A

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

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210817W-37730 - 267181**
Batch ID: #SIM53-210817A

| 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 | 8/17/2021 | 8/20/2021 |
| BLANK | 2-METHYLNAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 8/17/2021 | 8/20/2021 |
| BLANK | NAPHTHALENE | 0.10 U | 0.2 | 0.10 | 0.04 | ug/L | 8/17/2021 | 8/20/2021 |
| BLANK | SURROGATE: 2-METHYLNAPHT | 94.3 | 39-114 | | | % | 8/17/2021 | 8/20/2021 |
| BLANK | SURROGATE: FLUORANTHENE- | 94.6 | 58-120 | | | % | 8/17/2021 | 8/20/2021 |

Quant Method:L0715.M
Run #:0809L145
Instrument:Linus
Sequence:L210809
Initials:LSI

*GC SC-Blank-REG MDLs-DOD*
*Printed: 8/24/2021 4:11:54 PM*

# 8270D-SIM

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/20/2021 |
| Matrix: | WATER | Instrument: | Linus |
| LCS ID: | 210817A-LCS | Time Analyzed: | 1258 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210817A-BLK | Blank | 0809L145 | 8/20/2021 1235 |
| 210817A-LCS | Lab Control Spike | 0809L146 | 8/20/2021 1258 |
| BA37730 | ERH1584 | 0809L148 | 8/20/2021 1342 |
| BA37733 | ERH1586 | 0809L149 | 8/20/2021 1404 |
| BA37736 | ERH1588 | 0809L150 | 8/20/2021 1426 |
| BA37739 | ERH1590 | 0809L151 | 8/20/2021 1448 |
| 210817A-LCSD | Lab Control SpikeD | 0809L191 | 8/24/2021 1342 |

Comments: Batch: #SIM53-210817A

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

APPL ID: **210817W-37730 LCS - 267181**
Batch ID: #SIM53-210817A

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 | 5.59 | 5.60 | 112 | 112 | 41-115 | 0.18 | 20 |
| 2-METHYLNAPHTHALENE | 5.00 | 5.66 | 5.63 | 113 | 113 | 39-114 | 0.53 | 20 |
| NAPHTHALENE | 5.00 | 5.60 | 5.49 | 112 | 110 | 43-114 | 2.0 | 20 |
| SURROGATE: 2-METHYLNAPHTHALEN | 5.00 | 5.45 | 5.30 | 109 | 106 | 39-114 | | |
| SURROGATE: FLUORANTHENE-D10 (S) | 5.00 | 5.37 | 4.74 | 107 | 94.8 | 58-120 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | L0715.M | L0715.M |
| Extraction Date : | 8/17/2021 | 8/17/2021 |
| Analysis Date : | 8/20/2021 | 8/24/2021 |
| Instrument : | Linus | Linus |
| Run : | 0809L146 | 0809L191 |
| Initials : | LSI | |

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0715L003.D

SDG No:
Date Analyzed: 7/15/2021
Instrument: Linus
Time Analyzed: 8:48

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 0.1 SIM 07/08/21 | 0715L004.D | 7/15/2021 9:04 |
| 2 | | 0.2 SIM 07/08/21 | 0715L005.D | 7/15/2021 9:26 |
| 3 | | 0.5 SIM 07/08/21 | 0715L006.D | 7/15/2021 9:48 |
| 4 | | 1 SIM 07/08/21 | 0715L007.D | 7/15/2021 10:10 |
| 5 | | 5 SIM 07/08/21 | 0715L008.D | 7/15/2021 10:32 |
| 6 | | 10 SIM 07/08/21 | 0715L009.D | 7/15/2021 10:55 |
| 7 | | 50 SIM 07/08/21 | 0715L010.D | 7/15/2021 11:17 |
| 8 | | 100 SIM 07/08/21 | 0715L011.D | 7/15/2021 11:39 |
| 9 | | SS SIM 07/08/21 | 0715L012.D | 7/15/2021 12:01 |
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| m/e | | |
|---|---|---|
| 51 | 9.95 - 80.1% of mass 198 | 59.2 |
| 68 | 0 - 2.05% of mass 69 | 0.0 |
| 70 | 0 - 2% of mass 69 | 0.5 |
| 127 | 10 - 80% of mass 198 | 61.7 |
| 197 | 0 - 2% of mass 198 | 0.0 |
| 198 | 100 - 100% of mass 198 | 100.0 |
| 199 | 5 - 9% of mass 198 | 6.6 |
| 275 | 10 - 60% of mass 198 | 20.7 |
| 365 | 1 - 100% of mass 198 | 3.2 |
| 441 | 0.01 - 24% of mass 442 | 17.9 |
| 442 | 50 - 500% of mass 198 | 56.6 |
| 443 | 15 - 24% of mass 442 | 19.1 |

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97159
Case No: 97159 Date Analyzed: 8/20/2021
Matrix: Water Instrument: Linus
ID: 0809L136.D Time Analyzed: 9:22

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 5 SIM 07/08/21 (2) | 0809L137.D | 8/20/2021 9:38 |
| 2 | Blank | 210817A BLK 1/1000 | 0809L145.D | 8/20/2021 12:35 |
| 3 | Lab Control Spike | 210817A LCS-1 1/1000 | 0809L146.D | 8/20/2021 12:58 |
| 4 | ERH1584 | BA37730W06 1/850 | 0809L148.D | 8/20/2021 13:42 |
| 5 | ERH1586 | BA37733W06 1/850 | 0809L149.D | 8/20/2021 14:04 |
| 6 | ERH1588 | BA37736W05 1/850 | 0809L150.D | 8/20/2021 14:26 |
| 7 | ERH1590 | BA37739W06 1/850 | 0809L151.D | 8/20/2021 14:48 |
| 8 | | 5 SIM 07/08/21 (4) | 0809L152.D | 8/20/2021 15:11 |
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| 22 | | | | |

| m/e | | |
|---|---|---|
| 51 | 9.95 - 80.1% of mass 198 | 55.9 |
| 68 | 0 - 2.05% of mass 69 | 0.0 |
| 70 | 0 - 2% of mass 69 | 0.4 |
| 127 | 10 - 80% of mass 198 | 63.2 |
| 197 | 0 - 2% of mass 198 | 0.0 |
| 198 | 100 - 100% of mass 198 | 100.0 |
| 199 | 5 - 9% of mass 198 | 6.6 |
| 275 | 10 - 60% of mass 198 | 19.7 |
| 365 | 1 - 100% of mass 198 | 2.7 |
| 441 | 0.01 - 24% of mass 442 | 18.9 |
| 442 | 50 - 500% of mass 198 | 54.4 |
| 443 | 15 - 24% of mass 442 | 20.0 |

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No:
Matrix: Water
ID: 0809L189.D

SDG No:
Date Analyzed: 8/24/2021
Instrument: Linus
Time Analyzed: 13:03

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 5 SIM 07/08/21 (2) | 0809L190.D | 8/24/2021 13:19 |
| 2 | Lab Control SpikeD | 210817A LCSD-1 1/100 | 0809L191.D | 8/24/2021 13:42 |
| 3 | | 5 SIM 07/08/21 (4) | 0809L210.D | 8/24/2021 20:43 |
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| m/e | | |
|---|---|---|
| 51 | 9.95 - 80.1% of mass 198 | 64.5 |
| 68 | 0 - 2.05% of mass 69 | 0.0 |
| 70 | 0 - 2% of mass 69 | 0.7 |
| 127 | 10 - 80% of mass 198 | 65.5 |
| 197 | 0 - 2% of mass 198 | 0.0 |
| 198 | 100 - 100% of mass 198 | 100.0 |
| 199 | 5 - 9% of mass 198 | 7.2 |
| 275 | 10 - 60% of mass 198 | 19.1 |
| 365 | 1 - 100% of mass 198 | 2.6 |
| 441 | 0.01 - 24% of mass 442 | 19.5 |
| 442 | 50 - 500% of mass 198 | 51.9 |
| 443 | 15 - 24% of mass 442 | 19.5 |

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0809L137.D Date Analyzed: 08/20/21

Instrument ID: Linus Time Analyzed: 9:38

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 | 44015 | 4.03 | 20925 | 6.04 | 33408 | 7.76 |
| | UPPER LIMIT | 88030 | 4.20 | 41850 | 6.21 | 66816 | 7.93 |
| | LOWER LIMIT | 22008 | 3.86 | 10463 | 5.87 | 16704 | 7.59 |
| | SAMPLE NO. | | | | | | |
| 01 | 210817A BLK 1/1000 | 26420 | 4.05 | 13009 | 6.04 | 25929 | 7.76 |
| 02 | 210817A LCS-1 1/1000 | 25942 | 4.03 | 13020 | 6.04 | 24652 | 7.76 |
| 03 | BA37730W06 1/850 | 32556 | 4.05 | 16861 | 6.04 | 29332 | 7.76 |
| 04 | BA37733W06 1/850 | 30537 | 4.03 | 16693 | 6.04 | 28920 | 7.76 |
| 05 | BA37736W05 1/850 | 28911 | 4.05 | 14804 | 6.04 | 28228 | 7.76 |
| 06 | BA37739W06 1/850 | 29757 | 4.05 | 14826 | 6.04 | 27736 | 7.76 |
| 07 | 5 SIM 07/08/21 (4) | 44177 | 4.03 | 21031 | 6.04 | 34047 | 7.76 |
| 08 | | | | | | | |
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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.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0809L137.D Date Analyzed: 08/20/21

Instrument ID: Linus Time Analyzed: 9:38

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

| | | Chrysene-D12(IS) | | Perylene-D12(IS) | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 50603 | 10.86 | 43130 | 13.25 | | |
| | UPPER LIMIT | 101206 | 11.03 | 86260 | 13.42 | | |
| | LOWER LIMIT | 25302 | 10.69 | 21565 | 13.08 | | |
| | SAMPLE NO. | | | | | | |
| 01 | 210817A BLK 1/1000 | 41666 | 10.87 | 37263 | 13.25 | | |
| 02 | 210817A LCS-1 1/1000 | 39111 | 10.87 | 35493 | 13.25 | | |
| 03 | BA37730W06 1/850 | 45835 | 10.87 | 41438 | 13.25 | | |
| 04 | BA37733W06 1/850 | 43368 | 10.87 | 39057 | 13.25 | | |
| 05 | BA37736W05 1/850 | 44620 | 10.87 | 41231 | 13.25 | | |
| 06 | BA37739W06 1/850 | 45078 | 10.87 | 40748 | 13.25 | | |
| 07 | 5 SIM 07/08/21 (4) | 53254 | 10.87 | 47401 | 13.25 | | |
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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.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0809L190.D Date Analyzed: 08/24/21

Instrument ID: Linus Time Analyzed: 13:19

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 | 45789 | 4.03 | 21861 | 6.04 | 34396 | 7.76 |
| | UPPER LIMIT | 91578 | 4.20 | 43722 | 6.21 | 68792 | 7.93 |
| | LOWER LIMIT | 22895 | 3.86 | 10931 | 5.87 | 17198 | 7.59 |
| | SAMPLE NO. | | | | | | |
| 01 | 210817A LCSD-1 1/100 | 24389 | 4.03 | 13934 | 6.04 | 24627 | 7.76 |
| 02 | 5 SIM 07/08/21 (4) | 42895 | 4.03 | 20246 | 6.04 | 32343 | 7.76 |
| 03 | | | | | | | |
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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.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0809L190.D Date Analyzed: 08/24/21

Instrument ID: Linus Time Analyzed: 13:19

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

| | | Chrysene-D12(IS) | | Perylene-D12(IS) | | | |
|---|---|---|---|---|---|---|---|
| | | AREA # | RT # | AREA # | RT # | AREA # | RT # |
| | 12 HOUR STD | 52758 | 10.86 | 45648 | 13.25 | | |
| | UPPER LIMIT | 105516 | 11.03 | 91296 | 13.42 | | |
| | LOWER LIMIT | 26379 | 10.69 | 22824 | 13.08 | | |
| | SAMPLE NO. | | | | | | |
| 01 | 210817A LCSD-1 1/100 | 37536 | 10.86 | 33204 | 13.25 | | |
| 02 | 5 SIM 07/08/21 (4) | 51222 | 10.87 | 45309 | 13.25 | | |
| 03 | | | | | | | |
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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.

# EPA 8260B

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/26/2021

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 |
| 210825AM-LCS | Lab Control Spike | 81-118 | 98.0 | | 85-114 | 98.8 | |
| 210825AM-BLK | Blank | 81-118 | 99.0 | | 85-114 | 99.6 | |
| BA37729 | ERH1583 | 81-118 | 97.8 | | 85-114 | 99.5 | |
| BA37730 | ERH1584 | 81-118 | 98.9 | | 85-114 | 101 | |
| BA37732 | ERH1585 | 81-118 | 98.6 | | 85-114 | 96.4 | |
| BA37733 | ERH1586 | 81-118 | 102 | | 85-114 | 102 | |
| BA37735 | ERH1587 | 81-118 | 101 | | 85-114 | 102 | |
| BA37736 | ERH1588 | 81-118 | 99.1 | | 85-114 | 98.3 | |
| BA37738 | ERH1589 | 81-118 | 99.0 | | 85-114 | 98.5 | |
| BA37739 | ERH1590 | 81-118 | 97.9 | | 85-114 | 101 | |
| 210825AM-LCSD | Lab Control SpikeD | 81-118 | 104 | | 85-114 | 99.2 | |

Comments: Batch: #86BTO-210825AM

# EPA 8260B

Form 2 & 8

## Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/26/2021

Matrix: WATER Instrument: Max

| APPL ID. | Client Sample No. | SURROGATE: DIBROMOFLUOROMETHANE (S) | | | SURROGATE: TOLUENE-D8 (S) | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210825AM-LCS | Lab Control Spike | 80-119 | 97.2 | | 89-112 | 97.2 | |
| 210825AM-BLK | Blank | 80-119 | 104 | | 89-112 | 99.2 | |
| BA37729 | ERH1583 | 80-119 | 101 | | 89-112 | 97.8 | |
| BA37730 | ERH1584 | 80-119 | 96.1 | | 89-112 | 97.9 | |
| BA37732 | ERH1585 | 80-119 | 103 | | 89-112 | 95.1 | |
| BA37733 | ERH1586 | 80-119 | 101 | | 89-112 | 98.5 | |
| BA37735 | ERH1587 | 80-119 | 100 | | 89-112 | 98.8 | |
| BA37736 | ERH1588 | 80-119 | 102 | | 89-112 | 97.6 | |
| BA37738 | ERH1589 | 80-119 | 106 | | 89-112 | 96.7 | |
| BA37739 | ERH1590 | 80-119 | 97.2 | | 89-112 | 95.8 | |
| 210825AM-LCSD | Lab Control SpikeD | 80-119 | 99.2 | | 89-112 | 97.2 | |

Comments: Batch: #86BTO-210825AM

# EPA 8260B

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/26/2021 |
| Matrix: | WATER | Instrument: | Max |
| Blank ID: | 210825AM-BLK | Time Analyzed: | 0226 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210825AM-LCS | Lab Control Spike | 0825M33 | 8/26/2021 0102 |
| 210825AM-BLK | Blank | 0825M36 | 8/26/2021 0226 |
| BA37729 | ERH1583 | 0825M41 | 8/26/2021 0446 |
| BA37730 | ERH1584 | 0825M42 | 8/26/2021 0514 |
| BA37732 | ERH1585 | 0825M43 | 8/26/2021 0541 |
| BA37733 | ERH1586 | 0825M44 | 8/26/2021 0609 |
| BA37735 | ERH1587 | 0825M45 | 8/26/2021 0637 |
| BA37736 | ERH1588 | 0825M46 | 8/26/2021 0705 |
| BA37738 | ERH1589 | 0825M47 | 8/26/2021 0733 |
| BA37739 | ERH1590 | 0825M48 | 8/26/2021 0801 |
| 210825AM-LCSD | Lab Control SpikeD | 0825M55 | 8/26/2021 1117 |

Comments: Batch: #86BTO-210825AM

# EPA 8260B

Form 4

## Blank Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/26/2021 |
| Matrix: | WATER | Instrument: | Max |
| Blank ID: | 210825AM-BLK | Time Analyzed: | 0226 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210825AM-LCS | Lab Control Spike | 0825M33 | 8/26/2021 0102 |
| 210825AM-BLK | Blank | 0825M36 | 8/26/2021 0226 |
| BA37729 | ERH1583 | 0825M41 | 8/26/2021 0446 |
| BA37730 | ERH1584 | 0825M42 | 8/26/2021 0514 |
| BA37732 | ERH1585 | 0825M43 | 8/26/2021 0541 |
| BA37733 | ERH1586 | 0825M44 | 8/26/2021 0609 |
| BA37735 | ERH1587 | 0825M45 | 8/26/2021 0637 |
| BA37736 | ERH1588 | 0825M46 | 8/26/2021 0705 |
| BA37738 | ERH1589 | 0825M47 | 8/26/2021 0733 |
| BA37739 | ERH1590 | 0825M48 | 8/26/2021 0801 |
| 210825AM-LCSD | Lab Control SpikeD | 0825M55 | 8/26/2021 1117 |

Comments: Batch: #86BTO-210825AM

# Method Blank
## EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210825W-37729 - 268038**
Batch ID: #86BTO-210825AM

| 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 | 8/26/2021 | 8/26/2021 |
| BLANK | ETHYLBENZENE | 0.50 U | 1.0 | 0.50 | 0.23 | ug/L | 8/26/2021 | 8/26/2021 |
| BLANK | TOLUENE | 0.30 U | 1.0 | 0.30 | 0.15 | ug/L | 8/26/2021 | 8/26/2021 |
| BLANK | XYLENES (TOTAL) | 0.30 U | 2.0 | 0.30 | 0.15 | ug/L | 8/26/2021 | 8/26/2021 |
| BLANK | SURROGATE: 1,2-DICHLOROET | 99.0 | 81-118 | | | % | 8/26/2021 | 8/26/2021 |
| BLANK | SURROGATE: 4-BROMOFLUOR | 99.6 | 85-114 | | | % | 8/26/2021 | 8/26/2021 |
| BLANK | SURROGATE: DIBROMOFLUOR | 104 | 80-119 | | | % | 8/26/2021 | 8/26/2021 |
| BLANK | SURROGATE: TOLUENE-D8 (S) | 99.2 | 89-112 | | | % | 8/26/2021 | 8/26/2021 |

Quant Method: MGAS0825.
Run #: 0825M36
Instrument: Max
Sequence: 210825
Initials: DA

*GC SC-Blank-REG MDLs-DOD*
*Printed: 9/20/2021 4:11:59 PM*

# EPA 8260B

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/26/2021 |
| Matrix: | WATER | Instrument: | Max |
| LCS ID: | 210825AM-LCS | Time Analyzed: | 0102 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210825AM-LCS | Lab Control Spike | 0825M33 | 8/26/2021 0102 |
| 210825AM-BLK | Blank | 0825M36 | 8/26/2021 0226 |
| BA37729 | ERH1583 | 0825M41 | 8/26/2021 0446 |
| BA37730 | ERH1584 | 0825M42 | 8/26/2021 0514 |
| BA37732 | ERH1585 | 0825M43 | 8/26/2021 0541 |
| BA37733 | ERH1586 | 0825M44 | 8/26/2021 0609 |
| BA37735 | ERH1587 | 0825M45 | 8/26/2021 0637 |
| BA37736 | ERH1588 | 0825M46 | 8/26/2021 0705 |
| BA37738 | ERH1589 | 0825M47 | 8/26/2021 0733 |
| BA37739 | ERH1590 | 0825M48 | 8/26/2021 0801 |
| 210825AM-LCSD | Lab Control SpikeD | 0825M55 | 8/26/2021 1117 |

Comments: Batch: #86BTO-210825AM

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

APPL ID: **210826W-37729 LCS - 268038**
Batch ID: #86BTO-210825AM

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 | 10.6 | 9.94 | 106 | 99.4 | 79-120 | 6.4 | 20 |
| ETHYLBENZENE | 10.00 | 11.0 | 10.4 | 110 | 104 | 79-121 | 5.6 | 20 |
| TOLUENE | 10.00 | 10.7 | 9.74 | 107 | 97.4 | 80-121 | 9.4 | 20 |
| XYLENES (TOTAL) | 30.0 | 31.6 | 28.2 | 105 | 94.0 | 79-121 | 11.4 | 20 |
| SURROGATE: 1,2-DICHLOROETHANE-D | 25.0 | 24.5 | 26.0 | 98.0 | 104 | 81-118 | | |
| SURROGATE: 4-BROMOFLUOROBENZE | 25.0 | 24.7 | 24.8 | 98.8 | 99.2 | 85-114 | | |
| SURROGATE: DIBROMOFLUOROMETH | 25.0 | 24.3 | 24.8 | 97.2 | 99.2 | 80-119 | | |
| SURROGATE: TOLUENE-D8 (S) | 25.0 | 24.3 | 24.3 | 97.2 | 97.2 | 89-112 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | M0825W.M | M0825W.M |
| Extraction Date : | 8/26/2021 | 8/26/2021 |
| Analysis Date : | 8/26/2021 | 8/26/2021 |
| Instrument : | Max | Max |
| Run : | 0825M33 | 0825M55 |
| Initials : | DA | |

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No:
Case No: Date Analyzed: 8/25/2021
Matrix: Water Instrument: Max
ID: 0825M11.D Time Analyzed: 14:47

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | | 0.3ug/L VOC STD 8/25 | 0825M12.D | 8/25/2021 15:15 |
| 2 | | 0.5ug/L VOC STD 8/25 | 0825M13.D | 8/25/2021 15:43 |
| 3 | | 1ug/L VOC STD 8/25/2 | 0825M14.D | 8/25/2021 16:11 |
| 4 | | 2ug/L VOC STD 8/25/2 | 0825M15.D | 8/25/2021 16:39 |
| 5 | | 5ug/L VOC STD 8/25/2 | 0825M16.D | 8/25/2021 17:07 |
| 6 | | 10ug/L VOC STD 8/25/ | 0825M17.D | 8/25/2021 17:35 |
| 7 | | 20ug/L VOC STD 8/25/ | 0825M18.D | 8/25/2021 18:03 |
| 8 | | 40ug/L VOC STD 8/25/ | 0825M19.D | 8/25/2021 18:31 |
| 9 | | 100ug/L VOC STD 8/25 | 0825M20.D | 8/25/2021 18:59 |
| 10 | | (SS) 10ug/L VOC STD | 0825M22.D | 8/25/2021 19:55 |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |

| m/e | | |
|---|---|---|
| 50 | 15 - 40% of mass 95 | 17.5 |
| 75 | 30 - 60.04% of mass 95 | 54.3 |
| 95 | 100 - 200% of mass 95 | 100.0 |
| 96 | 5 - 9% of mass 95 | 7.2 |
| 173 | 0 - 2% of mass 174 | 0.0 |
| 174 | 50 - 200% of mass 95 | 131.6 |
| 175 | 5 - 9.02% of mass 174 | 7.7 |
| 176 | 94.9 - 101% of mass 174 | 97.9 |
| 177 | 5 - 9% of mass 176 | 6.8 |

Form 5
Tune Summary

Lab Name: APPL Inc.
Case No: 97159
Matrix: Water
ID: 0825M21.D

SDG No: 97159
Date Analyzed: 8/25/2021
Instrument: Max
Time Analyzed: 19:27

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | Lab Control Spike | 210825A CCV/ LCS 10u | 0825M33.D | 8/26/2021 1:02 |
| 2 | Blank | 210825A BLK | 0825M36.D | 8/26/2021 2:26 |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| 8 | | | | |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |

| m/e | | |
|---|---|---|
| 50 | 15 - 40% of mass 95 | 16.5 |
| 75 | 30 - 60.04% of mass 95 | 54.3 |
| 95 | 100 - 200% of mass 95 | 100.0 |
| 96 | 5 - 9% of mass 95 | 6.2 |
| 173 | 0 - 2% of mass 174 | 0.0 |
| 174 | 50 - 200% of mass 95 | 128.5 |
| 175 | 5 - 9.02% of mass 174 | 7.4 |
| 176 | 94.9 - 101% of mass 174 | 97.6 |
| 177 | 5 - 9% of mass 176 | 7.0 |

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 97159
Case No: 97159 Date Analyzed: 8/26/2021
Matrix: Water Instrument: Max
ID: 0825M36.D Time Analyzed: 2:26

| | Client Sample No. | APPL ID. | File ID. | Date Analyzed |
|---|---|---|---|---|
| 1 | ERH1583 | BA37729W01 | 0825M41.D | 8/26/2021 4:46 |
| 2 | ERH1584 | BA37730W01 | 0825M42.D | 8/26/2021 5:14 |
| 3 | ERH1585 | BA37732W01 | 0825M43.D | 8/26/2021 5:41 |
| 4 | ERH1586 | BA37733W01 | 0825M44.D | 8/26/2021 6:09 |
| 5 | ERH1587 | BA37735W01 | 0825M45.D | 8/26/2021 6:37 |
| 6 | ERH1588 | BA37736W01 | 0825M46.D | 8/26/2021 7:05 |
| 7 | ERH1589 | BA37738W01 | 0825M47.D | 8/26/2021 7:33 |
| 8 | ERH1590 | BA37739W01 | 0825M48.D | 8/26/2021 8:01 |
| 9 | | | | |
| 10 | | | | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| 14 | | | | |
| 15 | | | | |
| 16 | | | | |
| 17 | | | | |
| 18 | | | | |
| 19 | | | | |
| 20 | | | | |
| 21 | | | | |
| 22 | | | | |

| m/e | | |
|---|---|---|
| 50 | 15 - 40% of mass 95 | 18.3 |
| 75 | 30 - 60.04% of mass 95 | 55.8 |
| 95 | 100 - 200% of mass 95 | 100.0 |
| 96 | 5 - 9% of mass 95 | 6.3 |
| 173 | 0 - 2% of mass 174 | 0.0 |
| 174 | 50 - 200% of mass 95 | 128.5 |
| 175 | 5 - 9.02% of mass 174 | 7.1 |
| 176 | 94.9 - 101% of mass 174 | 99.1 |
| 177 | 5 - 9% of mass 176 | 6.0 |

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0825M18.D Date Analyzed: 08/25/21

Instrument ID: Max Time Analyzed: 18:03

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 | 258006 | 6.21 | 222674 | 9.41 | 141752 | 11.75 |
| | UPPER LIMIT | 516012 | 6.38 | 445348 | 9.58 | 283504 | 11.92 |
| | LOWER LIMIT | 129003 | 6.04 | 111337 | 9.24 | 70876 | 11.58 |
| | SAMPLE NO. | | | | | | |
| 01 | 210825A CCV/ LCS 10u | 252822 | 6.22 | 214017 | 9.41 | 137437 | 11.75 |
| 02 | 210825A BLK | 251932 | 6.21 | 211434 | 9.41 | 132347 | 11.75 |
| 03 | BA37729W01 | 242123 | 6.22 | 205663 | 9.41 | 125856 | 11.75 |
| 04 | BA37730W01 | 248738 | 6.21 | 200562 | 9.41 | 126188 | 11.75 |
| 05 | BA37732W01 | 243873 | 6.21 | 209248 | 9.41 | 123030 | 11.75 |
| 06 | BA37733W01 | 241825 | 6.21 | 200984 | 9.41 | 129260 | 11.75 |
| 07 | BA37735W01 | 247805 | 6.21 | 207647 | 9.41 | 129069 | 11.75 |
| 08 | BA37736W01 | 239517 | 6.21 | 202686 | 9.41 | 128165 | 11.74 |
| 09 | BA37738W01 | 244069 | 6.22 | 208164 | 9.42 | 129798 | 11.75 |
| 10 | BA37739W01 | 253766 | 6.22 | 214560 | 9.41 | 137163 | 11.75 |
| 11 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 14 | | | | | | | |
| 15 | | | | | | | |
| 16 | | | | | | | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 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: 97159

Case No: 97159 Date Analyzed: 8/26/2021

Matrix: WATER Instrument: Max

| APPL ID. | Client Sample No. | SURROGATE: 4-BROMOFLUOROBENZENE (S) | | | | | |
|---|---|---|---|---|---|---|---|
| | | Limits | Result | Qualifier | Limits | Result | Qualifier |
| 210825AM-LCS | Lab Control Spike | 85-114 | 97.2 | | | | |
| 210825AM-LCSD | Lab Control SpikeD | 85-114 | 103 | | | | |
| 210825AM-BLK | Blank | 85-114 | 99.6 | | | | |
| BA37729 | ERH1583 | 85-114 | 99.5 | | | | |
| BA37730 | ERH1584 | 85-114 | 101 | | | | |
| BA37732 | ERH1585 | 85-114 | 96.4 | | | | |
| BA37733 | ERH1586 | 85-114 | 102 | | | | |
| BA37735 | ERH1587 | 85-114 | 102 | | | | |
| BA37736 | ERH1588 | 85-114 | 98.3 | | | | |
| BA37738 | ERH1589 | 85-114 | 98.5 | | | | |
| BA37739 | ERH1590 | 85-114 | 101 | | | | |

Comments: Batch: #GRO86-210825A

# EPA 8260B

Form 4

## Blank Summary

Lab Name: APPL, Inc. SDG No: 97159

Case No: 97159 Date Analyzed: 8/26/2021

Matrix: WATER Instrument: Max

Blank ID: 210825AM-BLK Time Analyzed: 0226

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210825AM-LCS | Lab Control Spike | 0825M34 | 8/26/2021 0130 |
| 210825AM-LCSD | Lab Control SpikeD | 0825M35 | 8/26/2021 0158 |
| 210825AM-BLK | Blank | 0825M36 | 8/26/2021 0226 |
| BA37729 | ERH1583 | 0825M41 | 8/26/2021 0446 |
| BA37730 | ERH1584 | 0825M42 | 8/26/2021 0514 |
| BA37732 | ERH1585 | 0825M43 | 8/26/2021 0541 |
| BA37733 | ERH1586 | 0825M44 | 8/26/2021 0609 |
| BA37735 | ERH1587 | 0825M45 | 8/26/2021 0637 |
| BA37736 | ERH1588 | 0825M46 | 8/26/2021 0705 |
| BA37738 | ERH1589 | 0825M47 | 8/26/2021 0733 |
| BA37739 | ERH1590 | 0825M48 | 8/26/2021 0801 |

Comments: Batch: #GRO86-210825A

# Method Blank
## EPA 8260B GRO WATER

Blank Name/QCG: **210825W-37729 - 268130**
Batch ID: #GRO86-210825AM

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

| 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 | 8/26/2021 | 8/26/2021 |
| BLANK | SURROGATE: 4-BROMOFLUOR | 99.6 | 85-114 | | | % | 8/26/2021 | 8/26/2021 |

Quant Method: MGAS0825.
Run #: 0825M36
Instrument: Max
Sequence: 210825
Initials: LPO

*GC SC-Blank-REG MDLs-DOD*
*Printed: 9/22/2021 8:59:56 AM*

# EPA 8260B

Form 4

## LCS Summary

| | | | |
|---|---|---|---|
| Lab Name: | APPL, Inc. | SDG No: | 97159 |
| Case No: | 97159 | Date Analyzed: | 8/26/2021 |
| Matrix: | WATER | Instrument: | Max |
| LCS ID: | 210825AM-LCS | Time Analyzed: | 0130 |

| APPL ID. | Client Sample No. | File ID. | Date Analyzed |
|---|---|---|---|
| 210825AM-LCS | Lab Control Spike | 0825M34 | 8/26/2021 0130 |
| 210825AM-LCSD | Lab Control SpikeD | 0825M35 | 8/26/2021 0158 |
| 210825AM-BLK | Blank | 0825M36 | 8/26/2021 0226 |
| BA37729 | ERH1583 | 0825M41 | 8/26/2021 0446 |
| BA37730 | ERH1584 | 0825M42 | 8/26/2021 0514 |
| BA37732 | ERH1585 | 0825M43 | 8/26/2021 0541 |
| BA37733 | ERH1586 | 0825M44 | 8/26/2021 0609 |
| BA37735 | ERH1587 | 0825M45 | 8/26/2021 0637 |
| BA37736 | ERH1588 | 0825M46 | 8/26/2021 0705 |
| BA37738 | ERH1589 | 0825M47 | 8/26/2021 0733 |
| BA37739 | ERH1590 | 0825M48 | 8/26/2021 0801 |

Comments: Batch: #GRO86-210825A

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

APPL ID: **210826W-37729 LCS - 268130**
Batch ID: #GRO86-210825AM

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 | 312 | 303 | 104 | 101 | 78-122 | 2.9 | 20 |
| SURROGATE: 4-BROMOFLUOROBENZE | 25.0 | 24.3 | 25.8 | 97.2 | 103 | 85-114 | | |

Comments:

| Primary | SPK | DUP |
|---|---|---|
| Quant Method : | MGAS0825.M | MGAS0825.M |
| Extraction Date : | 8/26/2021 | 8/26/2021 |
| Analysis Date : | 8/26/2021 | 8/26/2021 |
| Instrument : | Max | Max |
| Run : | 0825M34 | 0825M35 |
| Initials : | LPO | |

# ORGANICS

## Calibration Data

TPH Extractables
DOC0823

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/23/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 823003.D | 823004.D | 823005.D | 823006.D | 823007.D | 823008.D | 823009.D | | | | | | | | |
| 1 | HATML | Diesel (C10-C24) | 5178390 | 3314799 | 2393411 | 2117814 | 2081239 | | 2147290 | | | | 2872157 | 43 | HATM | 1.000 | |
| 2 | HBTM | Motor Oil (C24-C40) | | 2341319 | 1757653 | 1666238 | 1620332 | 1805322 | 1657277 | | | | 1808023 | 15 | HBTM | | |
| 3 | SA | Ortho-Terphenyl(S) | 3565944 | 2794027 | 2683036 | 2584173 | 2476235 | 2582536 | 2582862 | | | | 2752688 | 14 | SA | | |
| 4 | SA | Octacosane(S) | 2615496 | 2071028 | 2036167 | 1983348 | 1937095 | 2168069 | 2046820 | | | | 2122575 | 11 | SA | | |
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2.336817

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823003.D Vial: 3
Acq On : 8-23-21 18:21:55 Operator: KA
Sample : DMO Curve 1 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

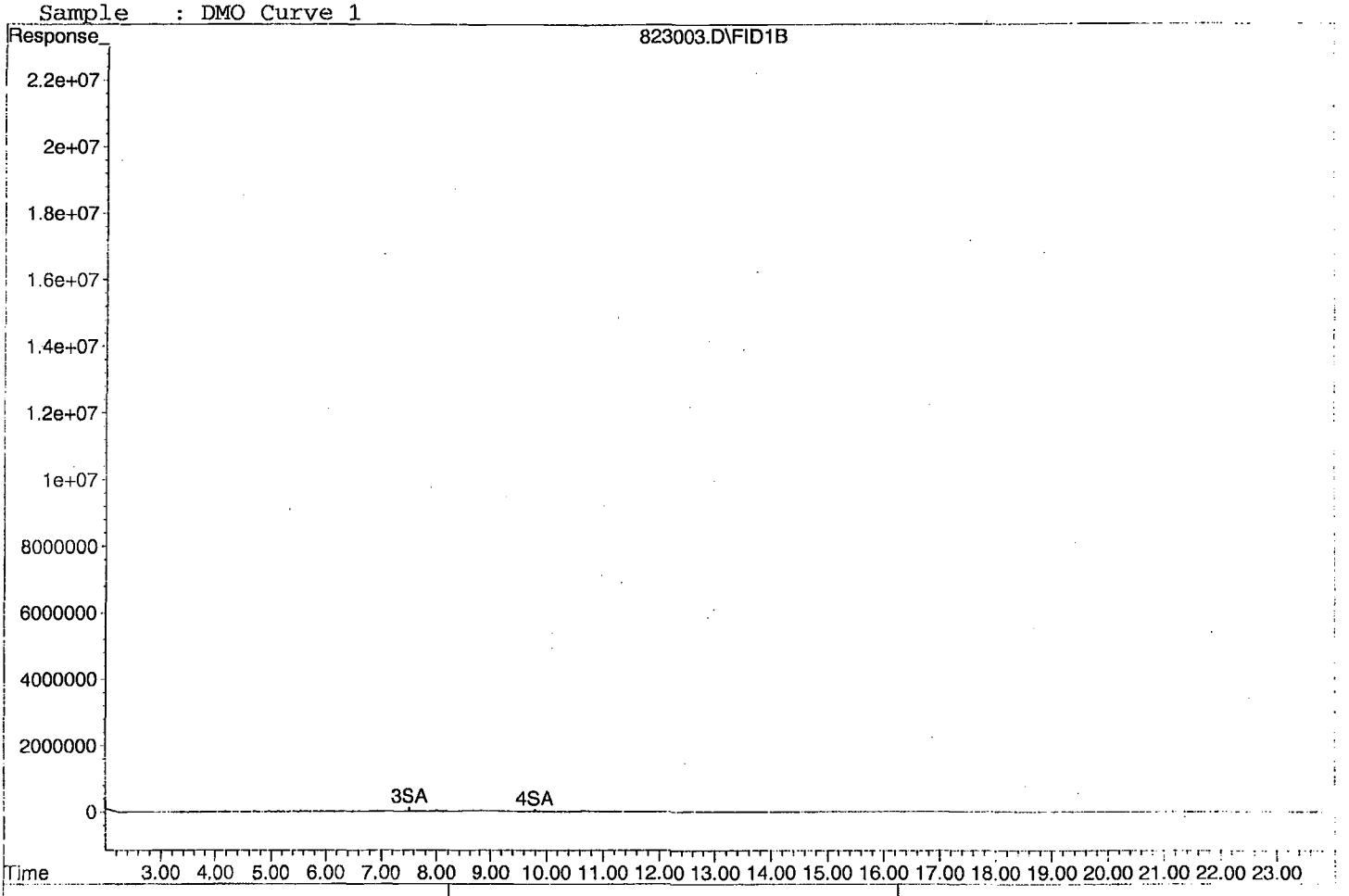
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

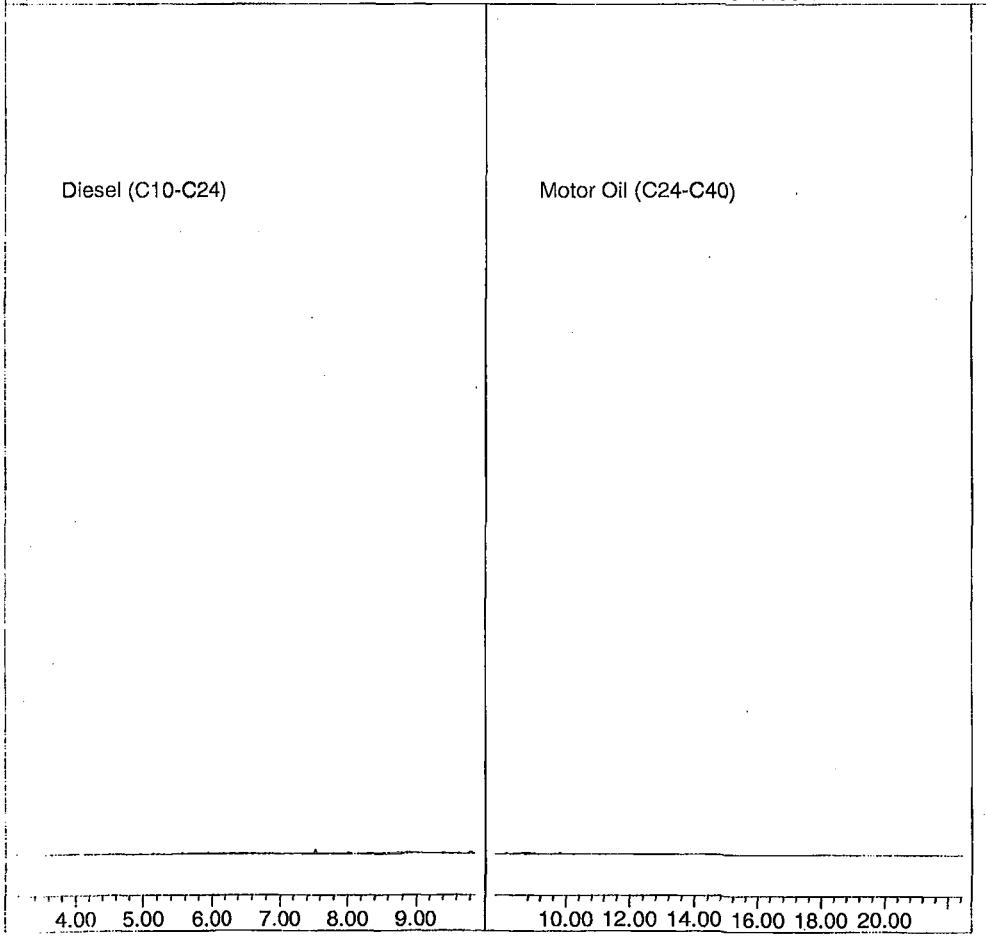
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 1782972 | 0.324 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.08% |
| 4) SA Octacosane(S) | 9.80 | 1307748 | 0.308 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 51783897 | 5.622 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 49545102 | 13.701 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210823\823003.D
Sample : DMO Curve 1



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823004.D Vial: 4
Acq On : 8-23-21 18:50:30 Operator: KA
Sample : DMO Curve 2 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

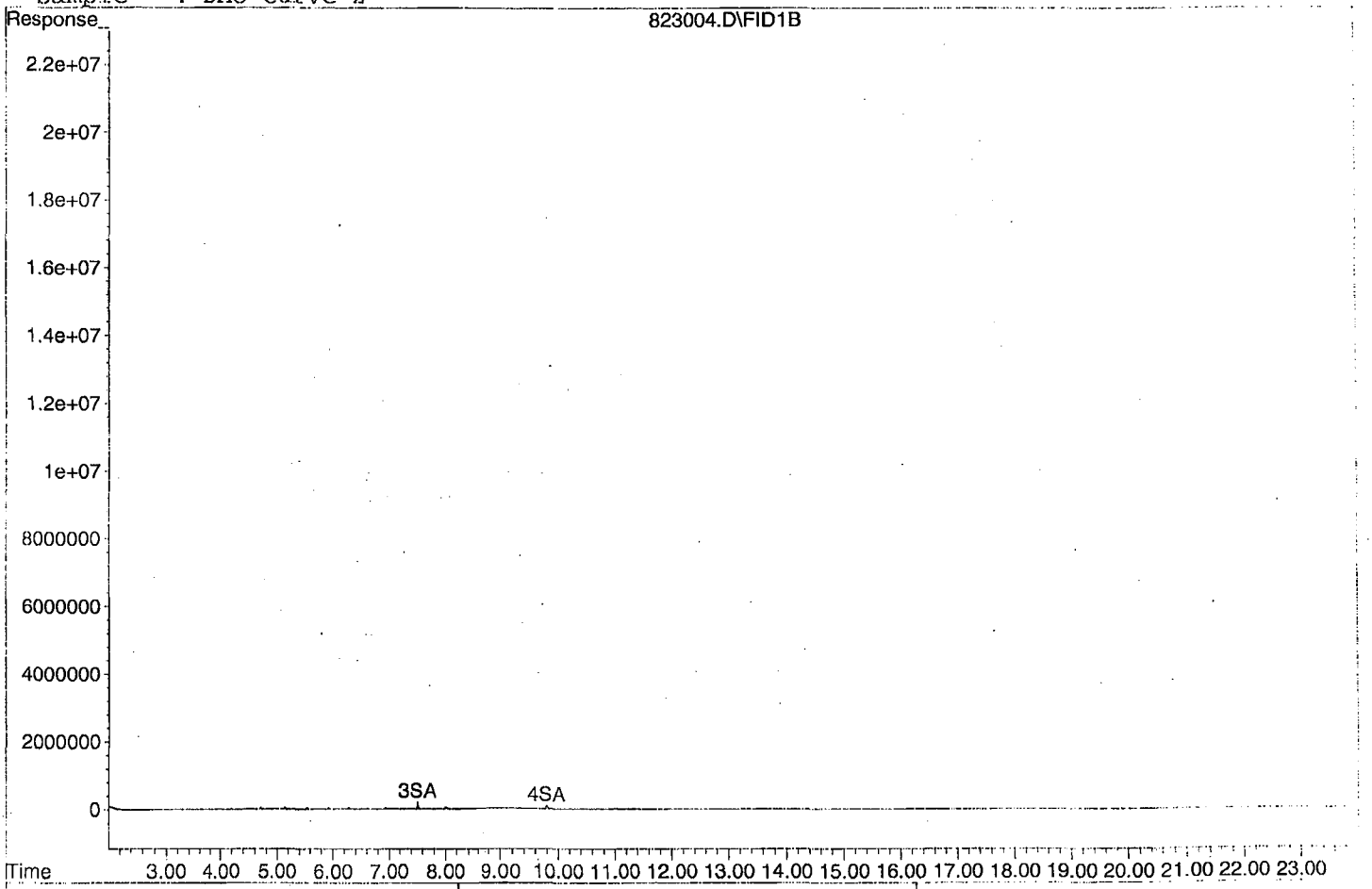
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

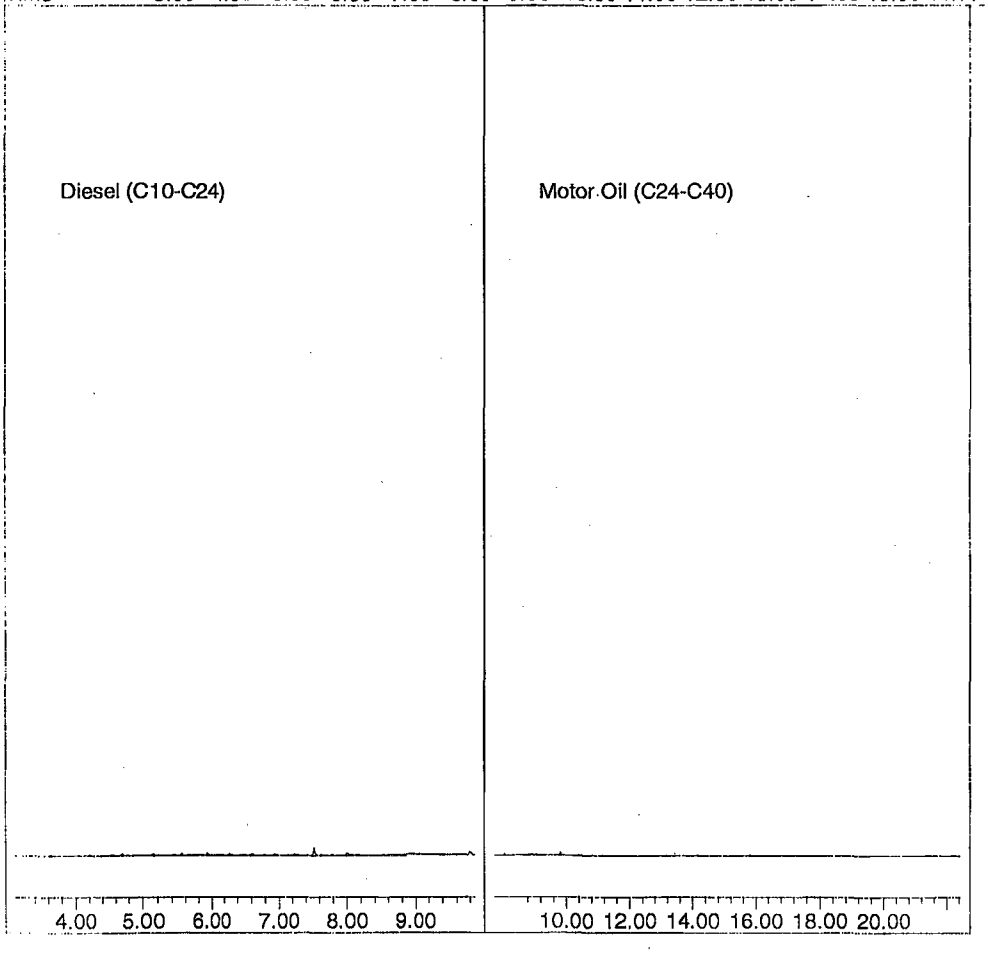
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 2794027 | 0.508 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.69% |
| 4) SA Octacosane(S) | 9.80 | 2071028 | 0.488 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.63% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 66295984 | 9.059 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 46826374 | 12.950 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210823\823004.D
Sample : DMO Curve 2



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823005.D Vial: 5
Acq On : 8-23-21 19:18:55 Operator: KA
Sample : DMO Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

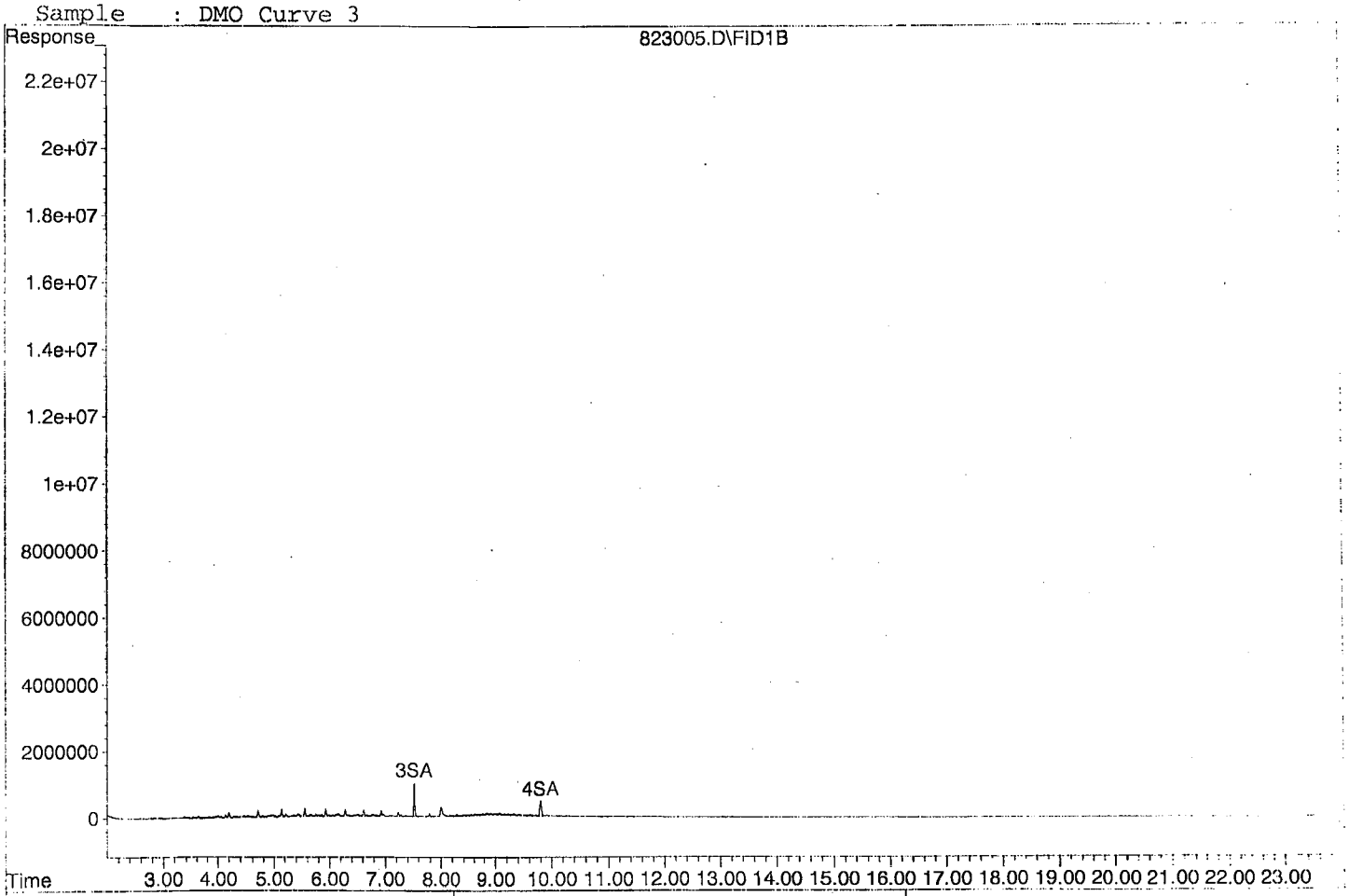
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

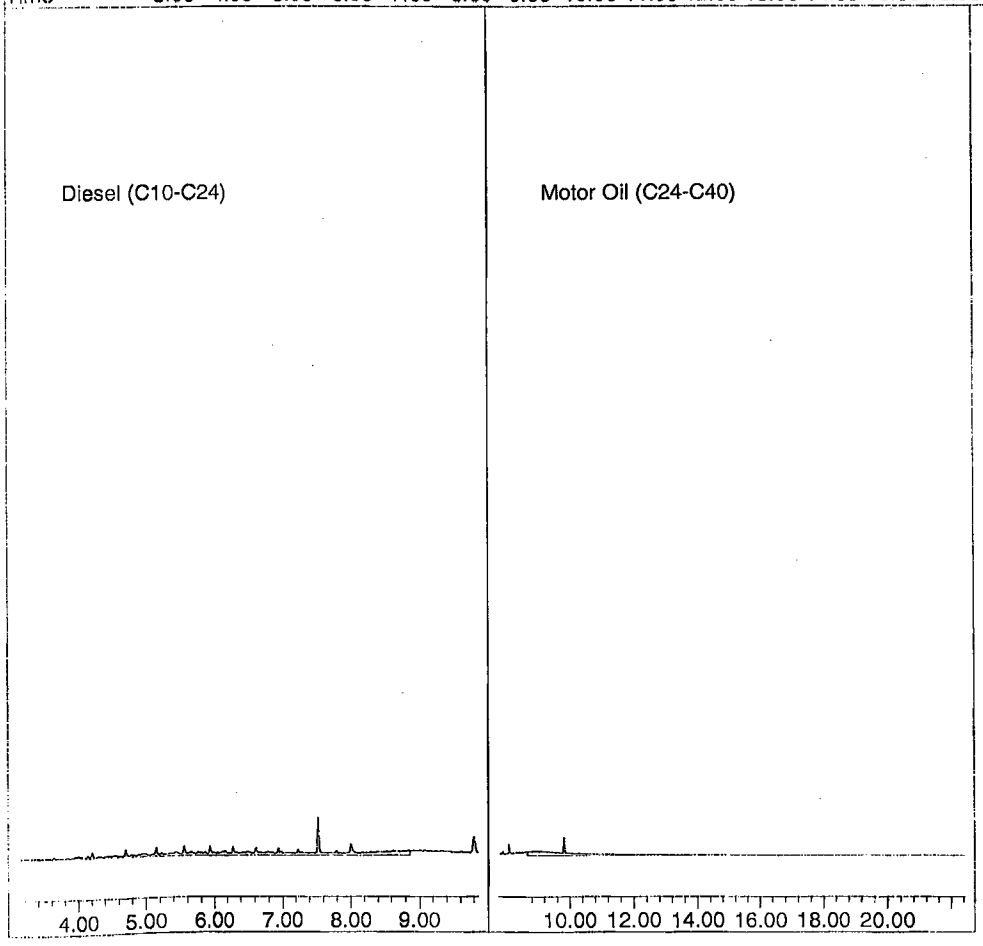
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 13415180 | 2.437 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.12% |
| 4) SA Octacosane(S) | 9.80 | 10180835 | 2.398 ppb |
| Surrogate Spike 30.000 | Recovery = | | 7.99% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 239341099 | 50.034 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 175765333 | 48.607 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210823\823005.D
Sample : DMO Curve 3



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823006.D Vial: 6
Acq On : 8-23-21 19:47:24 Operator: KA
Sample : DMO Curve 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

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

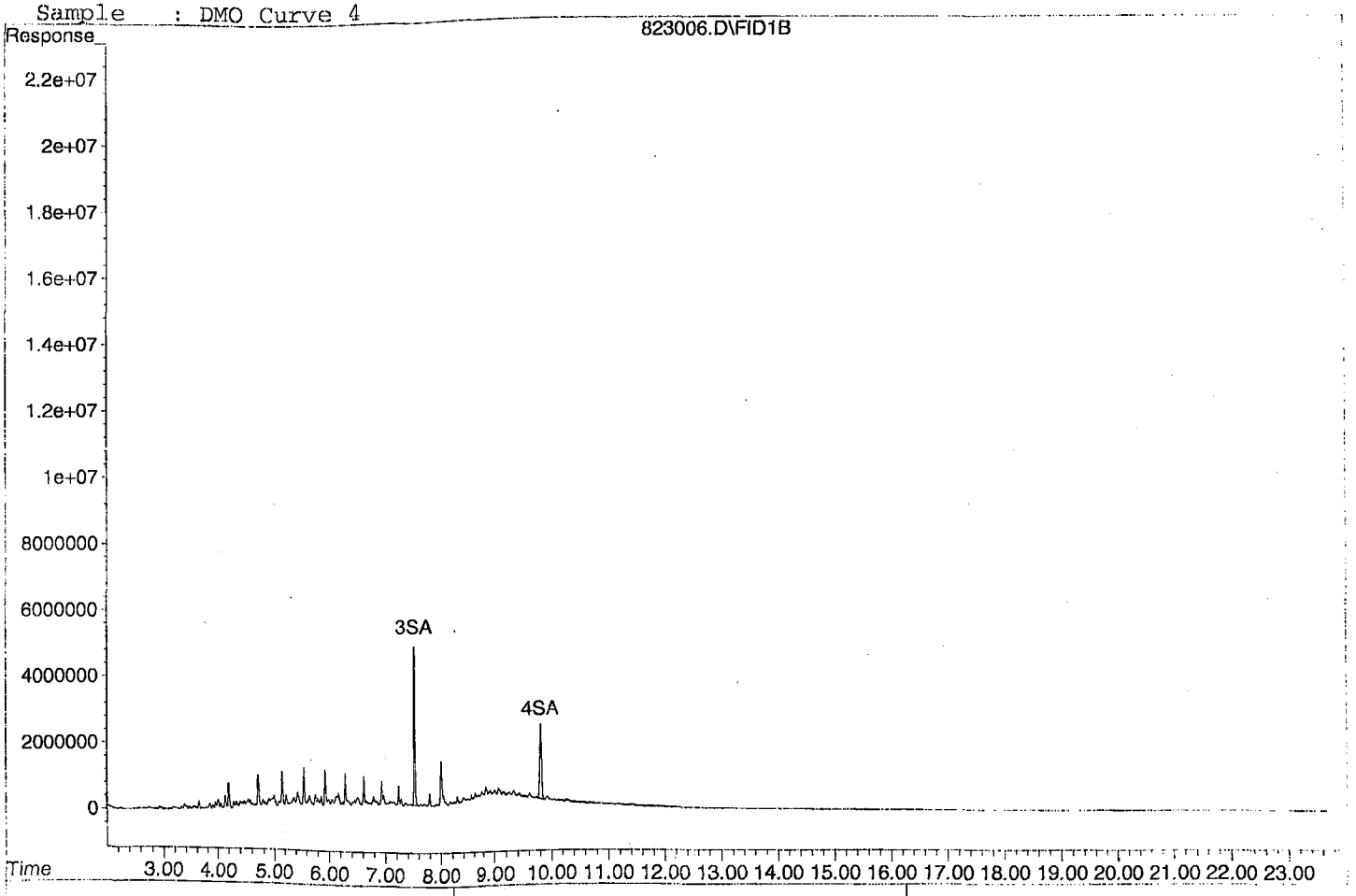
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 64604332 | 11.735 ppb |
| Surrogate Spike 30.000 | Recovery = | | 39.12% |
| 4) SA Octacosane(S) | 9.80 | 49583699 | 11.680 ppb |
| Surrogate Spike 30.000 | Recovery = | | 38.93% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1058907009 | 244.099 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 833119001 | 230.395 ppb |

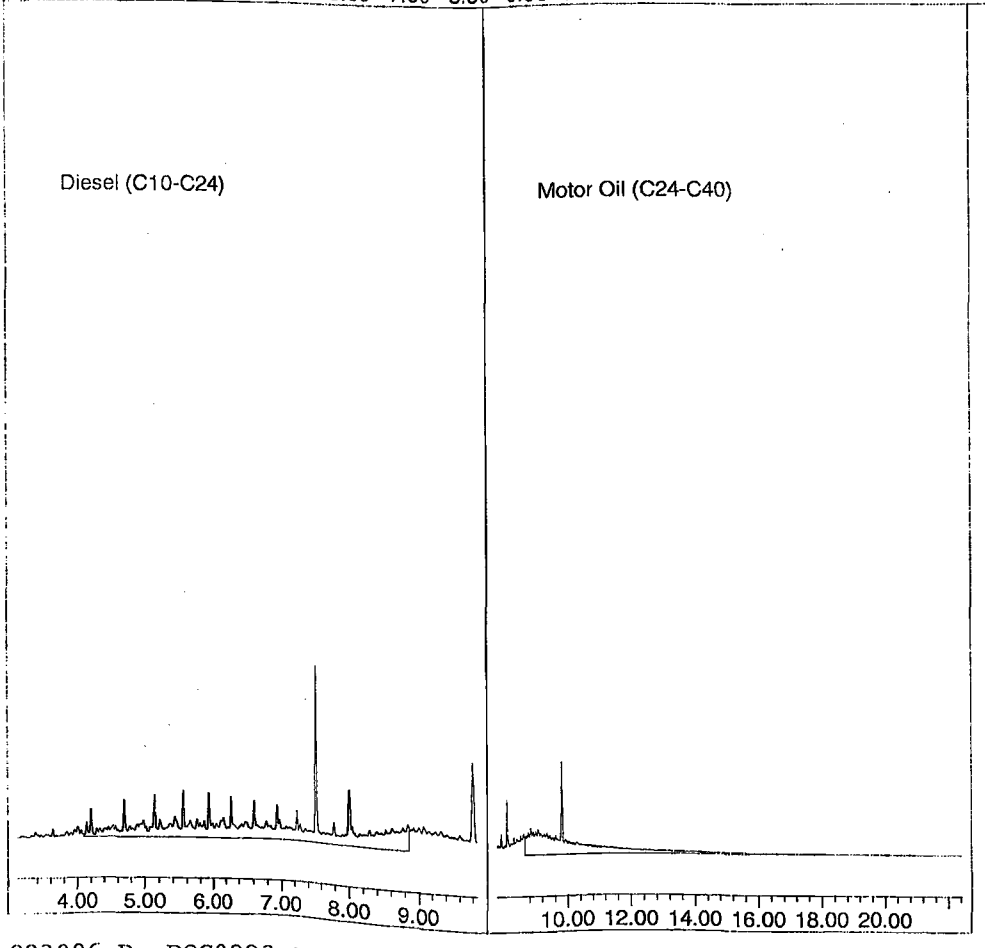
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
823006.D DOC0823.M Tue Aug 24 09:15:43 2021

Data File: G:\APOLLO\DATA\210823\823006.D
Sample : DMO Curve 4



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823007.D Vial: 7
Acq On : 8-23-21 20:15:46 Operator: KA
Sample : DMO Curve 5 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

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

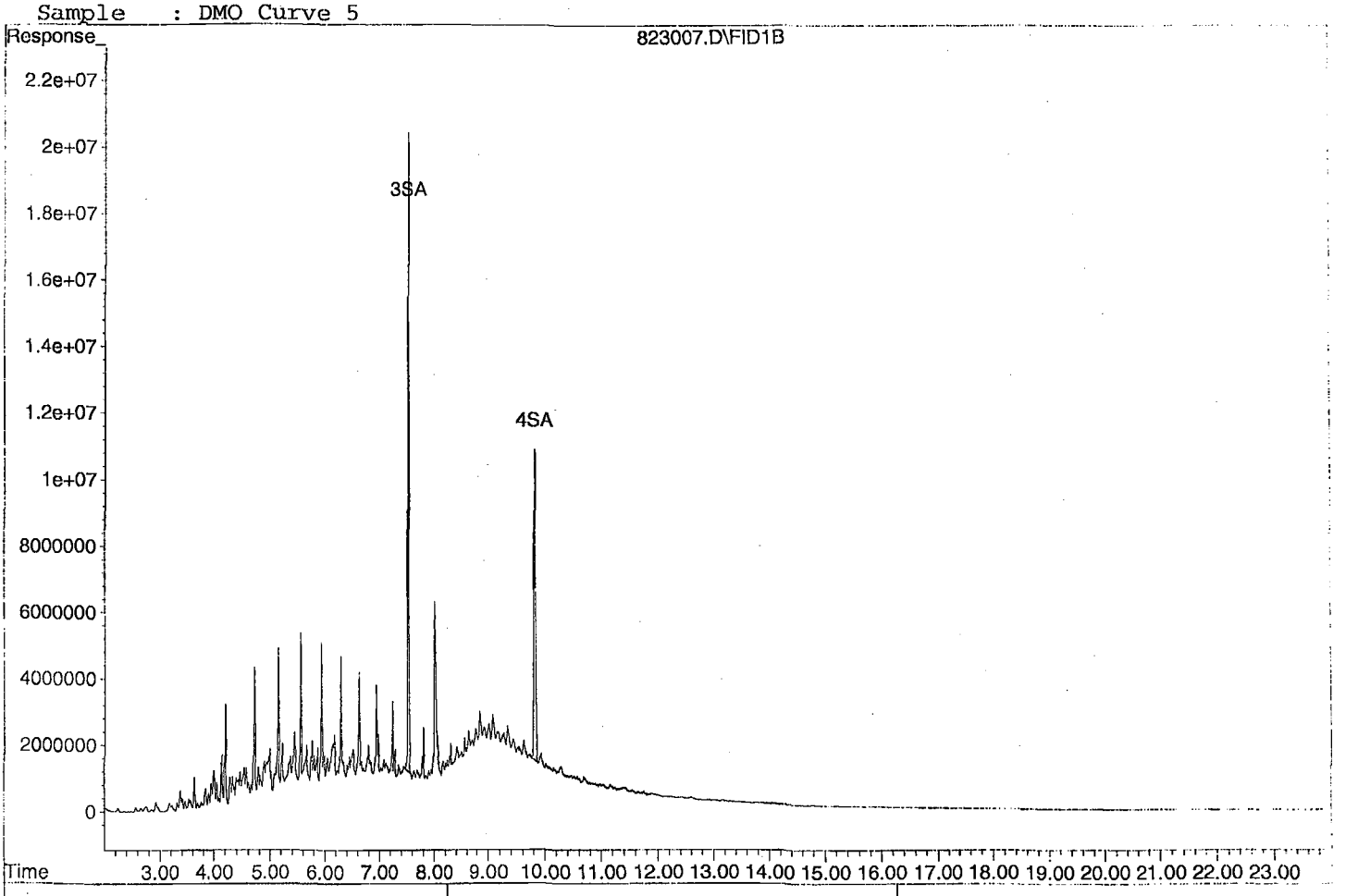
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 247623480 | 44.978 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 149.93% | |
| 4) SA Octacosane(S) | 9.81 | 193709477 | 45.631 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 152.10% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 4162477075 | 978.995 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 3240663961 | 896.190 | ppb |

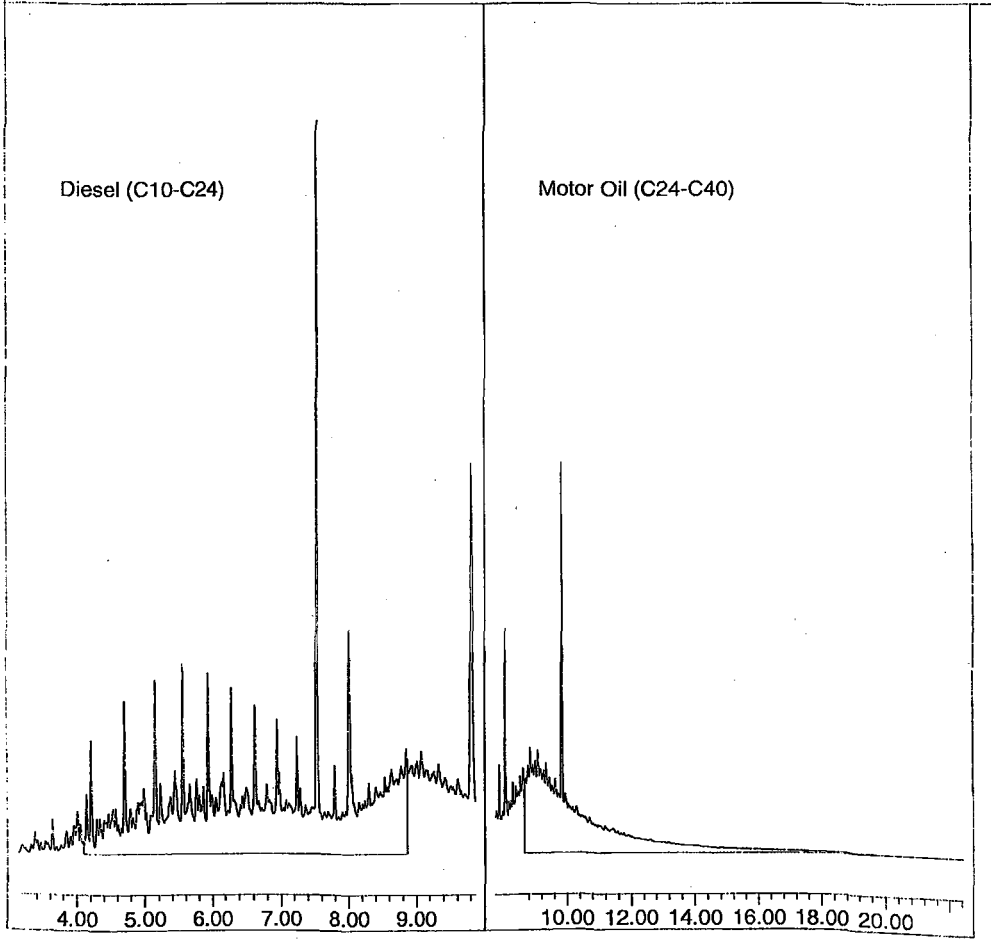
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210823\823007.D
Sample : DMO Curve 5




823007.D DOC0823.M Tue Aug 24 09:15:45 2021

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823008.D Vial: 8
Acq On : 8-23-21 20:44:20 Operator: KA
Sample : DMO Curve 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

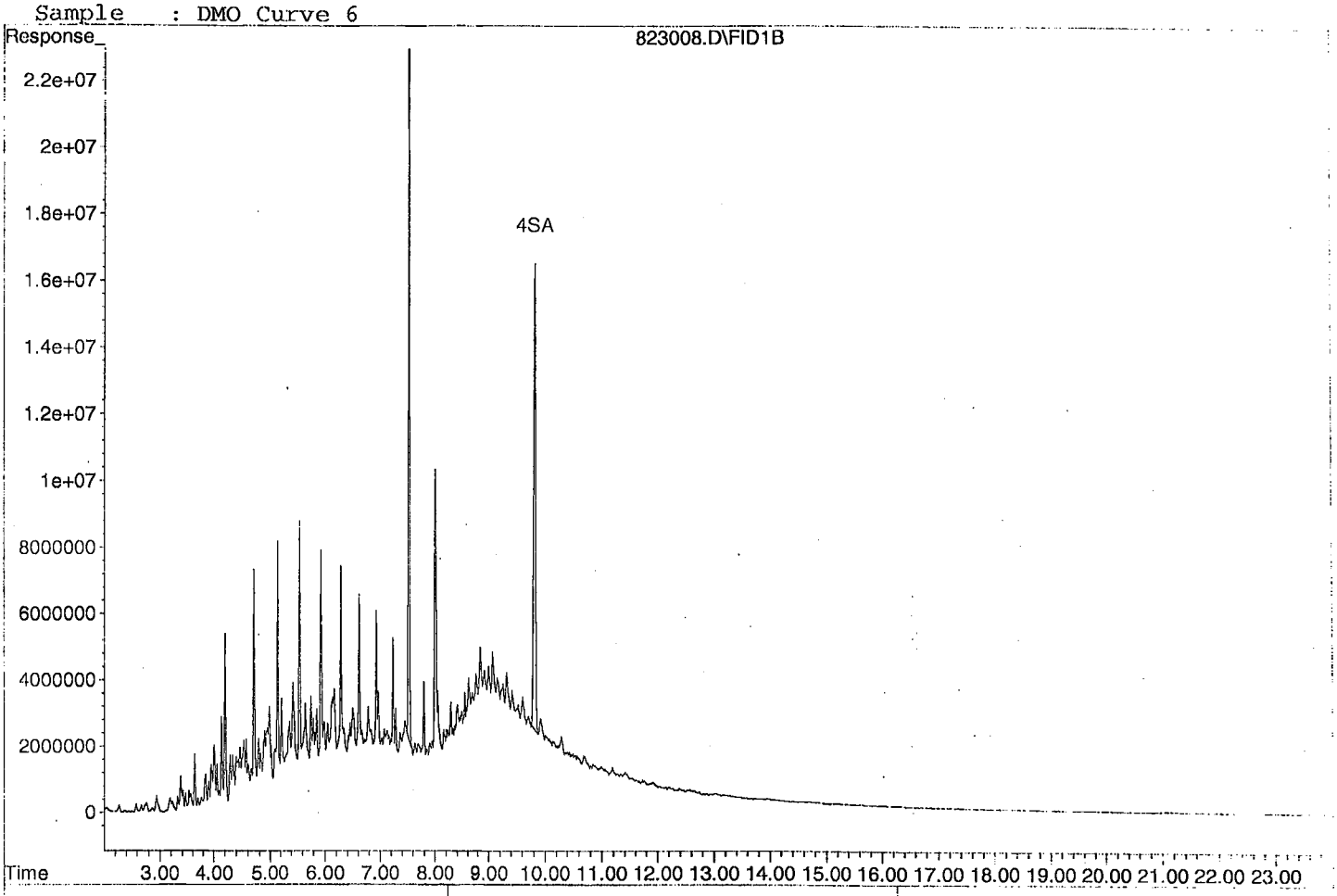
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

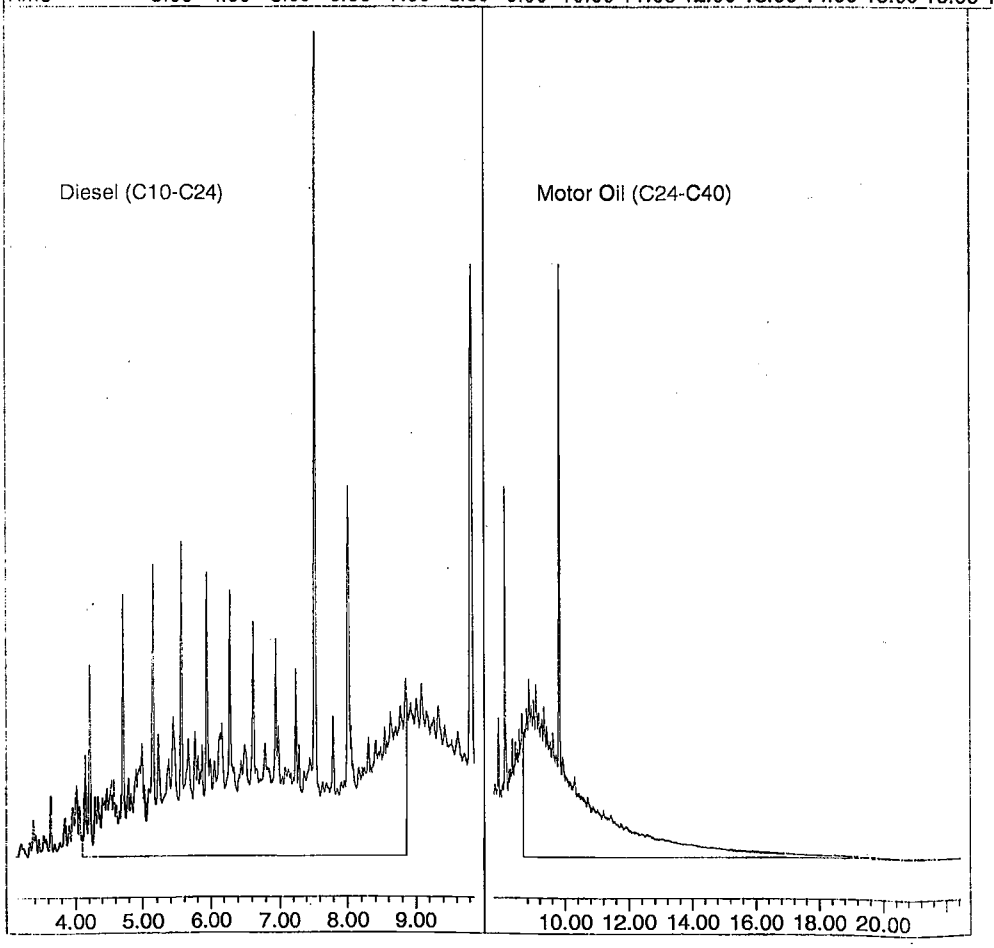
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 387380335 | 70.364 ppb |
| Surrogate Spike 30.000 | | Recovery = | 234.55% |
| 4) SA Octacosane(S) | 9.82 | 325210308 | 76.608 ppb |
| Surrogate Spike 30.000 | | Recovery = | 255.36% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 7048711833 | 1662.427 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 5415964502 | 1497.758 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210823\823008.D
Sample : DMO Curve 6



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823009.D Vial: 9
Acq On : 8-23-21 21:12:52 Operator: KA
Sample : DMO Curve 7 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

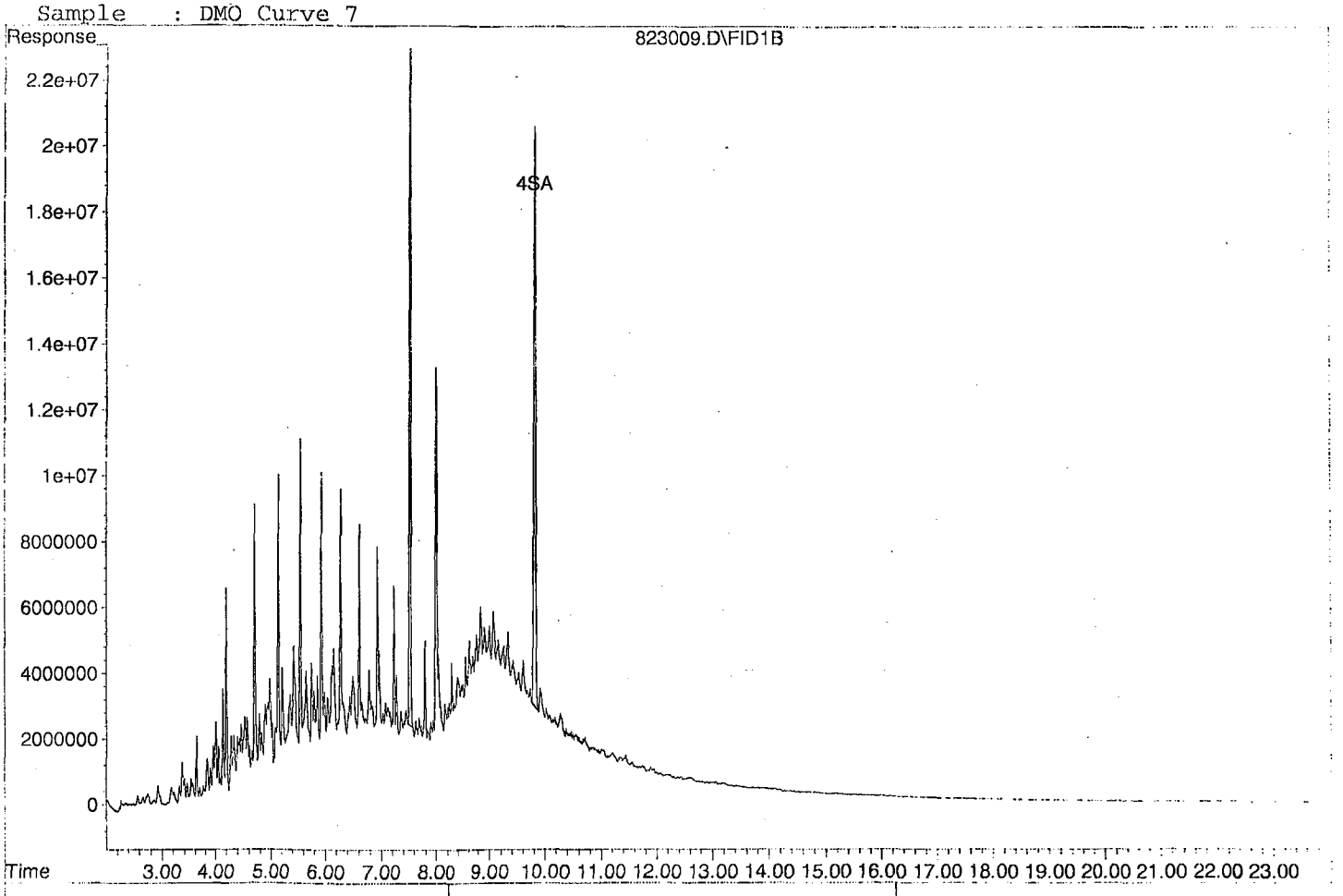
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

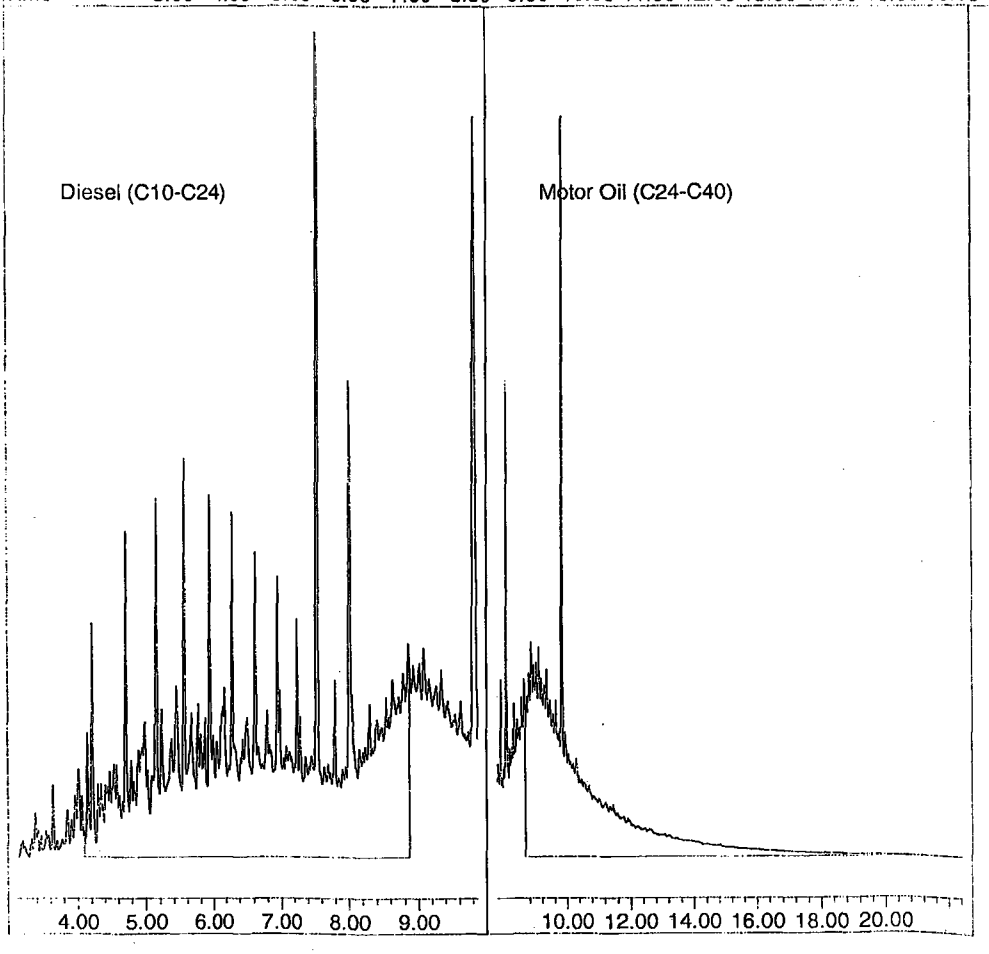
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 516572475 | 93.831 ppb |
| Surrogate Spike 30.000 | | Recovery = | 312.77% |
| 4) SA Octacosane(S) | 9.82 | 409363905 | 96.431 ppb |
| Surrogate Spike 30.000 | | Recovery = | 321.44% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 8589160086 | 2027.191 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 6629109744 | 1833.248 ppb |
| Target Compounds | | | |

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

Quantitation Report

Data File: G:\APOLLO\DATA\210823\823009.D
Sample : DMO Curve 7



TPH Extractables
DOC0823

Form 7

# Second Source Calibration

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

SDG No:
Date Analyzed: 8/23/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 823010.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2402860 | 16 | HATML | 11 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808020 | 1847660 | 2.2 | HBTM | |
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| | | Average | | | 9.1 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823010.D Vial: 10
Acq On : 8-23-21 21:41:26 Operator: KA
Sample : DMO Second Source Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

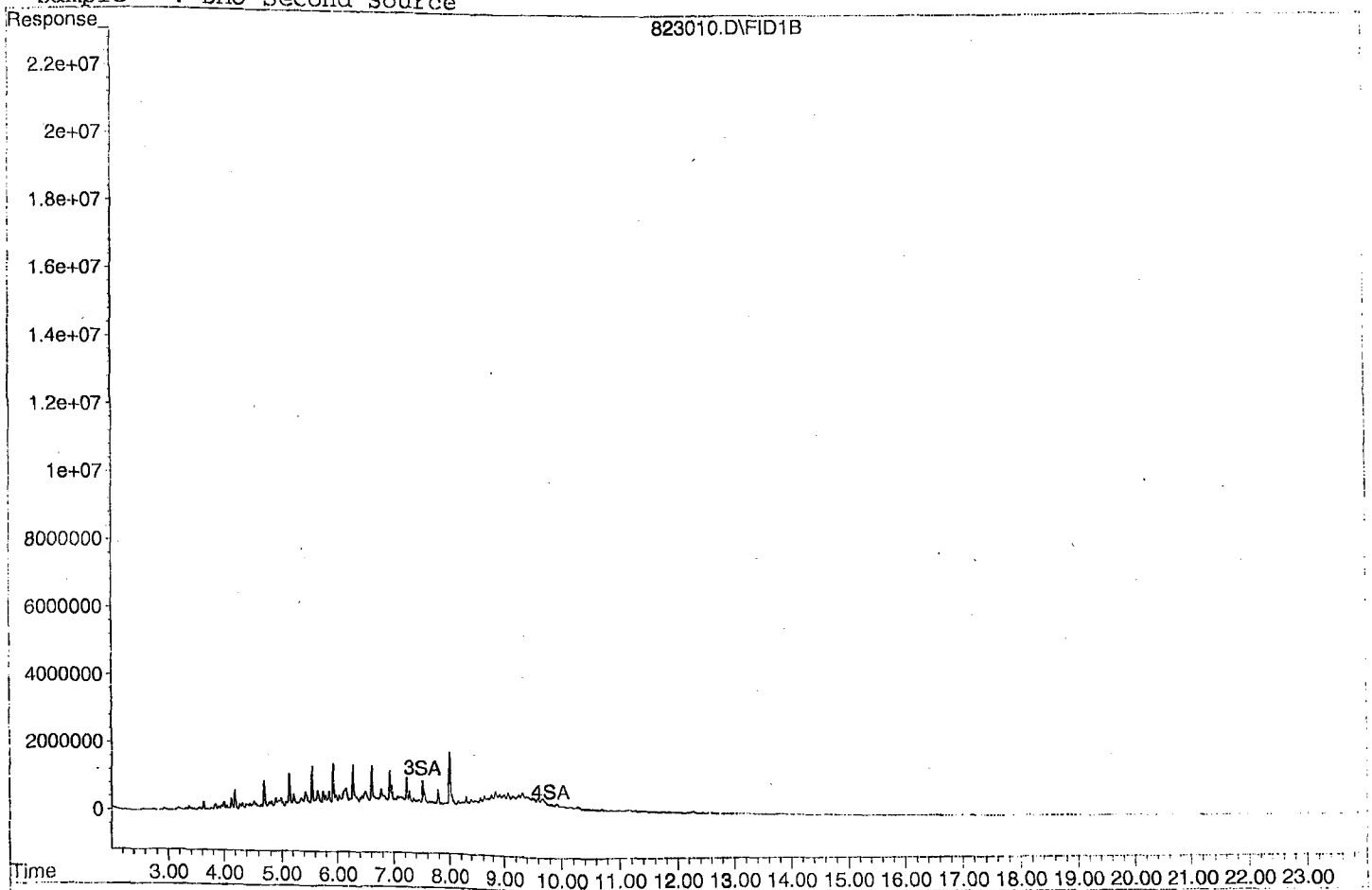
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

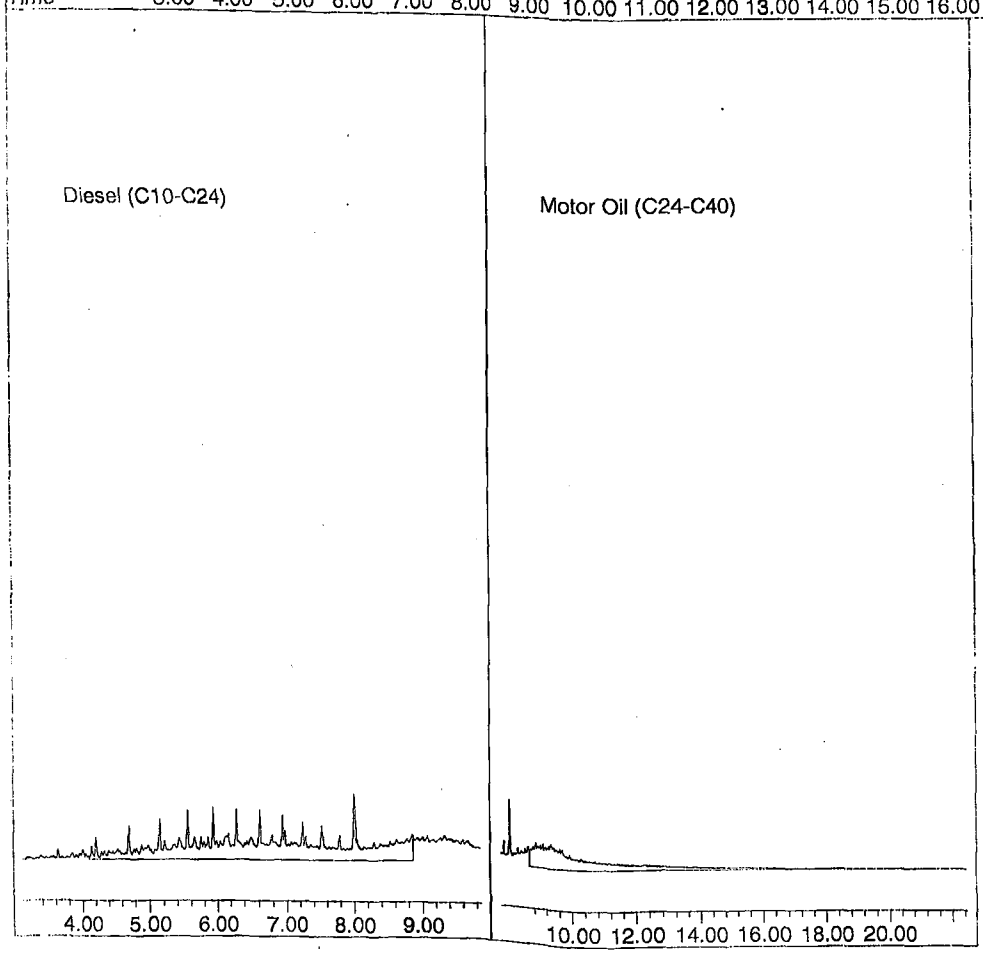
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 4634646 | 0.842 | ppb |
| Surrogate Spike 30.000 | Recovery | = | 2.81% | |
| 4) SA Octacosane(S) | 9.82 | 28821 | 0.007 | ppb |
| Surrogate Spike 30.000 | Recovery | = | 0.02% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1201427982 | 277.847 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 923832014 | 255.481 | ppb |

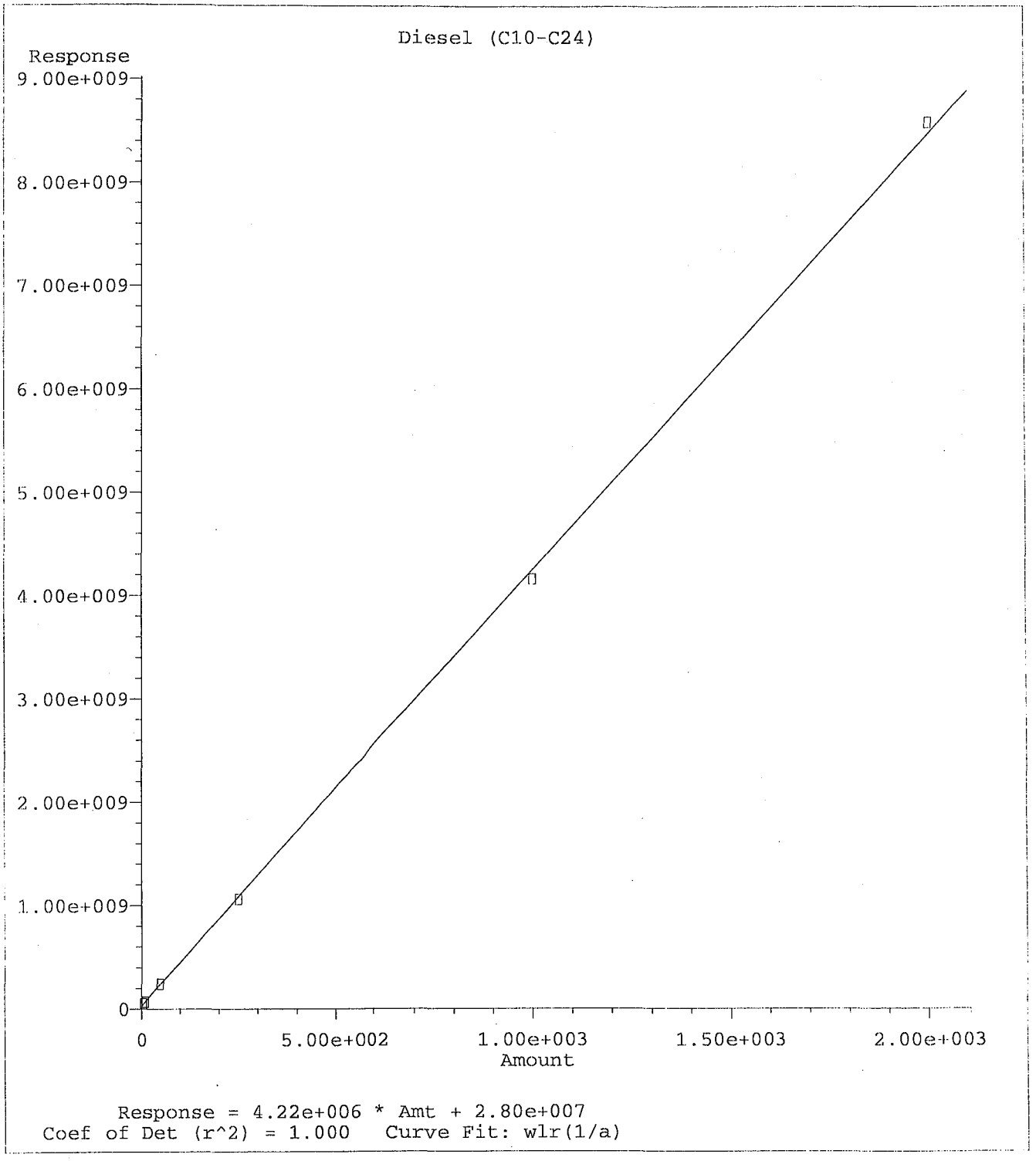
Target Compounds

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

Data File: G:\APOLLO\DATA\210823\823010.D
Sample : DMO Second Source






Method Name: G:\APOLLO\DATA\210823\DOC0823.M
Calibration Table Last Updated: Tue Aug 24 09:02:26 2021

TPH Extractables
DOC0823

Form 7
## Continuing Calibration

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

SDG No:
Date Analyzed: 8/24/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824005.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2091650 | 27 | HATML | 3.6 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808560 | 1586860 | 12 | HBTM | |
| 3 | SA | Ortho-Terphenyl(S) | 2781050 | 2610820 | 6.1 | SA | |
| 4 | SA | Octacosane(S) | 2114990 | 1977540 | 6.5 | SA | |
| 5 | | | | | | | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 12.9 | | |

Quantitation Report (Not Reviewed)

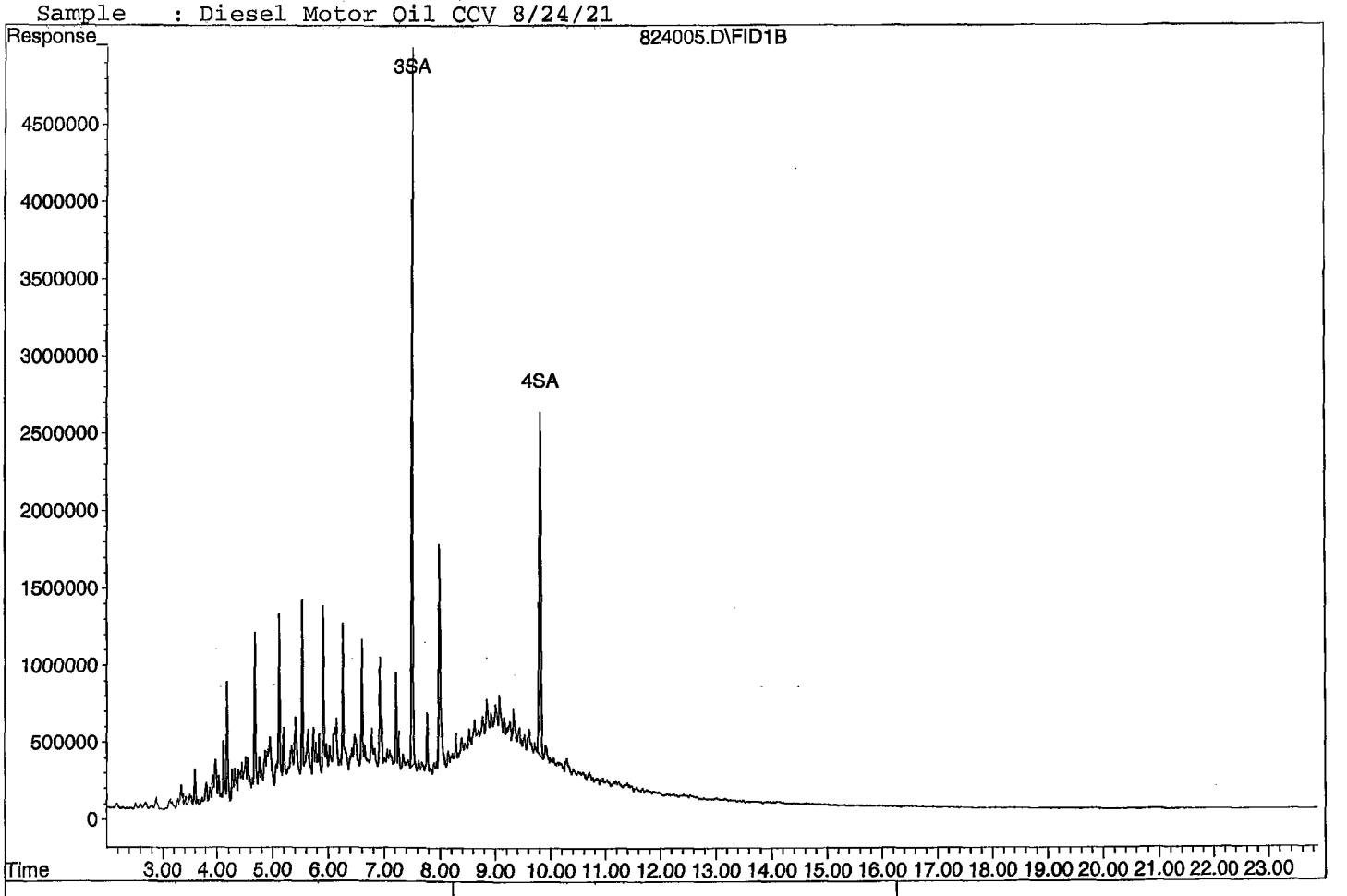
Data File : G:\APOLLO\DATA\210824\824005.D Vial: 5
Acq On : 8-24-21 16:55:44 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 17:21 2021 Quant Results File: DOC0823.RES

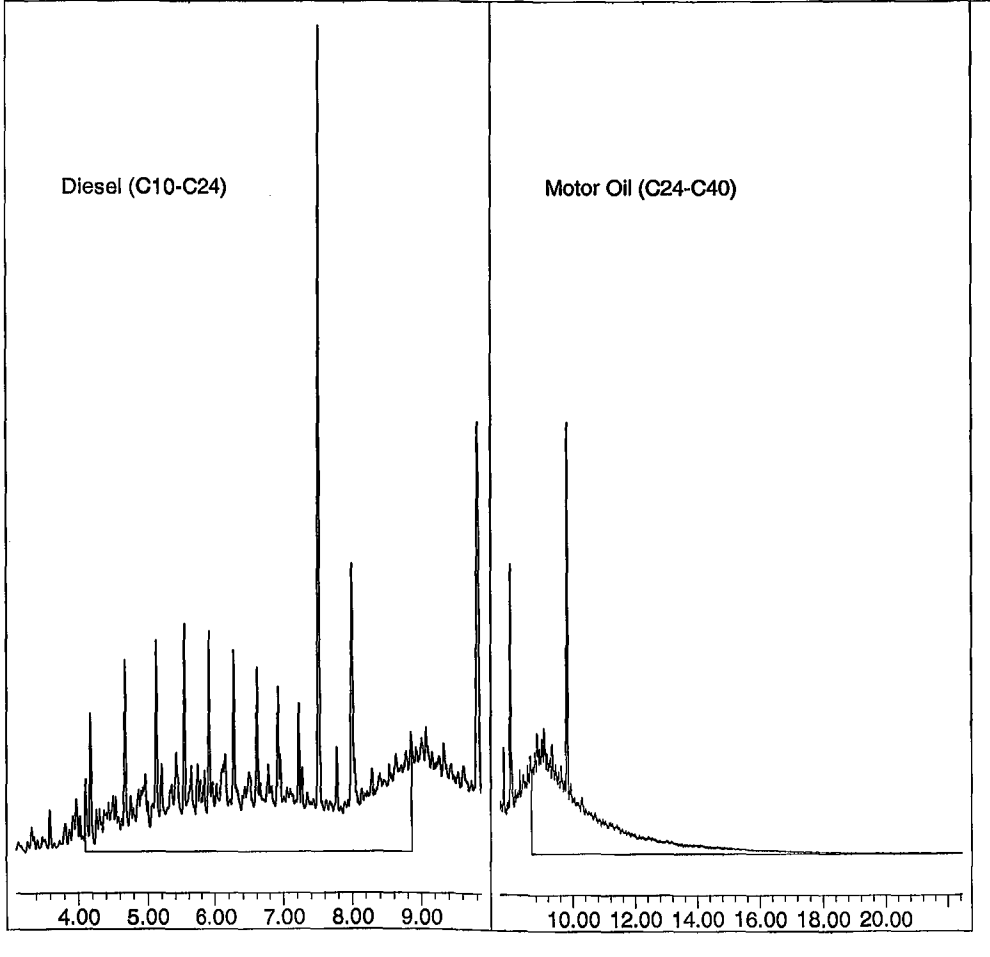
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID2A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 65270462 | 11.735 ppb |
| Surrogate Spike 30.000 | Recovery = | | 39.12% |
| 4) SA Octacosane(S) | 9.81 | 49438589 | 11.688 ppb |
| Surrogate Spike 30.000 | Recovery = | | 38.96% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1045823106 | 241.001 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 793430766 | 219.354 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824005.D
Sample : Diesel Motor Oil CCV 8/24/21



TPH Extractables
DOC0823

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/24/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824013.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2208000 | 23 | HATML | 1.9 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808560 | 1886010 | 4.3 | HBTM | |
| 3 | SA | Ortho-Terphenyl(S) | 2781050 | 2723540 | 2.1 | SA | |
| 4 | SA | Octacosane(S) | 2114990 | 2060260 | 2.6 | SA | |
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| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 8.0 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824013.D Vial: 13
Acq On : 8-24-21 20:44:27 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 25 8:40 2021 Quant Results File: DOC0823.RES

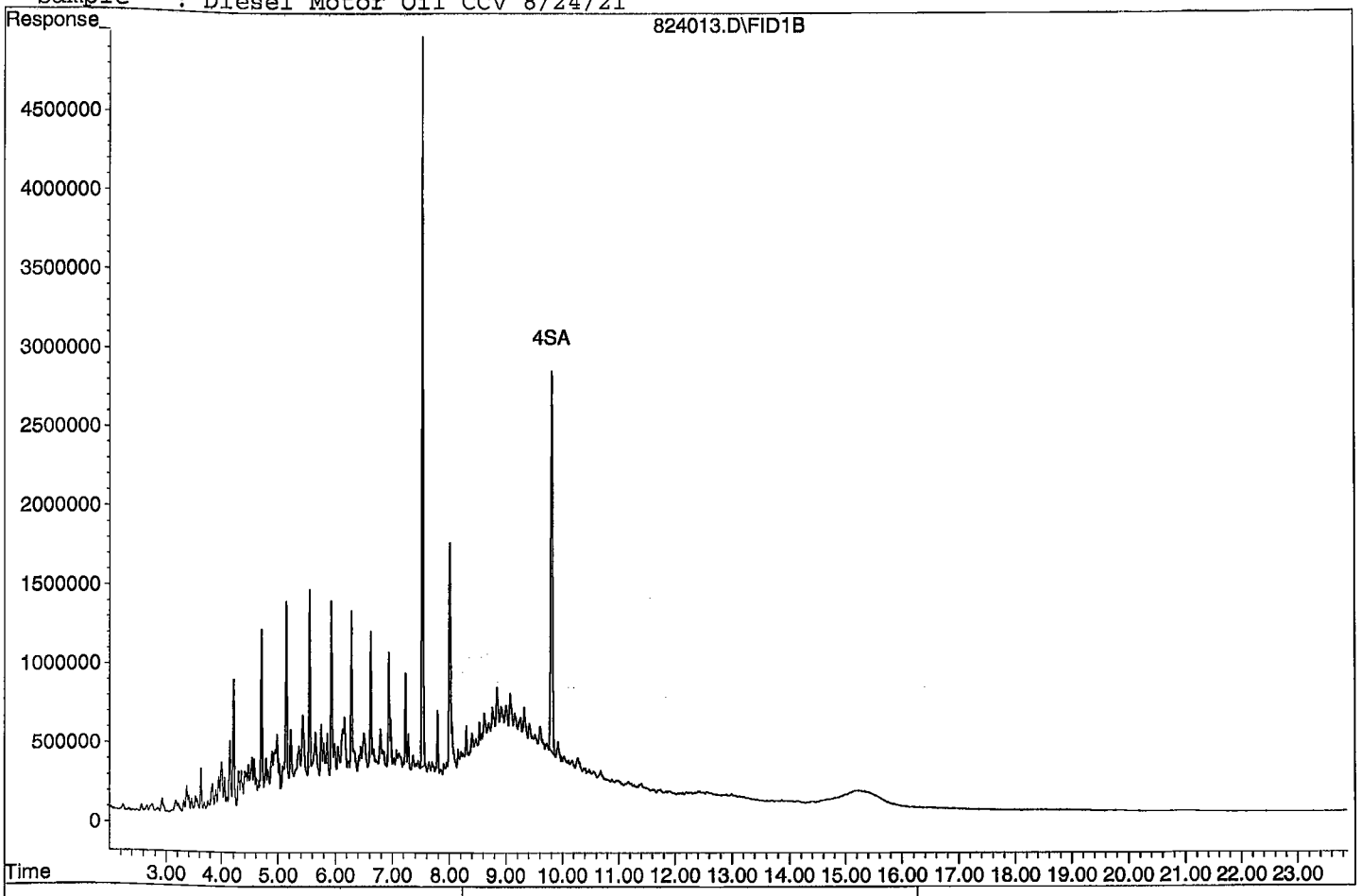
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

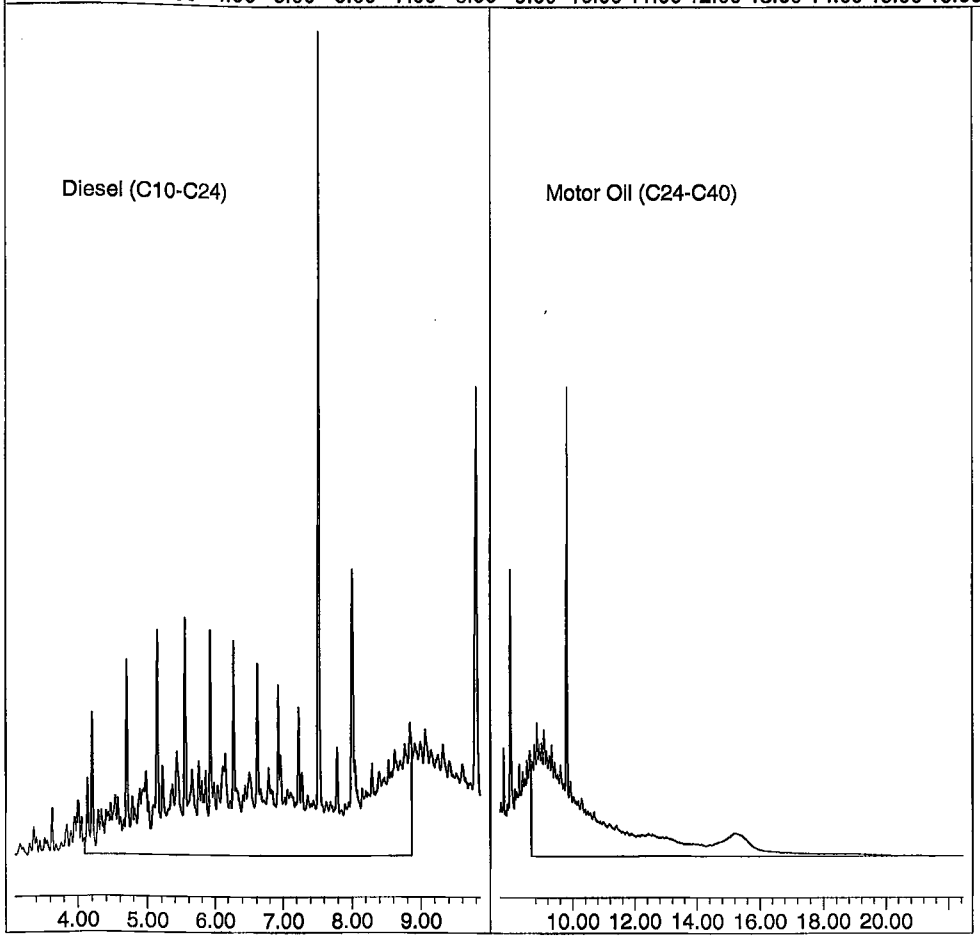
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 68088599 | 12.242 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.81% |
| 4) SA Octacosane(S) | 9.80 | 51506526 | 12.177 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.59% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1103998838 | 254.777 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 943003841 | 260.705 ppb |

Target Compounds

Data File: G:\APOLLO\DATA\210824\824013.D
Sample : Diesel Motor Oil CCV 8/24/21



# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

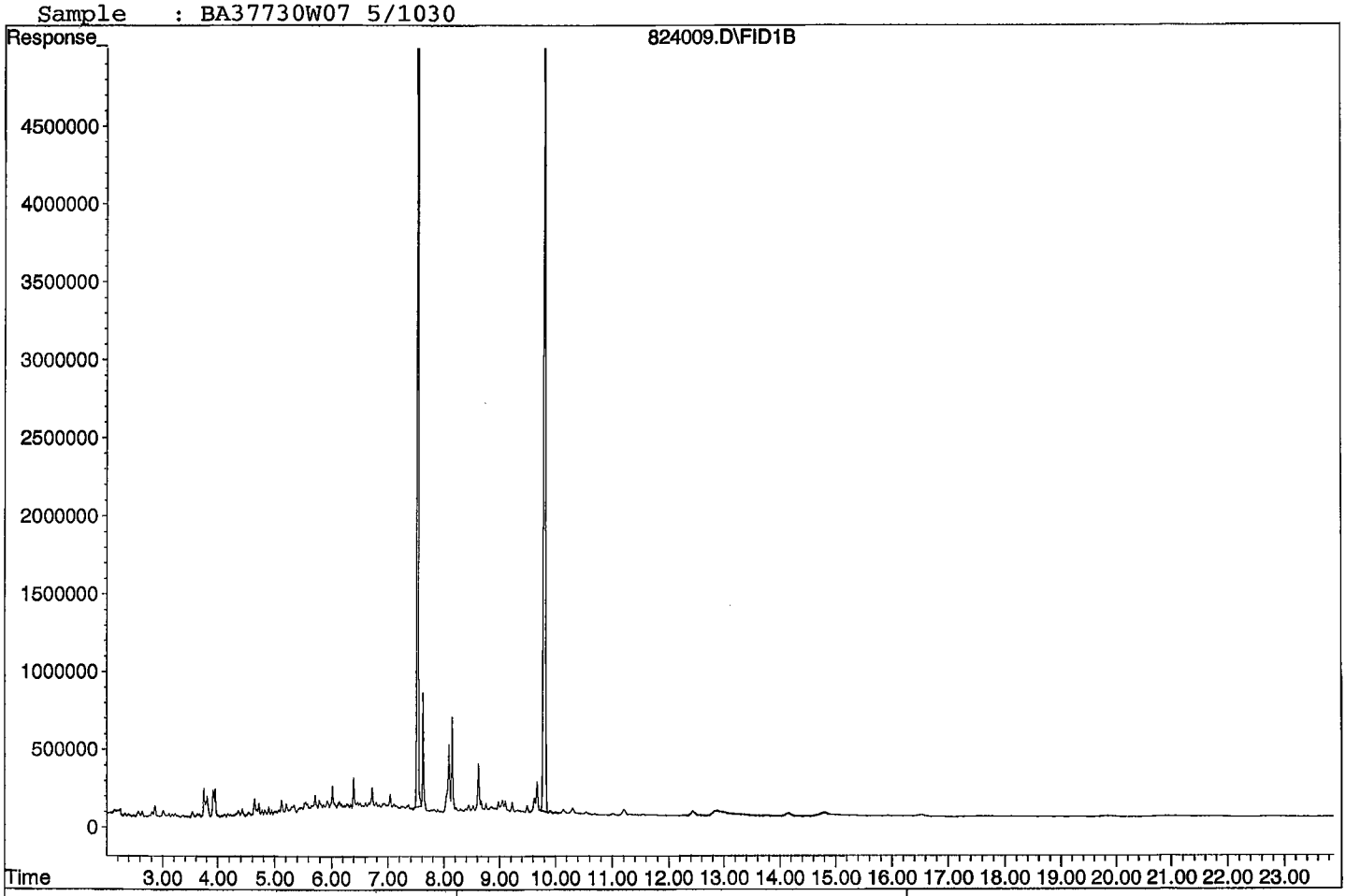
Data File : G:\APOLLO\DATA\210824\824009.D Vial: 9
Acq On : 8-24-21 18:50:03 Operator: KA
Sample : BA37730W07 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

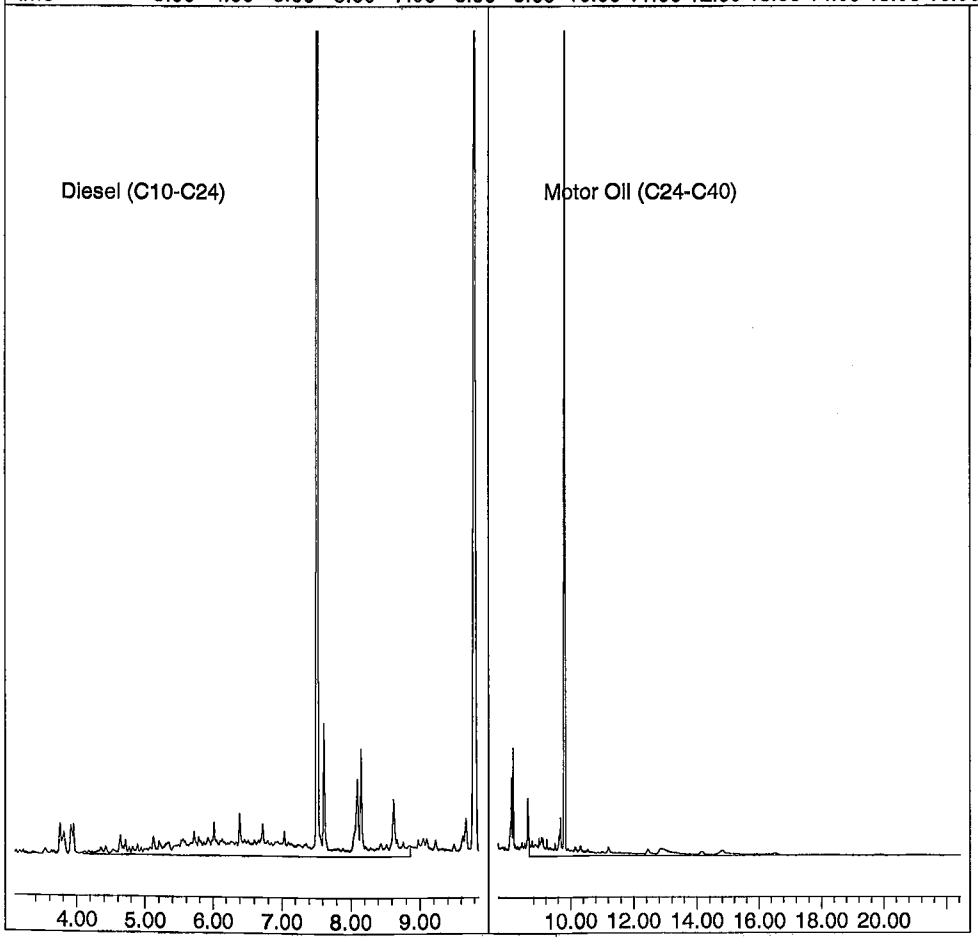
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 137066866 | 119.626 ppb |
| Surrogate Spike 145.631 | | Recovery = | 82.14% |
| 4) SA Octacosane(S) | 9.80 | 119925265 | 137.627 ppb |
| Surrogate Spike 145.631 | | Recovery = | 94.50% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 206196893 | 204.786 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 122801884 | 164.806 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824009.D
Sample : BA37730W07 5/1030



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824010.D Vial: 10
Acq On : 8-24-21 19:18:43 Operator: KA
Sample : BA37733W08 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

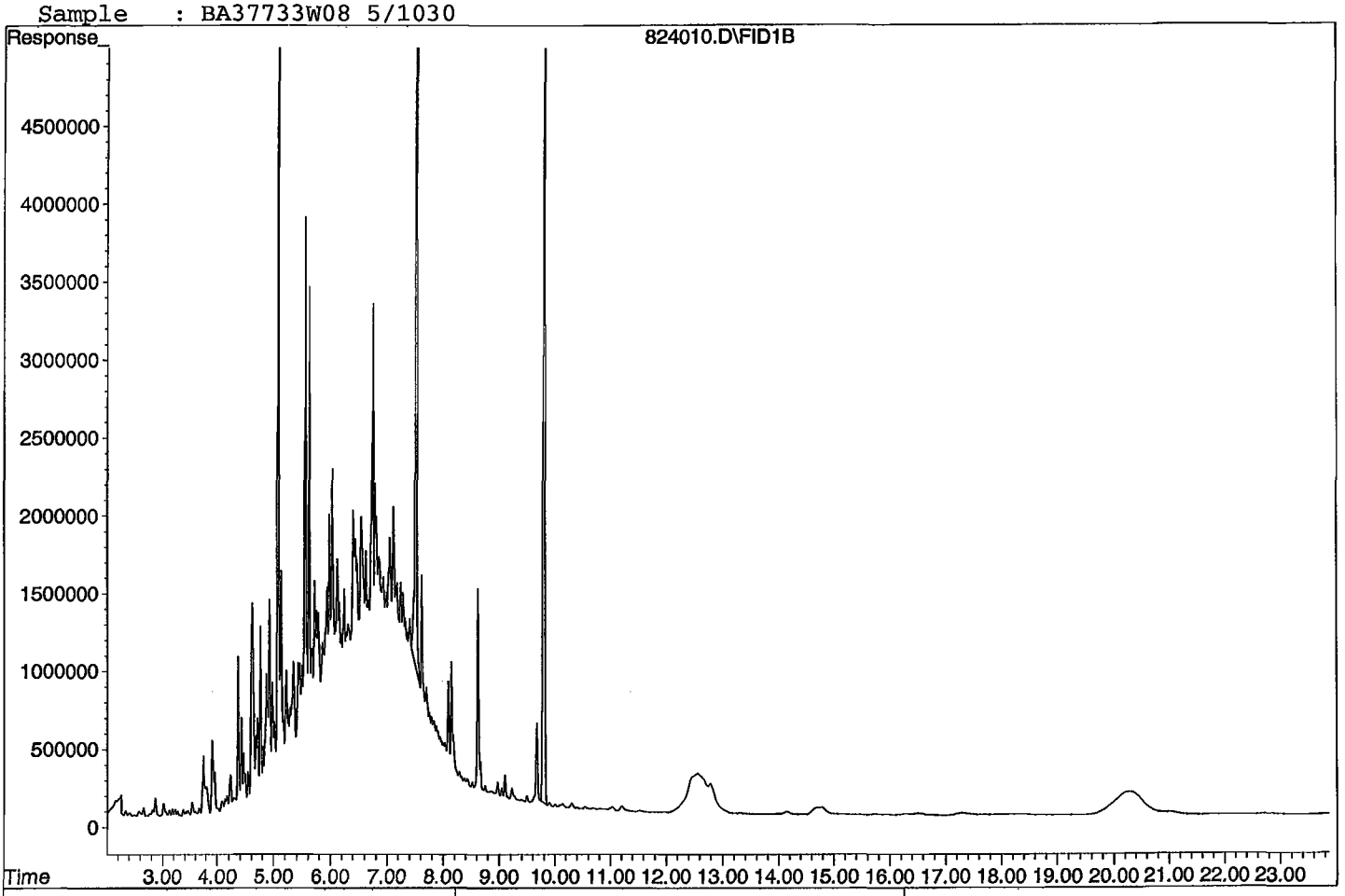
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

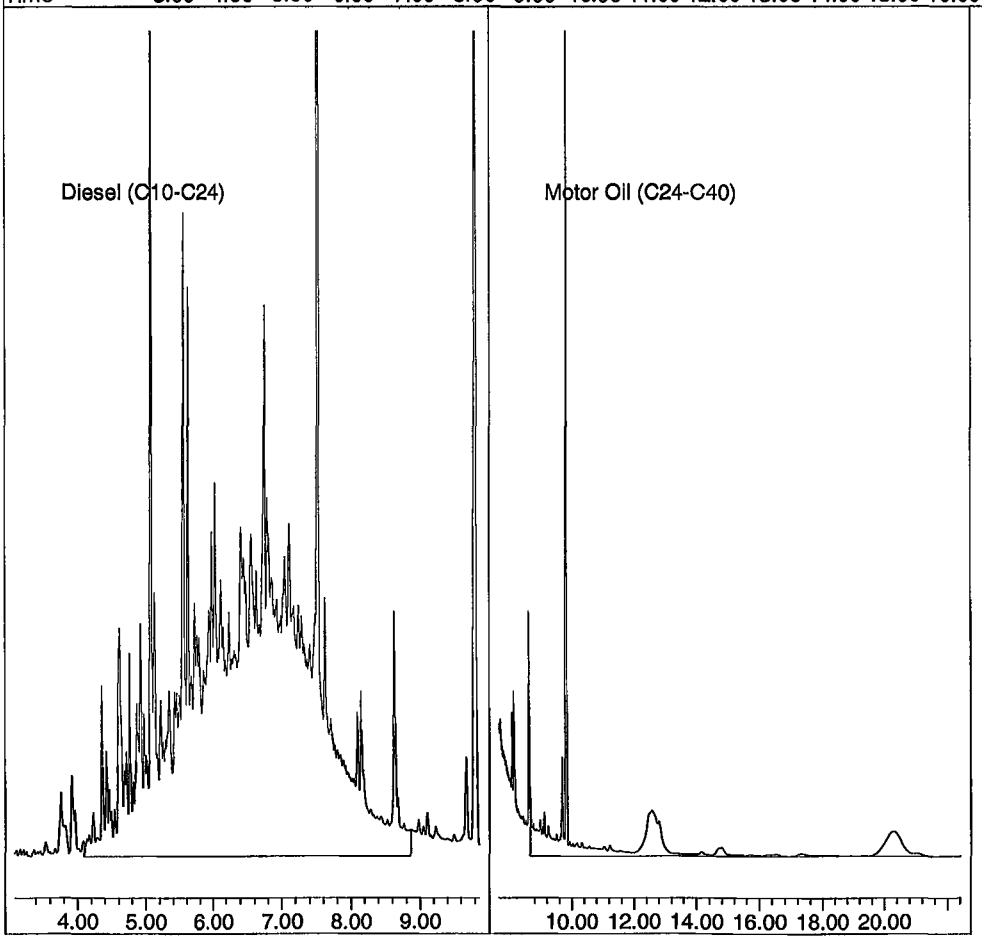
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 140182955 | 122.346 ppb |
| Surrogate Spike 145.631 | | Recovery = | 84.01% |
| 4) SA Octacosane(S) | 9.80 | 120032943 | 137.751 ppb |
| Surrogate Spike 145.631 | | Recovery = | 94.59% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 2614370269 | 2972.904 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 355941174 | 477.691 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824010.D
Sample : BA37733W08 5/1030



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824011.D Vial: 11
Acq On : 8-24-21 19:47:30 Operator: KA
Sample : BA37736W07 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

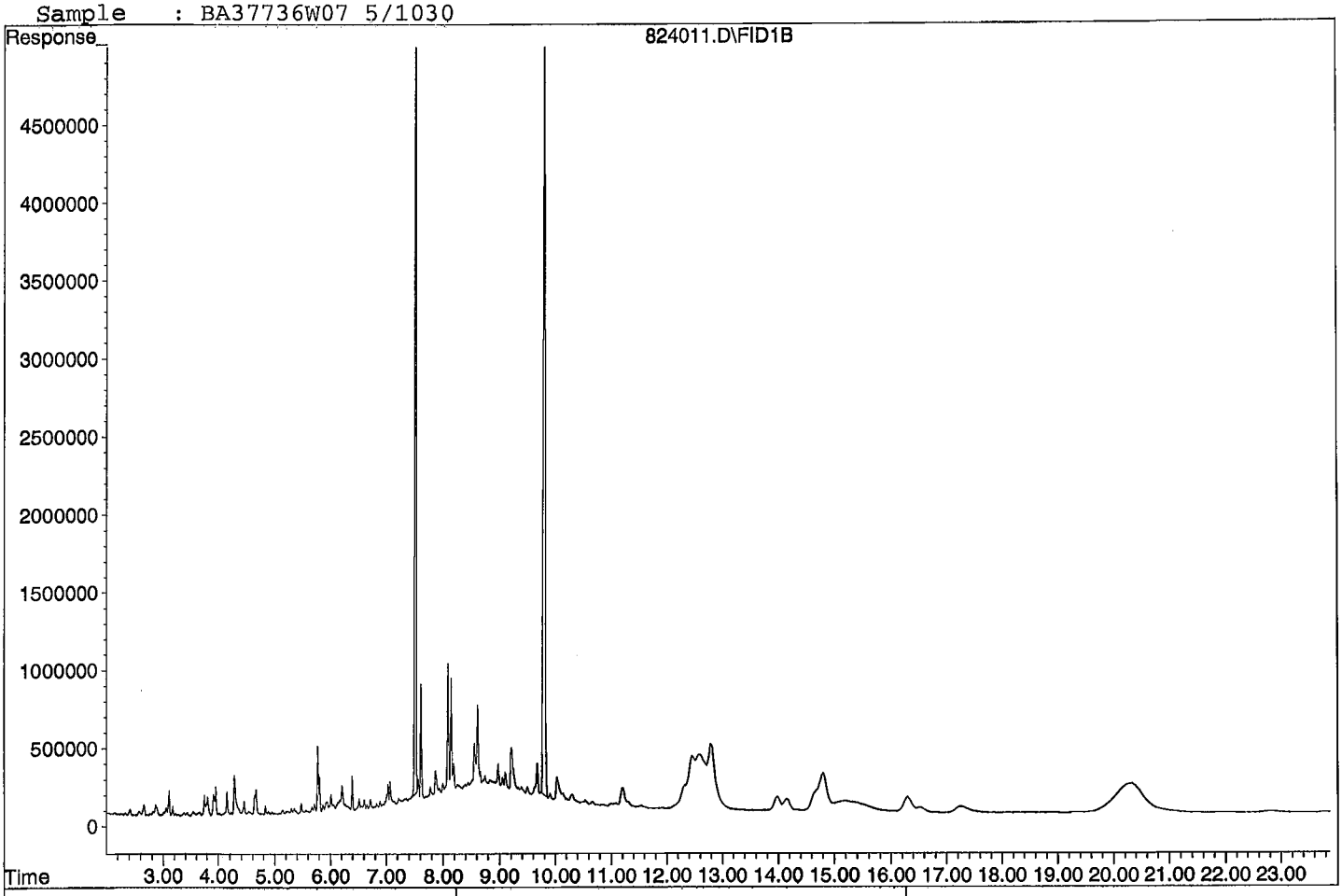
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

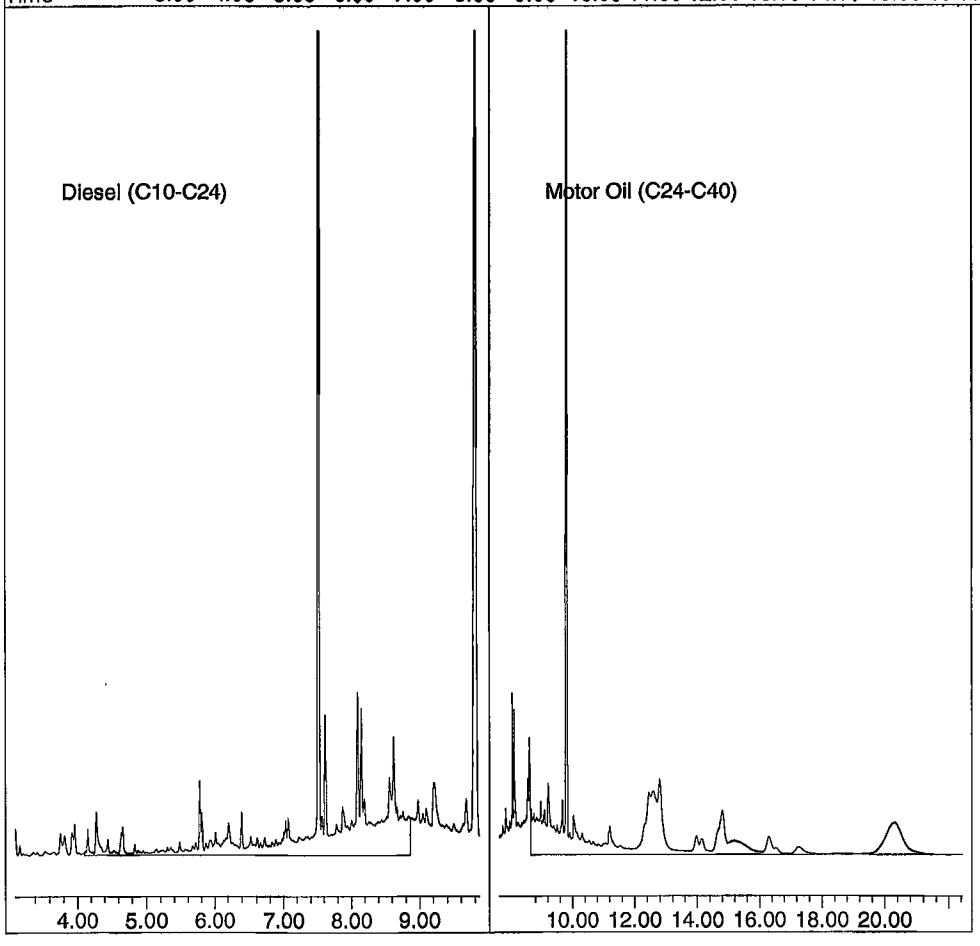
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 126918833 | 110.770 ppb |
| Surrogate Spike 145.631 | | Recovery = | 76.06% |
| 4) SA Octacosane(S) | 9.80 | 118409839 | 135.888 ppb |
| Surrogate Spike 145.631 | | Recovery = | 93.31% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 330652415 | 347.843 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 587260677 | 788.134 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824011.D
Sample : BA37736W07 5/1030



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824012.D Vial: 12
Acq On : 8-24-21 20:15:57 Operator: KA
Sample : BA37739W07 5/1040 Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

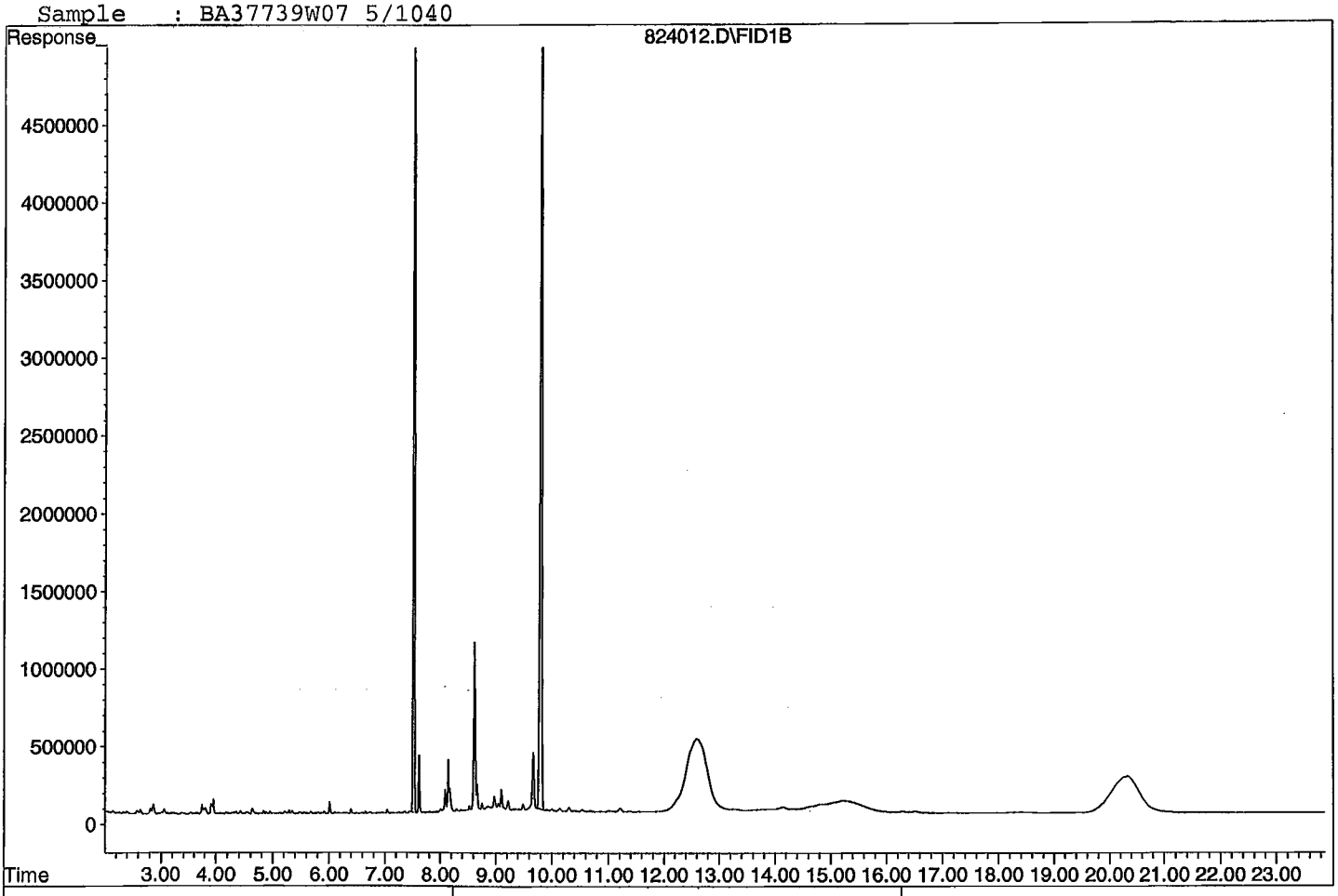
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

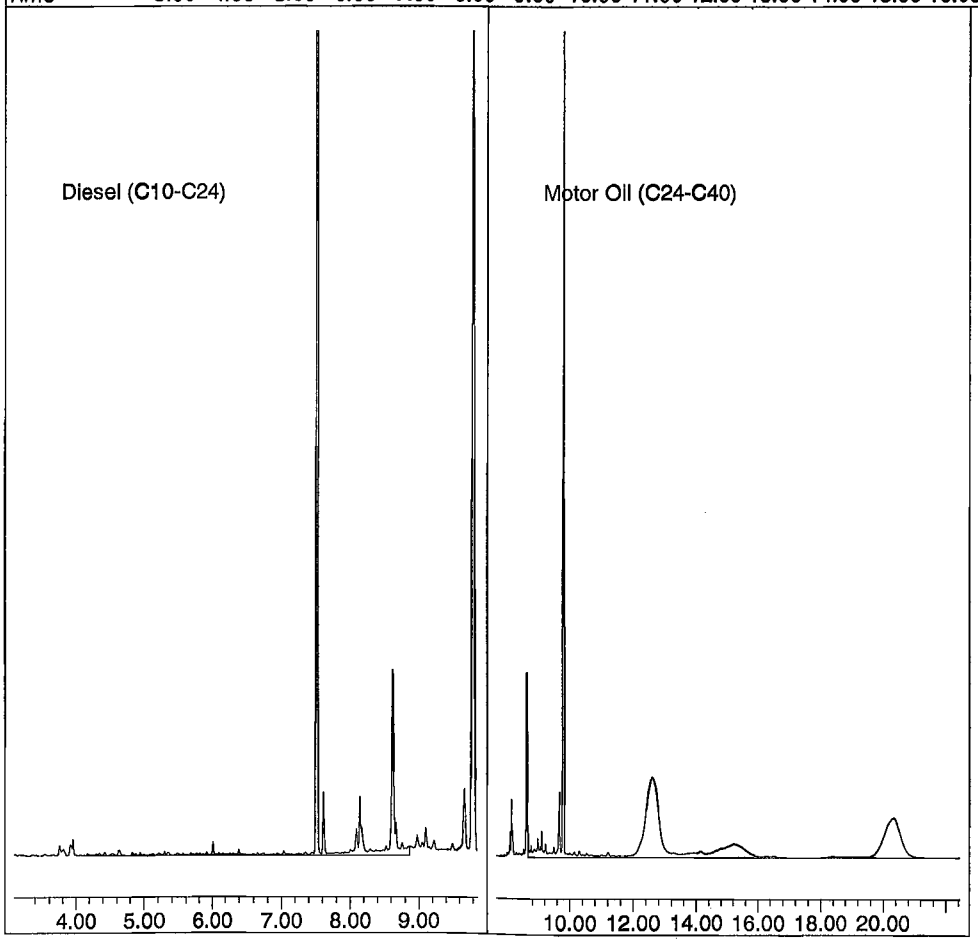
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 132049380 | 114.139 ppb |
| Surrogate Spike 144.231 | | Recovery = | 79.14% |
| 4) SA Octacosane(S) | 9.80 | 120391209 | 136.834 ppb |
| Surrogate Spike 144.231 | | Recovery = | 94.87% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 72258034 | 50.338 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 359497390 | 477.824 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824012.D
Sample : BA37739W07 5/1040



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824006.D Vial: 6
Acq On : 8-24-21 17:24:09 Operator: KA
Sample : 210818A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 22 9:44 2021 Quant Results File: DOC0823.RES

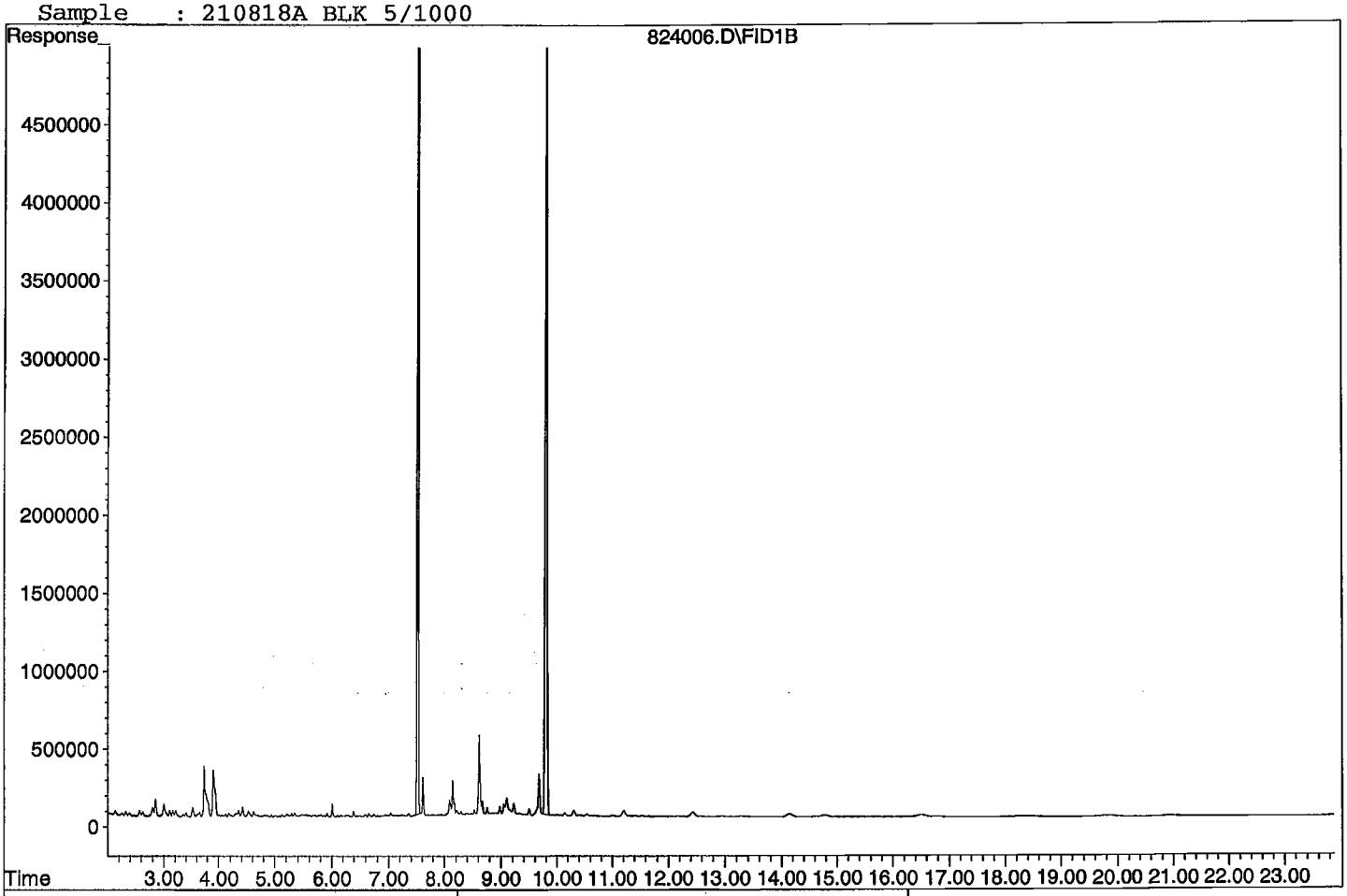
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

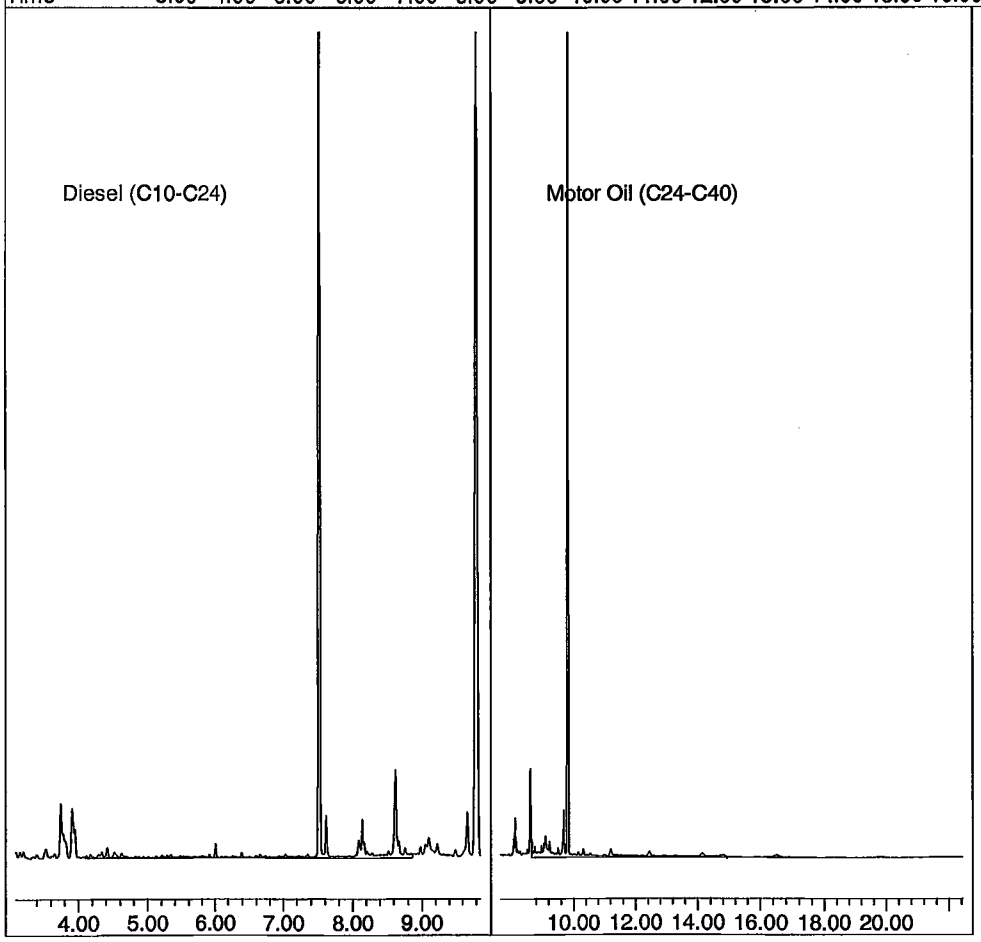
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID2A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 10590787 | 132.942 ppb |
| Surrogate Spike 150.000 | | Recovery = | 88.63% |
| 4) SA Octacosane(S) | 9.80 | 5483201 | 147.164 ppb |
| Surrogate Spike 150.000 | | Recovery = | 98.11% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 174675038 | 160.697 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 188878786 | 230.303 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210824\824006.D
Sample : 210818A BLK 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824007.D Vial: 7
Acq On : 8-24-21 17:52:51 Operator: KA
Sample : 210818A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

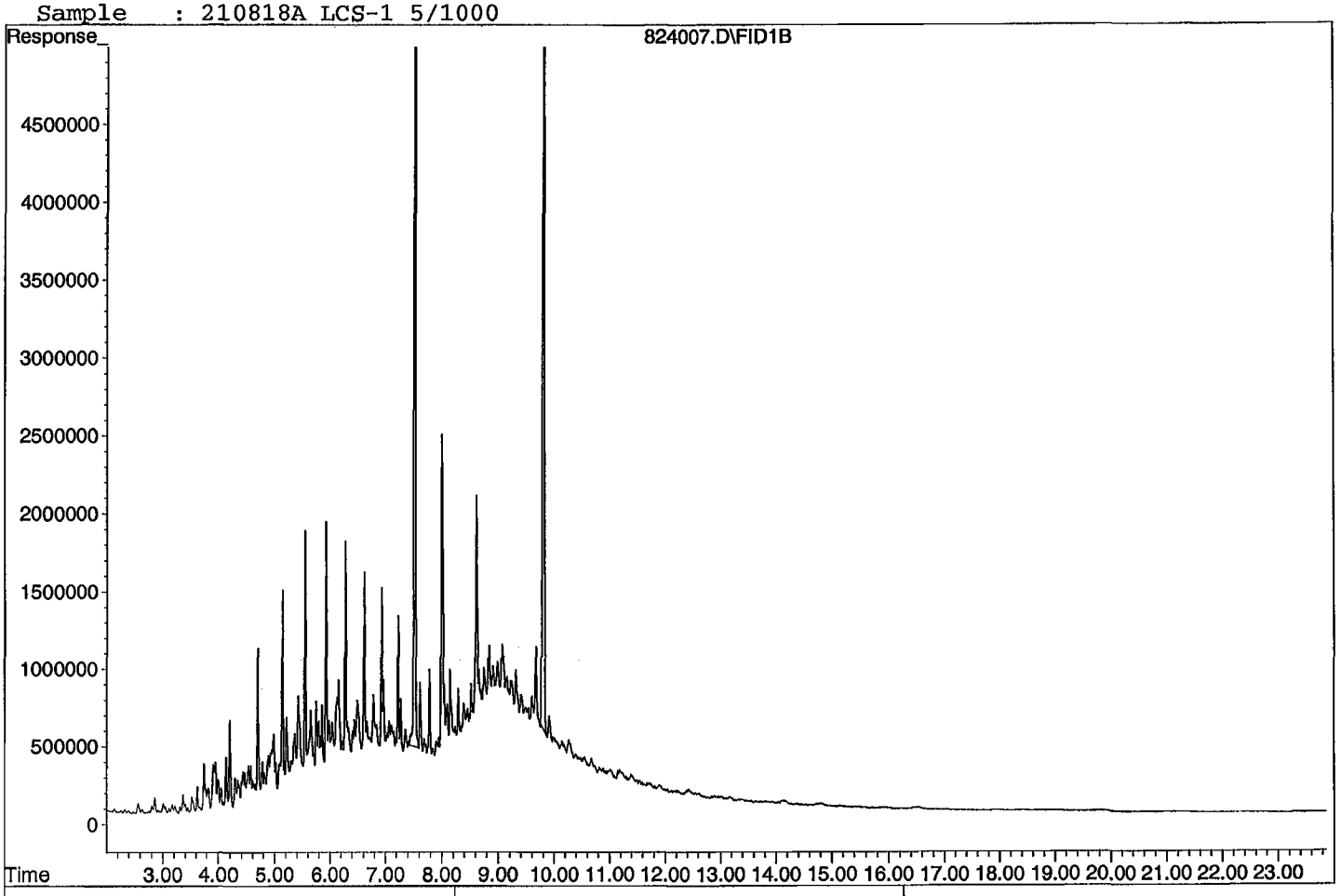
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

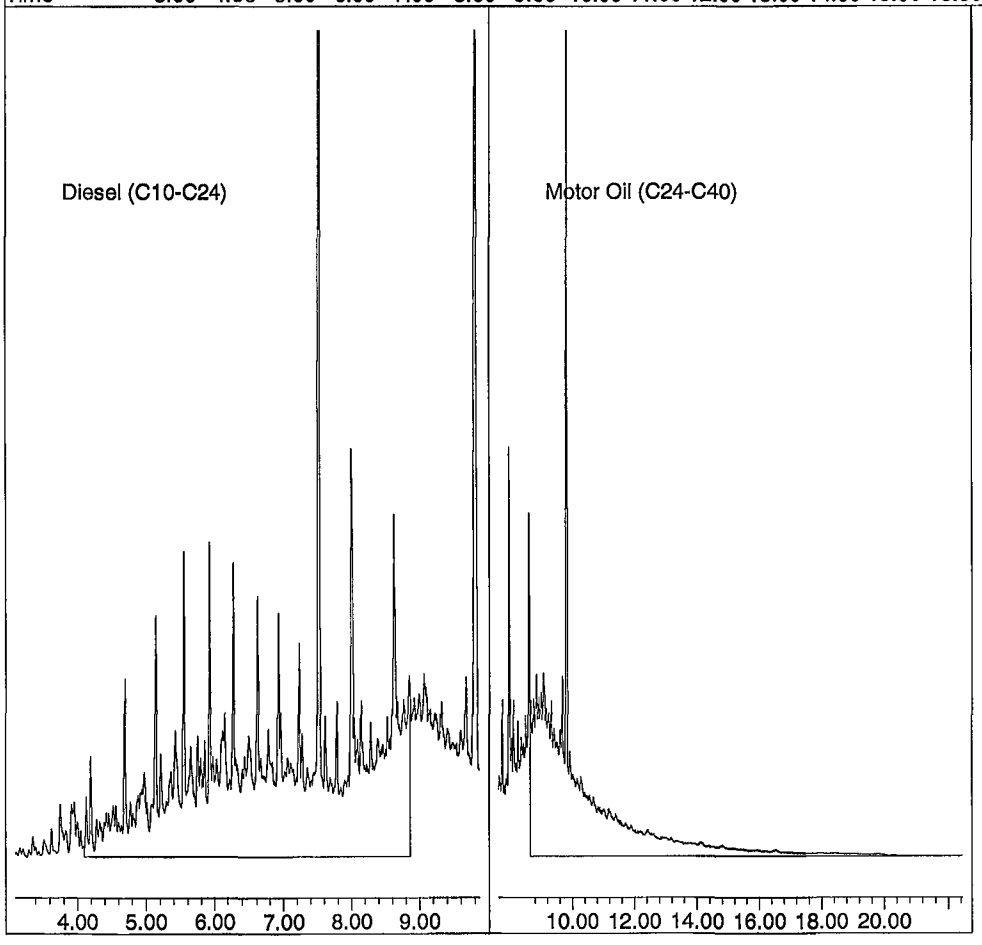
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.51 | 145069932 | 130.409 ppb |
| Surrogate Spike 150.000 | | Recovery = | 86.94% |
| 4) SA Octacosane(S) | 9.80 | 114148902 | 134.928 ppb |
| Surrogate Spike 150.000 | | Recovery = | 89.95% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1493632584 | 1735.191 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 1179387359 | 1630.282 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210824\824007.D
Sample : 210818A LCS-1 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824008.D Vial: 8
Acq On : 8-24-21 18:21:25 Operator: KA
Sample : 210818A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:46 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Wed Sep 22 08:13:24 2021
Response via : Multiple Level Calibration

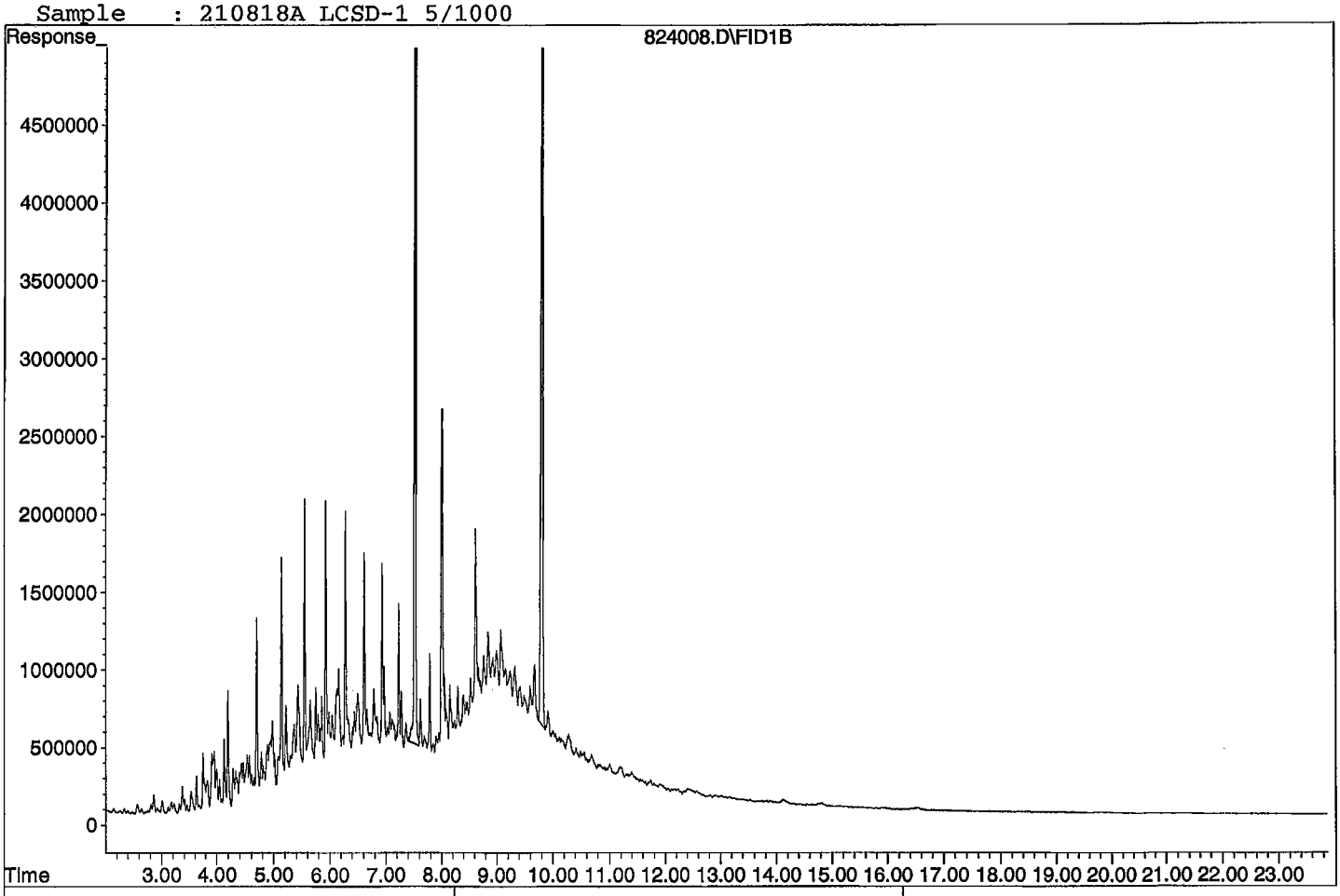
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

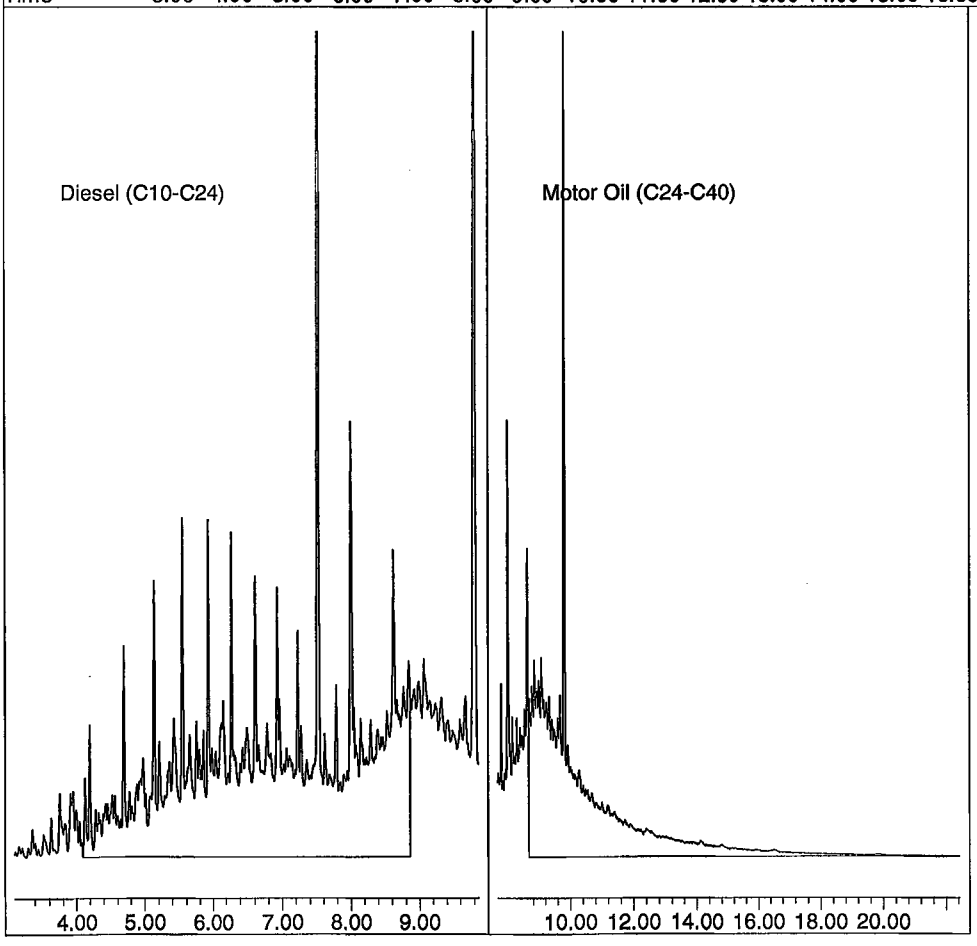
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 152828338 | 137.384 ppb |
| Surrogate Spike 150.000 | | Recovery = | 91.59% |
| 4) SA Octacosane(S) | 9.80 | 120351011 | 142.259 ppb |
| Surrogate Spike 150.000 | | Recovery = | 94.84% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1622766982 | 1888.080 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 1273329093 | 1760.138 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210824\824008.D
Sample : 210818A LCSD-1 5/1000



LIQ005SGC

# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH- 3520C w/SGC | Extraction Set | 210818A | Extraction Method | LIQ005SGC | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | Diesel Motor Oil Mix | | Surrogate ID 1 | THC Surrogate | |
| Spiked ID 2 | Decanoic 1000ug/mL Acid Solution | | 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: | | |
| Spiked ID 8 | | | Ext. End Time: | | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 2 | | Water Bath Temp 1 °C | |
| pH2 | | | Water Bath Temp 2 °C | |
| pH3 | | | Water Bath Temp 3 °C | |

**Spiked By:** **Date** **Witnessed By:** **Date**

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 210818A Blk | | 0.050 | 2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 2 | 210818A LCS-1 | | 0.080,0.050 | 1,2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 3 | 210818A LCSD-1 | | 0.080,0.050 | 1,2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 4 | BA37730 | BA37730W07 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 5 | BA37733 | BA37733W08 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 6 | BA37736 | BA37736W07 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 7 | BA37739 | BA37739W07 | 0.050 | 2 | 0.250 | 1 equip | 1040 | 5 | 2 | 08/18/21 10:39 | 97159 * |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 60282* |
| PH Strips | HC155968* |
| Dichloromethane (DCM) | 61117 |
| Filter Paper | 400181 * |
| Sodium Sulfate | 1662952203 |
| SILICA GEL (*) | * |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | |
| GC analyst's initials | CW |
| Date | 8/19/21 |
| Time | 11:35 |
| Refrigerator | Hobart |

| | Technician's Initials |
|---|---|
| Scanned By | YL |
| Sample Preparation | YL |
| Extraction | YL |
| Concentration | YL |
| | YL |
| Modified | 8/19/2021 2:56:26 PM |

**Reviewed By:** **Date**

# Injection Log

Directory: G:\APOLLO\DATA\210823\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 823003.D | 1 | DMO Curve 1 | water | 8-23-21 18:21:55 |
| 2 | 4 | 823004.D | 1 | DMO Curve 2 | water | 8-23-21 18:50:30 |
| 3 | 5 | 823005.D | 1 | DMO Curve 3 | water | 8-23-21 19:18:55 |
| 4 | 6 | 823006.D | 1 | DMO Curve 4 | water | 8-23-21 19:47:24 |
| 5 | 7 | 823007.D | 1 | DMO Curve 5 | water | 8-23-21 20:15:46 |
| 6 | 8 | 823008.D | 1 | DMO Curve 6 | water | 8-23-21 20:44:20 |
| 7 | 9 | 823009.D | 1 | DMO Curve 7 | water | 8-23-21 21:12:52 |
| 8 | 10 | 823010.D | 1 | DMO Second Source | water | 8-23-21 21:41:26 |
| 9 | 5 | 824005.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-24-21 16:55:44 |
| 10 | 6 | 824006.D | 5 | 210818A BLK 5/1000 | water | 8-24-21 17:24:09 |
| 11 | 7 | 824007.D | 5 | 210818A LCS-1 5/1000 | water | 8-24-21 17:52:51 |
| 12 | 8 | 824008.D | 5 | 210818A LCSD-1 5/1000 | water | 8-24-21 18:21:25 |
| 13 | 9 | 824009.D | 4.85437 | BA37730W07 5/1030 | water | 8-24-21 18:50:03 |
| 14 | 10 | 824010.D | 4.85437 | BA37733W08 5/1030 | water | 8-24-21 19:18:43 |
| 15 | 11 | 824011.D | 4.85437 | BA37736W07 5/1030 | water | 8-24-21 19:47:30 |
| 16 | 12 | 824012.D | 4.80769 | BA37739W07 5/1040 | water | 8-24-21 20:15:57 |
| 17 | 13 | 824013.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-24-21 20:44:27 |

# ORGANICS

## Calibration Data

TPH Extractables
DOC0831

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/30/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | | 830004.D | 830005.D | 830006.D | 830007.D | 830008.D | 830009.D | 830010.D | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q |
| 1 | HATM | Diesel (C10-C24) | 1996096 | 2096504 | 2044980 | 1954573 | 1978127 | 1986289 | 2080607 | | | | 2019597 | 2.7 | HATM | | |
| 2 | HBTML | Motor Oil (C24-C40) | 4145119 | 2435540 | 1673061 | 1536974 | 1493779 | 1466134 | 1500171 | | | | 2035825 | 49 | HBTM | 1.000 | |
| 3 | SA | Ortho-Terphenyl(S) | 2853226 | 2657484 | 2628989 | 2539846 | 2469795 | 2419311 | 2566361 | | | | 2590716 | 5.5 | SA | | |
| 4 | SA | Octacosane(S) | 2110335 | 1874119 | 1915976 | 1916647 | 1876549 | 1864260 | 1926753 | | | | 1926377 | 4.4 | 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 | | | | | | | | | | | | | | | | | |

1.751305

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830004.D Vial: 4
Acq On : 8-30-21 14:23:31 Operator: KA
Sample : DMO STD Curve 1 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

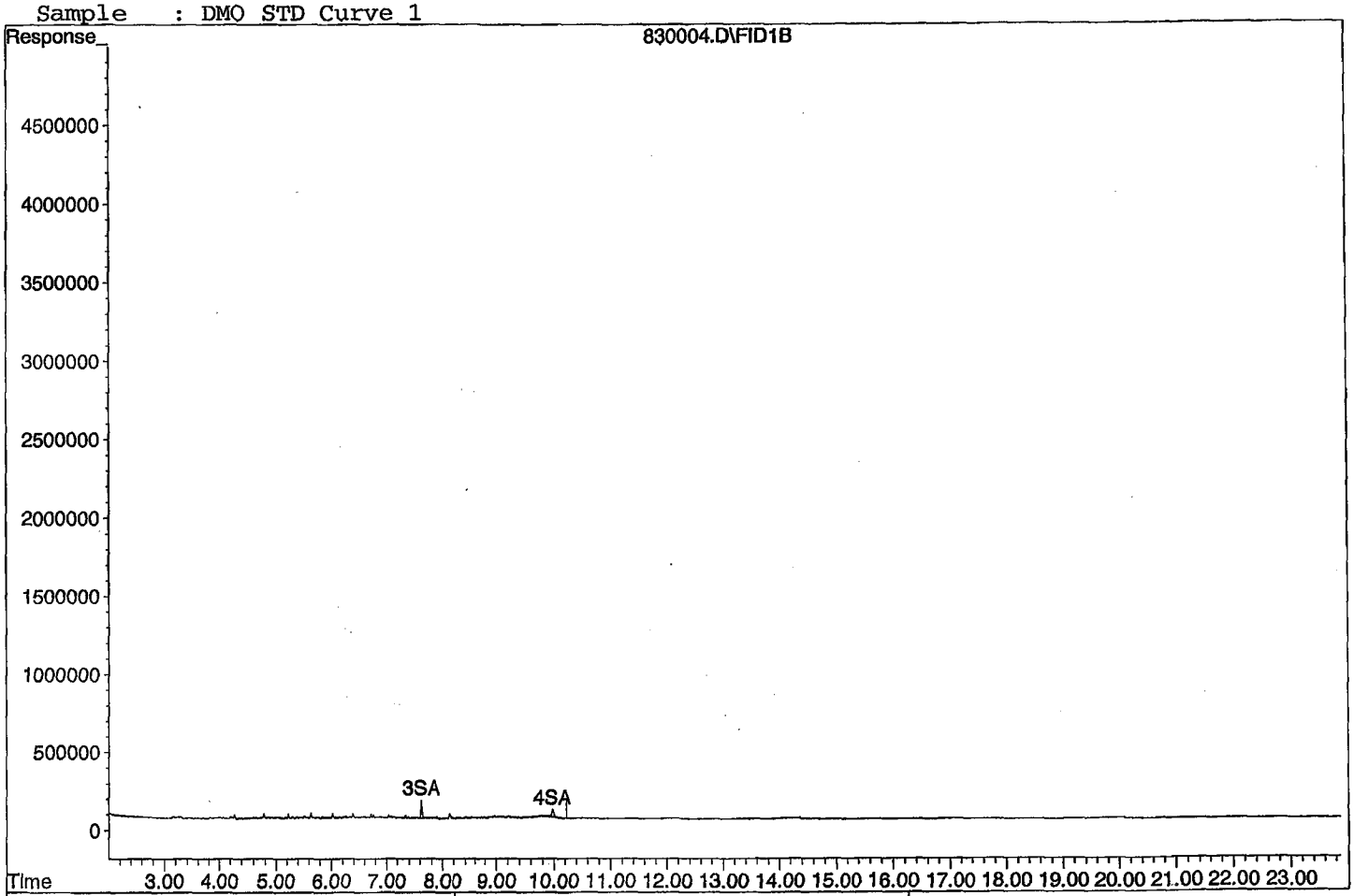
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

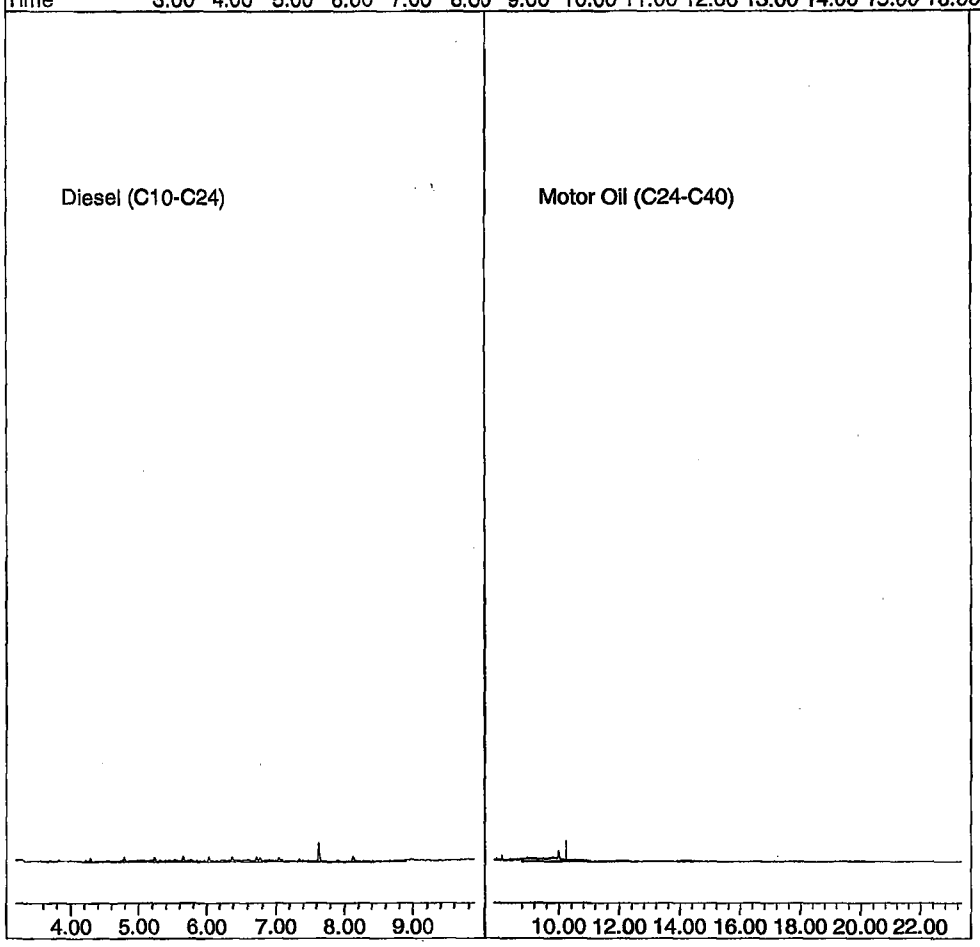
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 1426613 | 0.275 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.92% |
| 4) SA Octacosane(S) | 9.98 | 1055167 | 0.274 ppb |
| Surrogate Spike 30.000 | Recovery = | | 0.91% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 19960961 | 4.942 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 41451191 | 5.936 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210830\830004.D
Sample : DMO STD Curve 1



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830005.D Vial: 5
Acq On : 8-30-21 14:52:00 Operator: KA
Sample : DMO STD Curve 2 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

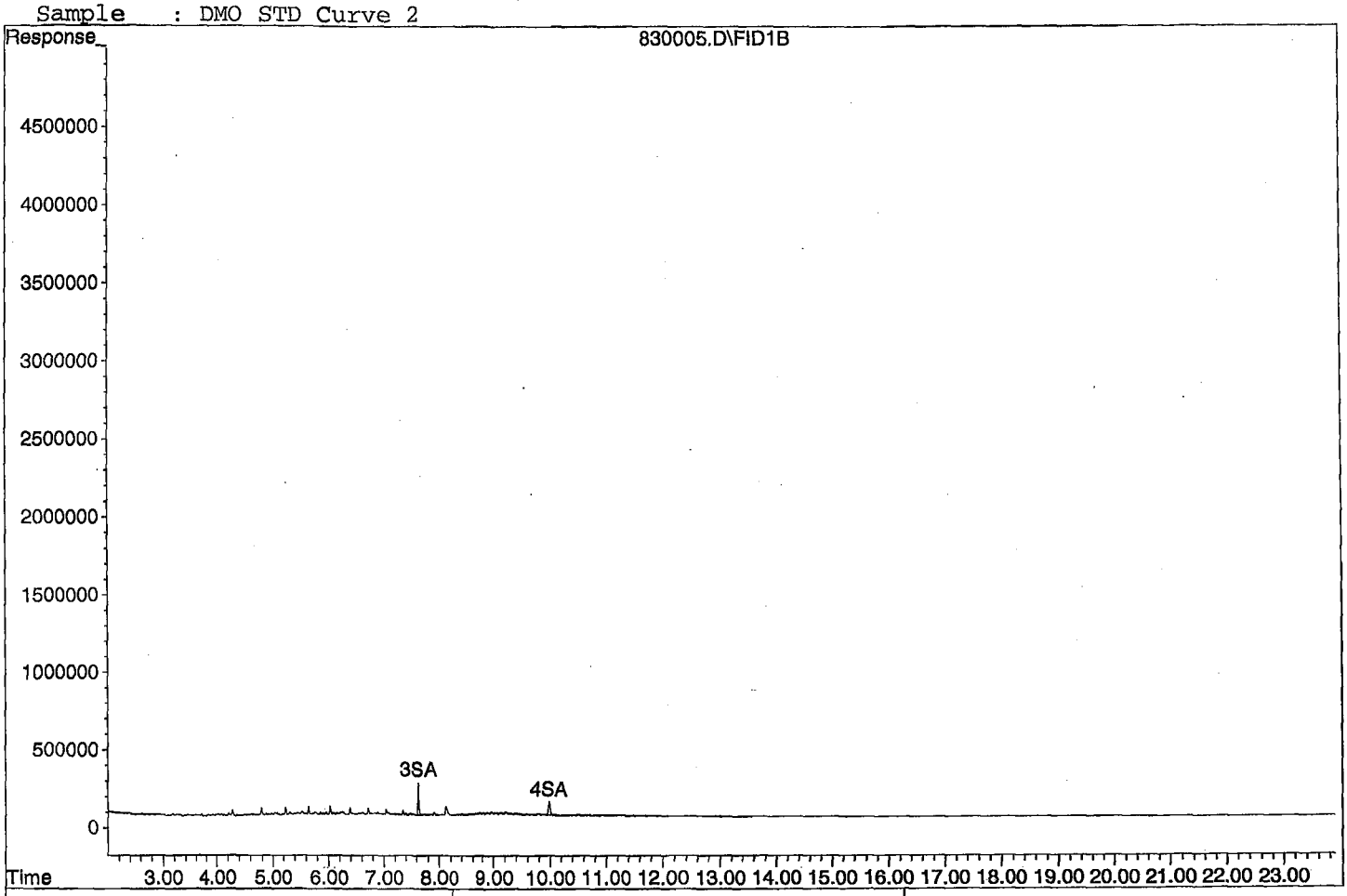
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

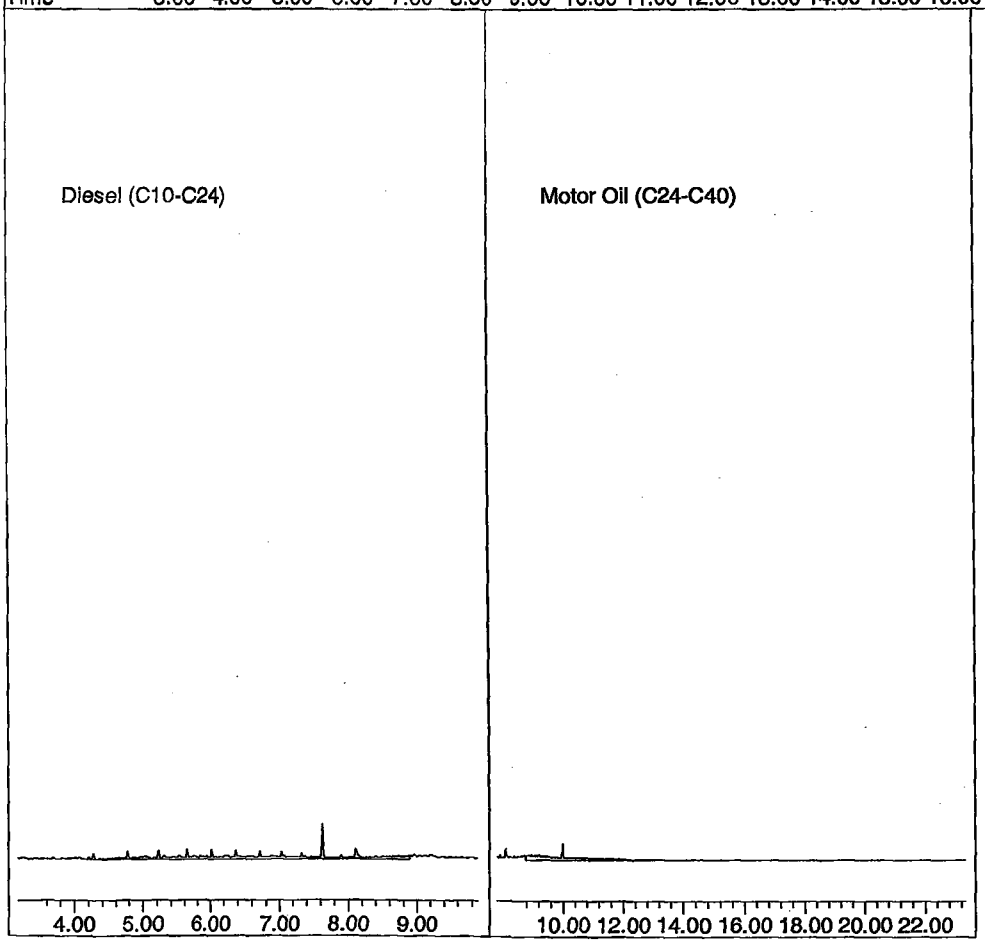
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 2657484 | 0.513 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.71% |
| 4) SA Octacosane(S) | 9.98 | 1874119 | 0.486 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.62% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 41930088 | 10.381 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 48710805 | 8.390 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210830\830005.D
Sample : DMO STD Curve 2



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830006.D Vial: 6
Acq On : 8-30-21 15:20:31 Operator: KA
Sample : DMO STD Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

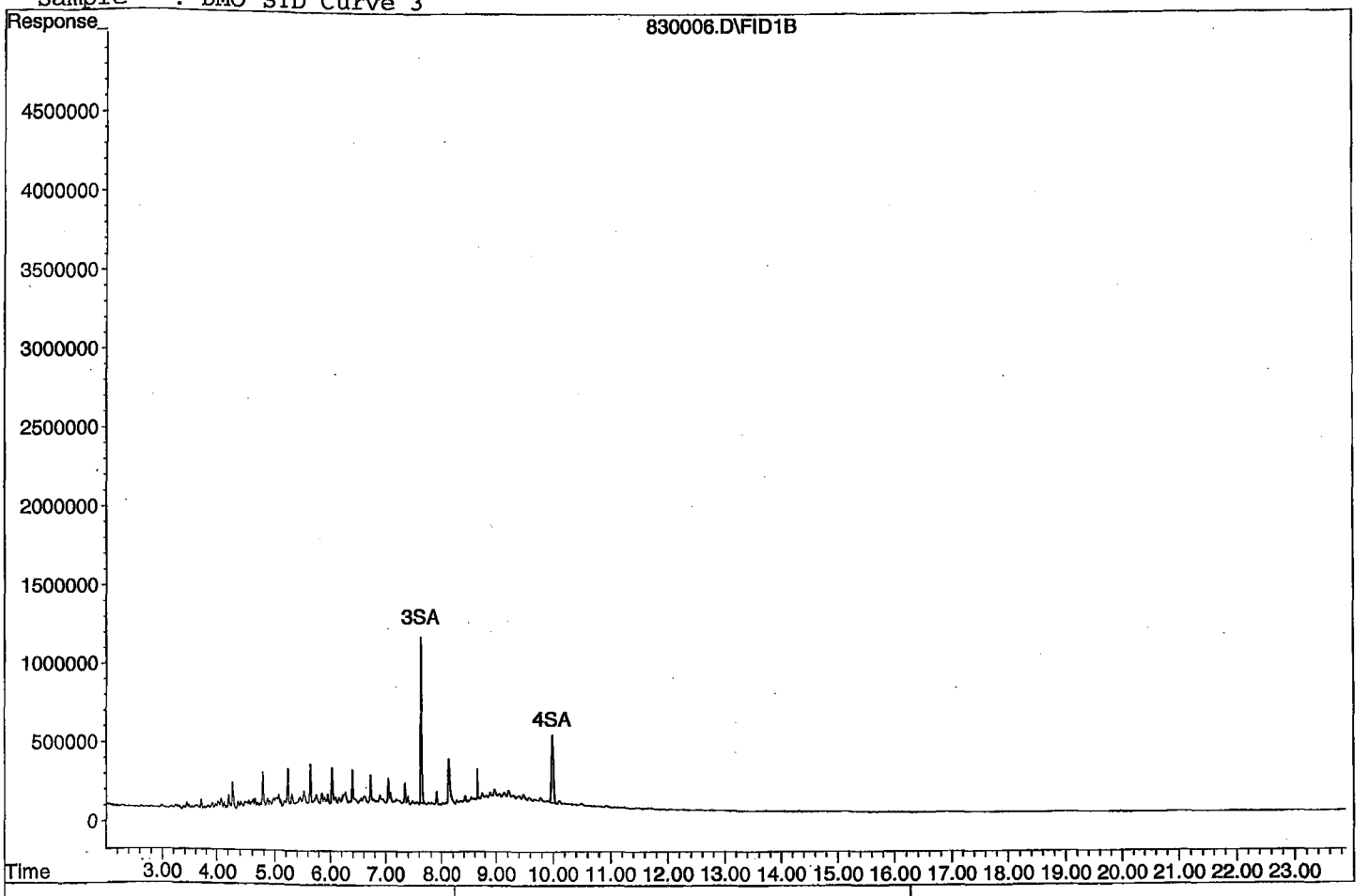
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

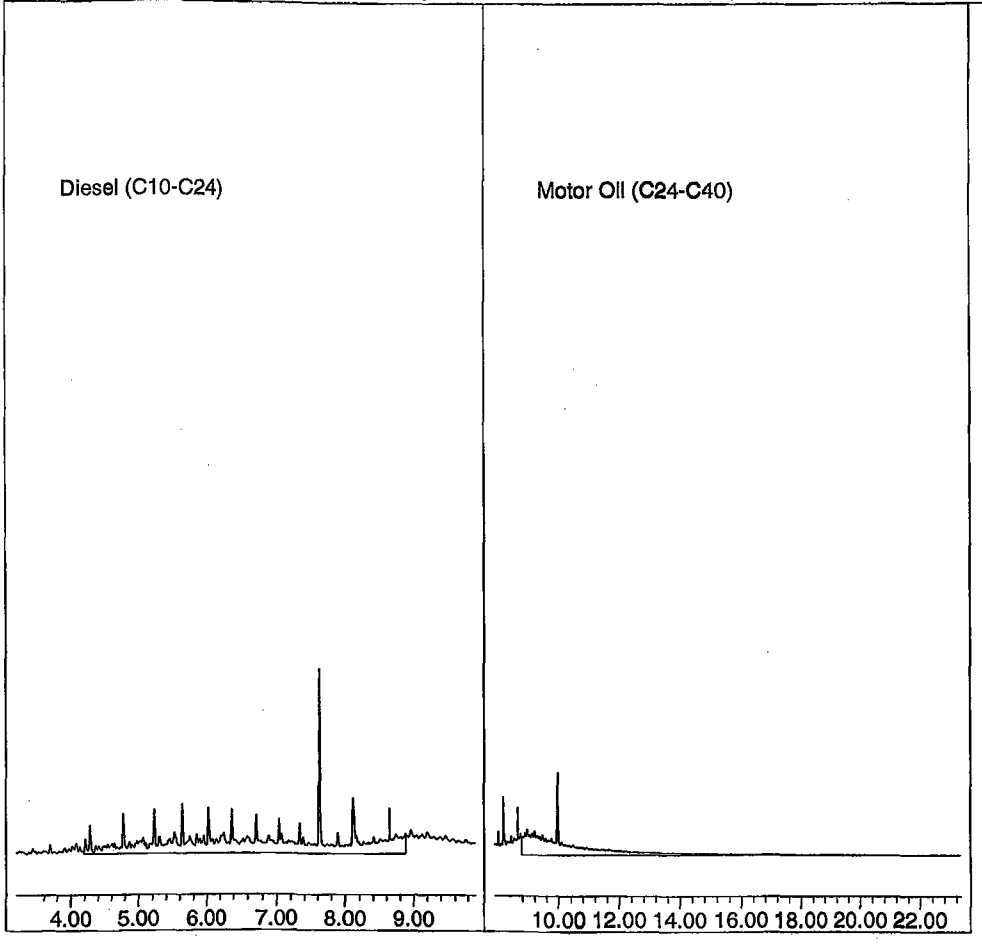
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 13144947 | 2.537 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.46% |
| 4) SA Octacosane(S) | 9.98 | 9579881 | 2.487 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.29% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 204498046 | 50.628 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 167306131 | 48.476 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210830\830006.D
Sample : DMO STD Curve 3



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830007.D Vial: 7
Acq On : 8-30-21 15:48:59 Operator: KA
Sample : DMO STD Curve 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

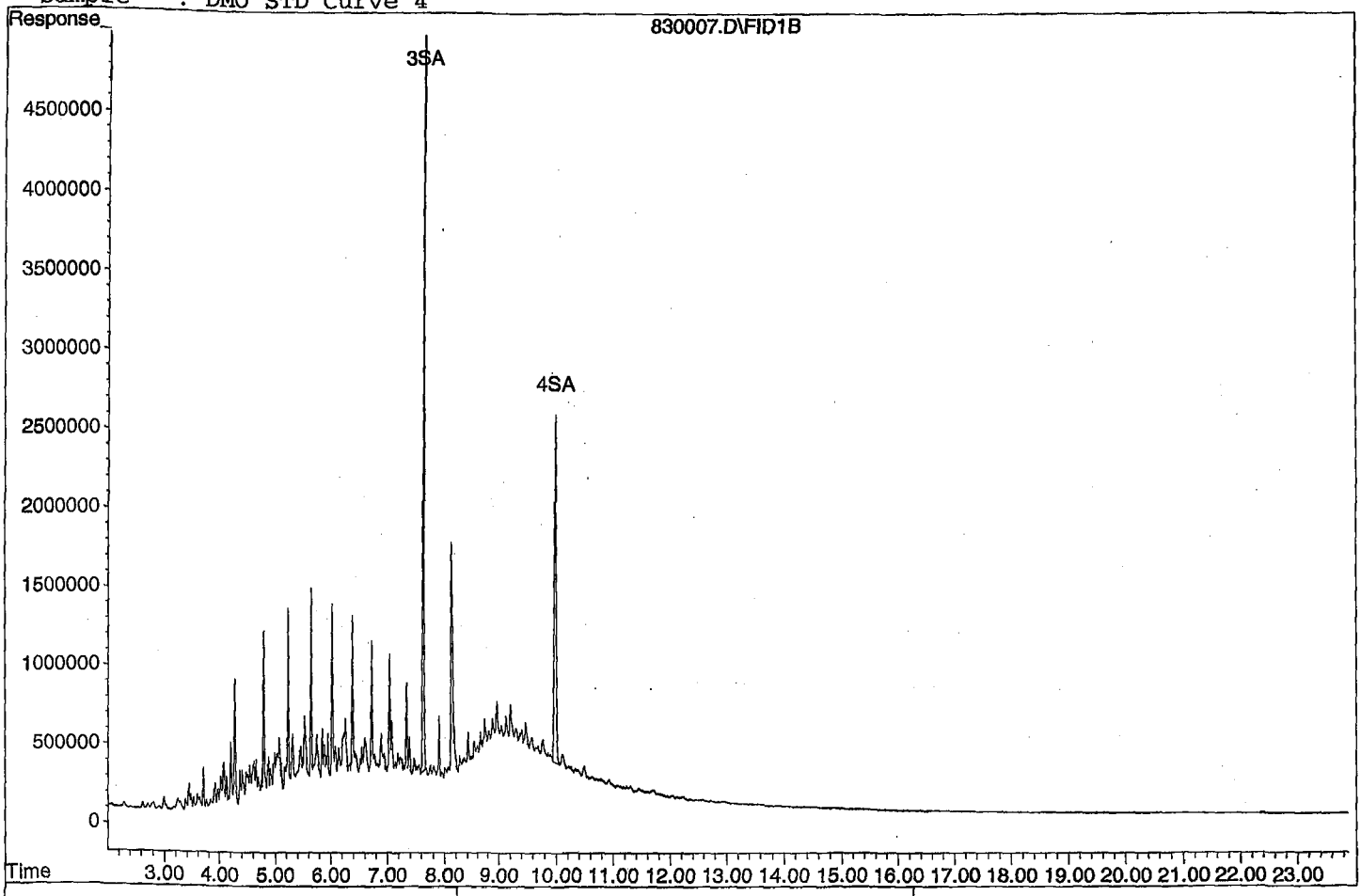
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

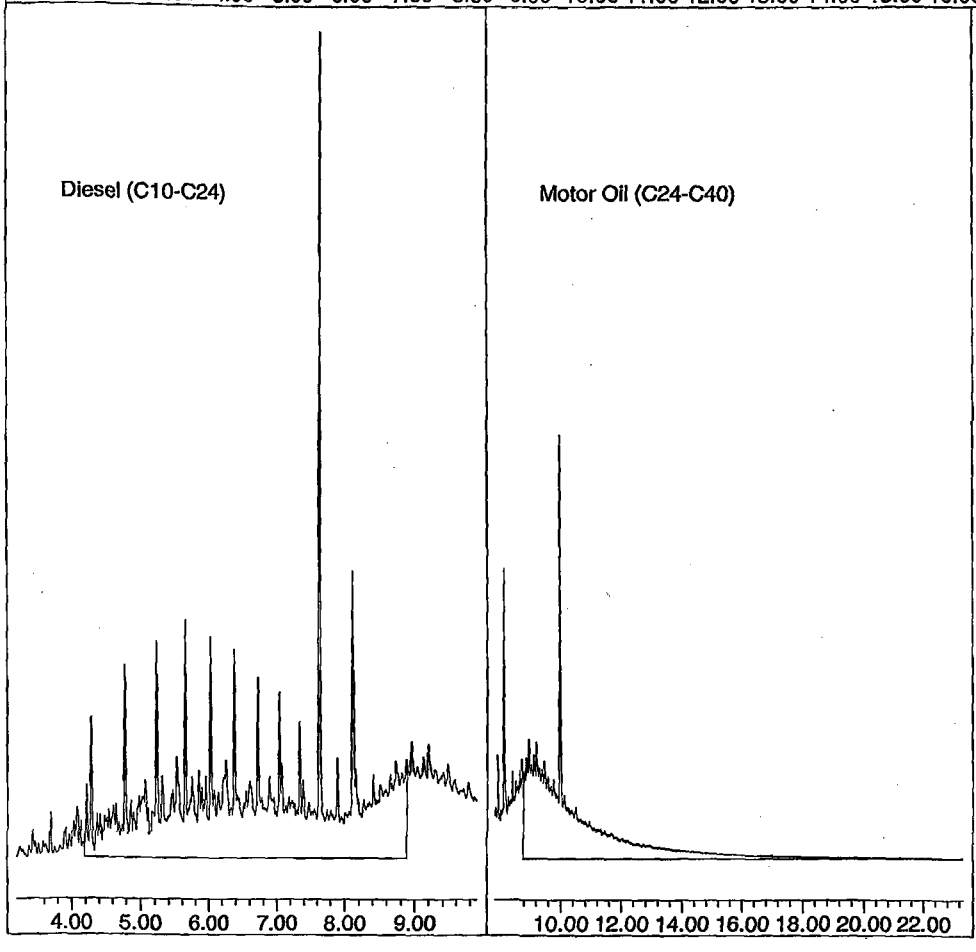
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 63496153 | 12.255 ppb |
| Surrogate Spike 30.000 | Recovery = | | 40.85% |
| 4) SA Octacosane(S) | 9.98 | 47916187 | 12.437 ppb |
| Surrogate Spike 30.000 | Recovery = | | 41.46% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 977286267 | 241.951 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 768486801 | 251.677 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210830\830007.D
Sample : DMO STD Curve 4



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830008.D Vial: 8
Acq On : 8-30-21 16:17:29 Operator: KA
Sample : DMO STD Curve 5 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

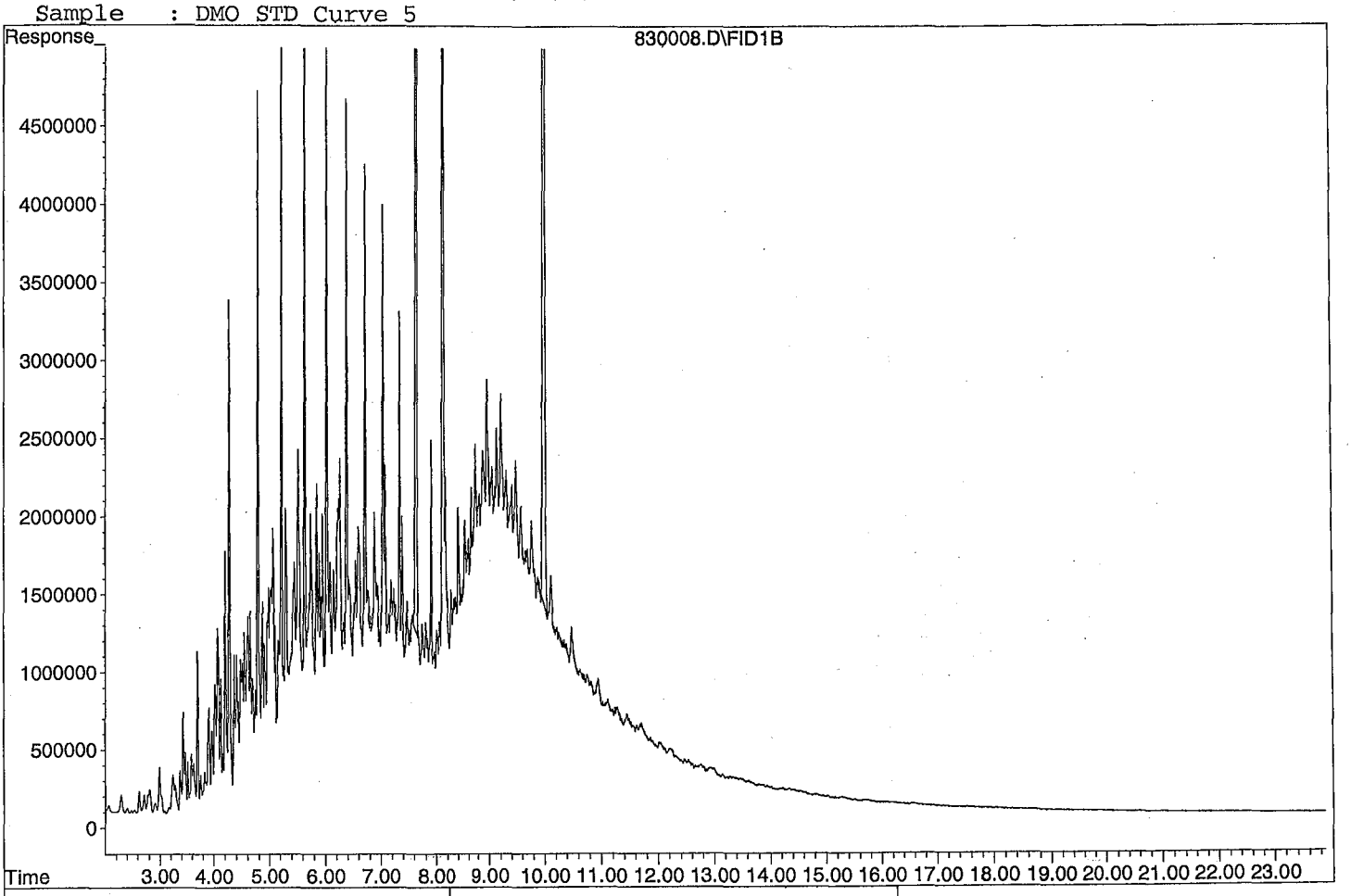
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

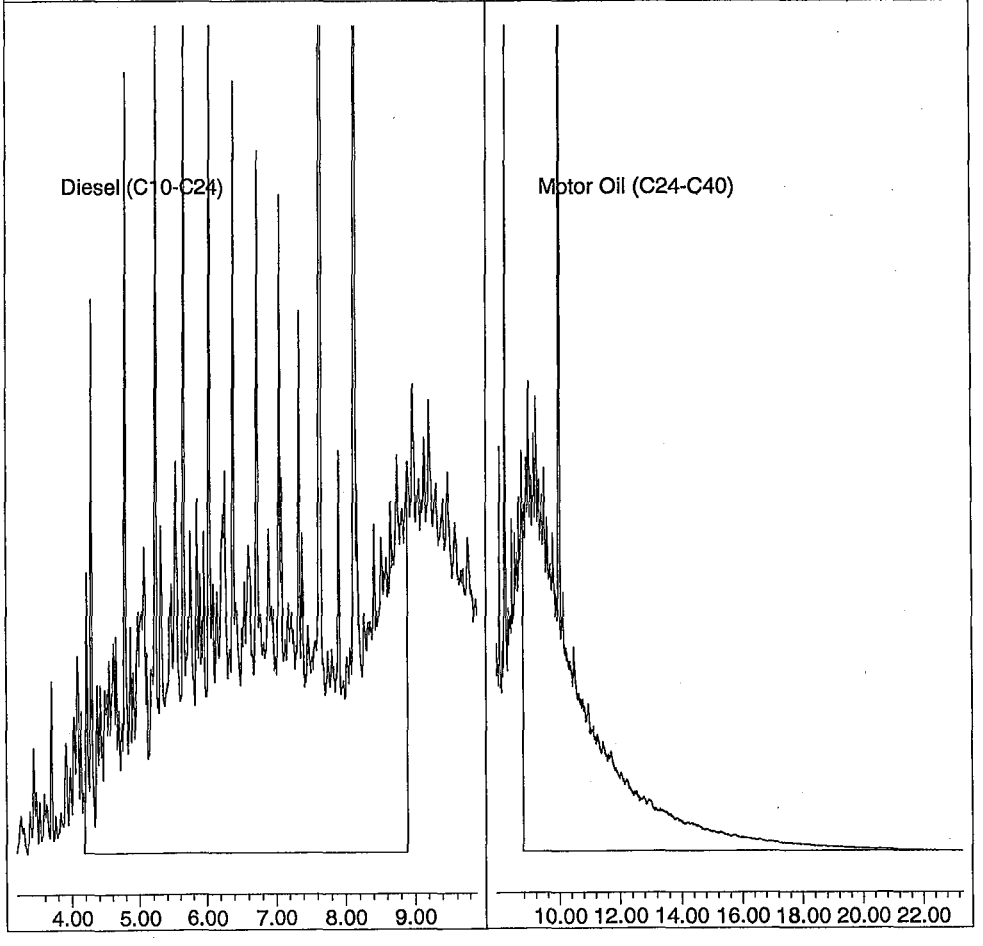
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 246979512 | 47.666 ppb |
| Surrogate Spike 30.000 | Recovery = | | 158.89% |
| 4) SA Octacosane(S) | 9.99 | 187654879 | 48.707 ppb |
| Surrogate Spike 30.000 | Recovery = | | 162.36% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 3956253906 | 979.466 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 2987558435 | 1001.733 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210830\830008.D
Sample : DMO STD Curve 5



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830009.D Vial: 9
Acq On : 8-30-21 16:45:57 Operator: KA
Sample : DMO STD Curve 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

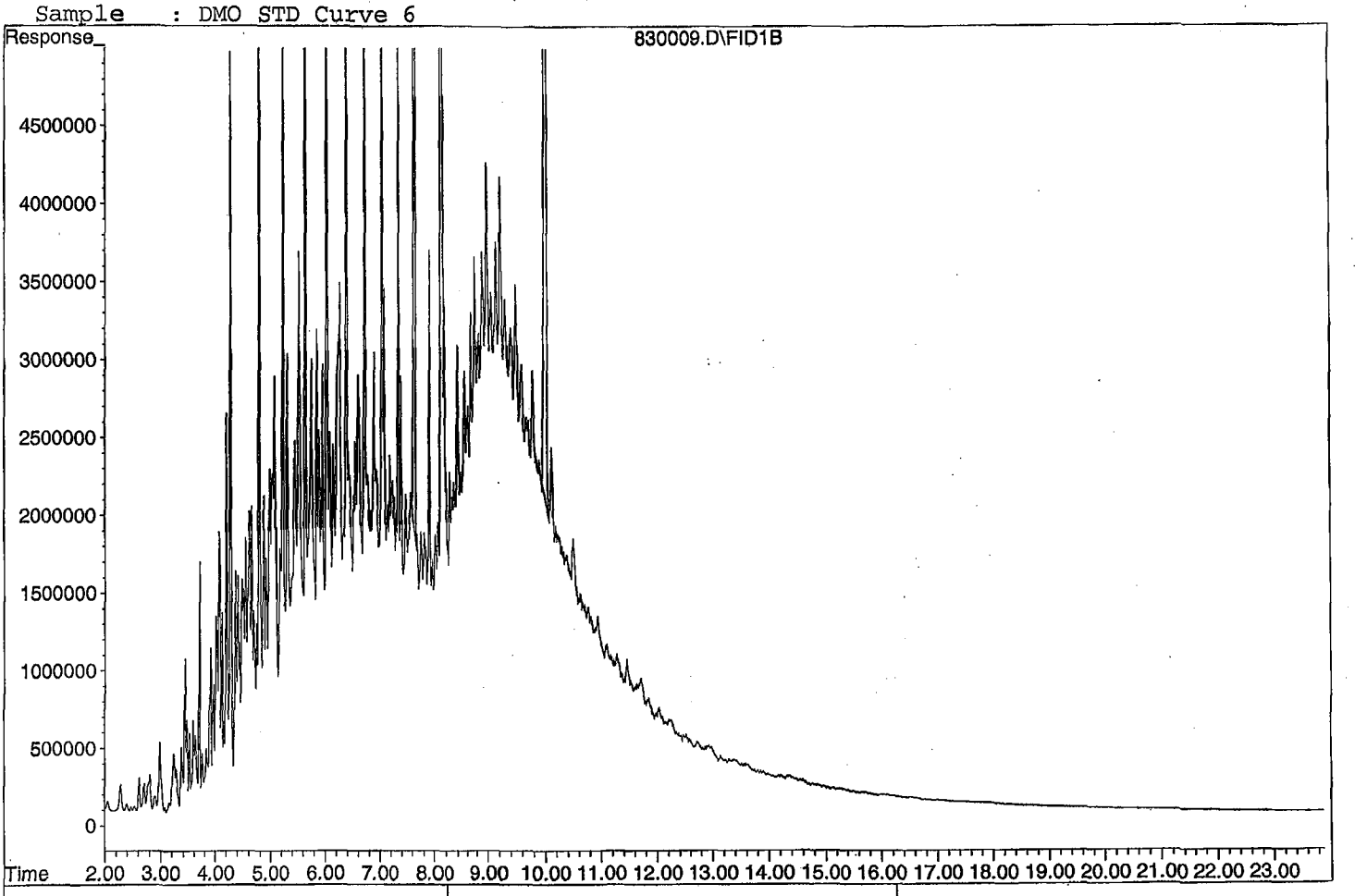
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

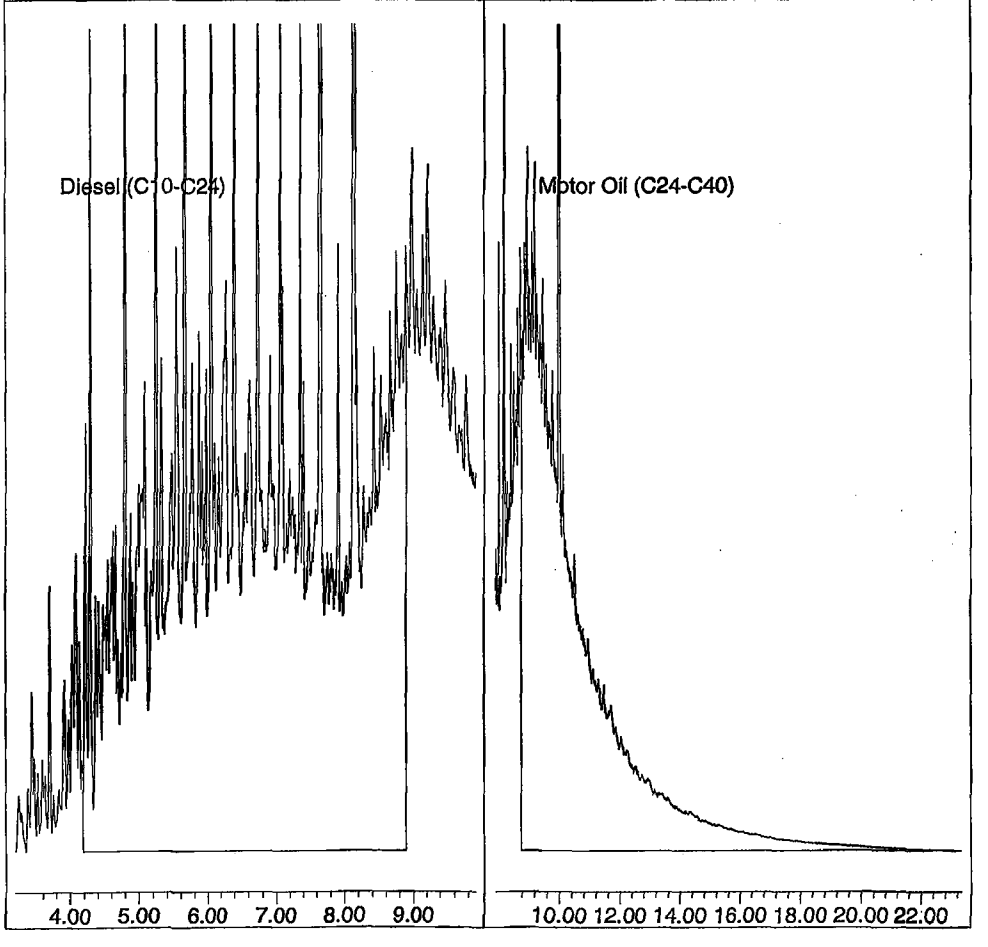
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 362896579 | 70.038 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 233.46% | |
| 4) SA Octacosane(S) | 10.00 | 279638971 | 72.582 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 241.94% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 5958866170 | 1475.261 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 4398400914 | 1478.604 | ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210830\830009.D
Sample : DMO STD Curve 6



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830010.D Vial: 10
Acq On : 8-30-21 17:14:26 Operator: KA
Sample : DMO STD Curve 7 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

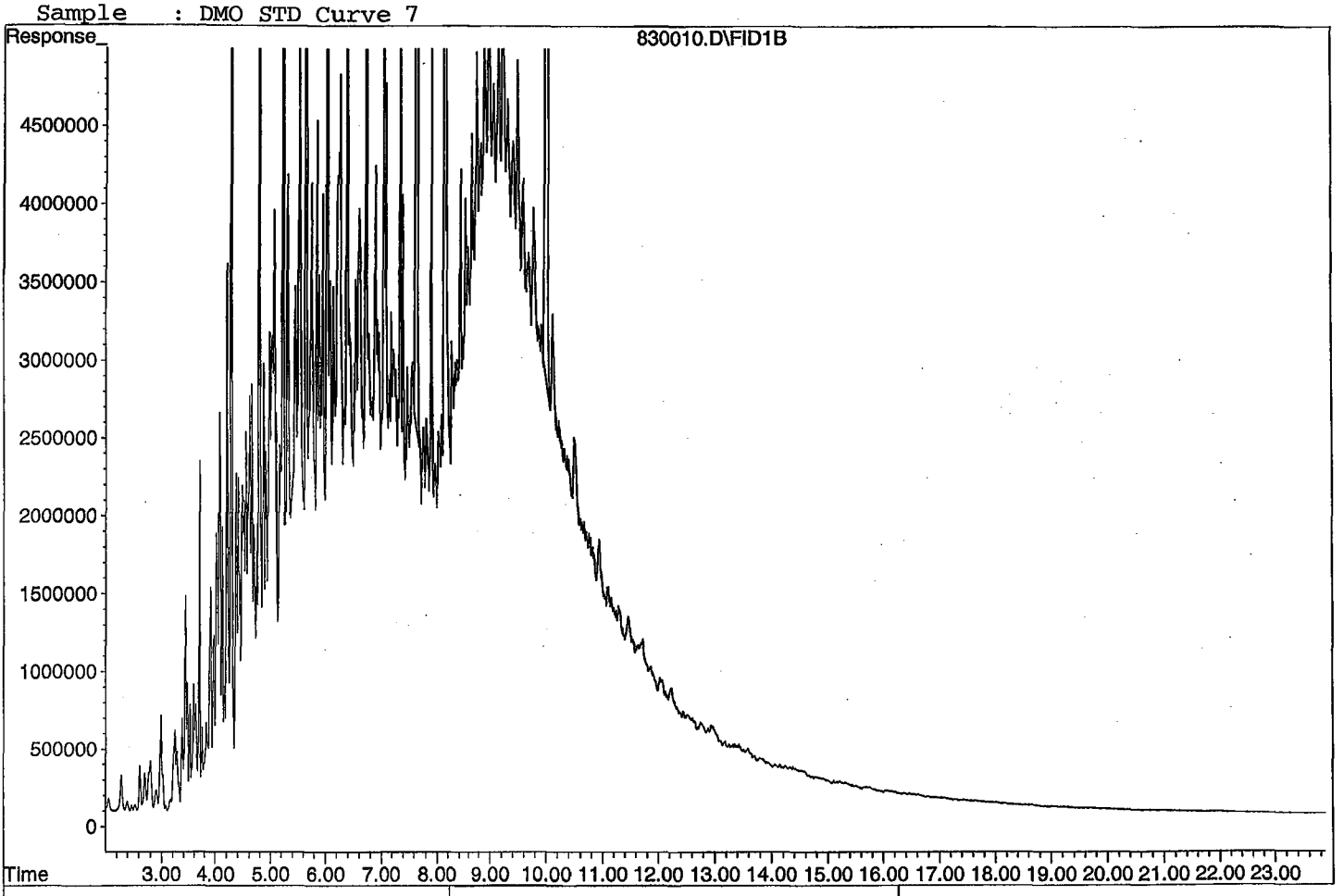
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

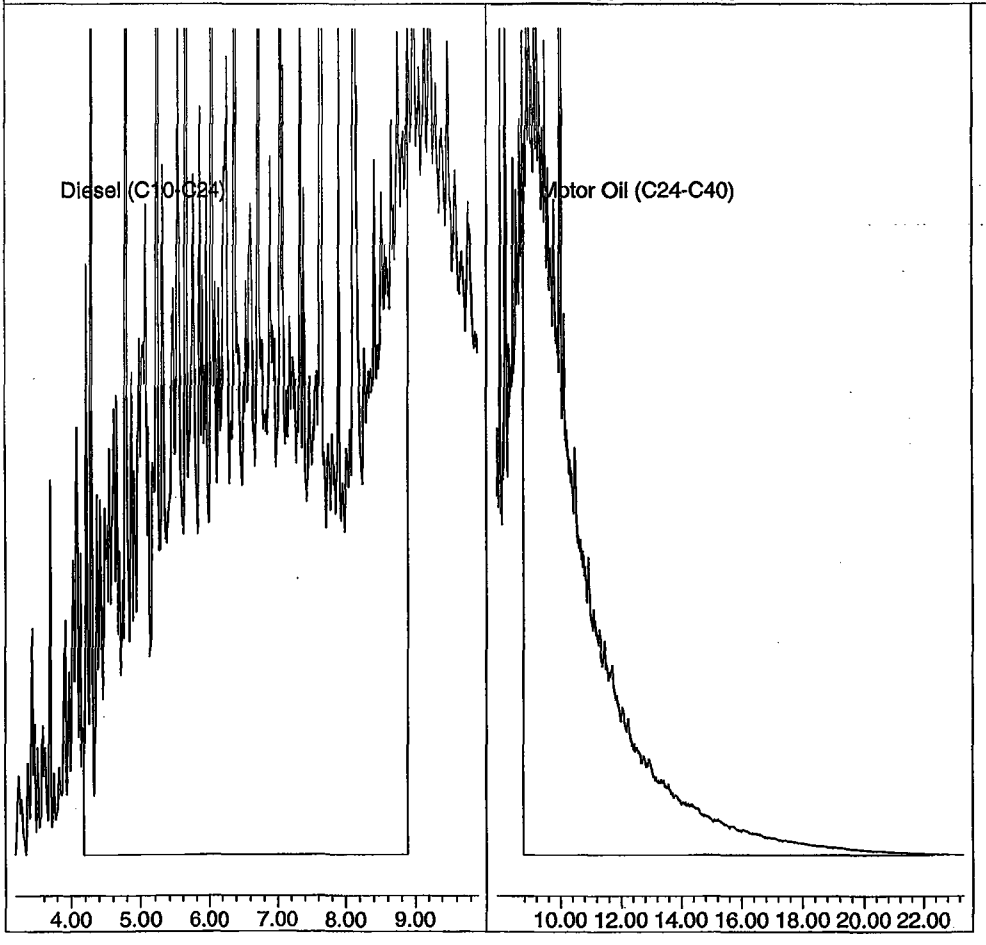
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.64 | 513272150 | 99.060 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 330.20% | |
| 4) SA Octacosane(S) | 10.00 | 385350648 | 100.020 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 333.40% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 8322428096 | 2060.418 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 6000685216 | 2020.183 | ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210830\830010.D
Sample : DMO STD Curve 7



TPH Extractables
DOC0831

Form 7

# Second Source Calibration

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

SDG No:
Date Analyzed: 8/30/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 830011.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2019600 | 2221630 | 10 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2035830 | 1633780 | 20 | HBTML | 7.2 |
| 3 | | | | | | | |
| 4 | | | | | | | |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 15.0 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830011.D Vial: 11
Acq On : 8-30-21 17:43:02 Operator: KA
Sample : DMO Second Source Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

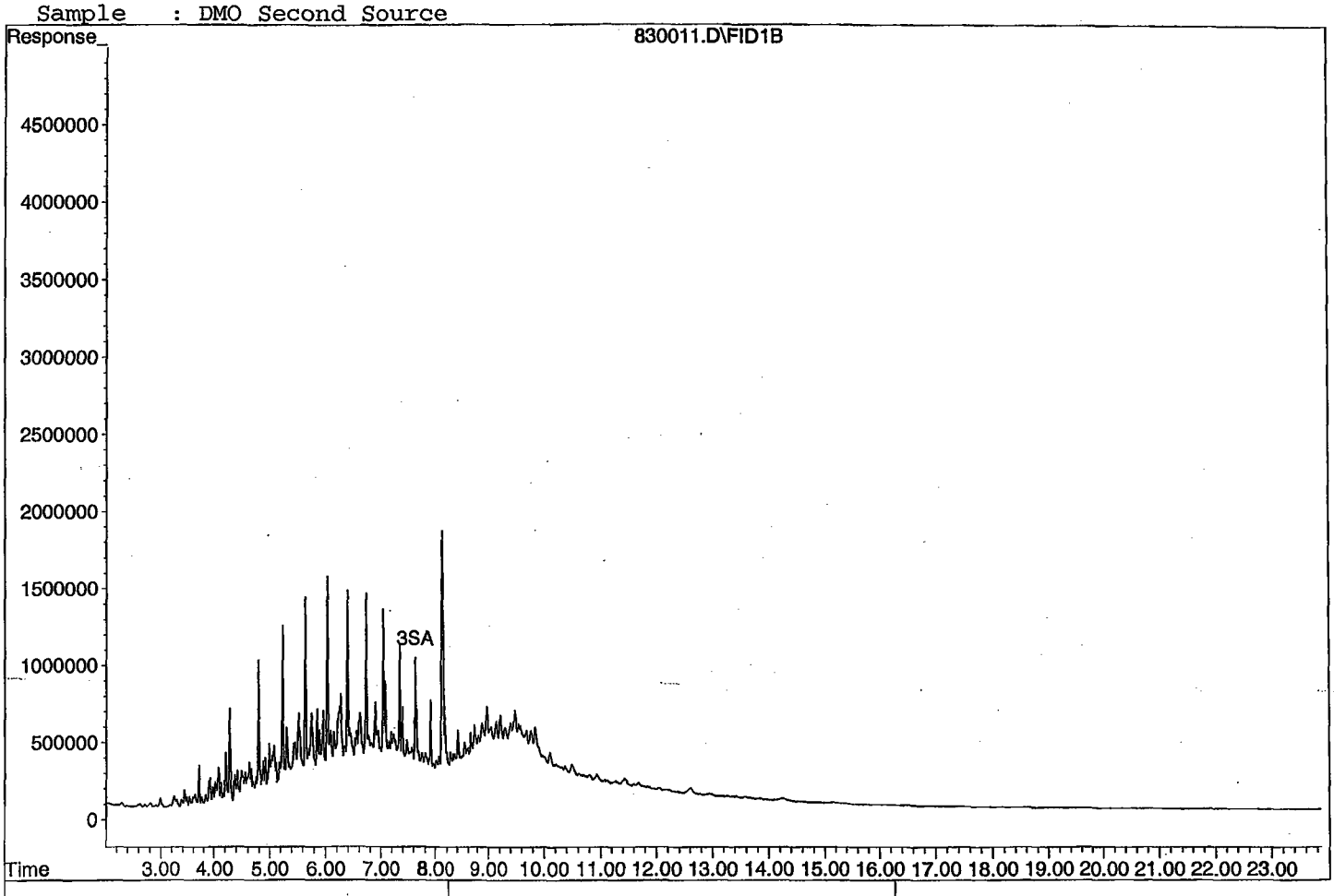
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.62 | 4475122 | 0.864 ppb |
| Surrogate Spike 30.000 | Recovery | = | 2.88% |
| 4) SA Octacosane(S) | 9.98 | -56148 | N.D. ppb |
| Surrogate Spike 30.000 | Recovery | = | 0.00% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 1110816428 | 275.009 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 816892430 | 268.039 ppb |

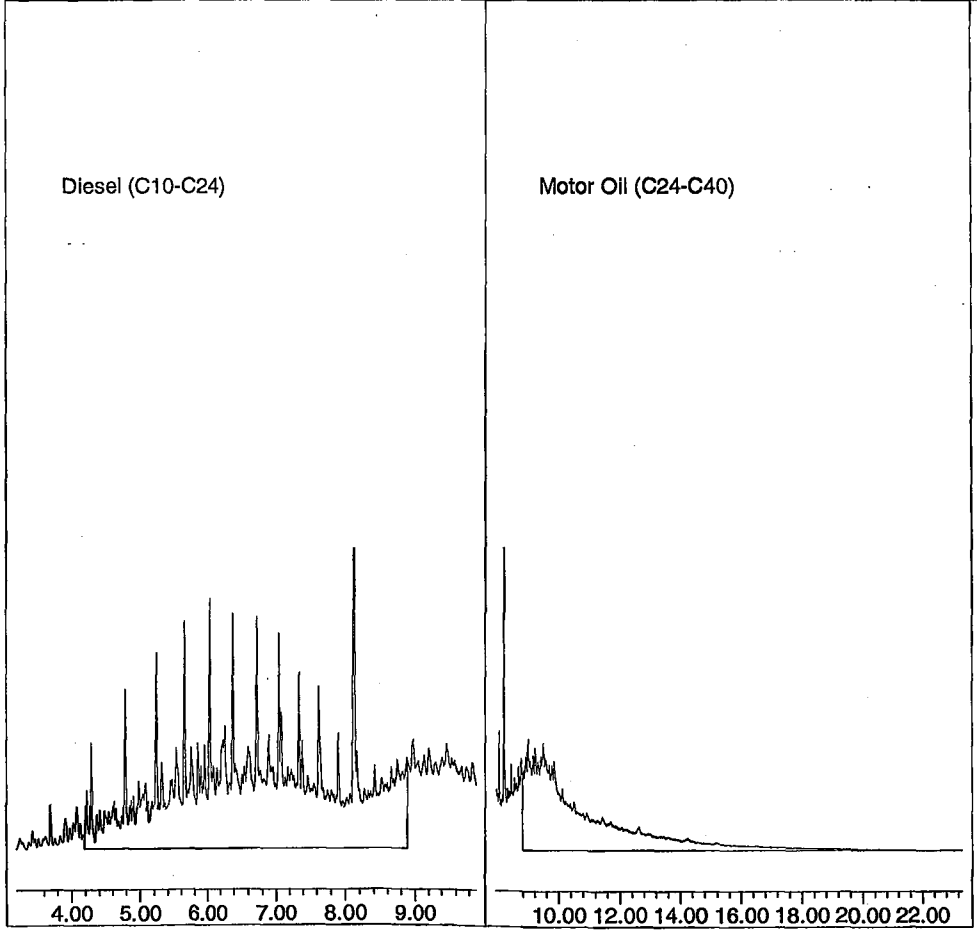
Target Compounds

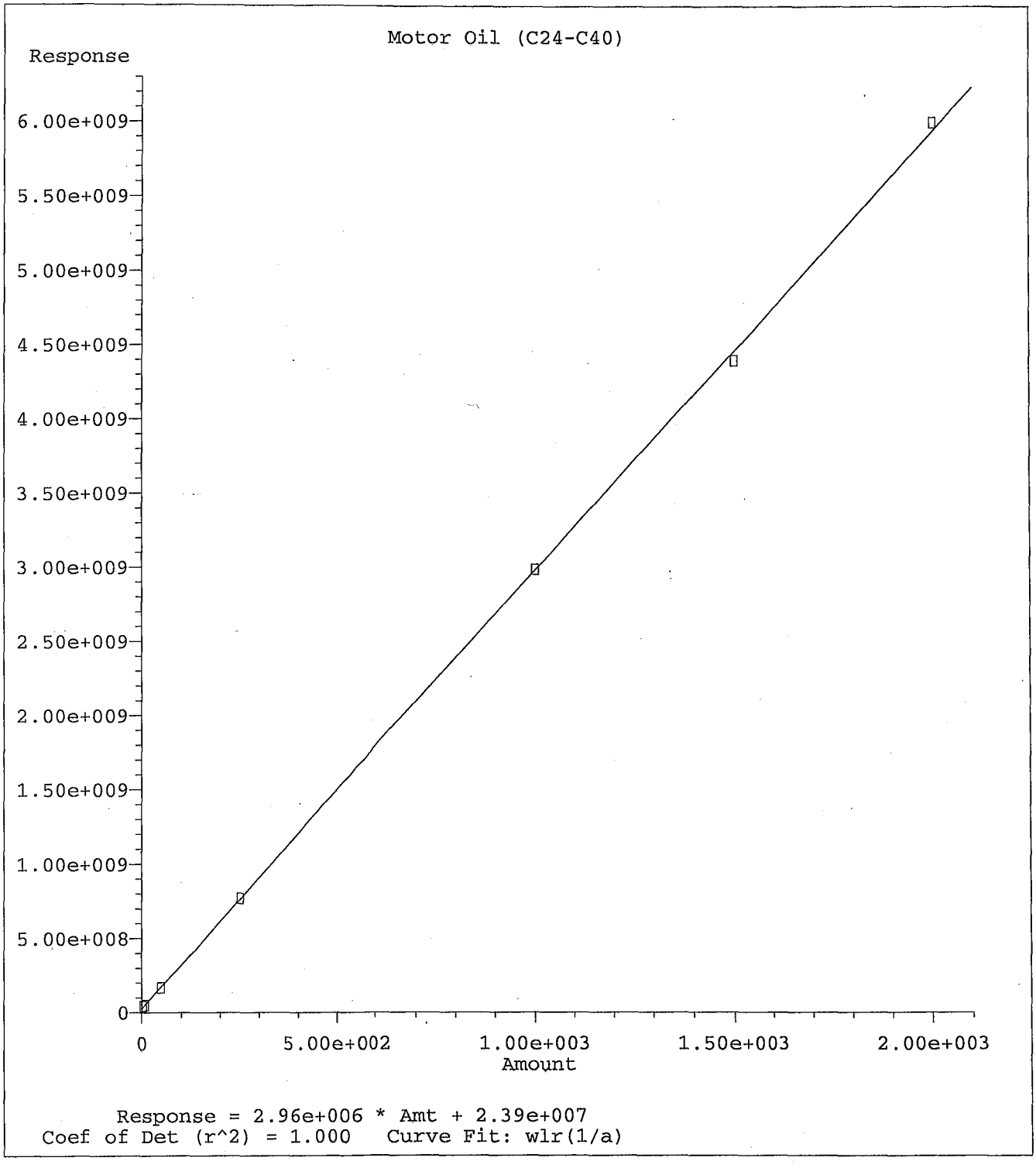
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210830\830011.D
Sample : DMO Second Source






Method Name: G:\APOLLO\DATA\210830\DOC0830.M
Calibration Table Last Updated: Tue Aug 31 09:20:02 2021

TPH Extractables
DEC0712

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/12/21
Matrix: Water Instrument: Apollo
Initials: MB

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | | | | | Avg | %RSD | Type | r^2 | Q |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 712003.D | 712004.D | 712005.D | 712006.D | 712007.D | 712008.D | | | | | | | | | |
| 1 | SC | Decanoic Acid(S) | 1076201 | 1238207 | 1265572 | 1305227 | 1331032 | 1285287 | | | | | 1250254 | 7.3 | SC | | |
| 2 | | | | | | | | | | | | | | | | | |
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0.208067

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712003.D Vial: 3
Acq On : 7-12-21 10:17:48 Operator: MB
Sample : Decanoic Acid 1 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 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) | 5.78 | 6457209 | 2.582 ppb |
| Surrogate Spike 24.000 | Recovery = | | 10.76% |
| Target Compounds | | | |
| Target Compounds | | | |

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712004.D Vial: 4
Acq On : 7-12-21 10:46:08 Operator: MB
Sample : Decanoic Acid 2 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 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) | 5.78 | 14858480 | 5.942 ppb |
| Surrogate Spike 24.000 | | Recovery = | 24.76% |
| Target Compounds | | | |
| Target Compounds | | | |

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712005.D Vial: 5
Acq On : 7-12-21 11:14:29 Operator: MB
Sample : Decanoic Acid 3 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 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 | 60747433 | 24.294 | ppb |
| Surrogate Spike 24.000 | Recovery = 101.23% | | | |
| Target Compounds | | | | |
| Target Compounds | | | | |

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712006.D Vial: 6
Acq On : 7-12-21 11:42:47 Operator: MB
Sample : Decanoic Acid 4 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 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 | 93976376 | 37.583 ppb |
| Surrogate Spike 24.000 | | Recovery = | 156.60% |
| Target Compounds | | | |
| Target Compounds | | | |

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712007.D Vial: 7
Acq On : 7-12-21 12:11:03 Operator: MB
Sample : Decanoic Acid 5 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 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 | 127779111 | 51.101 ppb |
| Surrogate Spike 24.000 | | Recovery = | 212.92% |
| Target Compounds | | | |
| Target Compounds | | | |

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

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210712\712008.D Vial: 8
Acq On : 7-12-21 12:39:20 Operator: MB
Sample : Decanoic Acid 6 07/12/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 13 8:56 2021 Quant Results File: DEC0712.RES

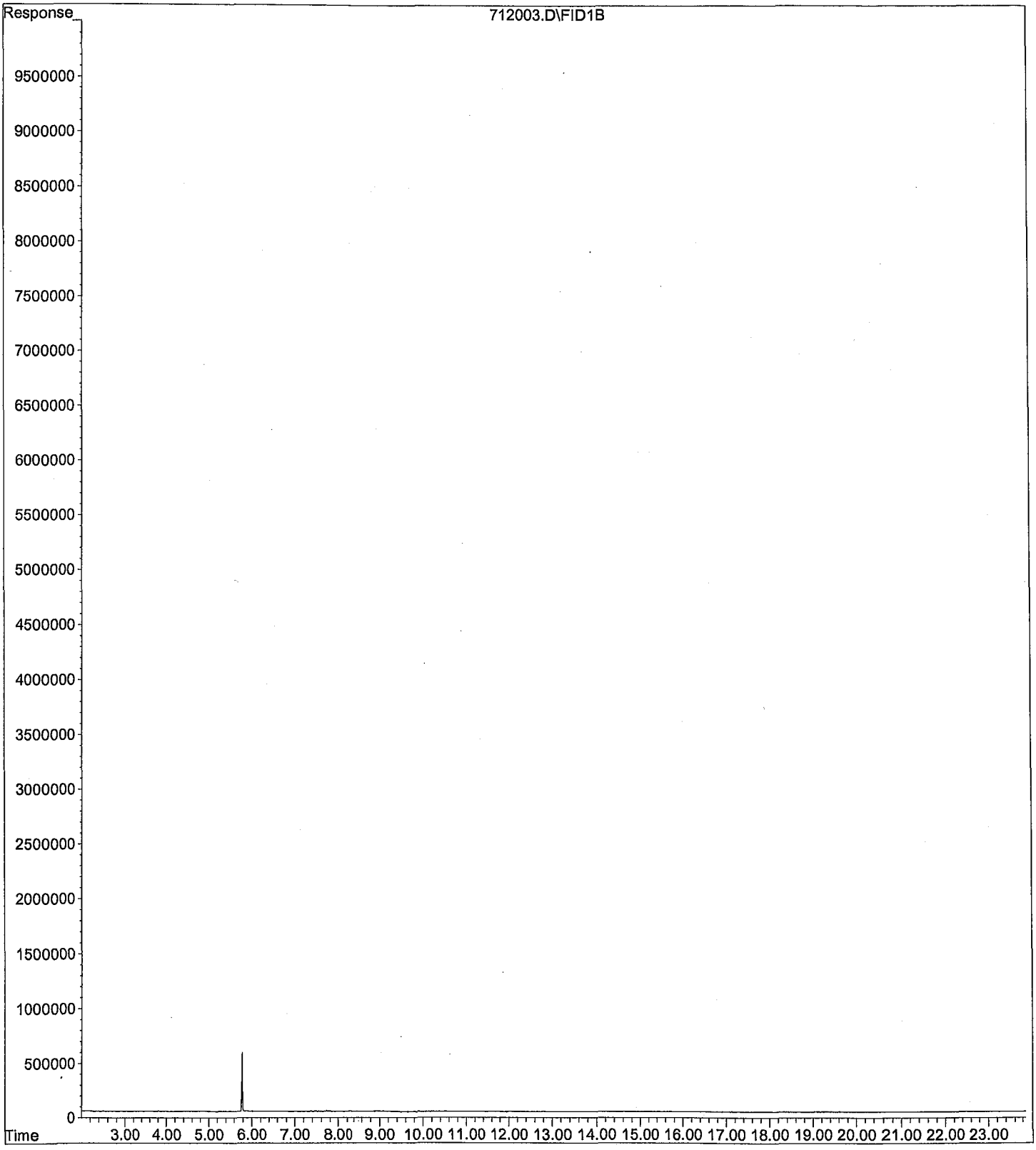
Method : G:\APOLLO\DATA\210505\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 13 08:55:17 2021
Response via : Multiple Level Calibration

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

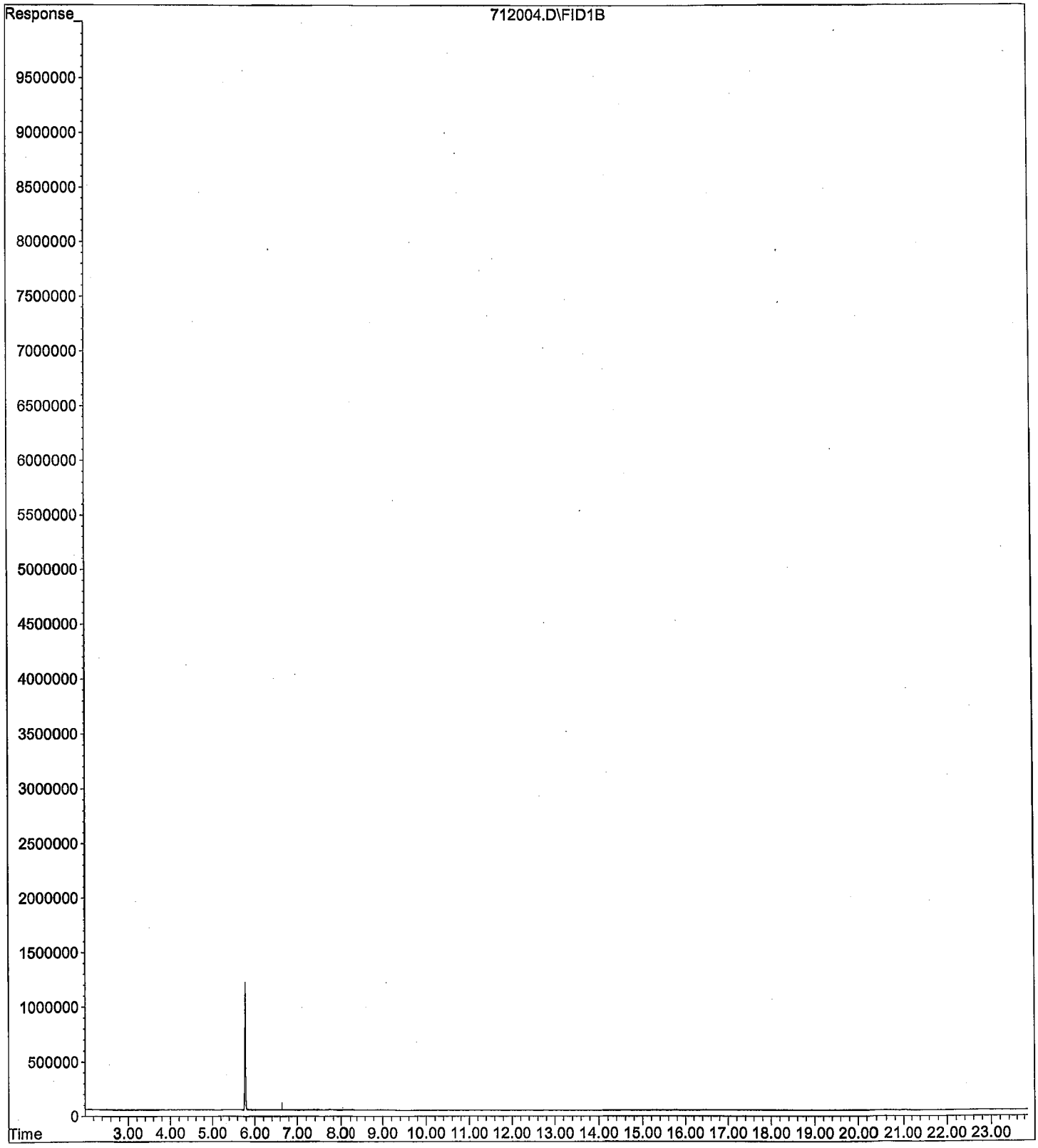
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 1) SC Decanoic Acid(S) | 5.81 | 154234436 | 61.681 ppb |
| Surrogate Spike 24.000 | | Recovery = | 257.00% |
| Target Compounds | | | |
| Target Compounds | | | |

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

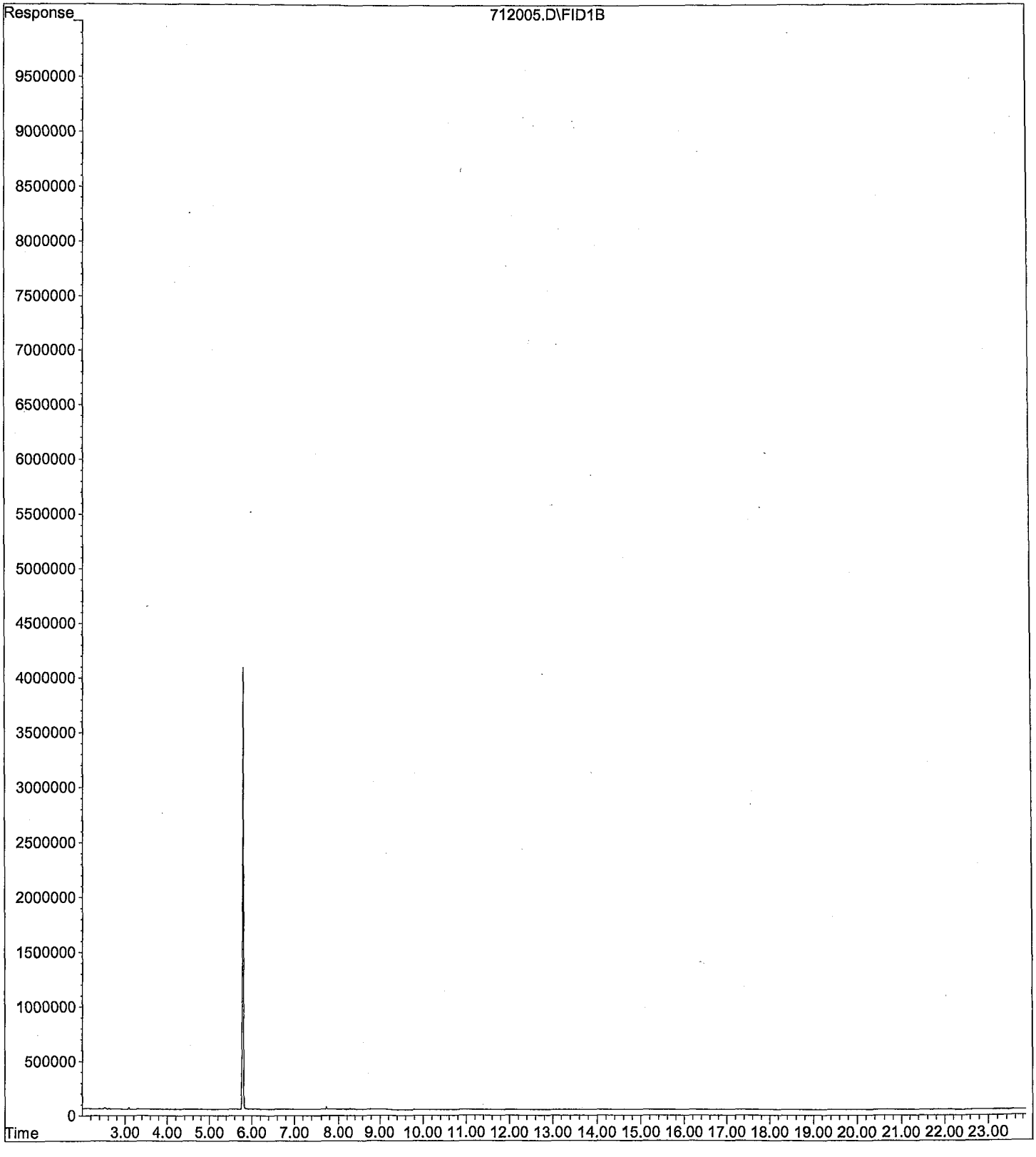
File : G:\APOLLO\DATA\210712\712003.D
Operator : MB
Acquired : 7-12-21 10:17:48 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 1 07/12/21
Misc Info : water
Vial Number: 3



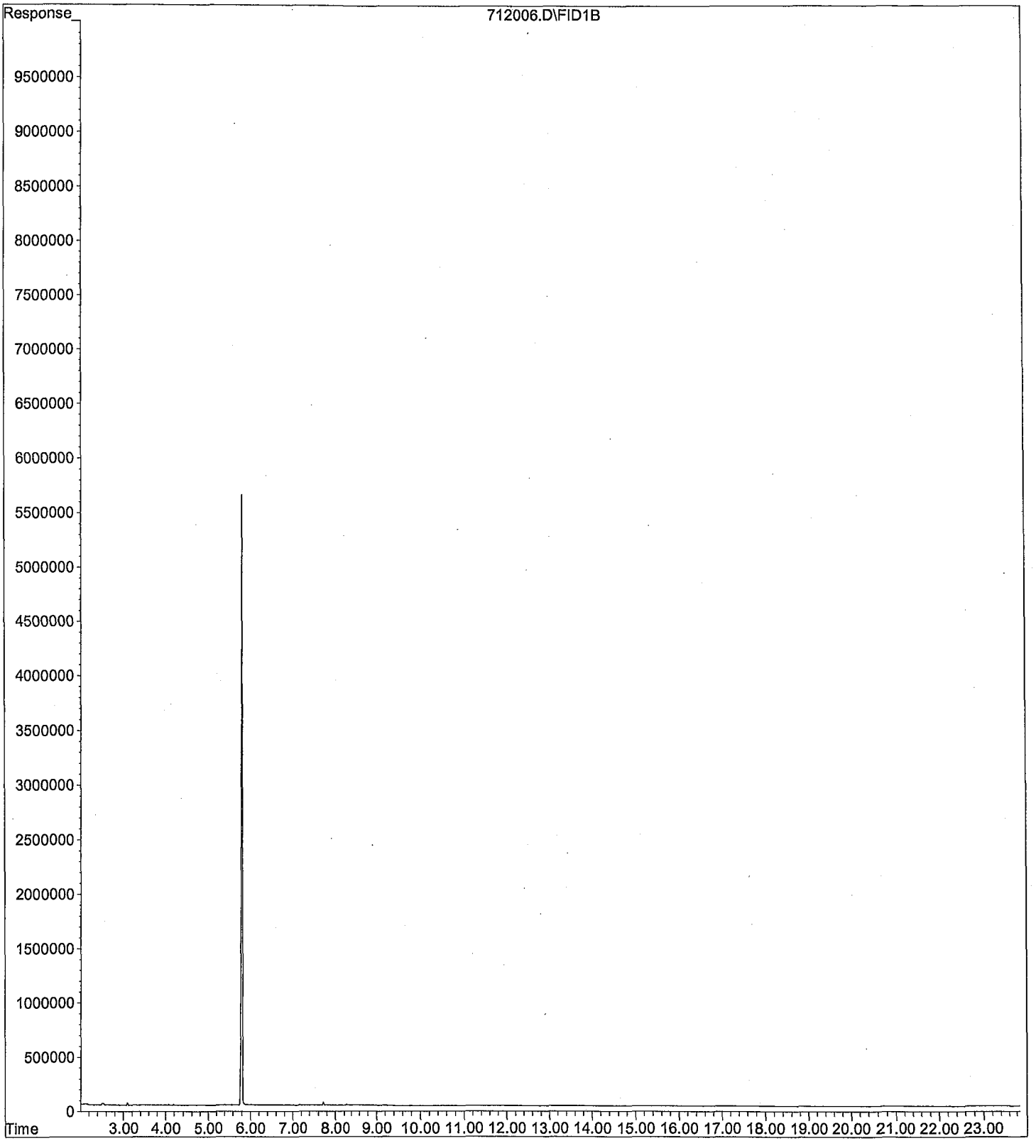
File : G:\APOLLO\DATA\210712\712004.D
Operator : MB
Acquired : 7-12-21 10:46:08 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 2 07/12/21
Misc Info : water
Vial Number: 4



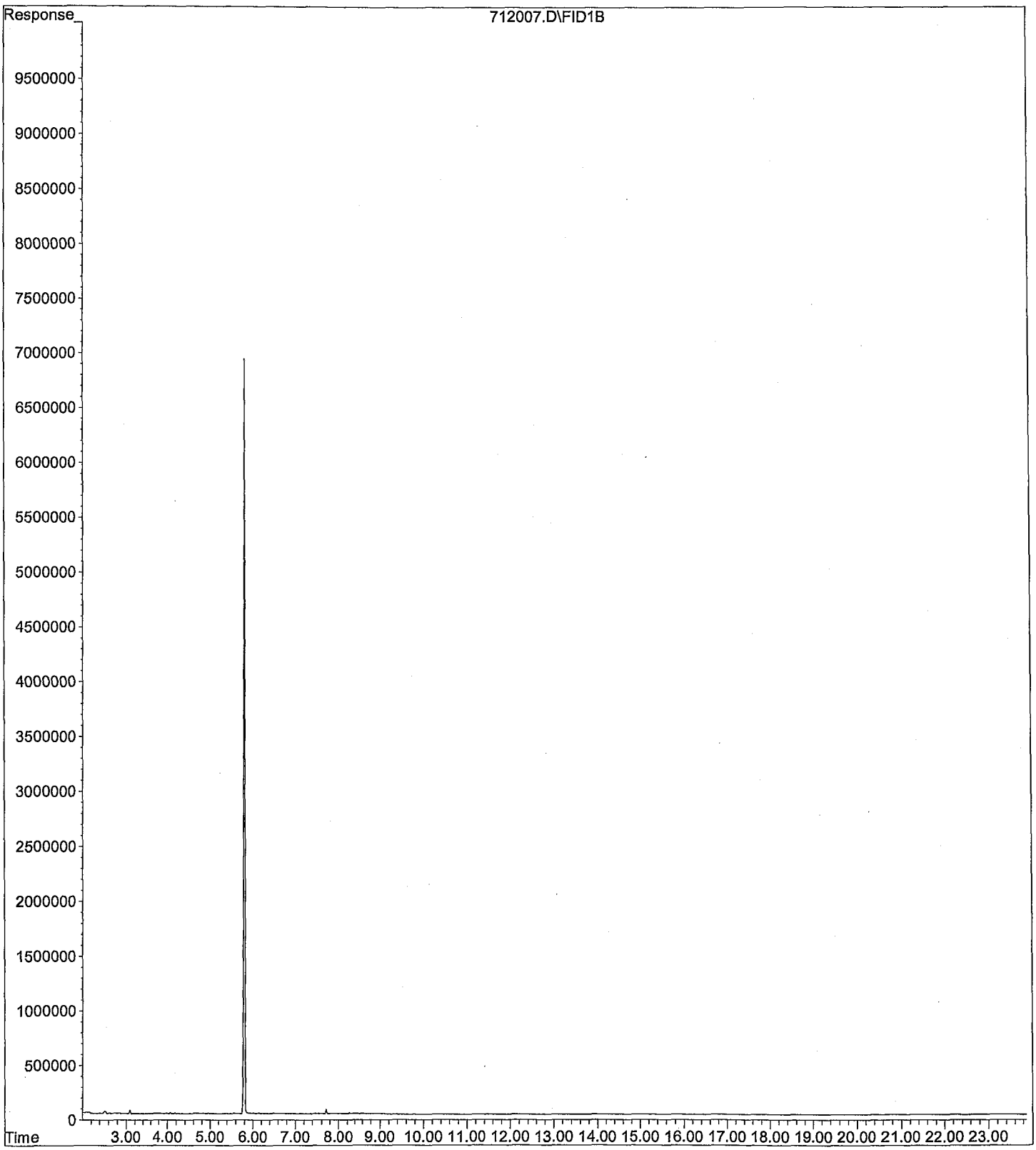
File : G:\APOLLO\DATA\210712\712005.D
Operator : MB
Acquired : 7-12-21 11:14:29 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 3 07/12/21
Misc Info : water
Vial Number: 5



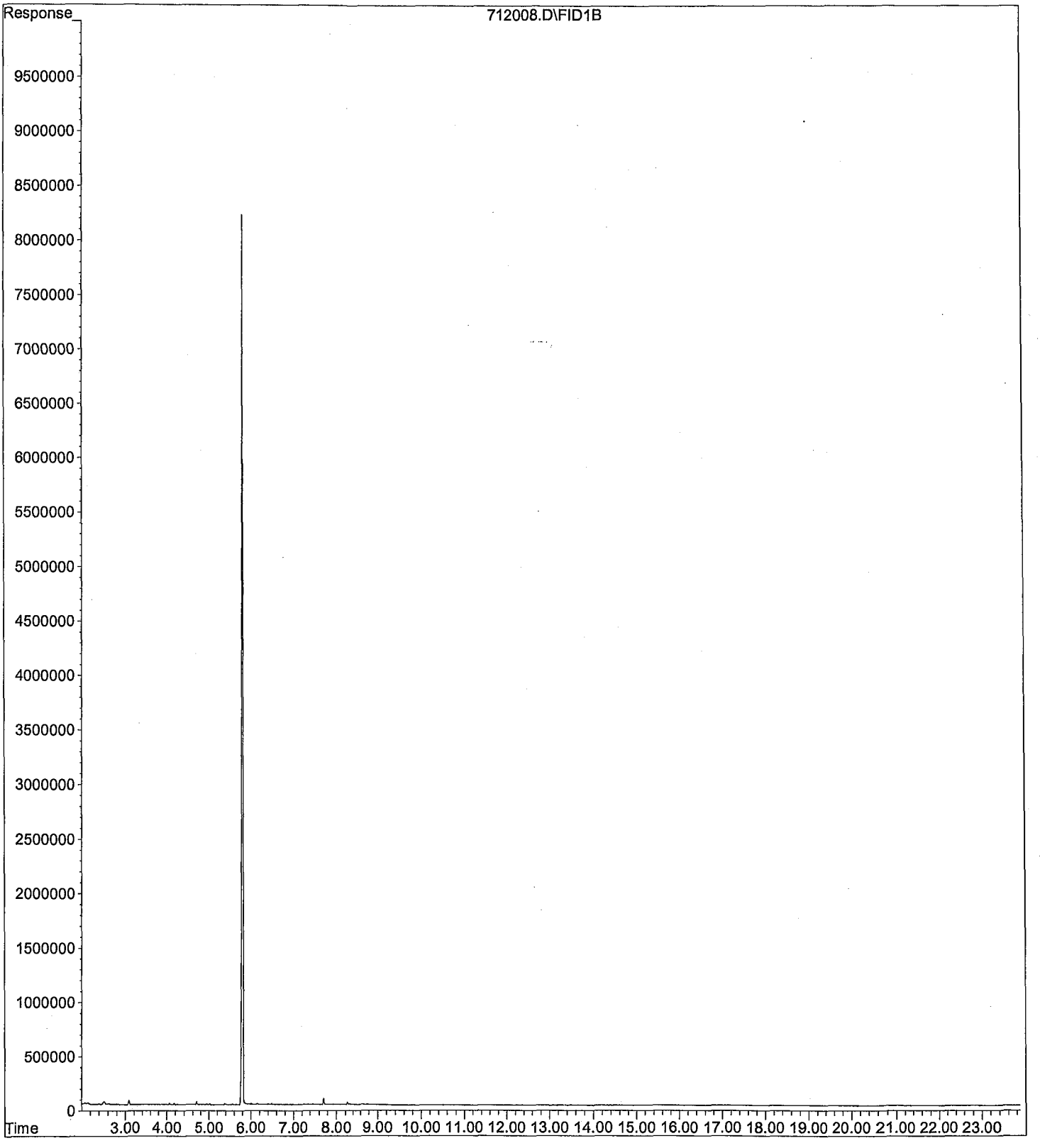
File : G:\APOLLO\DATA\210712\712006.D
Operator : MB
Acquired : 7-12-21 11:42:47 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 4 07/12/21
Misc Info : water
Vial Number: 6



File : G:\APOLLO\DATA\210712\712007.D
Operator : MB
Acquired : 7-12-21 12:11:03 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 5 07/12/21
Misc Info : water
Vial Number: 7



File : G:\APOLLO\DATA\210712\712008.D
Operator : MB
Acquired : 7-12-21 12:39:20 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid 6 07/12/21
Misc Info : water
Vial Number: 8



**Decanoic Acid Calibration Curve**

**Prep'd By (Initials)** **MB**

| | |
|---|---|
| **Prep Date** | **7/12/2021** |
| **Exp Date** | **7/12/2022** |

| | | | | | | Final Standard Information | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of Initial Standard (from contianer Label) | Supplier | Supplier P/N# (or APPL Mix Name) | Conc. (ug/mL) | prep date | Exp Date | Aliquot from Stock | Final Volume | Solvent | Final Standard Conc (ug/mL) |
| Decanoic Acid Standard | O2Si | Decanoic Acid 1 | 60 | **7/12/2021** | **7/12/2022** | 50 uL | 1mL | **MC** | 3 |
| Decanoic Acid Standard | O2Si | Decanoic Acid 2 | 60 | **7/12/2021** | **7/12/2022** | 100 uL | 1 mL | **MC** | 6 |
| Decanoic Acid Standard | O2Si | Decanoic Acid 3 | 60 | **7/12/2021** | **7/12/2022** | 400 uL | 1mL | **MC** | 24 |
| Decanoic Acid Standard | O2Si | Decanoic Acid 4 | 60 | **7/12/2021** | **7/12/2022** | 600 uL | 1mL | **MC** | 36 |
| Decanoic Acid Standard | O2Si | Decanoic Acid 5 | 60 | **7/12/2021** | **7/12/2022** | 800 uL | 1 mL | **MC** | 48 |
| Decanoic Acid Standard | O2Si | Decanoic Acid 6 | 60 | **7/12/2021** | **7/12/2022** | 100 uL | 100uL | **MC** | 60 |
| | | | | | | | | | |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **Decanoic Acid Standard** | **Prep'd By (Initials)** | **MB** |
| **Prep Date** | **7/12/2021** | | |
| **Exp Date** | **7/12/2022** | | |

| 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) | Manufacturer Exp Date | Aliquot from Stock | Final Volume | Final Solvent + Lot# (or APPL Prep Date) | Final Standard Conc (range) |
| Decanoic Acid | O2Si | 72766 | 1000ug/mL | **061821-52673** | **6/18/2021** | 600 uL | 10 mL | **MC** | 60 ug/mL |

TPH Extractables
DOC0831

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/31/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 830038.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2019600 | 2170570 | 7.5 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2035830 | 1732280 | 15 | HBTML | 14 |
| 3 | SA | Ortho-Terphenyl(S) | 2590720 | 2853960 | 10 | SA | |
| 4 | SA | Octacosane(S) | 1926380 | 2166510 | 12 | SA | |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 11.1 | | |

Quantitation Report (Not Reviewed)

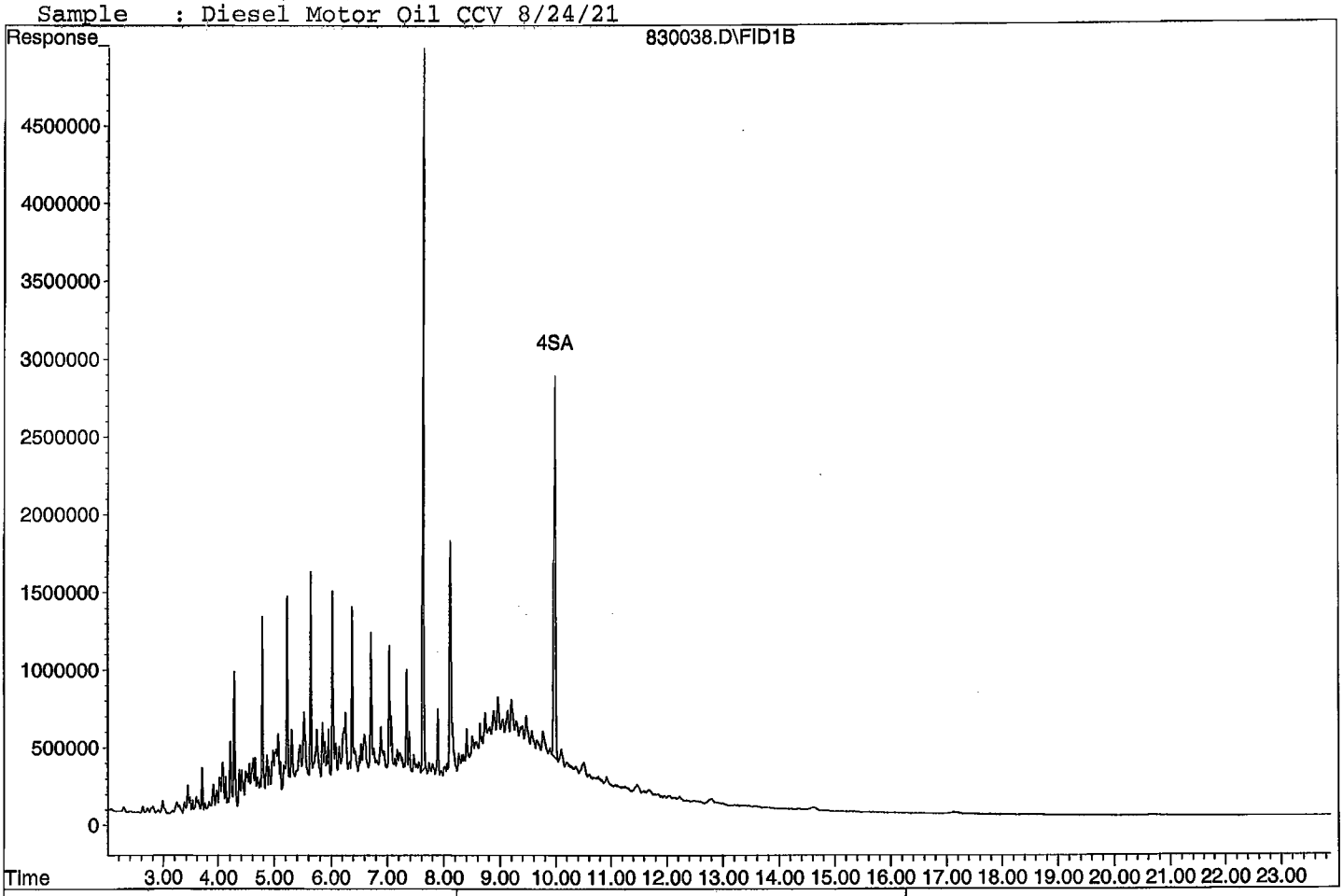
Data File : G:\APOLLO\DATA\210830\830038.D Vial: 38
Acq On : 8-31-21 6:28:43 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 31 9:27 2021 Quant Results File: DOC0831.RES

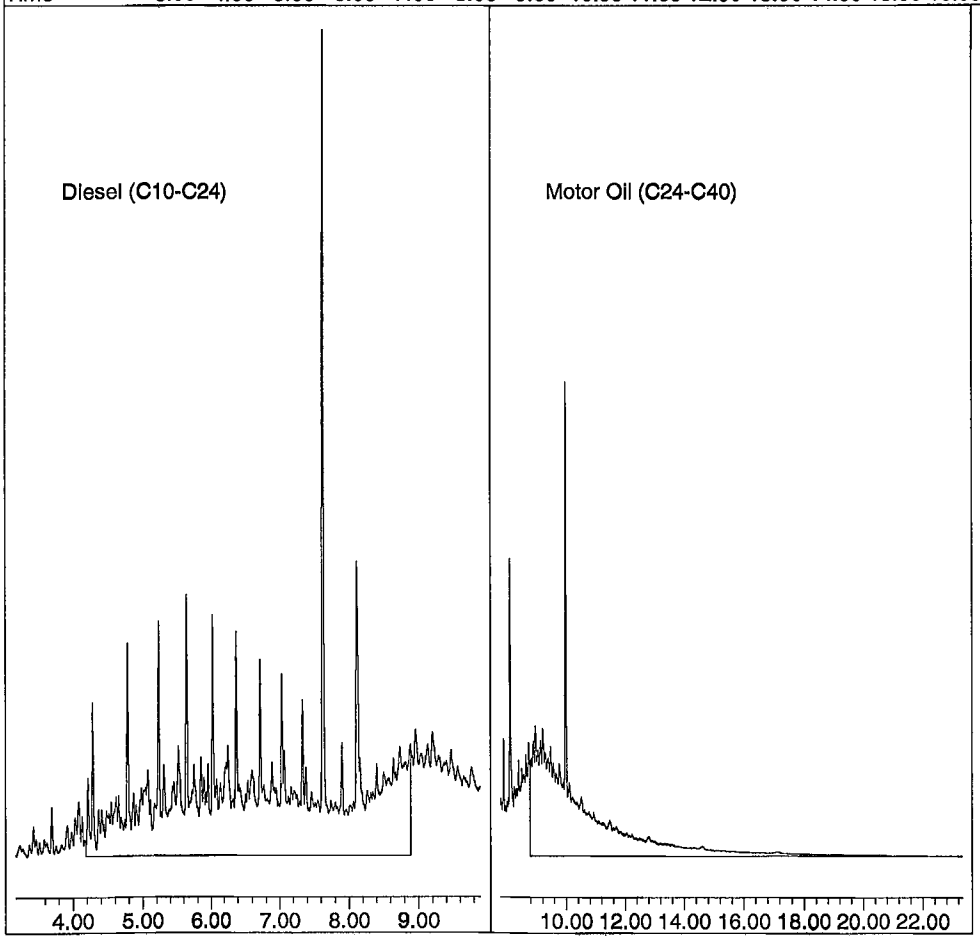
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 71348889 | 13.770 ppb |
| Surrogate Spike 30.000 | | Recovery = | 45.90% |
| 4) SA Octacosane(S) | 9.98 | 54162716 | 14.058 ppb |
| Surrogate Spike 30.000 | | Recovery = | 46.86% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 1085285335 | 268.689 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 866140743 | 284.685 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210830\830038.D
Sample : Diesel Motor Oil CCV 8/24/21



TPH Extractables
DEC0712

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/31/2021
Instrument: Apollo
Initial Cal. Date: 7/12/2021
Data File: 830039.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | SC | Decanoic Acid(S) | 1250250 | 1137730 | 9.0 | SC | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 9.0 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830039.D Vial: 39
Acq On : 8-31-21 6:57:03 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 31 9:35 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:23:22 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) | 5.80f | 81916627 | 32.760 ppb |
| Surrogate Spike 24.000 | Recovery = | | 136.50% |
| Target Compounds | | | |
| Target Compounds | | | |

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

TPH Extractables
DOC0831

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/31/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 830055.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2019600 | 2202970 | 9.1 | HATM | |
| 2 | HBTM | Motor Oil (C24-C40) | 2035830 | 1772740 | 13 | HBTML | 17 |
| 3 | SA | Ortho-Terphenyl(S) | 2590720 | 2862260 | 10 | SA | |
| 4 | SA | Octacosane(S) | 1926380 | 2224250 | 15 | SA | |
| 5 | | | | | | | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 11.8 | | |

Quantitation Report (Not Reviewed)

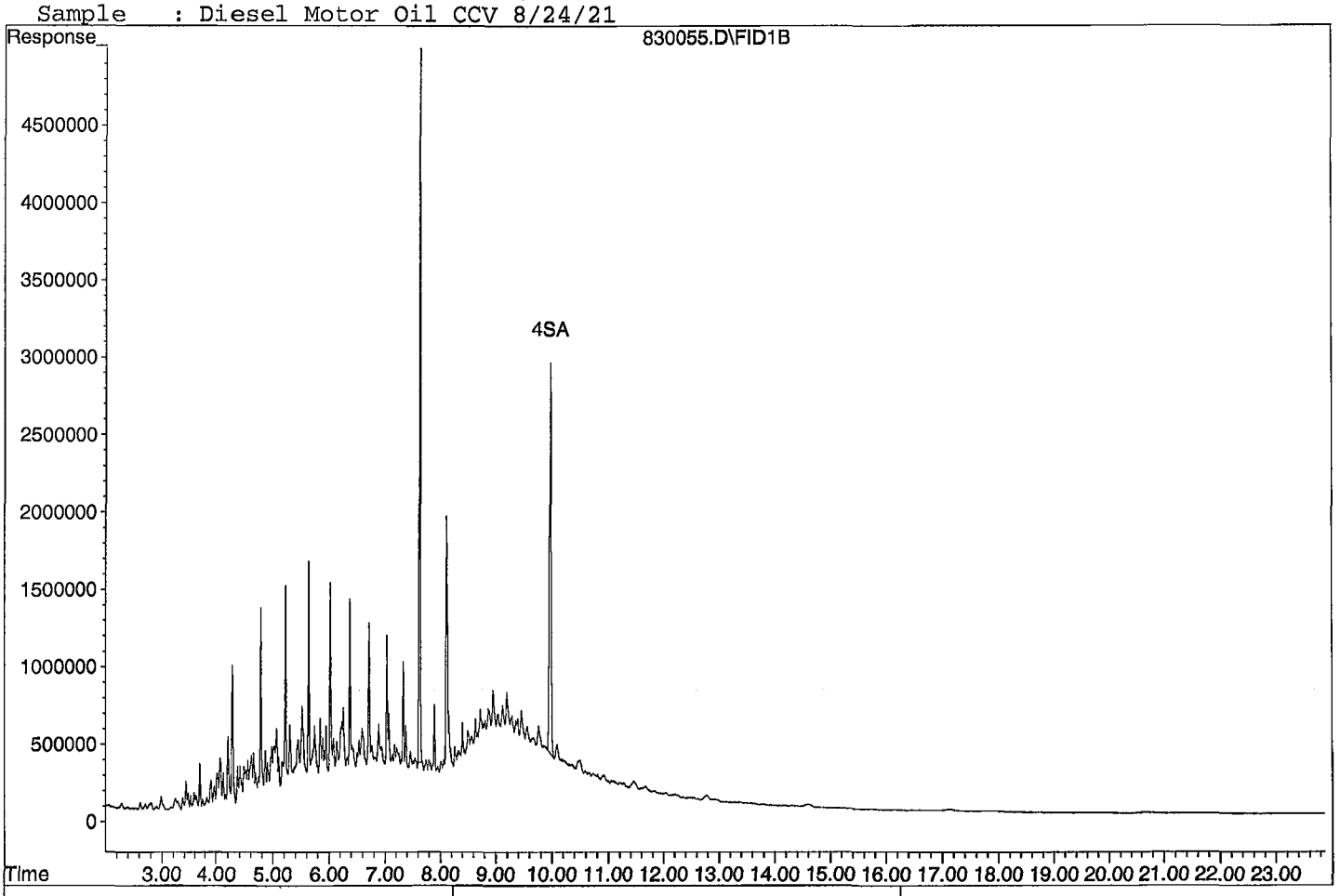
Data File : G:\APOLLO\DATA\210830\830055.D Vial: 55
Acq On : 8-31-21 14:30:53 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 31 15:02 2021 Quant Results File: DOC0831.RES

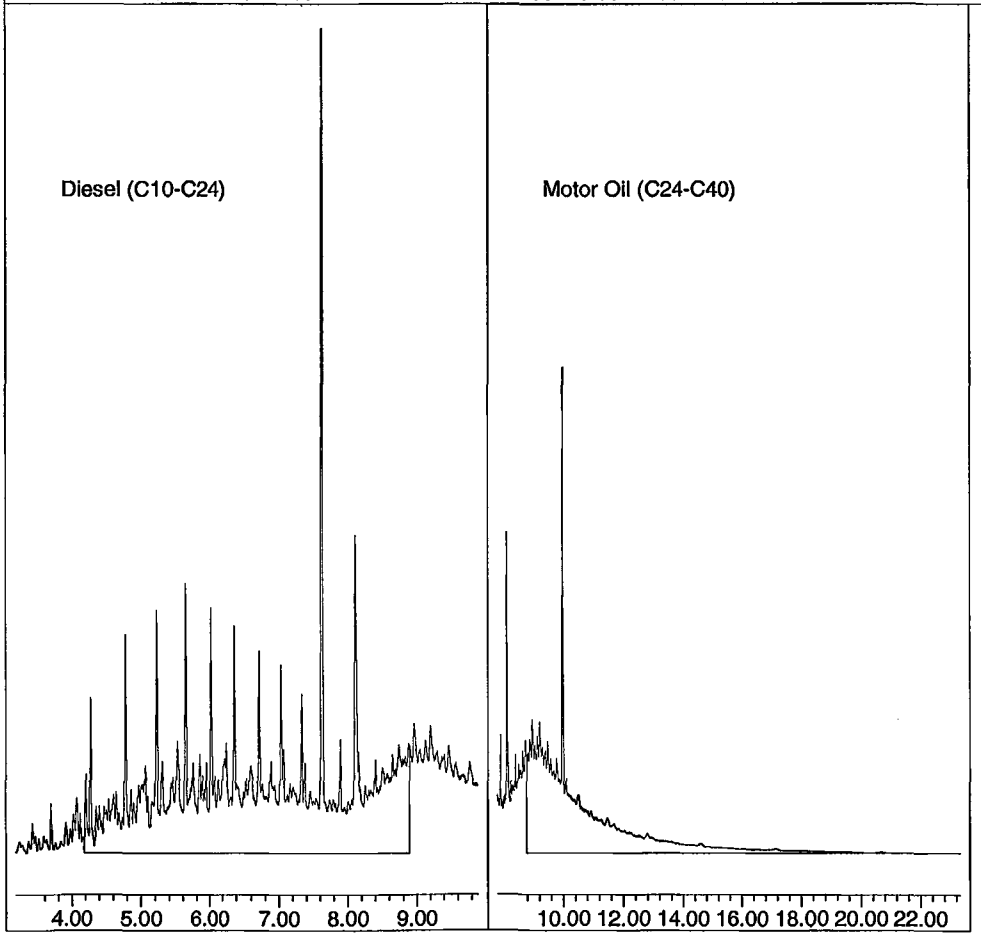
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 71556537 | 13.810 ppb |
| Surrogate Spike 30.000 | Recovery = | | 46.03% |
| 4) SA Octacosane(S) | 9.98 | 55606228 | 14.433 ppb |
| Surrogate Spike 30.000 | Recovery = | | 48.11% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.54 | 1101484801 | 272.699 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.55 | 886370832 | 291.523 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210830\830055.D
Sample : Diesel Motor Oil CCV 8/24/21



TPH Extractables
DEC0712

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/31/2021
Instrument: Apollo
Initial Cal. Date: 7/12/2021
Data File: 830056.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | SC | Decanoic Acid(S) | 1250250 | 1091410 | 13 | SC | |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
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| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 13.0 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210830\830056.D Vial: 56
Acq On : 8-31-21 14:59:15 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 1 8:23 2021 Quant Results File: DEC0712.RES

Method : G:\APOLLO\DATA\210808\DEC0712.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:23:22 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) | 5.80f | 78581593 | 31.426 ppb |
| Surrogate Spike 24.000 | Recovery = | | 130.94% |
| Target Compounds | | | |

Target Compounds

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

# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210830\830051.D Vial: 51
Acq On : 8-31-21 12:37:24 Operator: KA
Sample : BA37730W07 5/1030 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

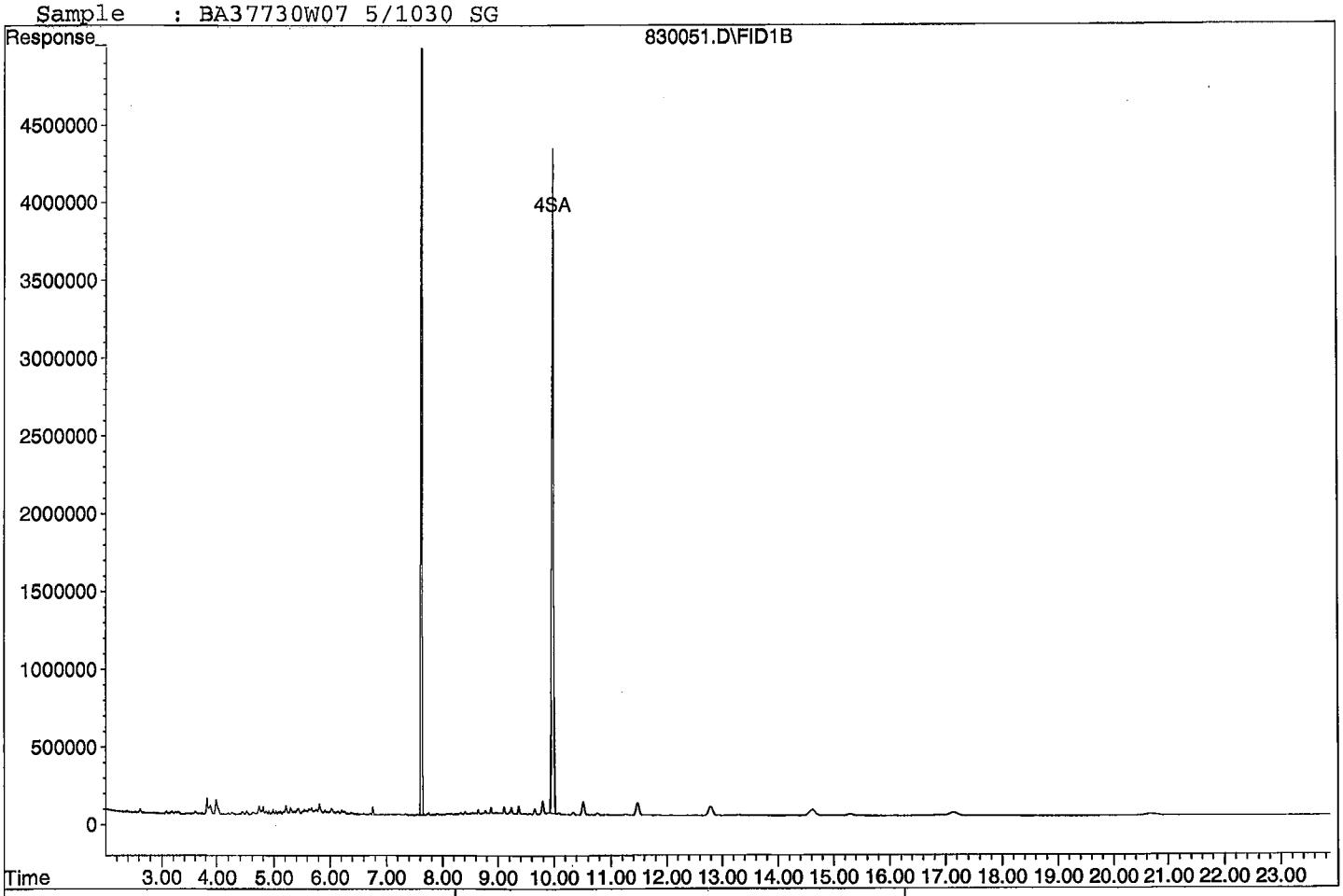
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

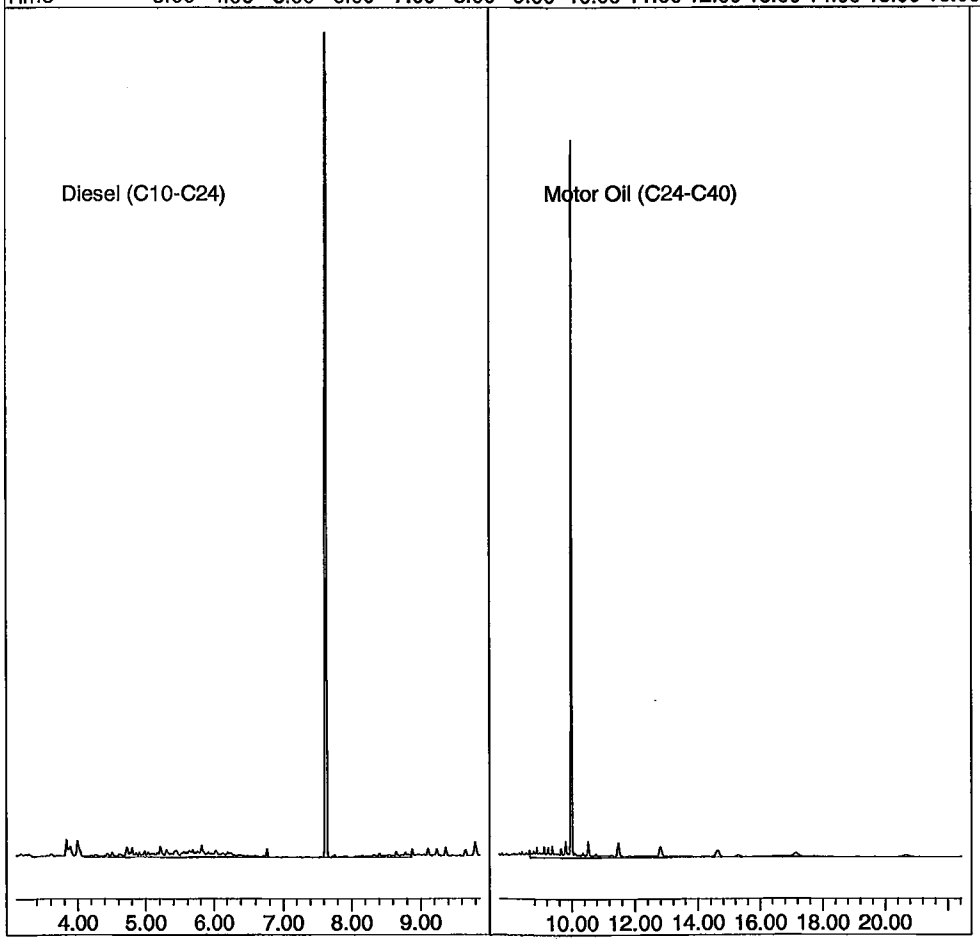
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 101899445 | 91.602 ppb |
| Surrogate Spike 150.000 | | Recovery = | 61.07% |
| 4) SA Octacosane(S) | 9.97 | 92275229 | 109.073 ppb |
| Surrogate Spike 150.000 | | Recovery = | 72.72% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 40847735 | 15.164 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 77301816 | 106.855 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window  (m)=manual int.
830051.D DOC0831.M Wed Sep 22 10:46:22 2021 

Data File: G:\APOLLO\DATA\210830\830051.D
Sample : BA37730W07 5/1030 SG



Quantitation Report (QT Reviewed)

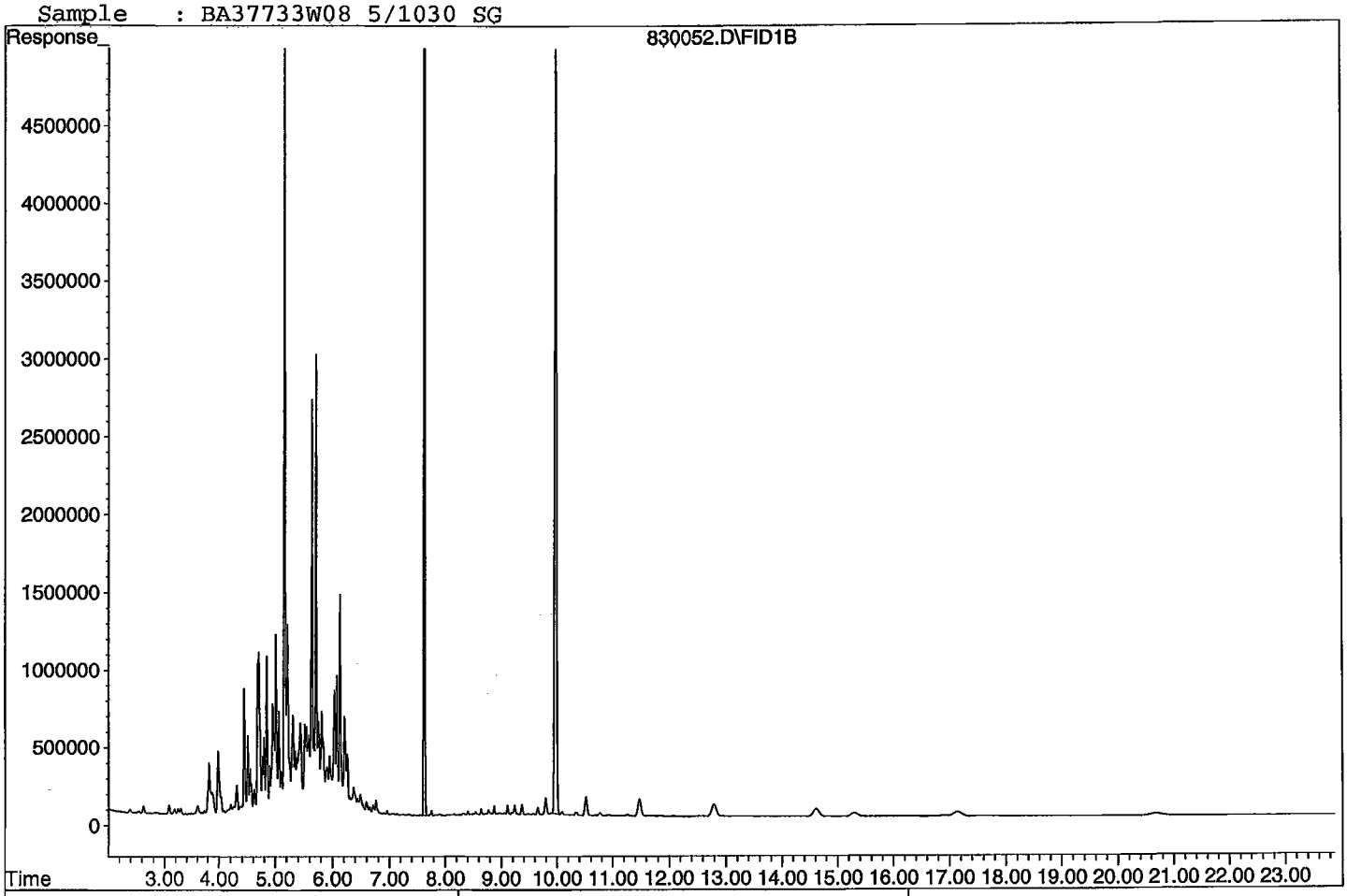
Data File : G:\APOLLO\DATA\210830\830052.D Vial: 52
Acq On : 8-31-21 13:05:45 Operator: KA
Sample : BA37733W08 5/1030 SG Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

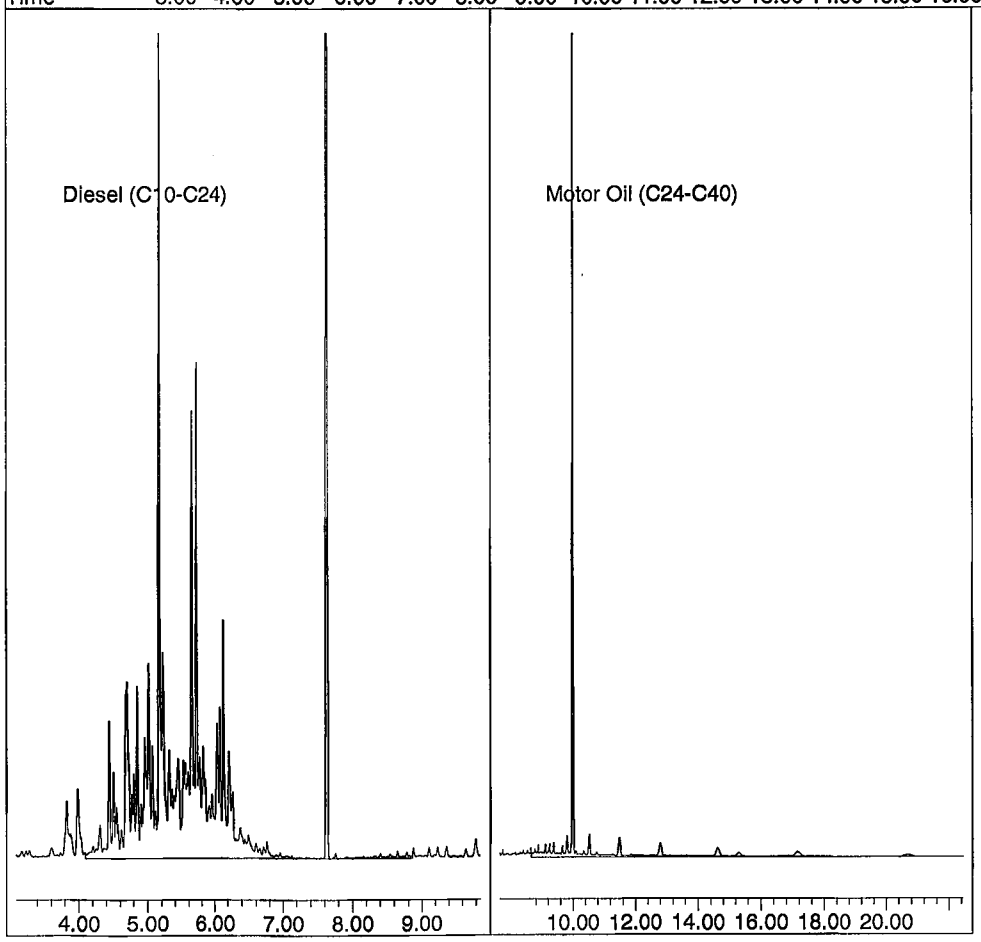
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 132208538 | 115.386 ppb |
| Surrogate Spike 145.631 | | Recovery = | 79.23% |
| 4) SA Octacosane(S) | 9.98 | 120233268 | 137.981 ppb |
| Surrogate Spike 145.631 | | Recovery = | 94.75% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 632434122 | 694.732 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 85612517 | 114.896 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210830\830052.D
Sample : BA37733W08 5/1030 SG



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210830\830053.D Vial: 53
Acq On : 8-31-21 13:34:10 Operator: KA
Sample : BA37736W07 5/1030 SG Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

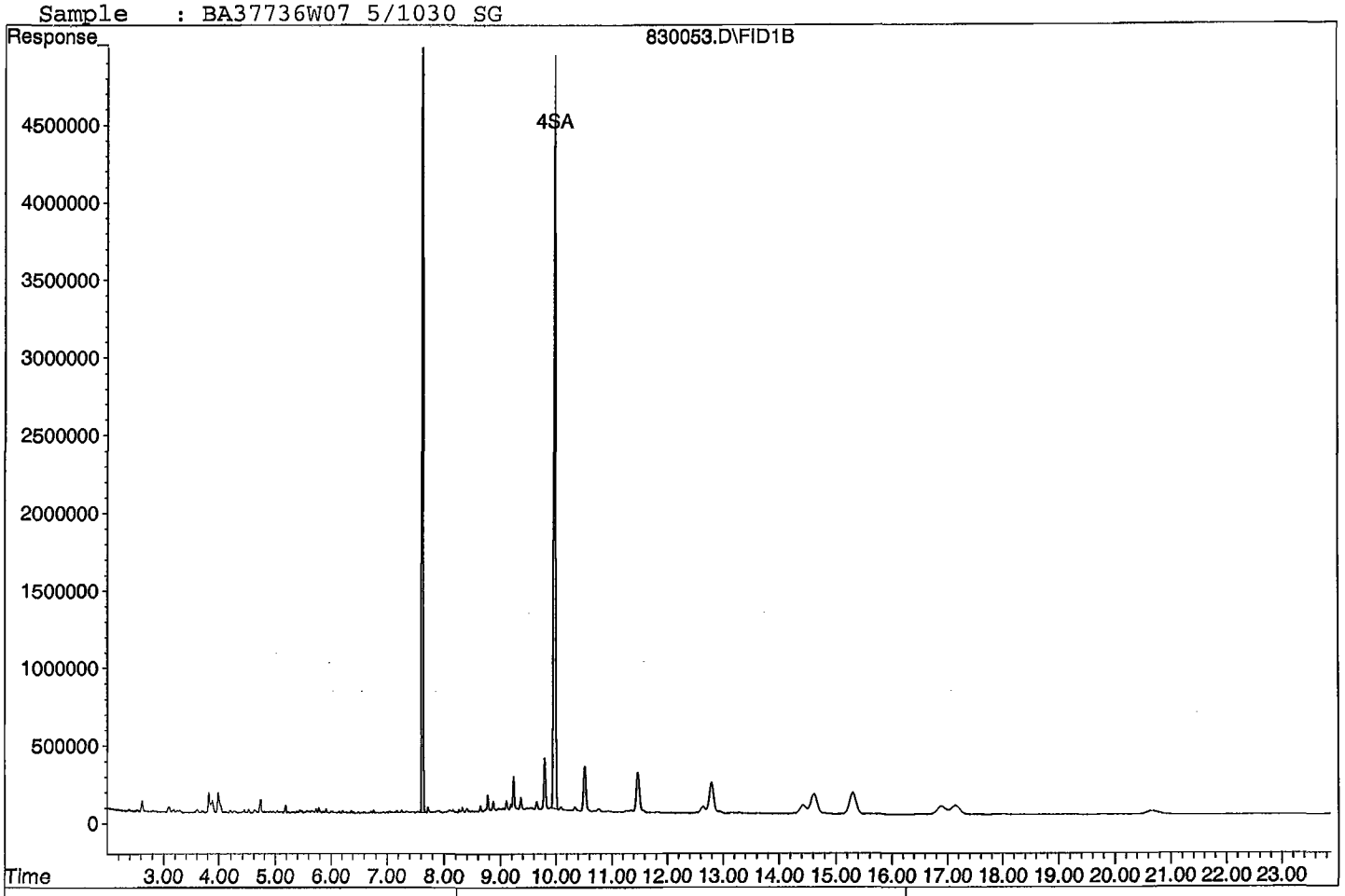
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

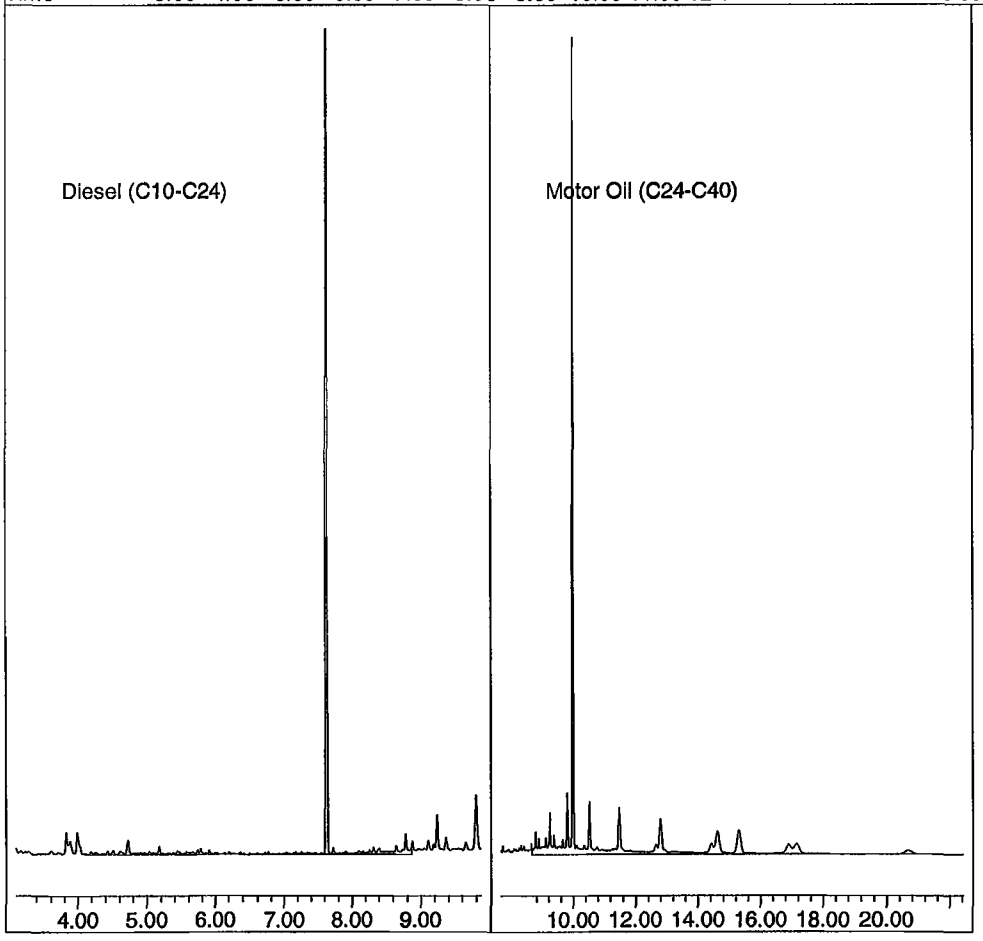
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 113041652 | 98.658 ppb |
| Surrogate Spike 145.631 | | Recovery = | 67.75% |
| 4) SA Octacosane(S) | 9.98 | 105584254 | 121.169 ppb |
| Surrogate Spike 145.631 | | Recovery = | 83.20% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 31698592 | 4.205 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 195043280 | 261.758 ppb |

Target Compounds

Data File: G:\APOLLO\DATA\210830\830053.D
Sample : BA37736W07 5/1030 SG



Quantitation Report (QT Reviewed)

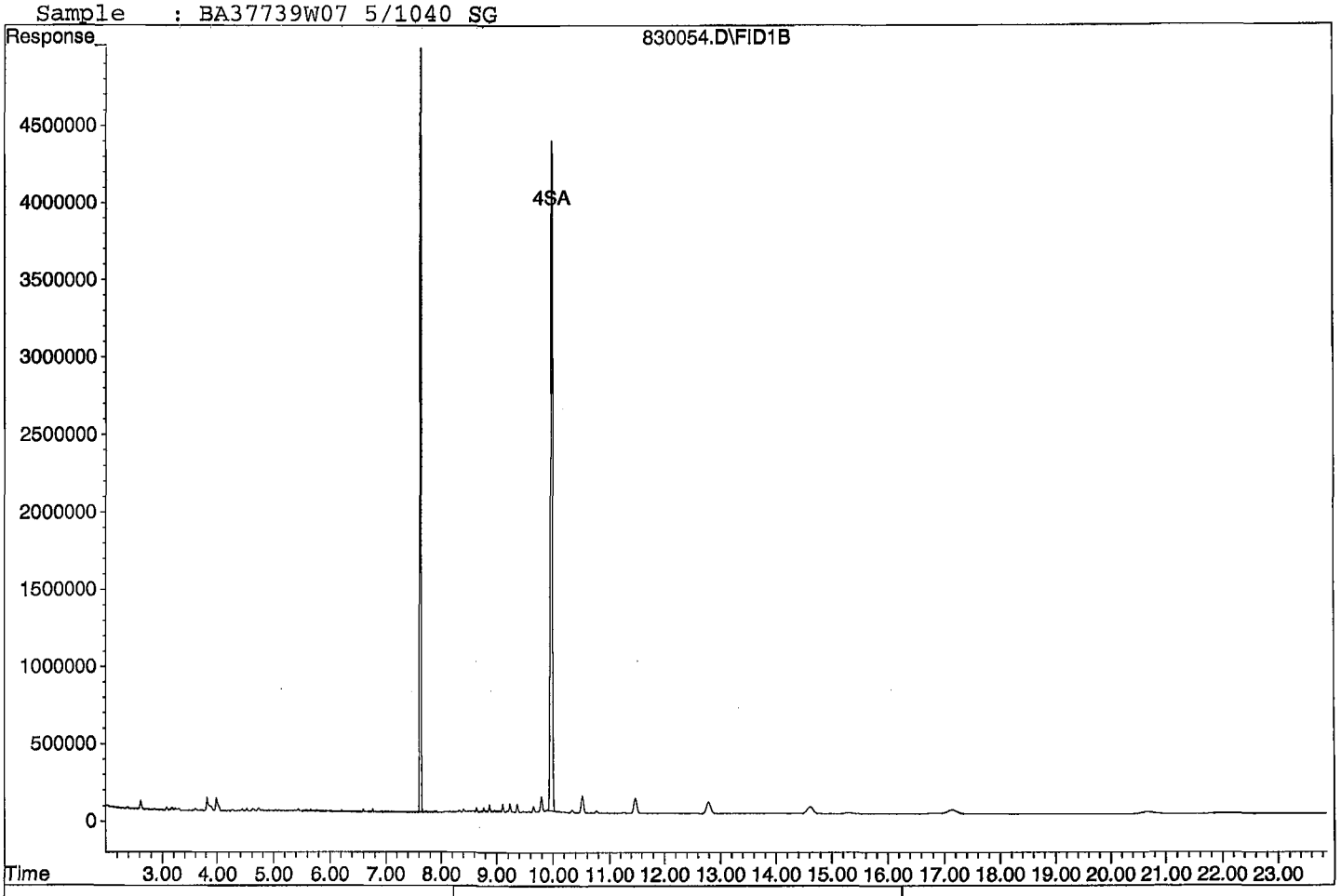
Data File : G:\APOLLO\DATA\210830\830054.D Vial: 54
Acq On : 8-31-21 14:02:32 Operator: KA
Sample : BA37739W07 5/1040 SG Inst : Apollo
Misc : water Multiplr: 4.81
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

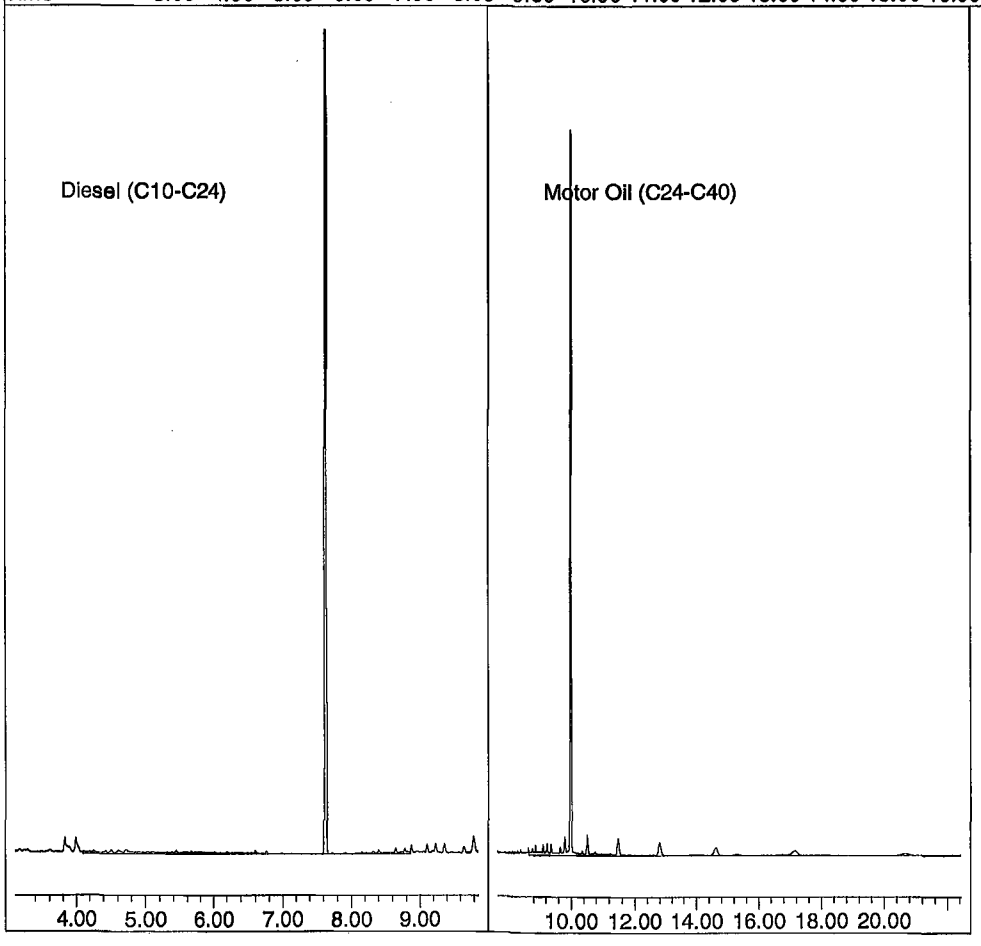
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 109040954 | 94.251 ppb |
| Surrogate Spike 144.231 | | Recovery = | 65.35% |
| 4) SA Octacosane(S) | 9.98 | 100515057 | 114.243 ppb |
| Surrogate Spike 144.231 | | Recovery = | 79.21% |
| Target Compounds | | | |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 70003536 | 93.045 ppb |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 22566988 | N.D. ppb |

Data File: G:\APOLLO\DATA\210830\830054.D
Sample : BA37739W07 5/1040 SG



Quantitation Report (QT Reviewed)

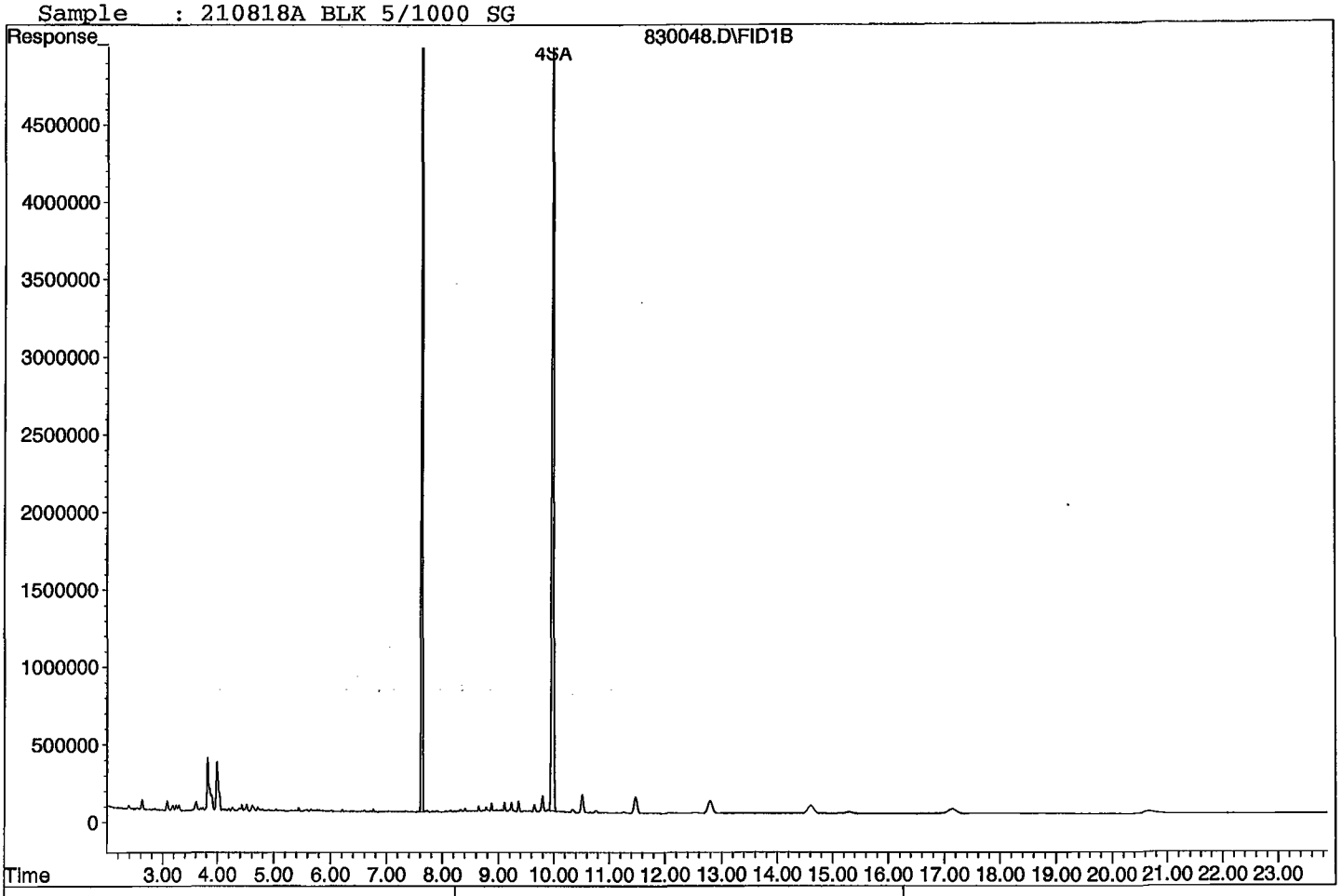
Data File : G:\APOLLO\DATA\210830\830048.D Vial: 48
Acq On : 8-31-21 11:12:32 Operator: KA
Sample : 210818A BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 22 9:55 2021 Quant Results File: DOC0831.RES

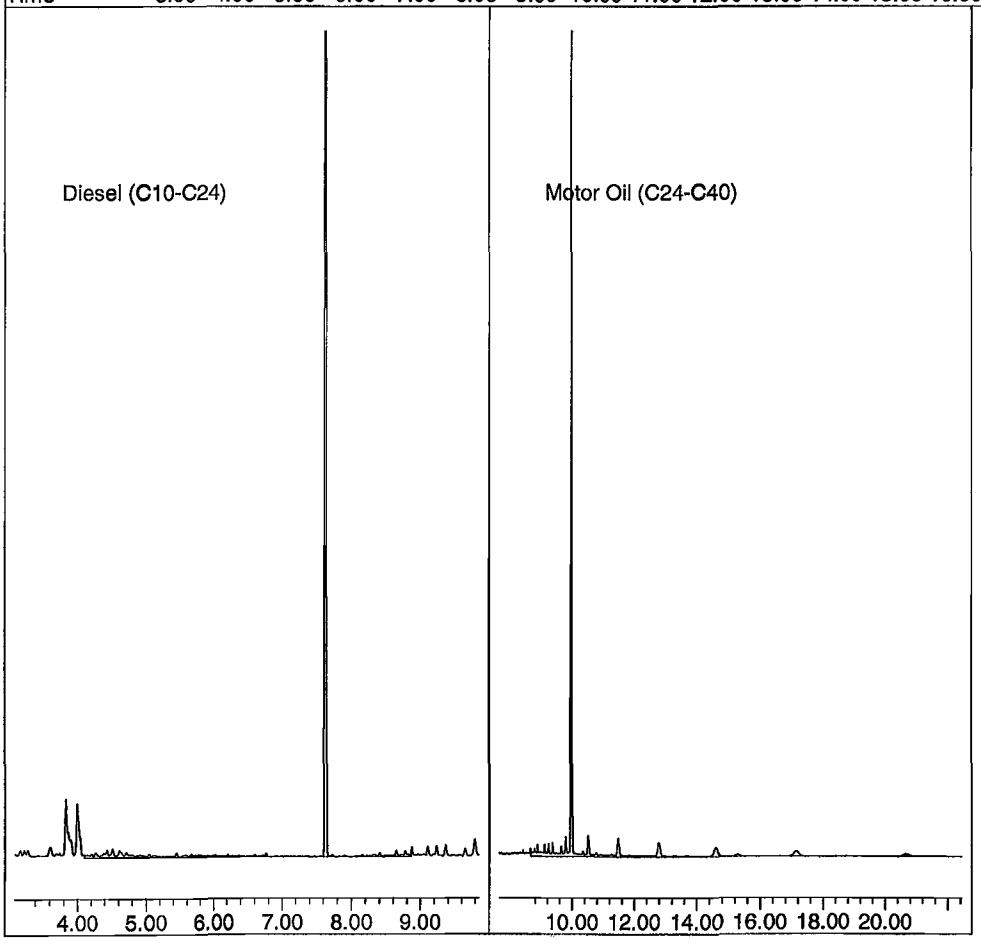
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 133248221 | 119.782 ppb |
| Surrogate Spike 150.000 | | Recovery = | 79.85% |
| 4) SA Octacosane(S) | 9.98 | 120975882 | 142.998 ppb |
| Surrogate Spike 150.000 | | Recovery = | 95.33% |
| Target Compounds | | | |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 78254097 | 108.172 ppb |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 25735553 | N.D. ppb |

Data File: G:\APOLLO\DATA\210830\830048.D
Sample : 210818A BLK 5/1000 SG



Quantitation Report (QT Reviewed)

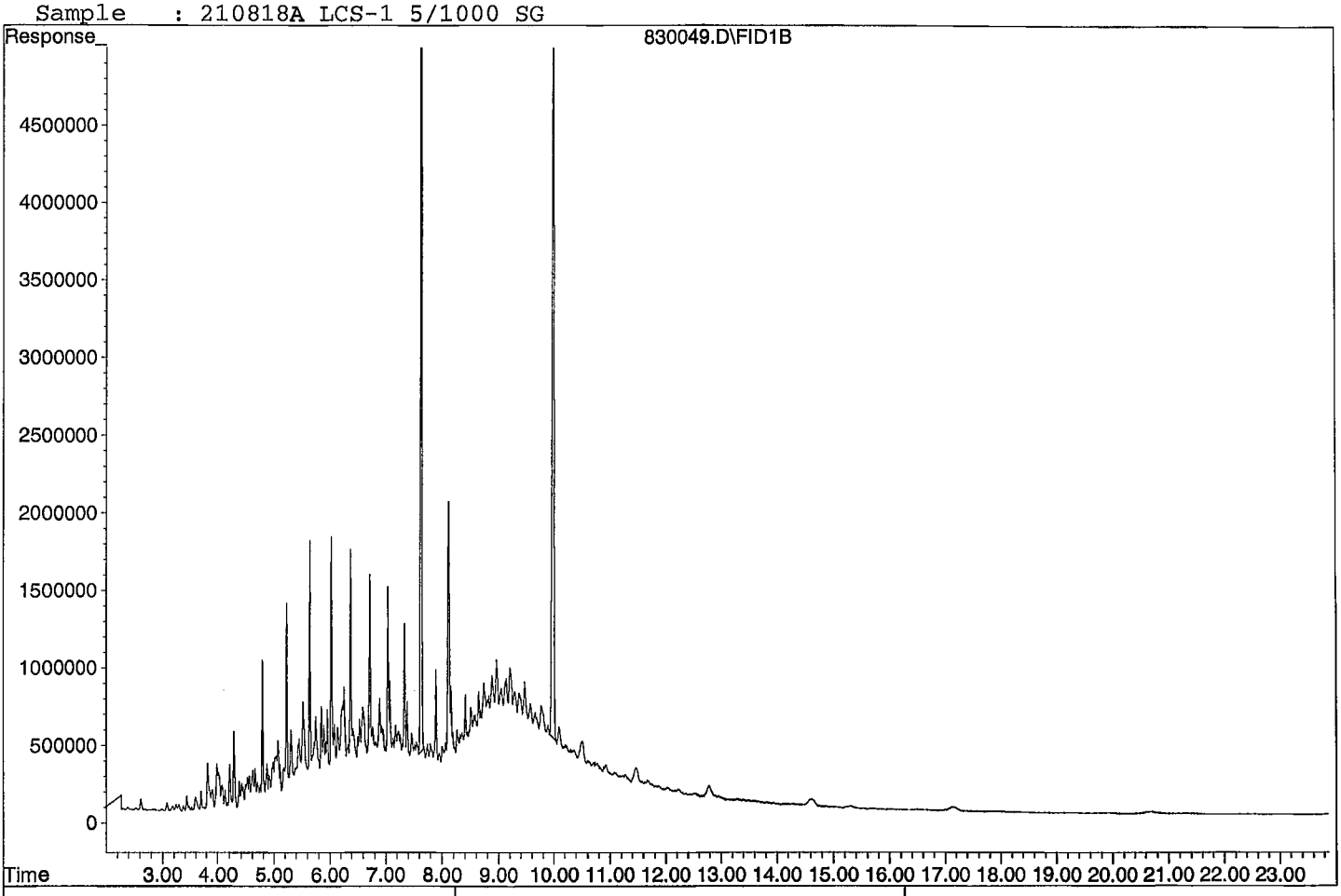
Data File : G:\APOLLO\DATA\210830\830049.D Vial: 49
Acq On : 8-31-21 11:40:51 Operator: KA
Sample : 210818A LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

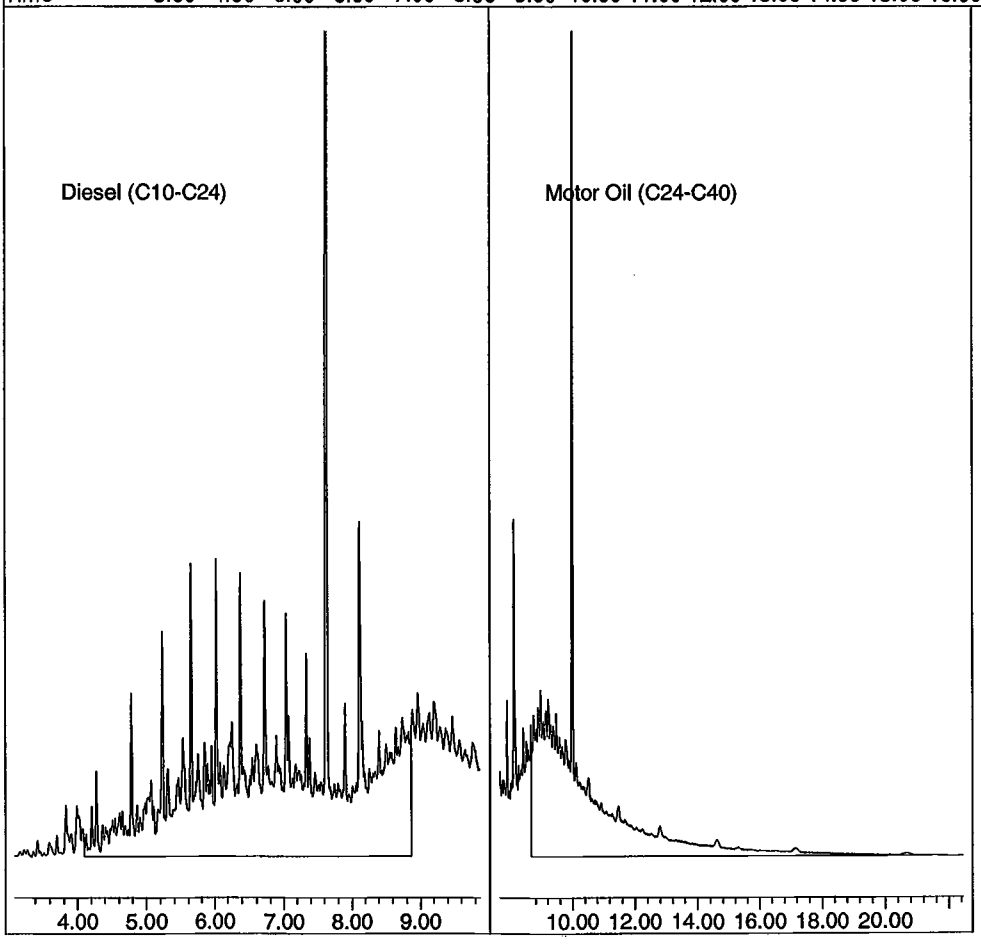
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 136701543 | 122.887 ppb |
| Surrogate Spike 150.000 | | Recovery = | 81.92% |
| 4) SA Octacosane(S) | 9.98 | 112753175 | 133.278 ppb |
| Surrogate Spike 150.000 | | Recovery = | 88.85% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1277320487 | 1479.088 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 1168335312 | 1615.004 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210830\830049.D
Sample : 210818A LCS-1 5/1000 SG



Quantitation Report (QT Reviewed)

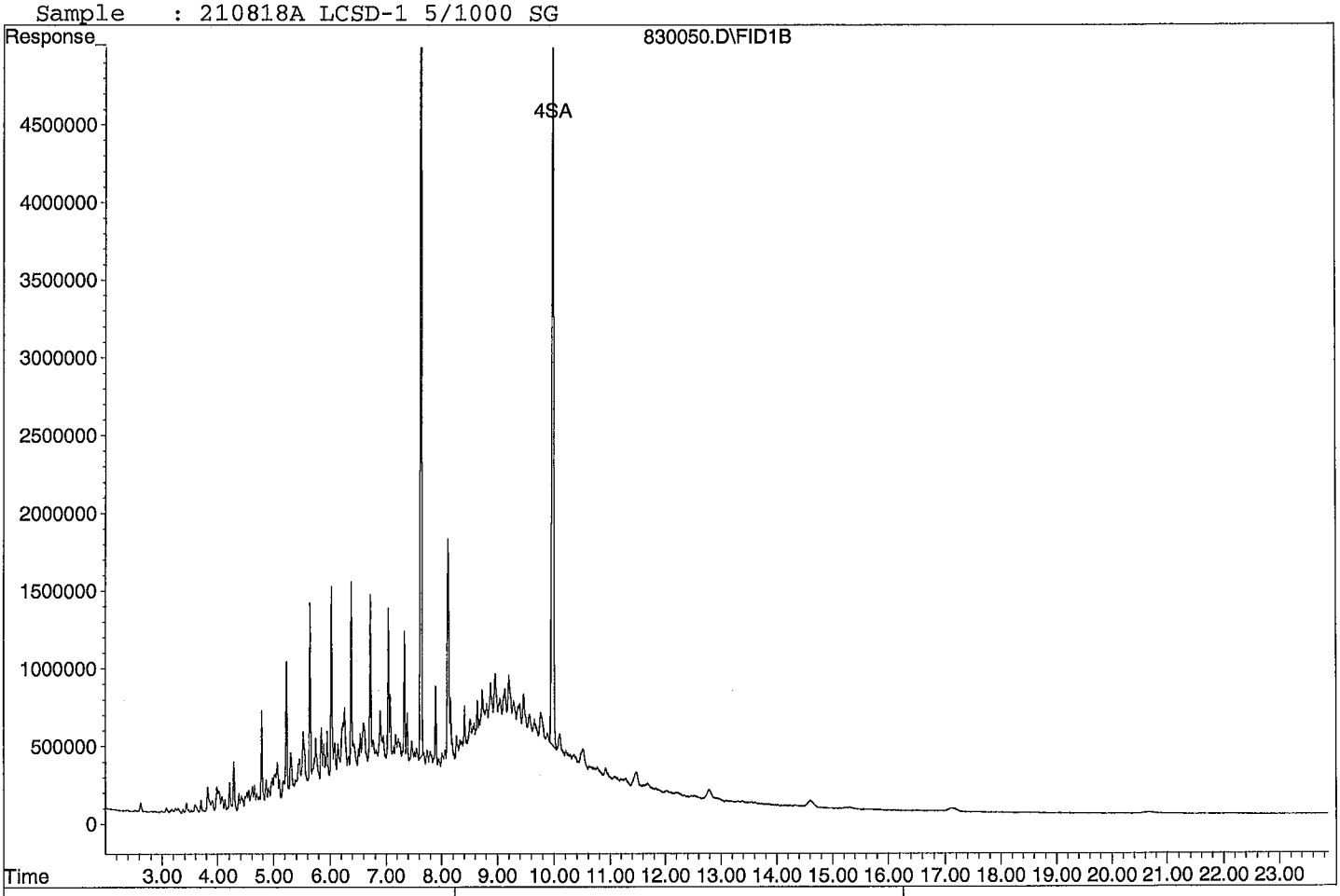
Data File : G:\APOLLO\DATA\210830\830050.D Vial: 50
Acq On : 8-31-21 12:09:07 Operator: KA
Sample : 210818A LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 22 9:54 2021 Quant Results File: DOC0831.RES

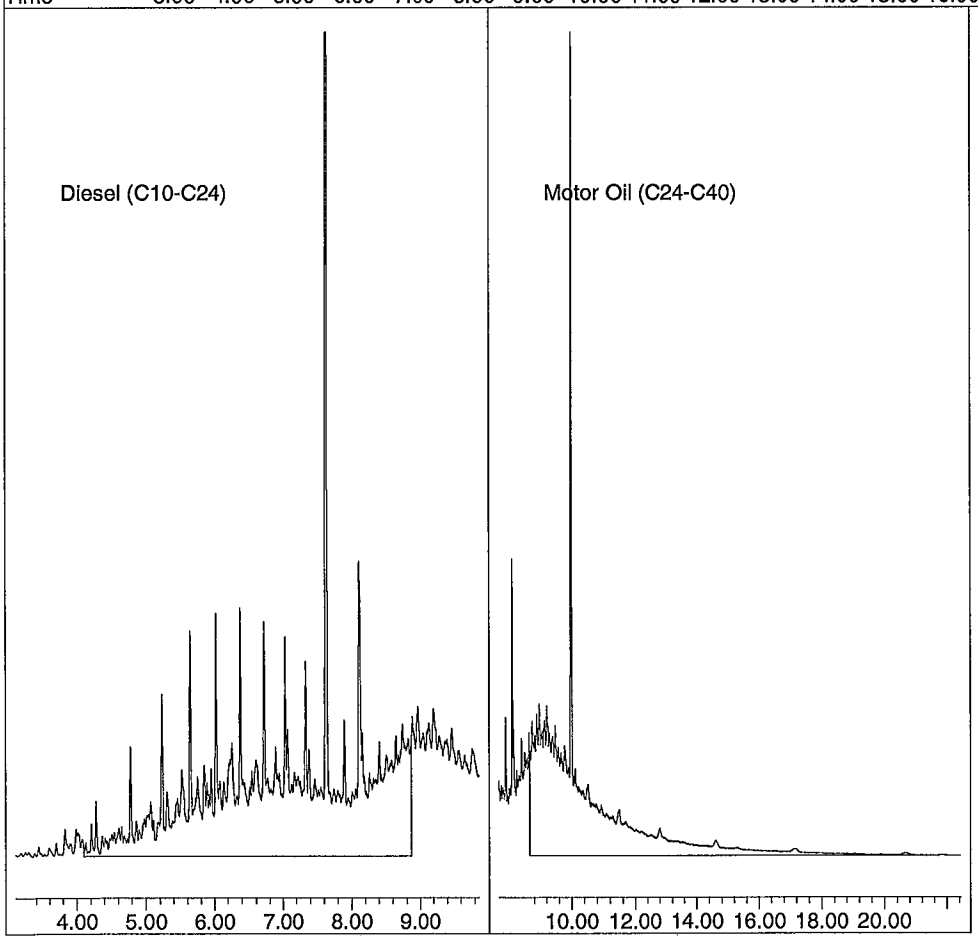
Method : G:\APOLLO\DATA\210830\DOC0831.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.63 | 120996005 | 108.768 ppb |
| Surrogate Spike 150.000 | | Recovery = | 72.51% |
| 4) SA Octacosane(S) | 9.98 | 100372676 | 118.644 ppb |
| Surrogate Spike 150.000 | | Recovery = | 79.10% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1091095644 | 1258.607 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 1081209598 | 1494.569 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210830\830050.D
Sample : 210818A LCSD-1 5/1000 SG



_LIQ005SGC

# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH- 3520C w/SGC | Extraction Set | 210818A | Extraction Method | LIQ005SGC | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | Diesel Motor Oil Mix | | Surrogate ID 1 | THC Surrogate | |
| Spiked ID 2 | Decanoic 1000ug/mL Acid Solution | | 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: | | |
| Spiked ID 8 | | | Ext. End Time: | | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 2 | | Water Bath Temp 1 °C | |
| pH2 | | | Water Bath Temp 2 °C | |
| pH3 | | | Water Bath Temp 3 °C | |

**Spiked By:** **Date** **Witnessed By:** **Date**

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 210818A Blk | | 0.050 | 2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 2 | 210818A LCS-1 | | 0.080,0.050 | 1,2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 3 | 210818A LCSD-1 | | 0.080,0.050 | 1,2 | 0.250 | 1 equip | 1000 | 5 | 2 | 08/18/21 10:39 | * |
| 4 | BA37730 | BA37730W07 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 5 | BA37733 | BA37733W08 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 6 | BA37736 | BA37736W07 | 0.050 | 2 | 0.250 | 1 equip | 1030 | 5 | 2 | 08/18/21 10:39 | 97159 * |
| 7 | BA37739 | BA37739W07 | 0.050 | 2 | 0.250 | 1 equip | 1040 | 5 | 2 | 08/18/21 10:39 | 97159 * |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 160282 * |
| PH Strips | HC155968* |
| Dichloromethane (DCM) | 161117 |
| Filter Paper | 407181 * |
| Sodium Sulfate | 1662952O3 |
| SILICA GEL (*) | * |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | |
| GC analyst's initials | CW |
| Date | 8/19/21 |
| Time | 11:35 |
| Refrigerator | Hobart |

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

| Modified | 8/19/2021 2:56:26 PM |
|---|---|

**Reviewed By:** **Date**

# Injection Log

Directory: G:\APOLLO\DATA\210712\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 712003.D | 1 | Decanoic Acid 1 07/12/21 | water | 7-12-21 10:17:48 |
| 2 | 4 | 712004.D | 1 | Decanoic Acid 2 07/12/21 | water | 7-12-21 10:46:08 |
| 3 | 5 | 712005.D | 1 | Decanoic Acid 3 07/12/21 | water | 7-12-21 11:14:29 |
| 4 | 6 | 712006.D | 1 | Decanoic Acid 4 07/12/21 | water | 7-12-21 11:42:47 |
| 5 | 7 | 712007.D | 1 | Decanoic Acid 5 07/12/21 | water | 7-12-21 12:11:03 |
| 6 | 8 | 712008.D | 1 | Decanoic Acid 6 07/12/21 | water | 7-12-21 12:39:20 |
| 7 | 4 | 830004.D | 1 | DMO STD Curve 1 | water | 8-30-21 14:23:31 |
| 8 | 5 | 830005.D | 1 | DMO STD Curve 2 | water | 8-30-21 14:52:00 |
| 9 | 6 | 830006.D | 1 | DMO STD Curve 3 | water | 8-30-21 15:20:31 |
| 10 | 7 | 830007.D | 1 | DMO STD Curve 4 | water | 8-30-21 15:48:59 |
| 11 | 8 | 830008.D | 1 | DMO STD Curve 5 | water | 8-30-21 16:17:29 |
| 12 | 9 | 830009.D | 1 | DMO STD Curve 6 | water | 8-30-21 16:45:57 |
| 13 | 10 | 830010.D | 1 | DMO STD Curve 7 | water | 8-30-21 17:14:26 |
| 14 | 11 | 830011.D | 1 | DMO Second Source | water | 8-30-21 17:43:02 |
| 15 | 38 | 830038.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-31-21 6:28:43 |
| 16 | 39 | 830039.D | 1 | Decanoic Acid CCV 8/20/21 | water | 8-31-21 6:57:03 |
| 17 | 48 | 830048.D | 5 | 210818A BLK 5/1000 SG | water | 8-31-21 11:12:32 |
| 18 | 49 | 830049.D | 5 | 210818A LCS-1 5/1000 SG | water | 8-31-21 11:40:51 |
| 19 | 50 | 830050.D | 5 | 210818A LCSD-1 5/1000 SG | water | 8-31-21 12:09:07 |
| 20 | 51 | 830051.D | 5 | BA37730W07 5/1030 SG | water | 8-31-21 12:37:24 |
| 21 | 52 | 830052.D | 4.85437 | BA37733W08 5/1030 SG | water | 8-31-21 13:05:45 |
| 22 | 53 | 830053.D | 4.85437 | BA37736W07 5/1030 SG | water | 8-31-21 13:34:10 |
| 23 | 54 | 830054.D | 4.80769 | BA37739W07 5/1040 SG | water | 8-31-21 14:02:32 |
| 24 | 55 | 830055.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-31-21 14:30:53 |
| 25 | 56 | 830056.D | 1 | Decanoic Acid CCV 8/20/21 | water | 8-31-21 14:59:15 |

# ORGANICS

## Calibration Data

TPH Extractables
DOC0823

## Form 6
## Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 8/23/2021
Matrix: Water Instrument: Apollo Initials: KA

| | | | 823003.D | 823004.D | 823005.D | 823006.D | 823007.D | 823008.D | 823009.D | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q |
| 1 | HATML | Diesel (C10-C24) | 5178390 | 3314799 | 2393411 | 2117814 | 2081239 | | 2147290 | | | | 2872157 | 43 | HATM | 1.000 | |
| 2 | HBTM | Motor Oil (C24-C40) | | 2341319 | 1757653 | 1666238 | 1620332 | 1805322 | 1657277 | | | | 1808023 | 15 | HBTM | | |
| 3 | SA | Ortho-Terphenyl(S) | 3565944 | 2794027 | 2683036 | 2584173 | 2476235 | 2582536 | 2582862 | | | | 2752688 | 14 | SA | | |
| 4 | SA | Octacosane(S) | 2615496 | 2071028 | 2036167 | 1983348 | 1937095 | 2168069 | 2046820 | | | | 2122575 | 11 | 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 | | | | | | | | | | | | | | | | | |

2.336817

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823003.D Vial: 3
Acq On : 8-23-21 18:21:55 Operator: KA
Sample : DMO Curve 1 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

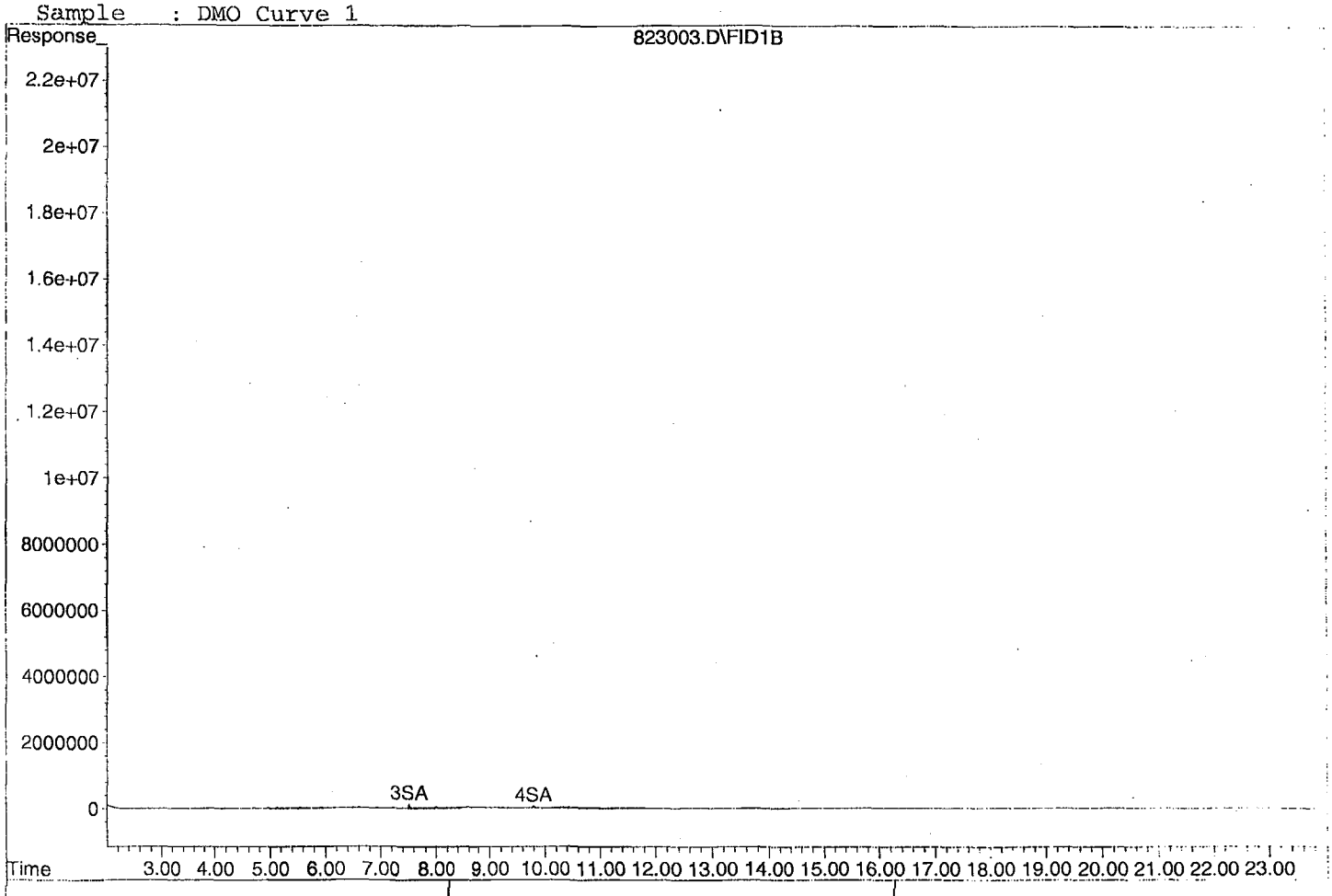
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

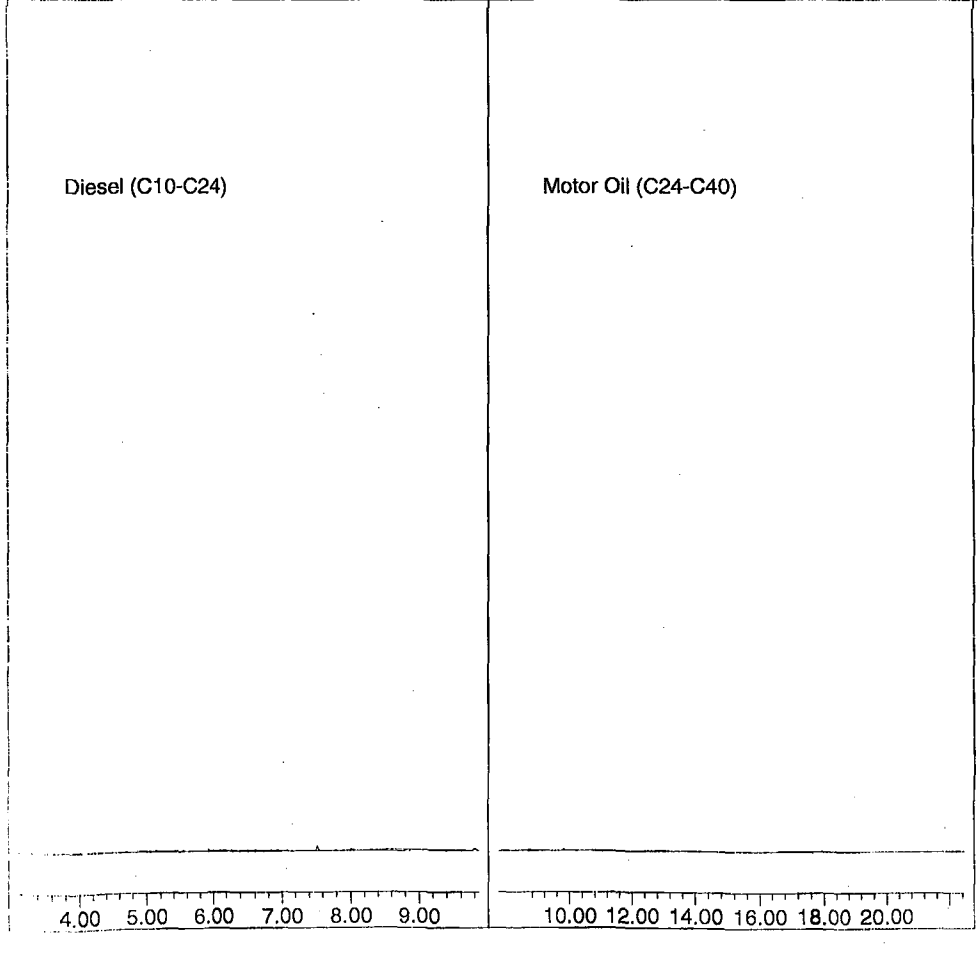
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 1782972 | 0.324 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.08% |
| 4) SA Octacosane(S) | 9.80 | 1307748 | 0.308 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.03% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 51783897 | 5.622 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 49545102 | 13.701 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210823\823003.D
Sample : DMO Curve 1



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823004.D Vial: 4
Acq On : 8-23-21 18:50:30 Operator: KA
Sample : DMO Curve 2 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

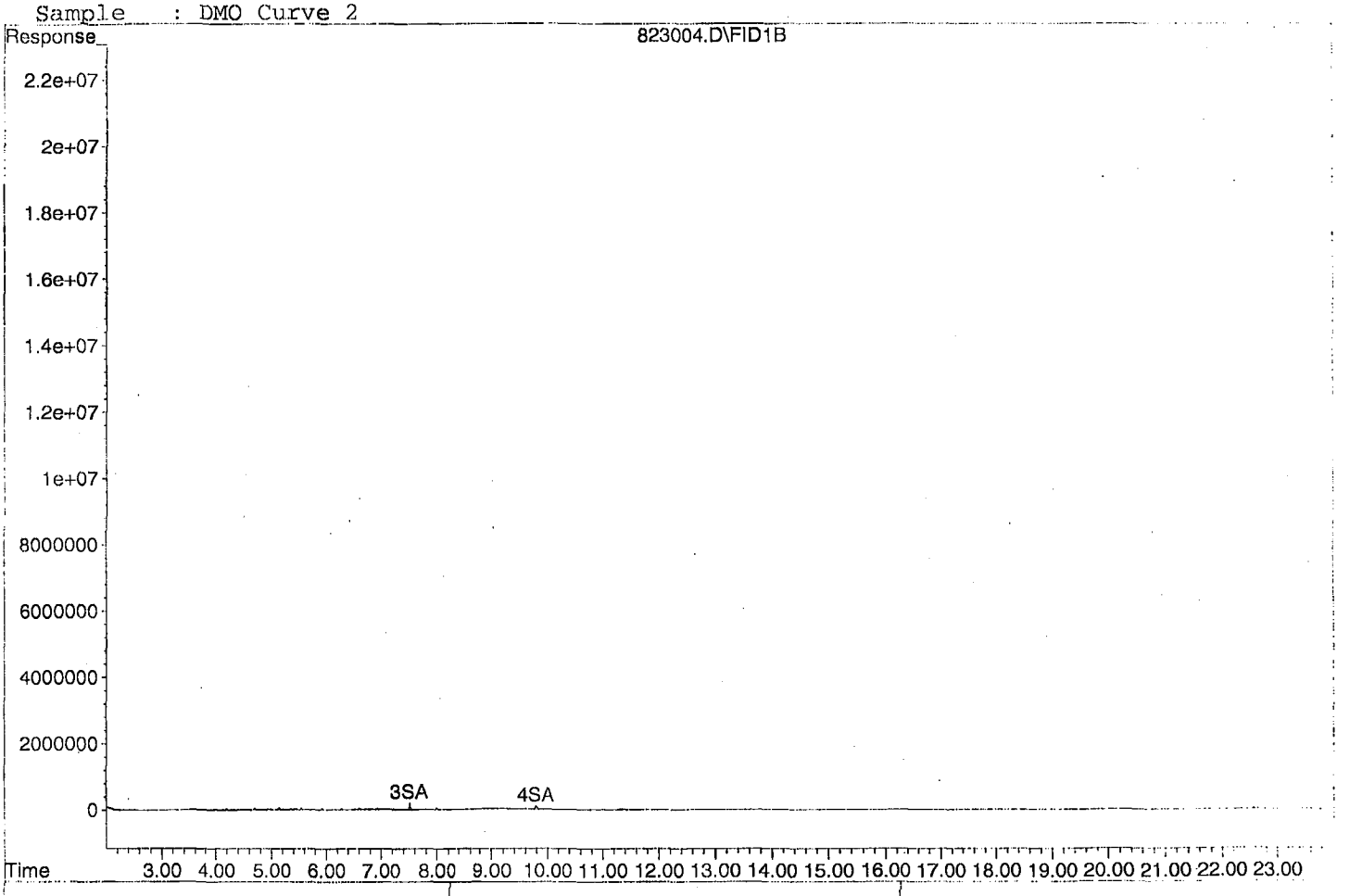
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

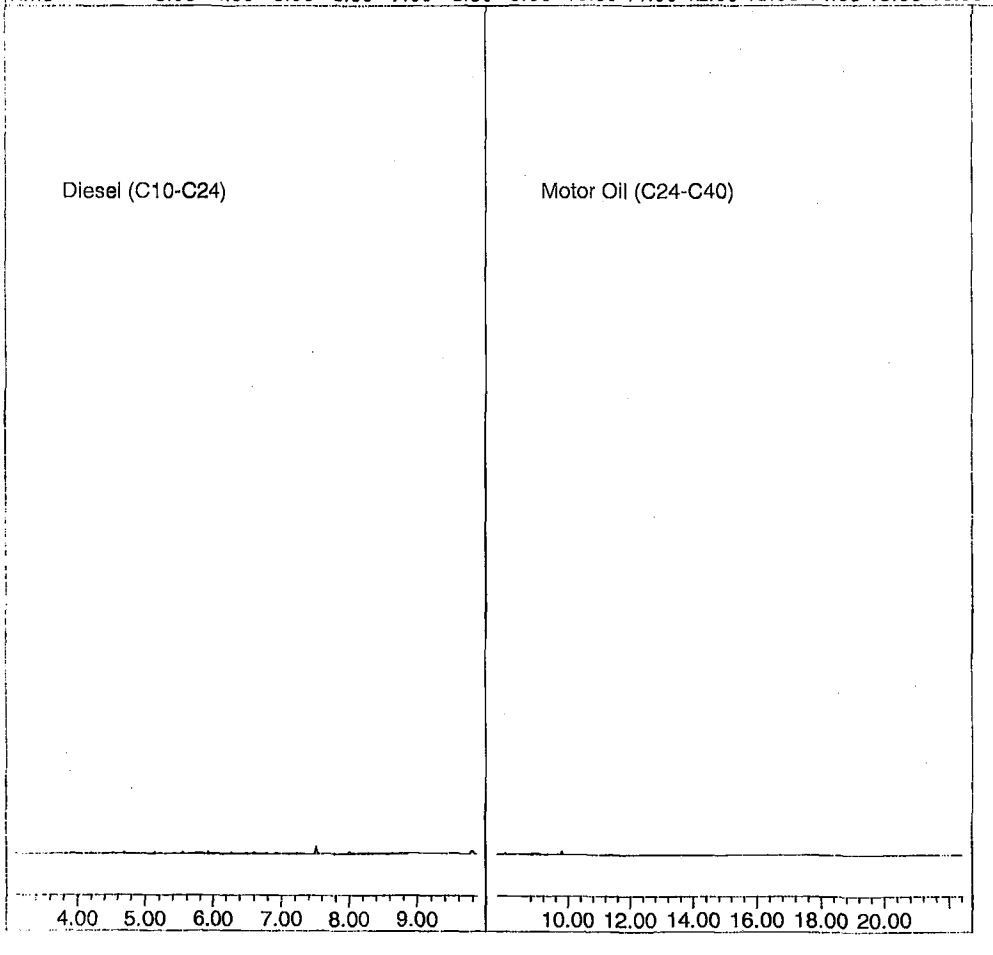
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 2794027 | 0.508 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.69% |
| 4) SA Octacosane(S) | 9.80 | 2071028 | 0.488 ppb |
| Surrogate Spike 30.000 | Recovery = | | 1.63% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 66295984 | 9.059 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 46826374 | 12.950 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210823\823004.D
Sample : DMO Curve 2



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823005.D Vial: 5
Acq On : 8-23-21 19:18:55 Operator: KA
Sample : DMO Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

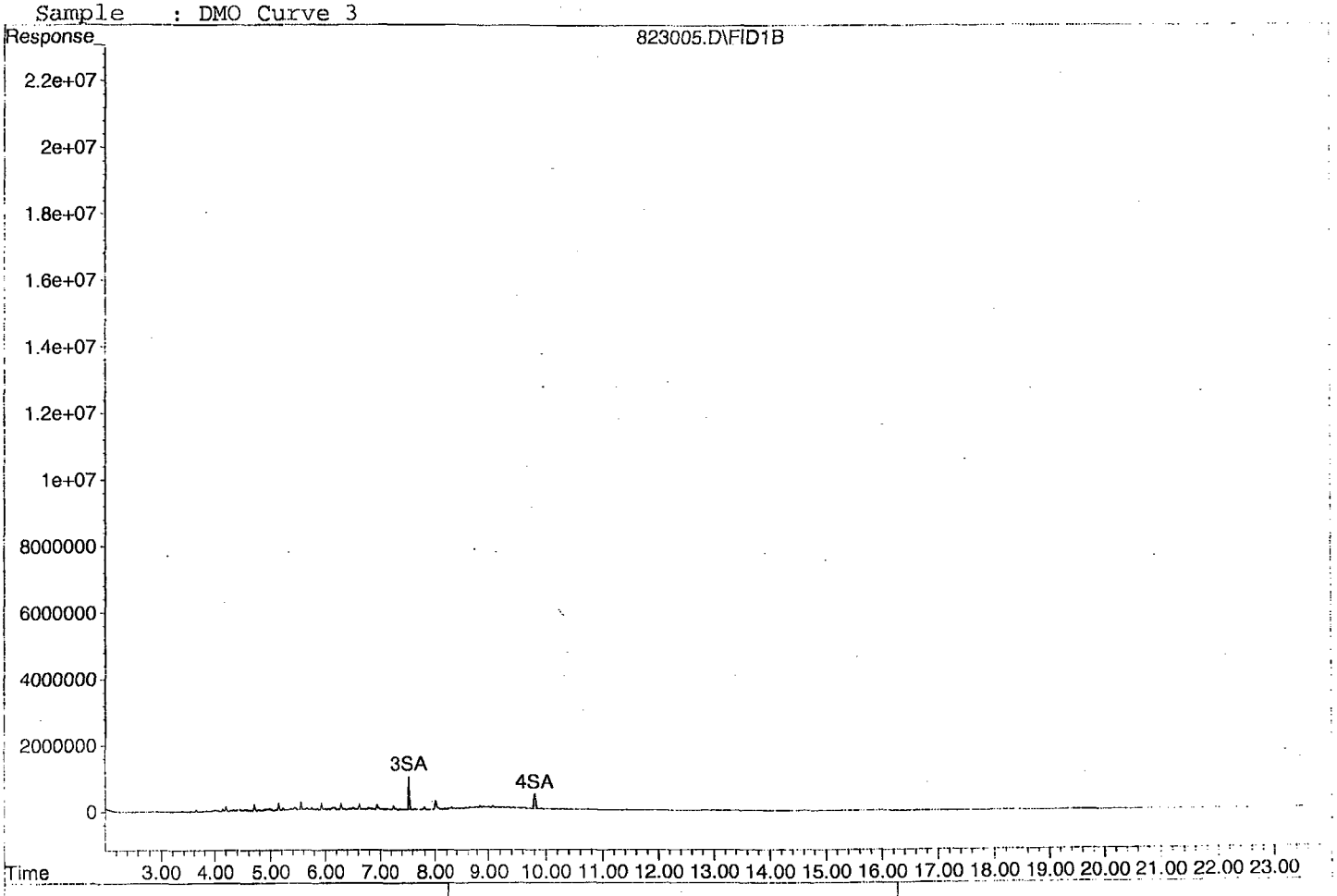
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

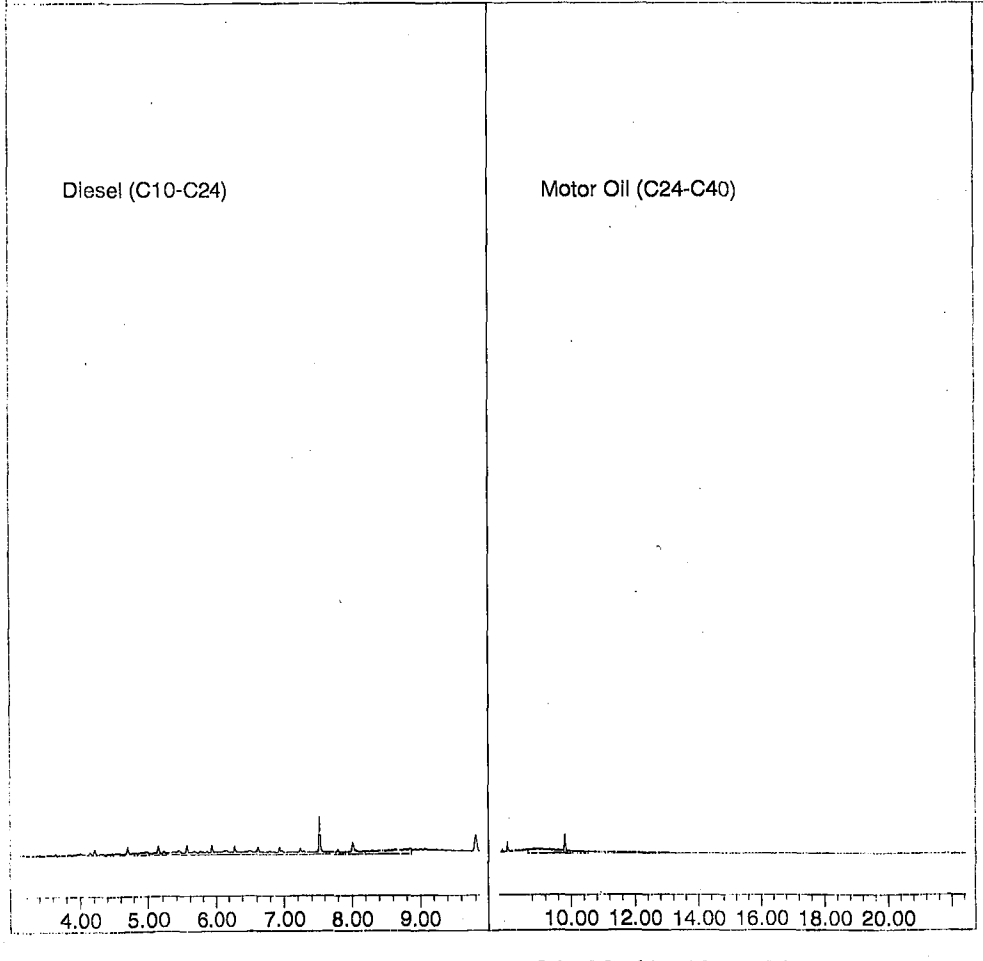
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 13415180 | 2.437 ppb |
| Surrogate Spike 30.000 | Recovery = | | 8.12% |
| 4) SA Octacosane(S) | 9.80 | 10180835 | 2.398 ppb |
| Surrogate Spike 30.000 | Recovery = | | 7.99% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 239341099 | 50.034 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 175765333 | 48.607 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210823\823005.D
Sample : DMO Curve 3



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823006.D Vial: 6
Acq On : 8-23-21 19:47:24 Operator: KA
Sample : DMO Curve 4 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

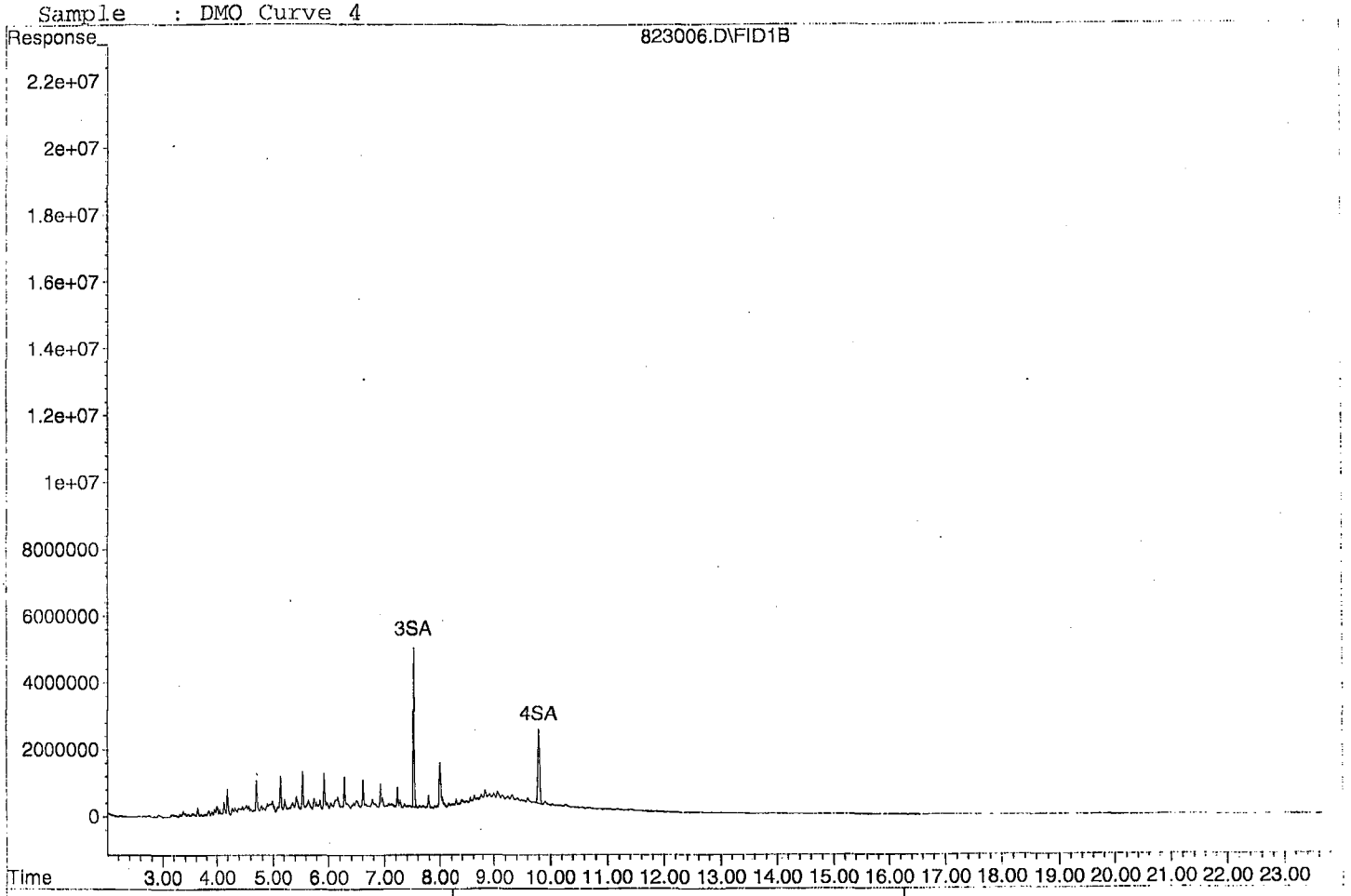
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

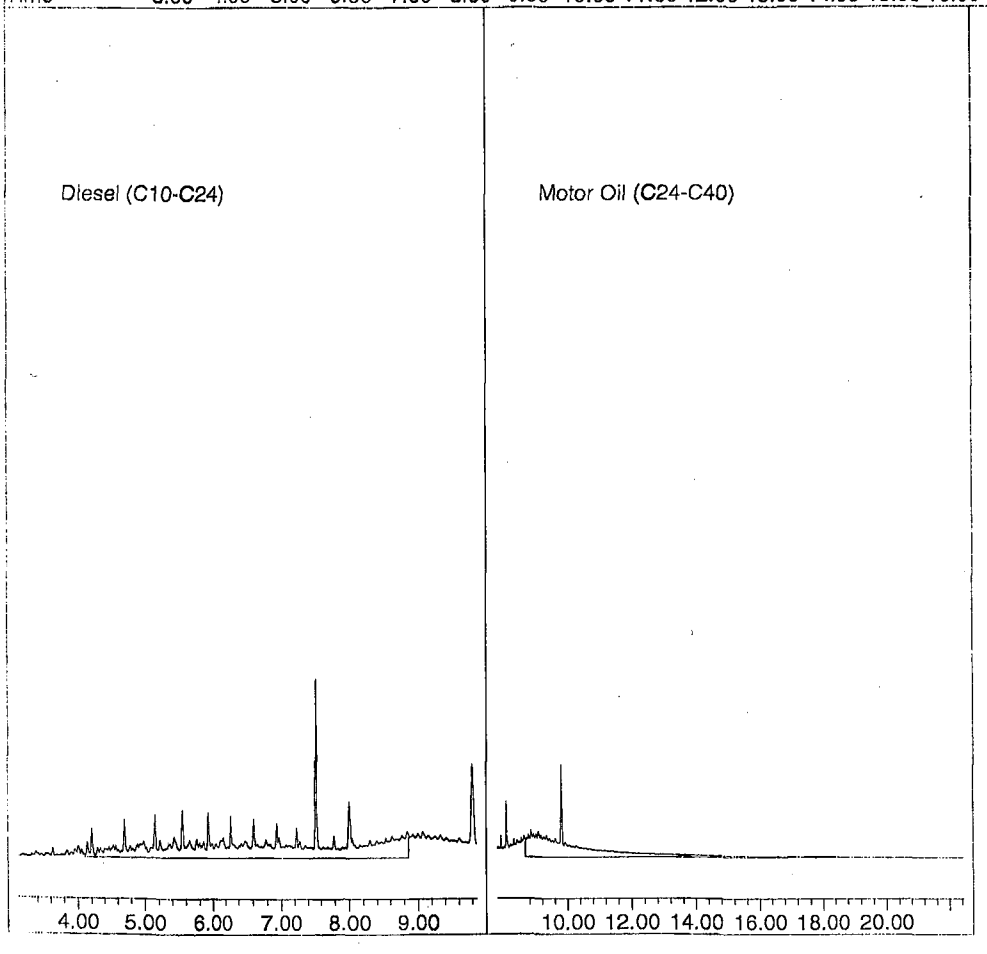
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 64604332 | 11.735 ppb |
| Surrogate Spike 30.000 | Recovery = | | 39.12% |
| 4) SA Octacosane(S) | 9.80 | 49583699 | 11.680 ppb |
| Surrogate Spike 30.000 | Recovery = | | 38.93% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1058907009 | 244.099 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 833119001 | 230.395 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210823\823006.D
Sample : DMO Curve 4



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823007.D Vial: 7
Acq On : 8-23-21 20:15:46 Operator: KA
Sample : DMO Curve 5 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

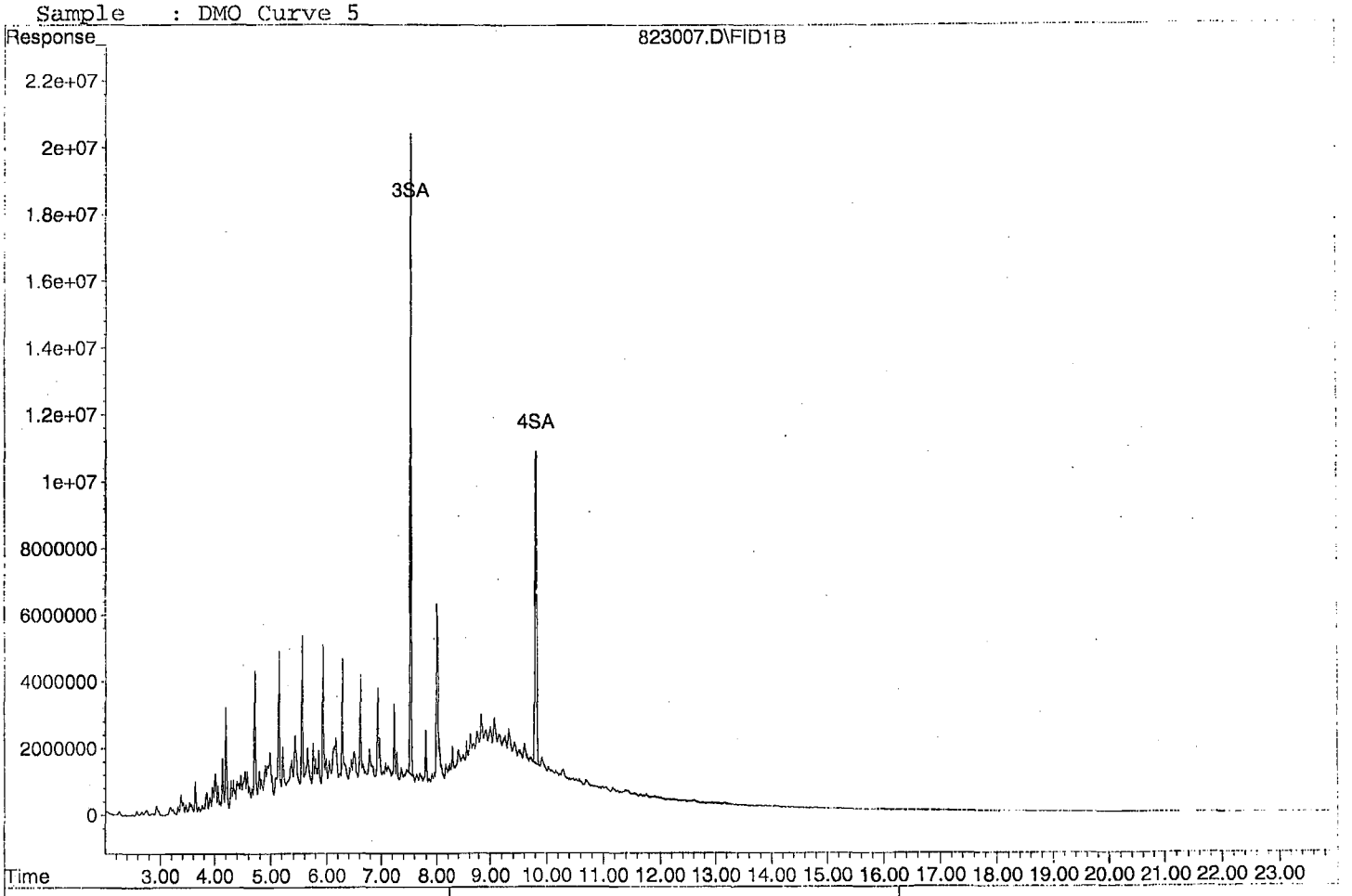
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

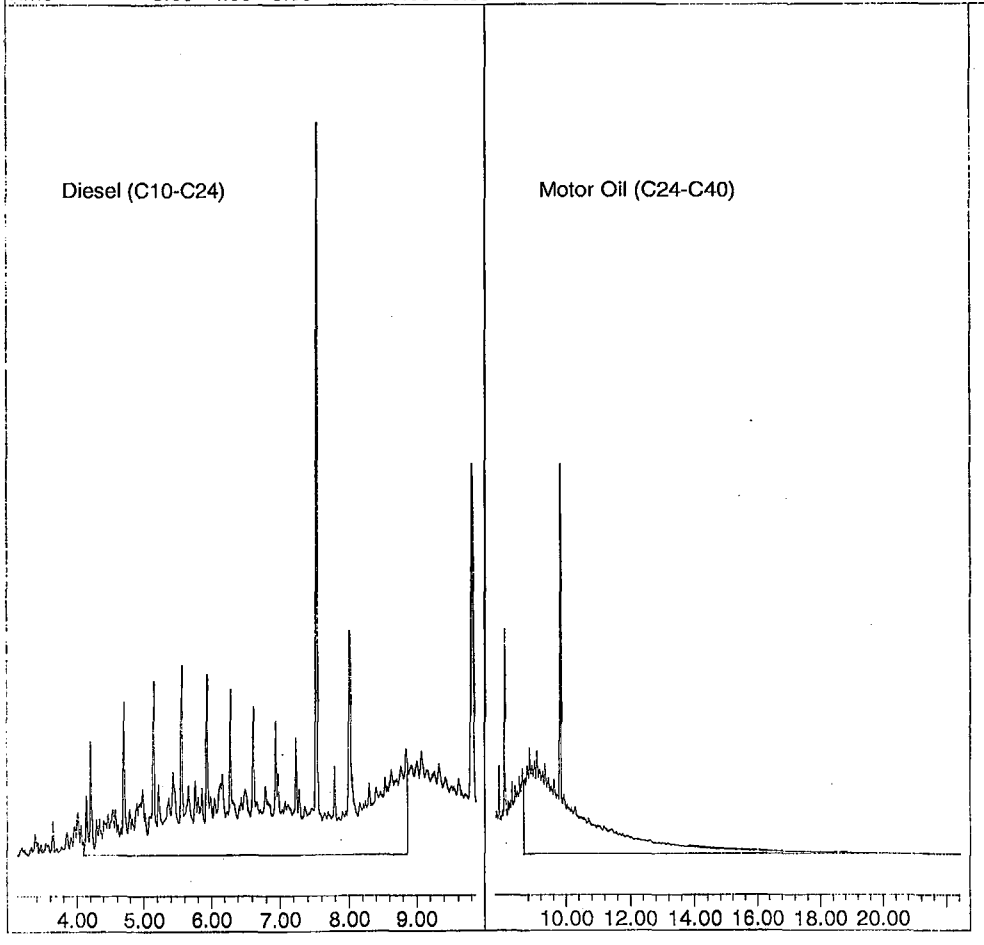
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 247623480 | 44.978 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 149.93% | |
| 4) SA Octacosane(S) | 9.81 | 193709477 | 45.631 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 152.10% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 4162477075 | 978.995 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 3240663961 | 896.190 | ppb |
| Target Compounds | | | | |

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

Data File: G:\APOLLO\DATA\210823\823007.D
Sample : DMO Curve 5



Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823008.D Vial: 8
Acq On : 8-23-21 20:44:20 Operator: KA
Sample : DMO Curve 6 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

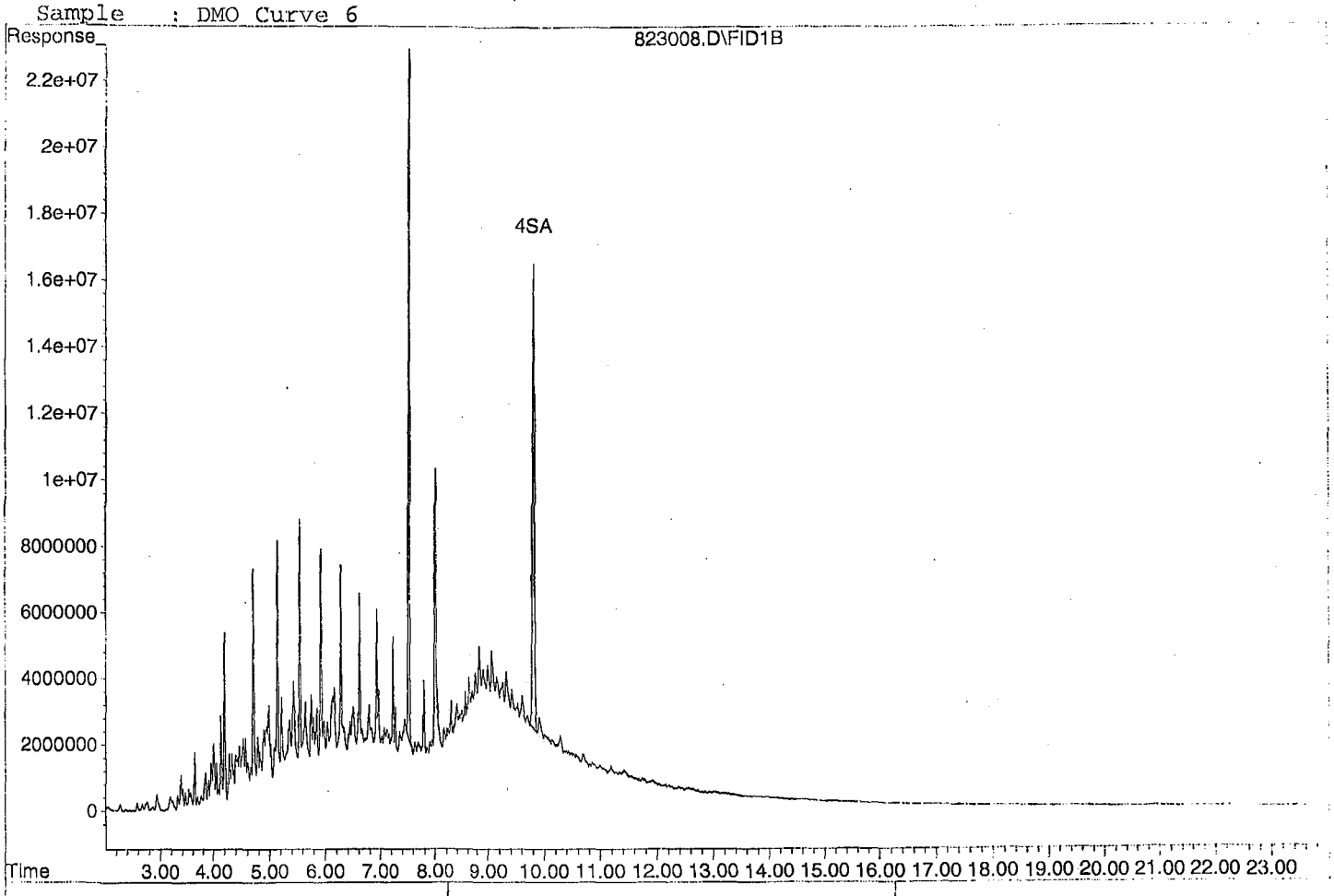
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

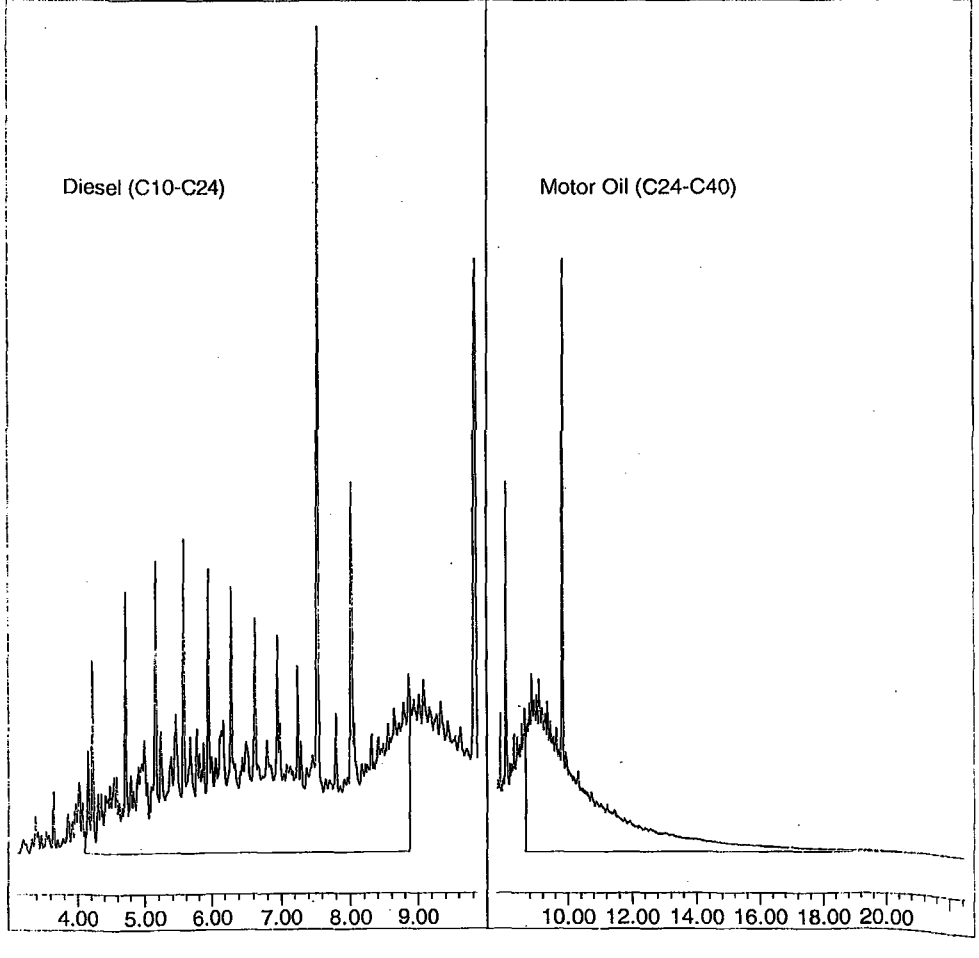
| Compound | R.T. | Response | Conc | Units |
|---|---|---|---|---|
| System Monitoring Compounds | | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 387380335 | 70.364 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 234.55% | |
| 4) SA Octacosane(S) | 9.82 | 325210308 | 76.608 | ppb |
| Surrogate Spike 30.000 | | Recovery = | 255.36% | |
| Target Compounds | | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 7048711833 | 1662.427 | ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 5415964502 | 1497.758 | ppb |
| Target Compounds | | | | |

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

Quantitation Report

Data File: G:\APOLLO\DATA\210823\823008.D
Sample : DMO Curve 6




823008.D DOC0823.M Tue Aug 24 09:15:47 2021

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823009.D Vial: 9
Acq On : 8-23-21 21:12:52 Operator: KA
Sample : DMO Curve 7 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

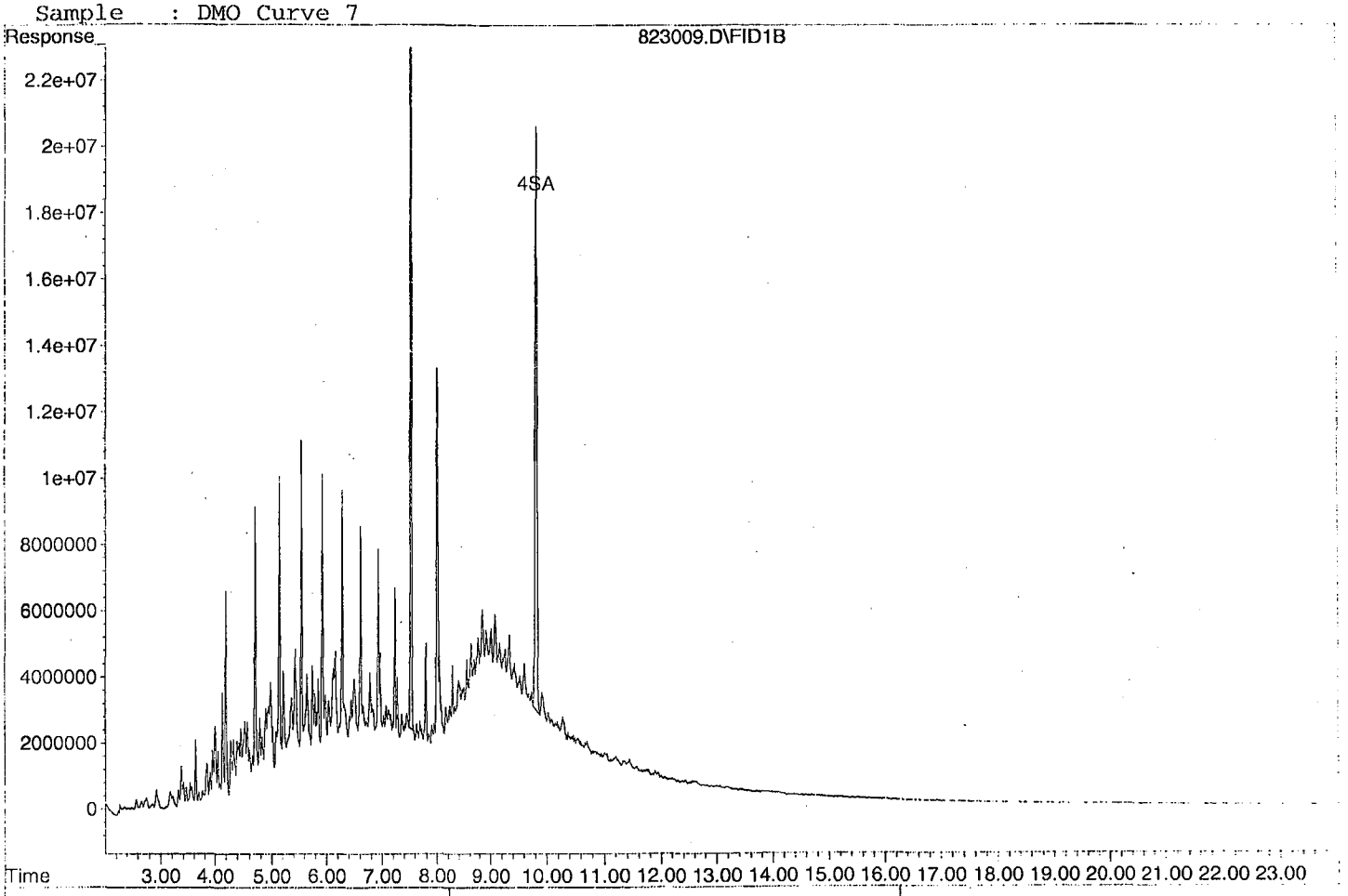
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

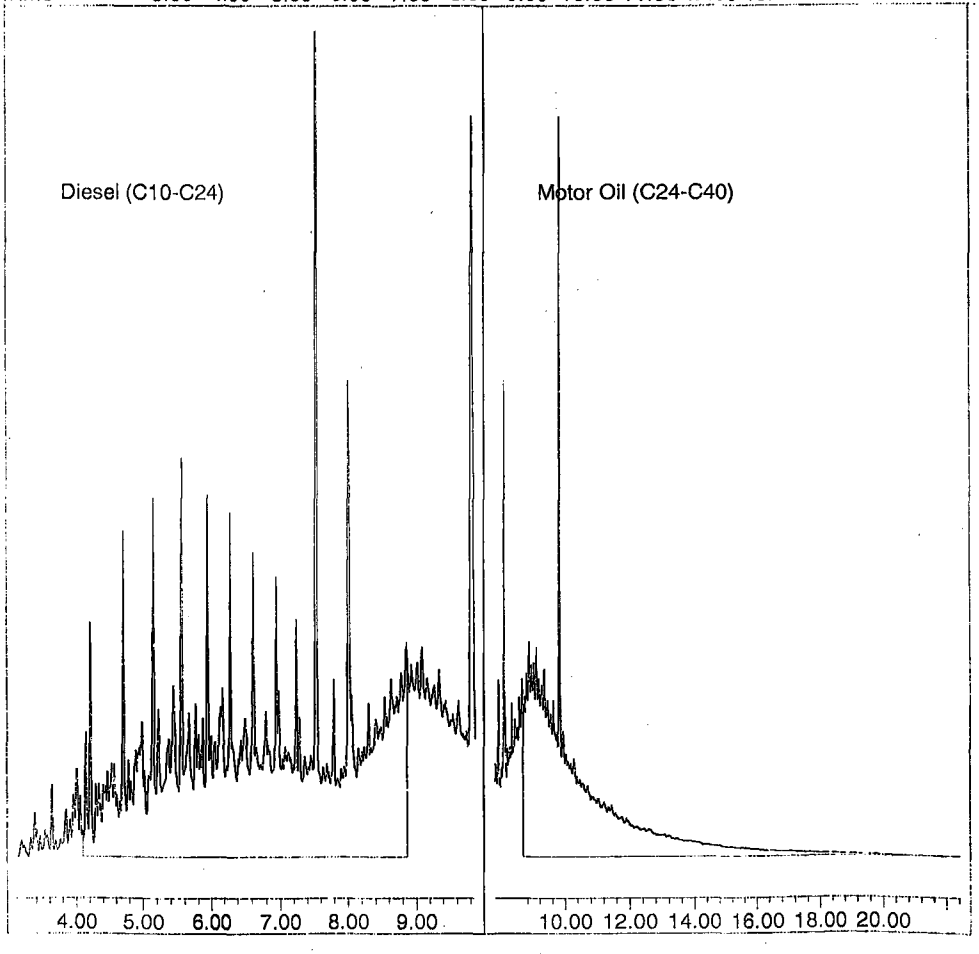
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.53 | 516572475 | 93.831 ppb |
| Surrogate Spike 30.000 | Recovery = | | 312.77% |
| 4) SA Octacosane(S) | 9.82 | 409363905 | 96.431 ppb |
| Surrogate Spike 30.000 | Recovery = | | 321.44% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 8589160086 | 2027.191 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 6629109744 | 1833.248 ppb |

Target Compounds

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

Data File: G:\APOLLO\DATA\210823\823009.D
Sample : DMO Curve 7



TPH Extractables
DOC0823

Form 7

# Second Source Calibration

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

SDG No:
Date Analyzed: 8/23/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 823010.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2402860 | 16 | HATML | 11 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808020 | 1847660 | 2.2 | HBTM | |
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| | | Average | | | 9.1 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210823\823010.D Vial: 10
Acq On : 8-23-21 21:41:26 Operator: KA
Sample : DMO Second Source Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 24 9:03 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 24 09:02:26 2021
Response via : Multiple Level Calibration

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

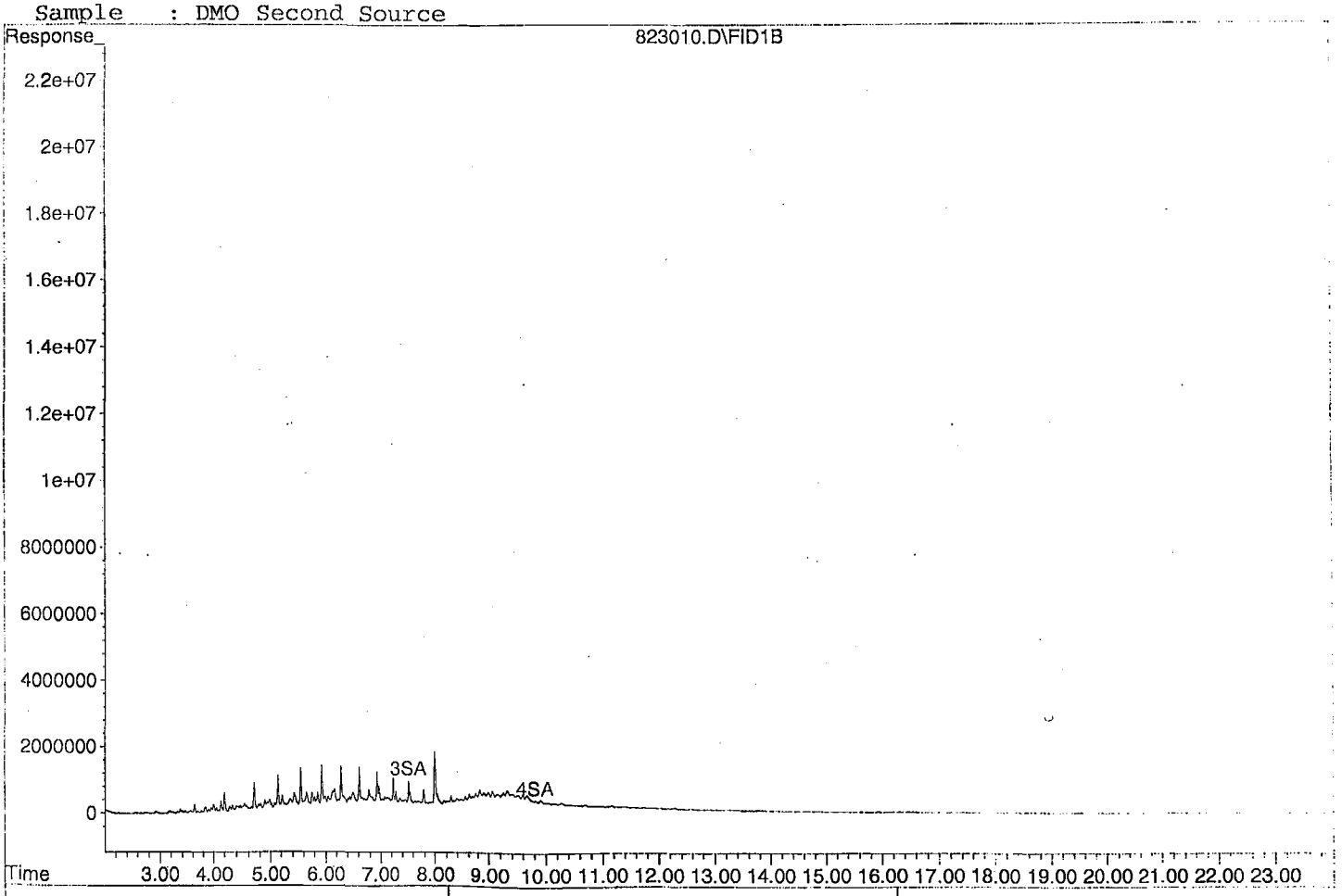
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 4634646 | 0.842 ppb |
| Surrogate Spike 30.000 | Recovery | = | 2.81% |
| 4) SA Octacosane(S) | 9.82 | 28821 | 0.007 ppb |
| Surrogate Spike 30.000 | Recovery | = | 0.02% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1201427982 | 277.847 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 923832014 | 255.481 ppb |

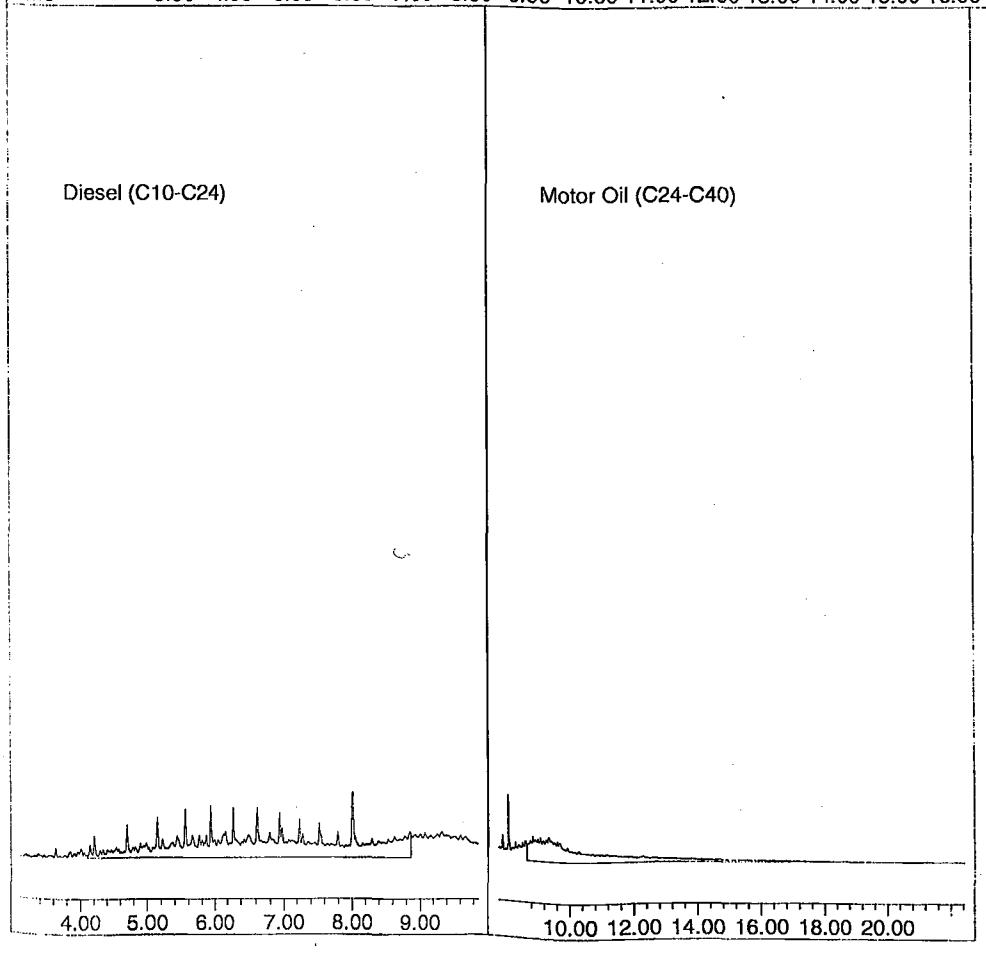
Target Compounds

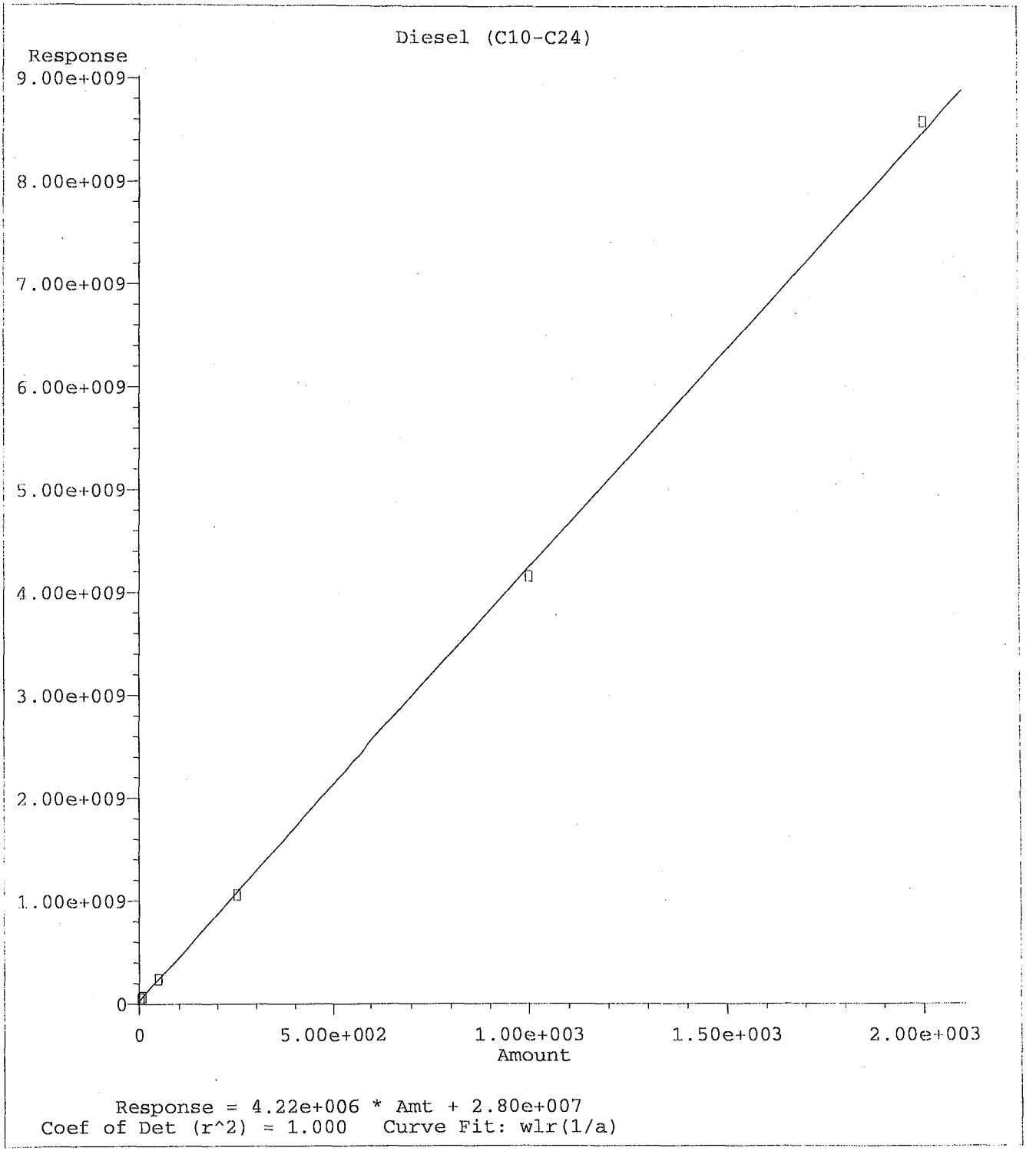
(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report

Data File: G:\APOLLO\DATA\210823\823010.D
Sample : DMO Second Source






Method Name: G:\APOLLO\DATA\210823\DOC0823.M
Calibration Table Last Updated: Tue Aug 24 09:02:26 2021

TPH Extractables
DOC0823

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/24/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824013.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2208000 | 23 | HATML | 1.9 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808560 | 1886010 | 4.3 | HBTM | |
| 3 | SA | Ortho-Terphenyl(S) | 2781050 | 2723540 | 2.1 | SA | |
| 4 | SA | Octacosane(S) | 2114990 | 2060260 | 2.6 | SA | |
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| | | Average | | | 8.0 | | |

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210824\824013.D Vial: 13
Acq On : 8-24-21 20:44:27 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 25 8:40 2021 Quant Results File: DOC0823.RES

Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

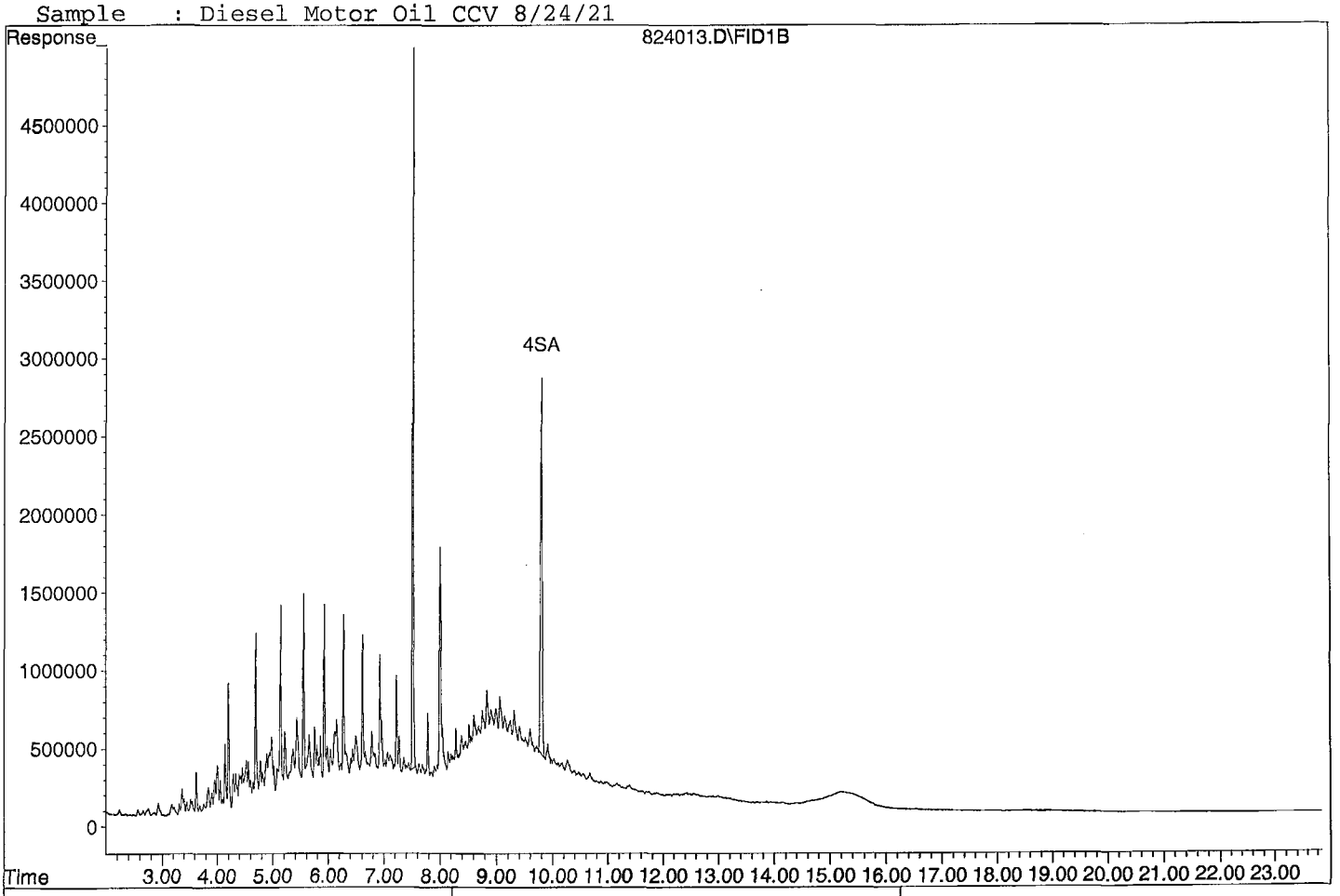
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

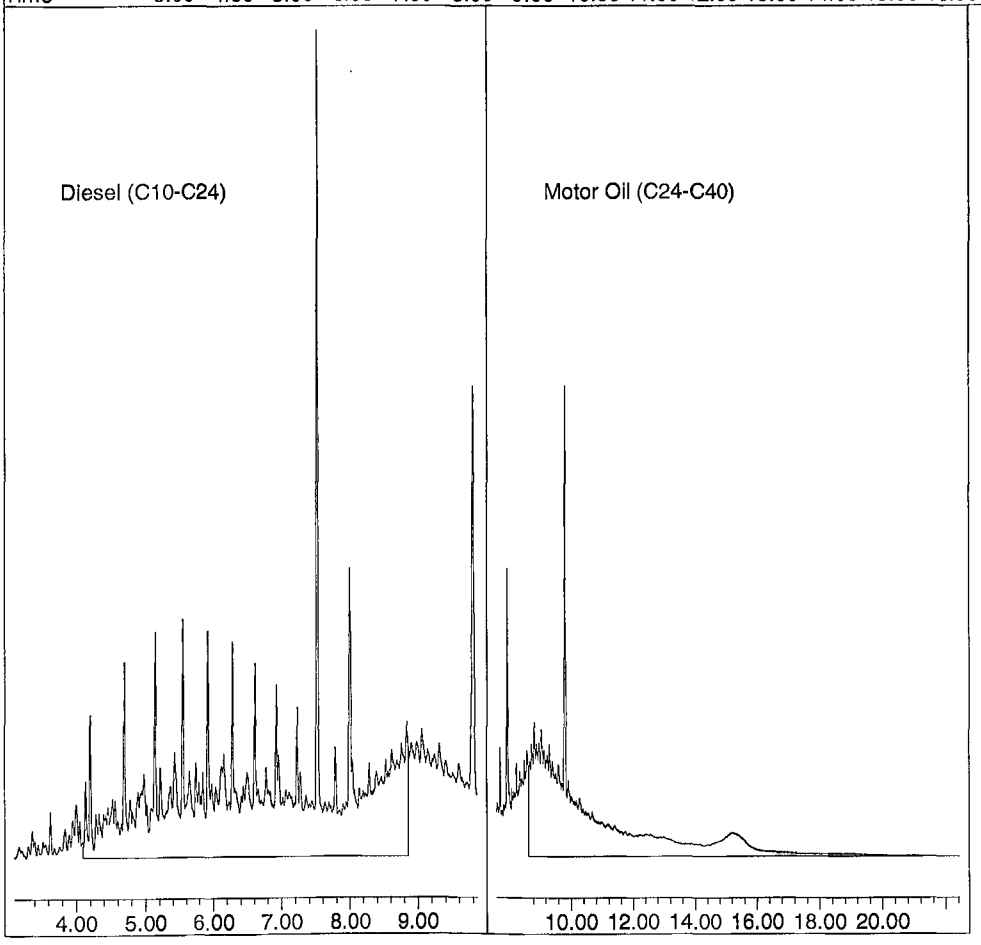
| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 68088599 | 12.242 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.81% |
| 4) SA Octacosane(S) | 9.80 | 51506526 | 12.177 ppb |
| Surrogate Spike 30.000 | | Recovery = | 40.59% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1103998838 | 254.777 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 943003841 | 260.705 ppb |
| Target Compounds | | | |

(f)=RT Delta > 1/2 Window

(m)=manual int.
824013.D DOC0823.M Fri Sep 03 17:43:39 2021

Data File: G:\APOLLO\DATA\210824\824013.D
Sample : Diesel Motor Oil CCV 8/24/21



TPH Extractables
DOC0823

Form 7

## Continuing Calibration

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

SDG No:
Date Analyzed: 8/25/2021
Instrument: Apollo
Initial Cal. Date: 8/23/2021
Data File: 824031.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | HATM | Diesel (C10-C24) | 2872160 | 2251390 | 22 | HATML | 4.0 |
| 2 | HBTM | Motor Oil (C24-C40) | 1808560 | 1720290 | 4.9 | HBTM | |
| 3 | SA | Ortho-Terphenyl(S) | 2781050 | 2870310 | 3.2 | SA | |
| 4 | SA | Octacosane(S) | 2114990 | 2112770 | 0.11 | SA | |
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| | | Average | | | 7.6 | | |

Quantitation Report (QT Reviewed)

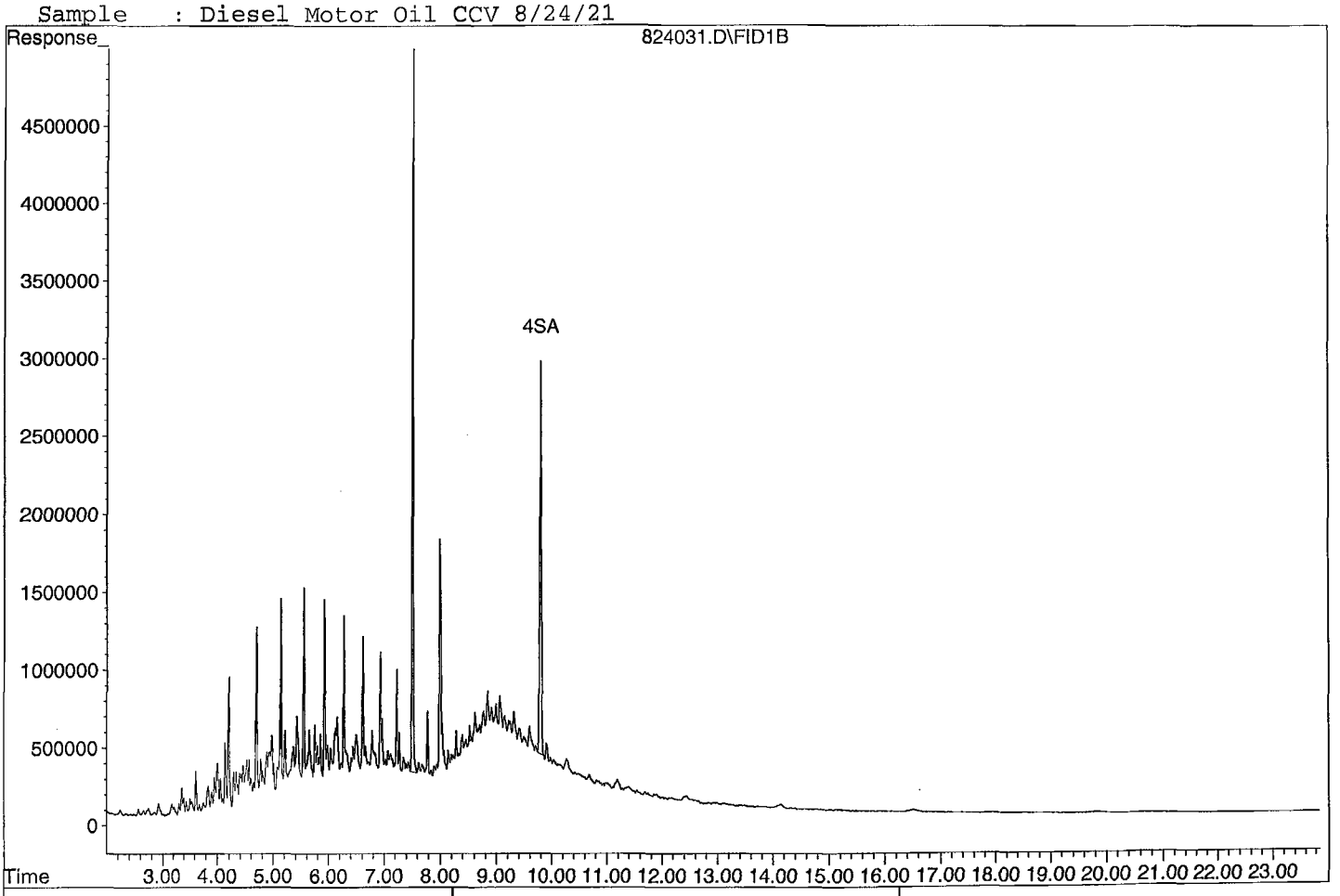
Data File : G:\APOLLO\DATA\210824\824031.D Vial: 31
Acq On : 8-25-21 5:19:13 Operator: KA
Sample : Diesel Motor Oil CCV 8/24/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 25 8:43 2021 Quant Results File: DOC0823.RES

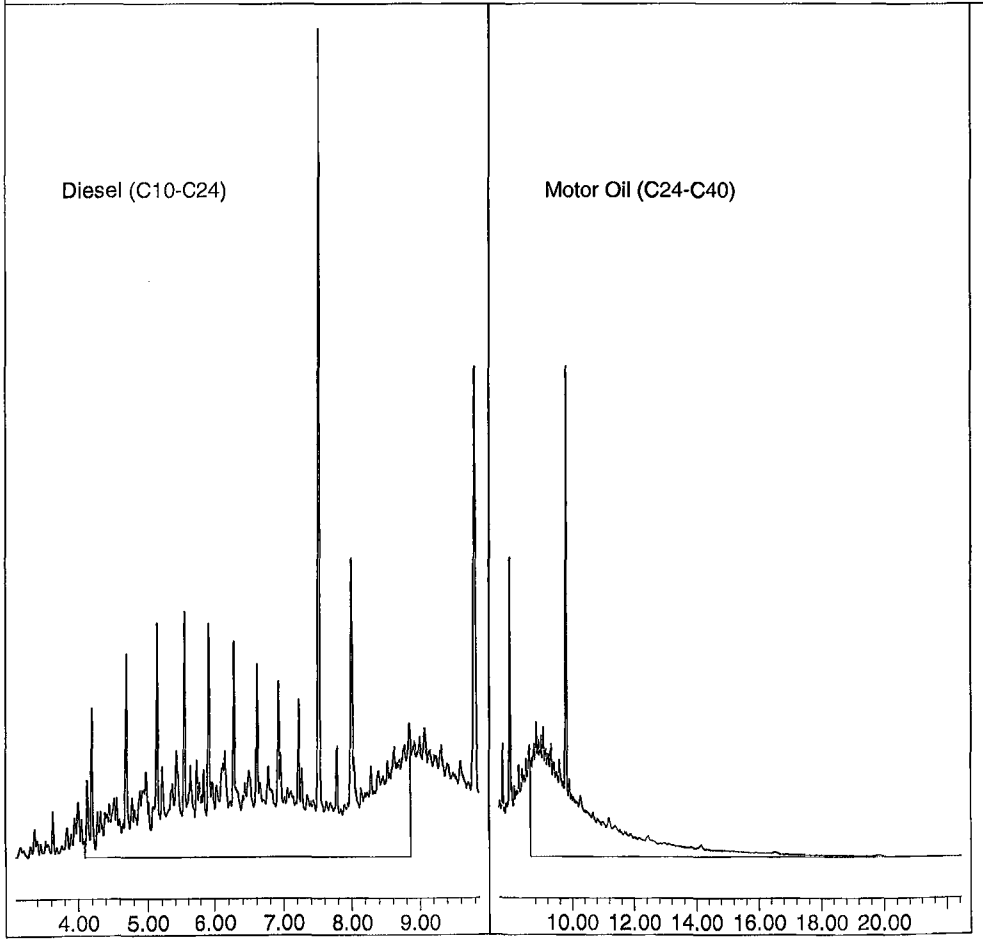
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

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 | 71757865 | 12.901 ppb |
| Surrogate Spike 30.000 | | Recovery = | 43.00% |
| 4) SA Octacosane(S) | 9.79 | 52819242 | 12.487 ppb |
| Surrogate Spike 30.000 | | Recovery = | 41.62% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 1125697220 | 259.915 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 860143811 | 237.797 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824031.D
Sample : Diesel Motor Oil CCV 8/24/21



# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824020.D Vial: 20
Acq On : 8-25-21 0:04:40 Operator: KA
Sample : BA37731W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

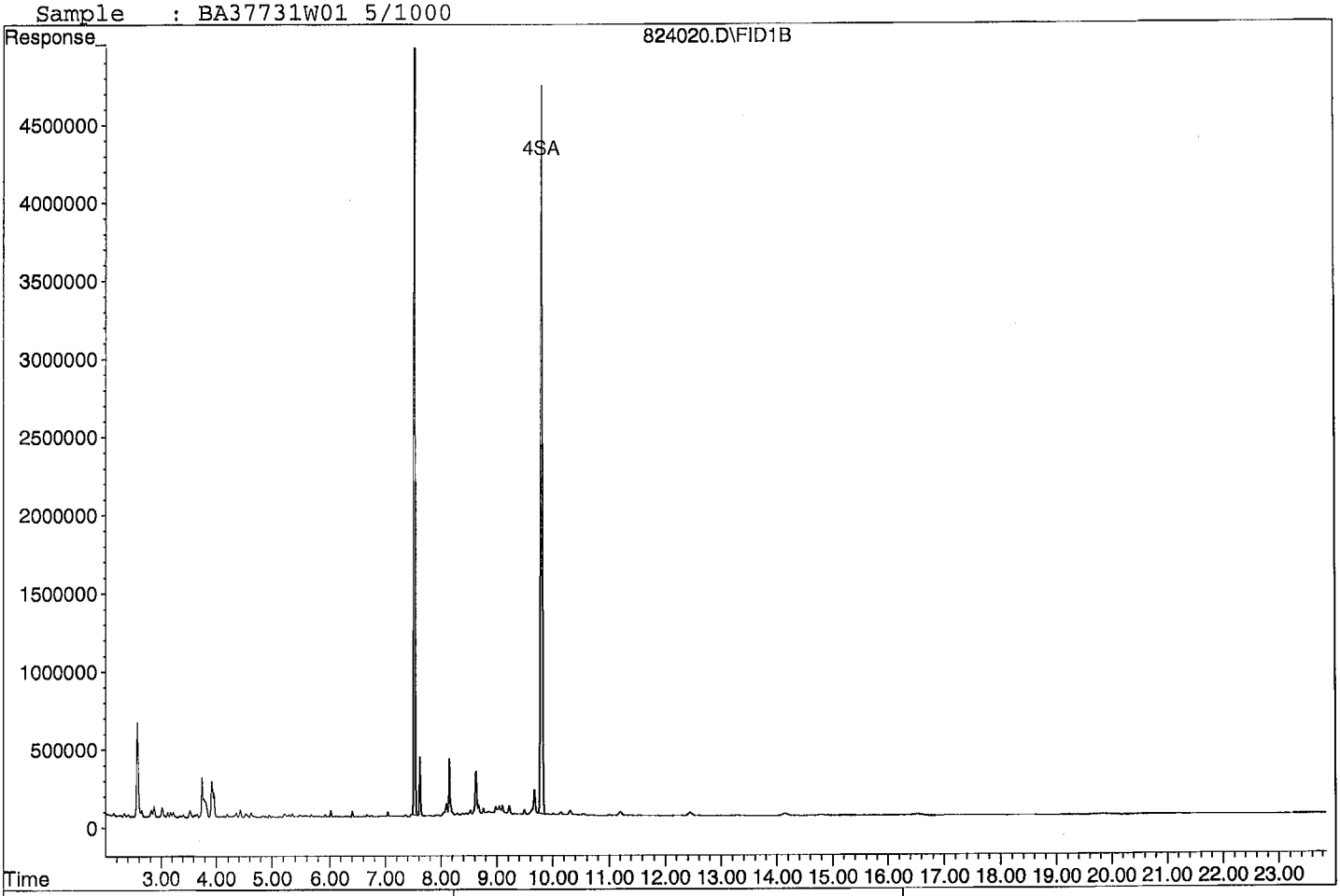
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

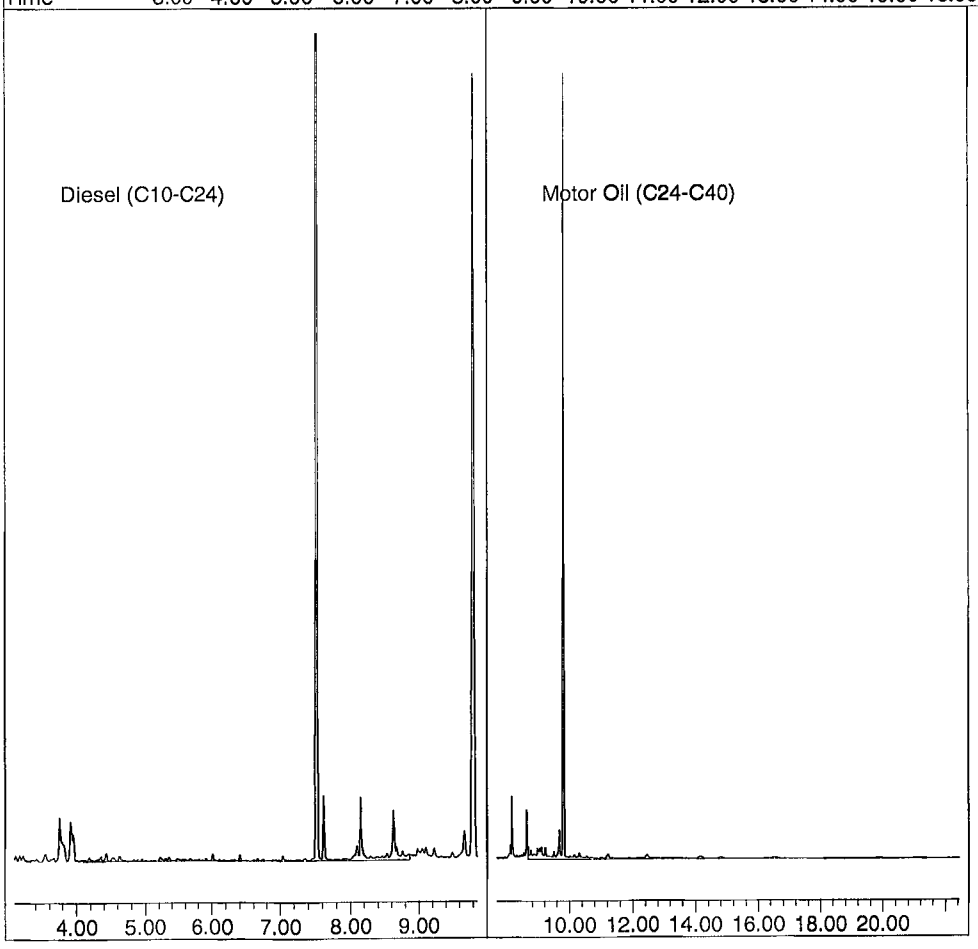
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 128878836 | 115.855 ppb |
| Surrogate Spike 150.000 | | Recovery = | 77.24% |
| 4) SA Octacosane(S) | 9.80 | 96490917 | 114.056 ppb |
| Surrogate Spike 150.000 | | Recovery = | 76.04% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 46676529 | 22.065 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 59604113 | 82.391 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210824\824020.D
Sample : BA37731W01 5/1000



Quantitation Report (QT Reviewed)

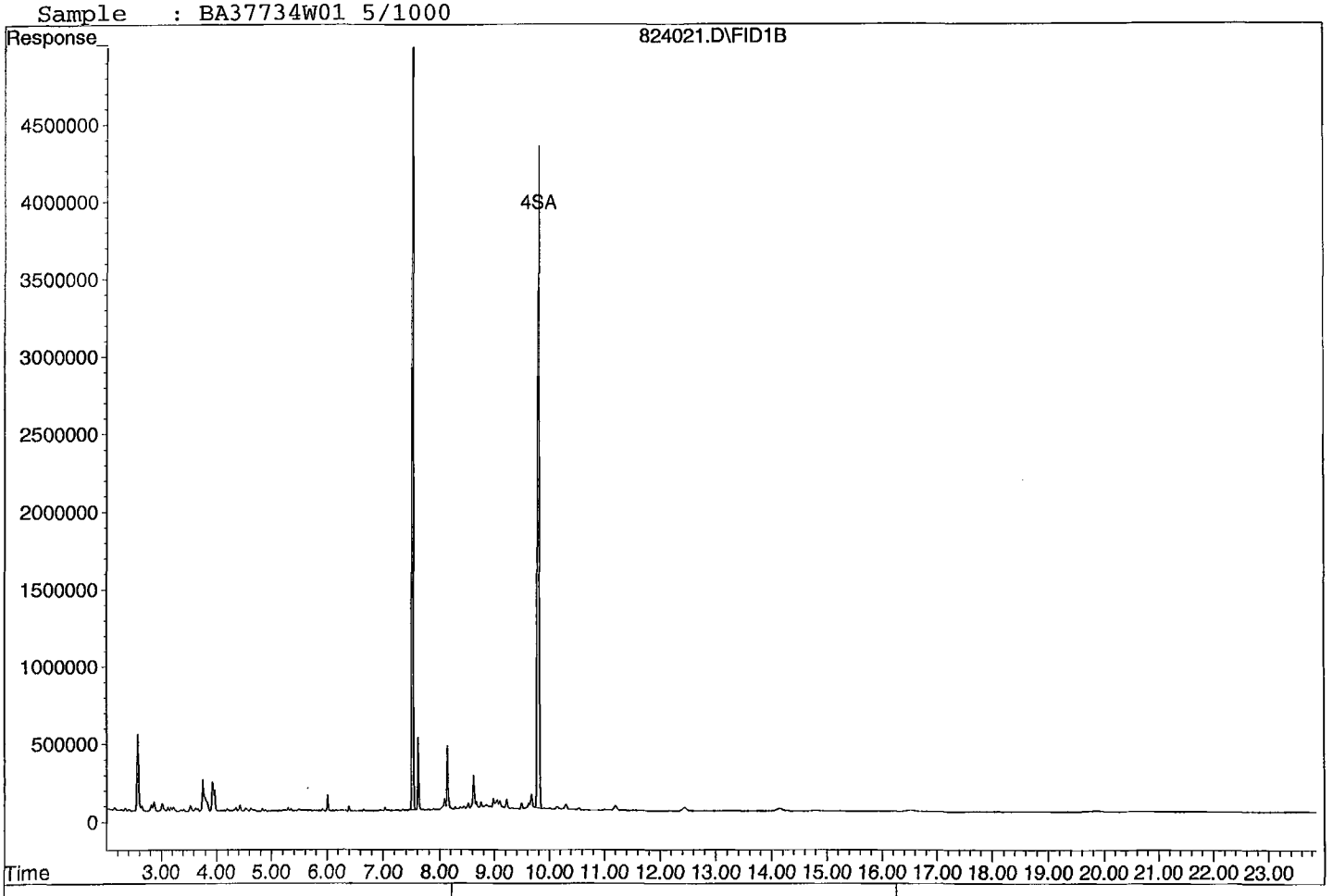
Data File : G:\APOLLO\DATA\210824\824021.D Vial: 21
Acq On : 8-25-21 0:33:12 Operator: KA
Sample : BA37734W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

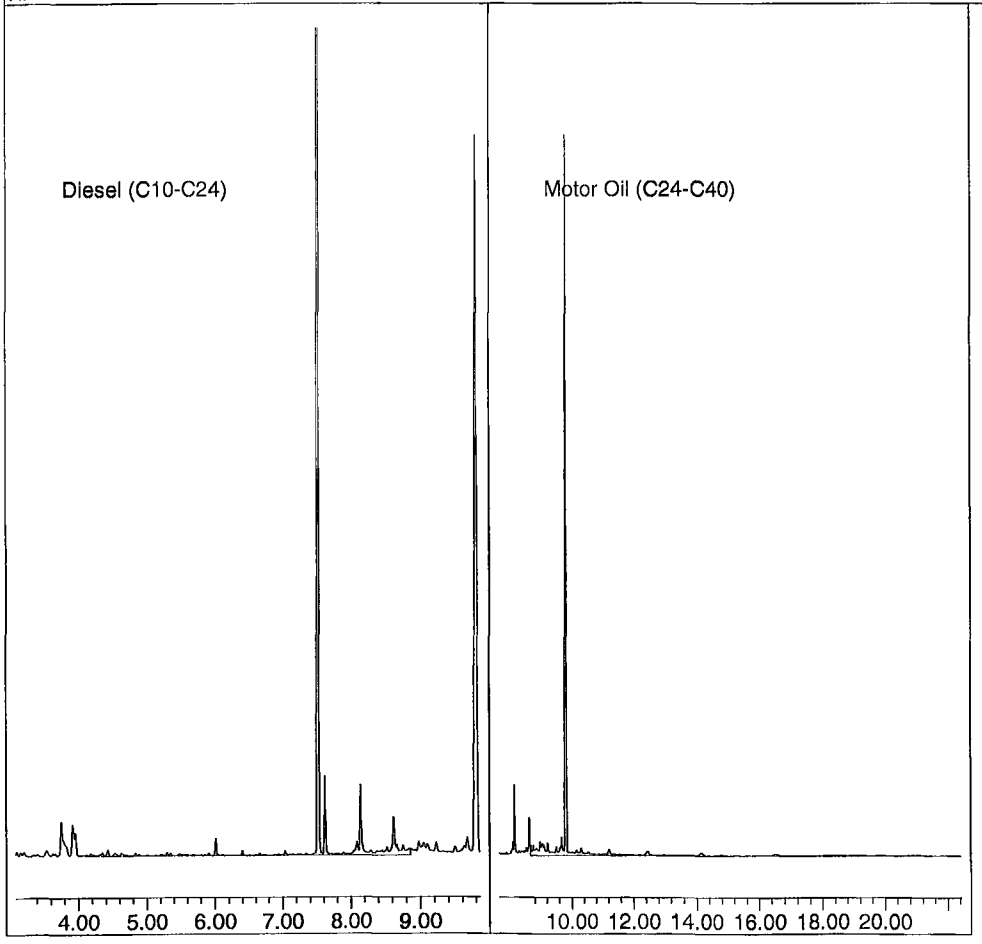
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 123545595 | 111.060 ppb |
| Surrogate Spike 150.000 | | Recovery = | 74.04% |
| 4) SA Octacosane(S) | 9.80 | 94289699 | 111.454 ppb |
| Surrogate Spike 150.000 | | Recovery = | 74.30% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 44704584 | 19.730 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 60463446 | 83.579 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824021.D
Sample : BA37734W01 5/1000



Quantitation Report (QT Reviewed)

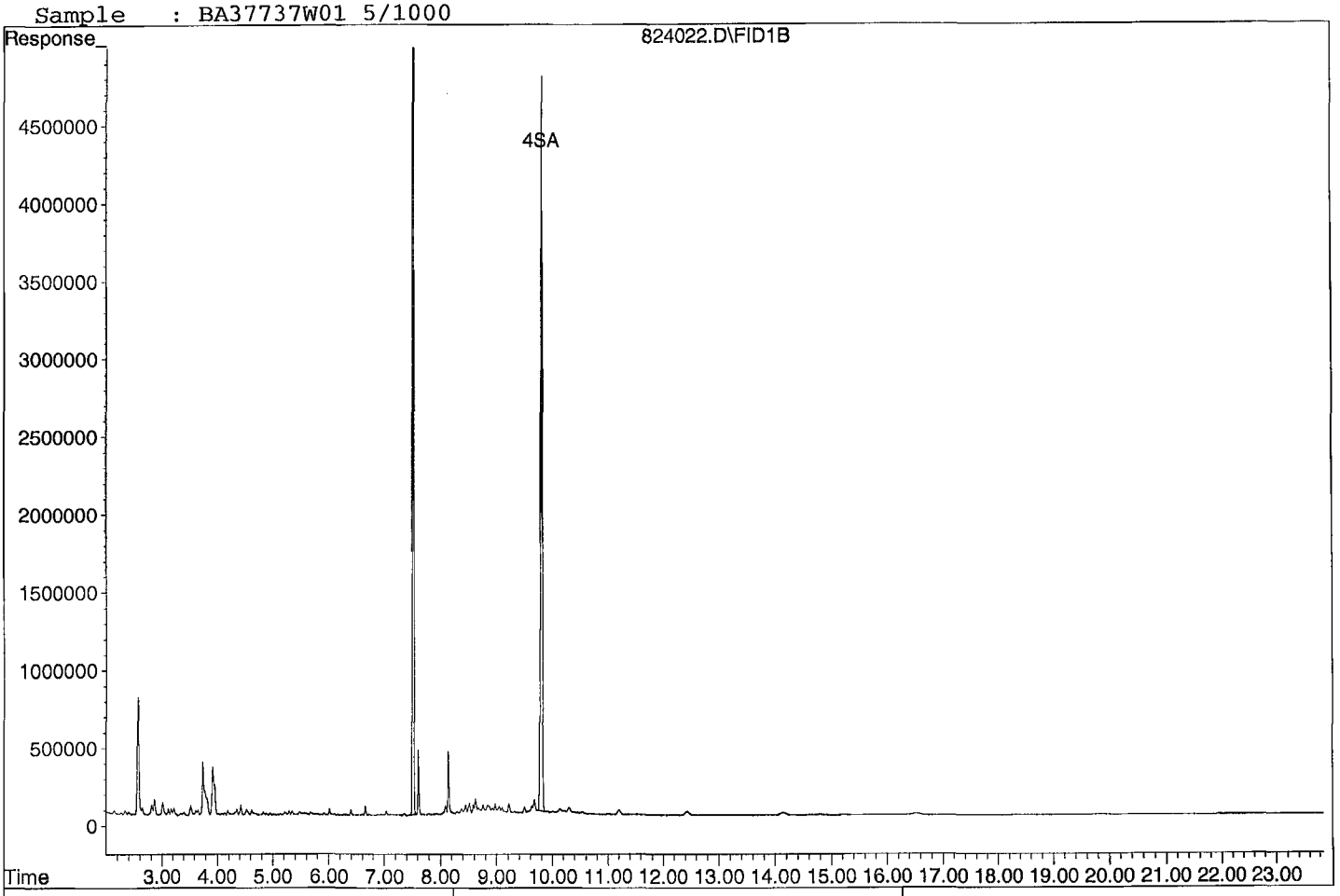
Data File : G:\APOLLO\DATA\210824\824022.D Vial: 22
Acq On : 8-25-21 1:01:50 Operator: KA
Sample : BA37737W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

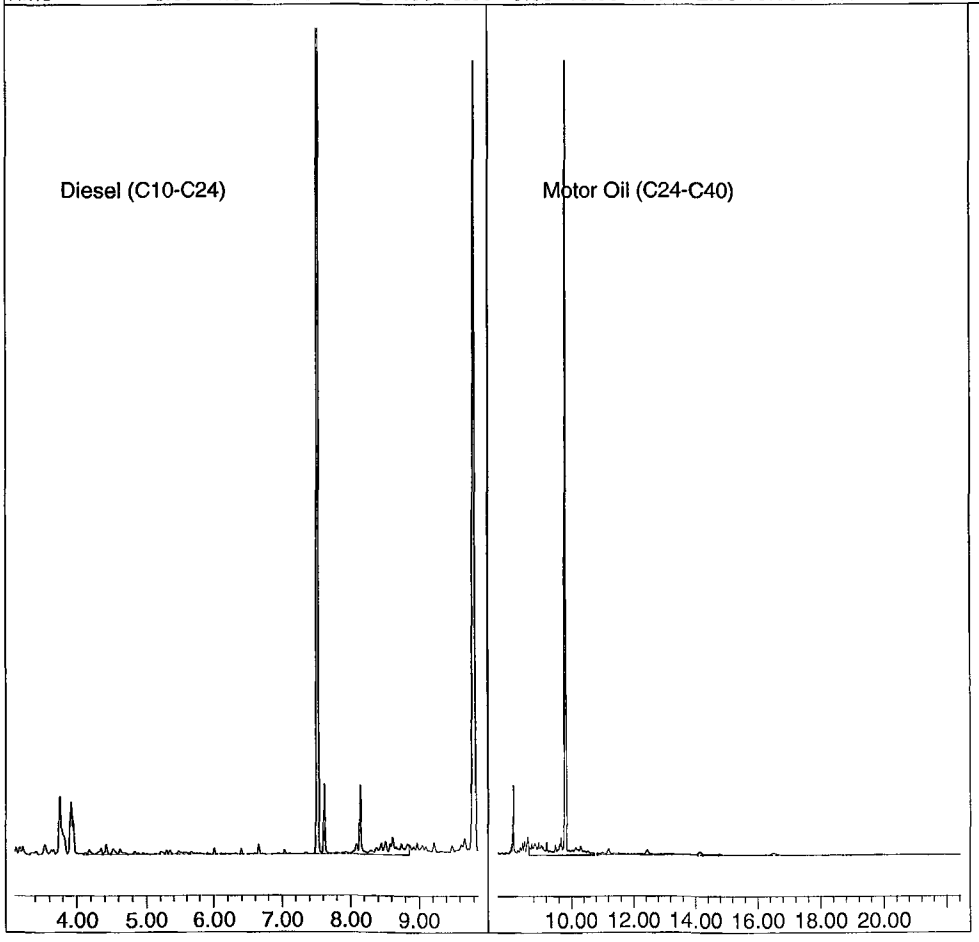
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 129685703 | 116.580 ppb |
| Surrogate Spike 150.000 | | Recovery = | 77.72% |
| 4) SA Octacosane(S) | 9.80 | 96607183 | 114.193 ppb |
| Surrogate Spike 150.000 | | Recovery = | 76.13% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 46324204 | 21.648 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 70064005 | 96.850 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824022.D
Sample : BA37737W01 5/1000



Quantitation Report (QT Reviewed)

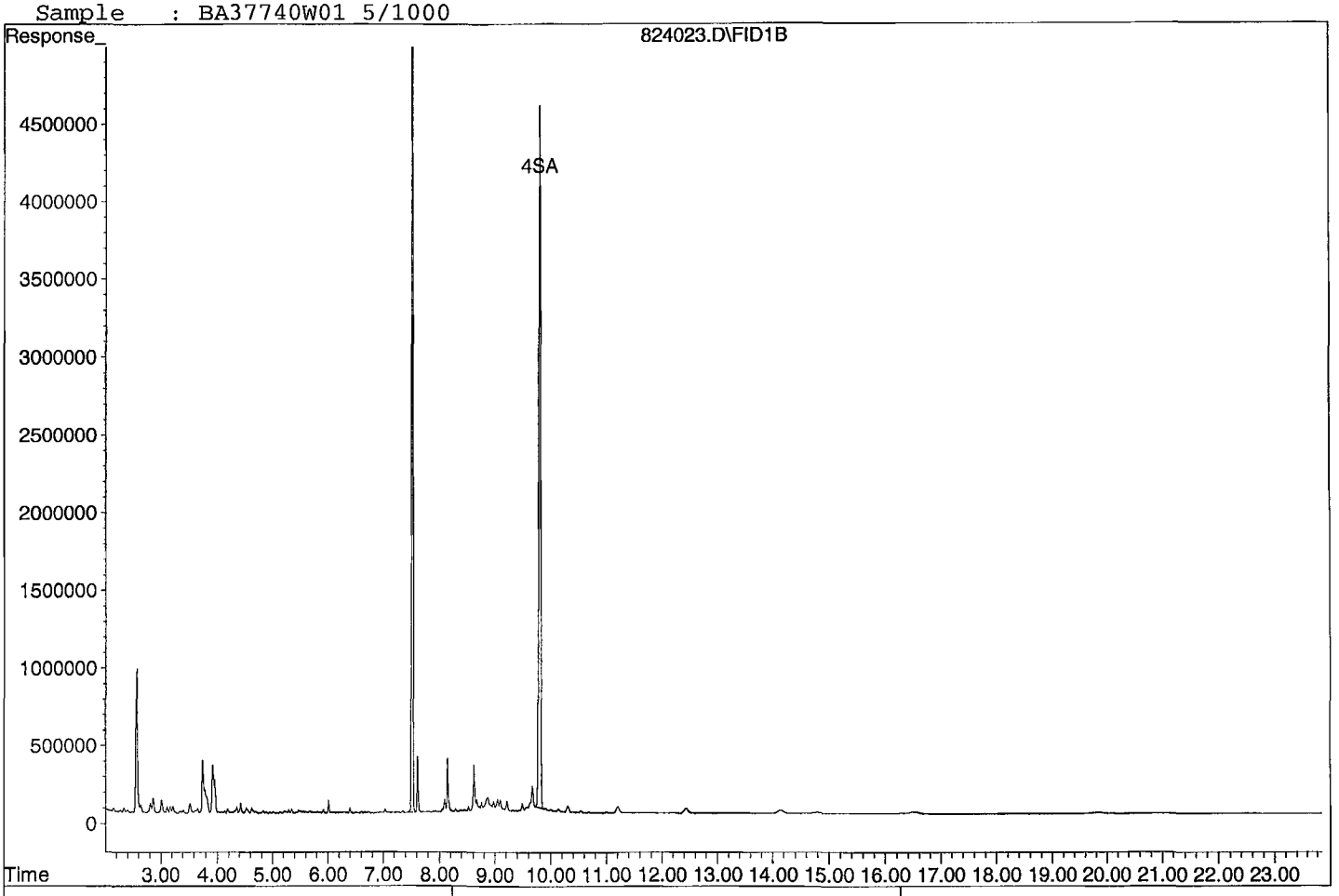
Data File : G:\APOLLO\DATA\210824\824023.D Vial: 23
Acq On : 8-25-21 1:30:29 Operator: KA
Sample : BA37740W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

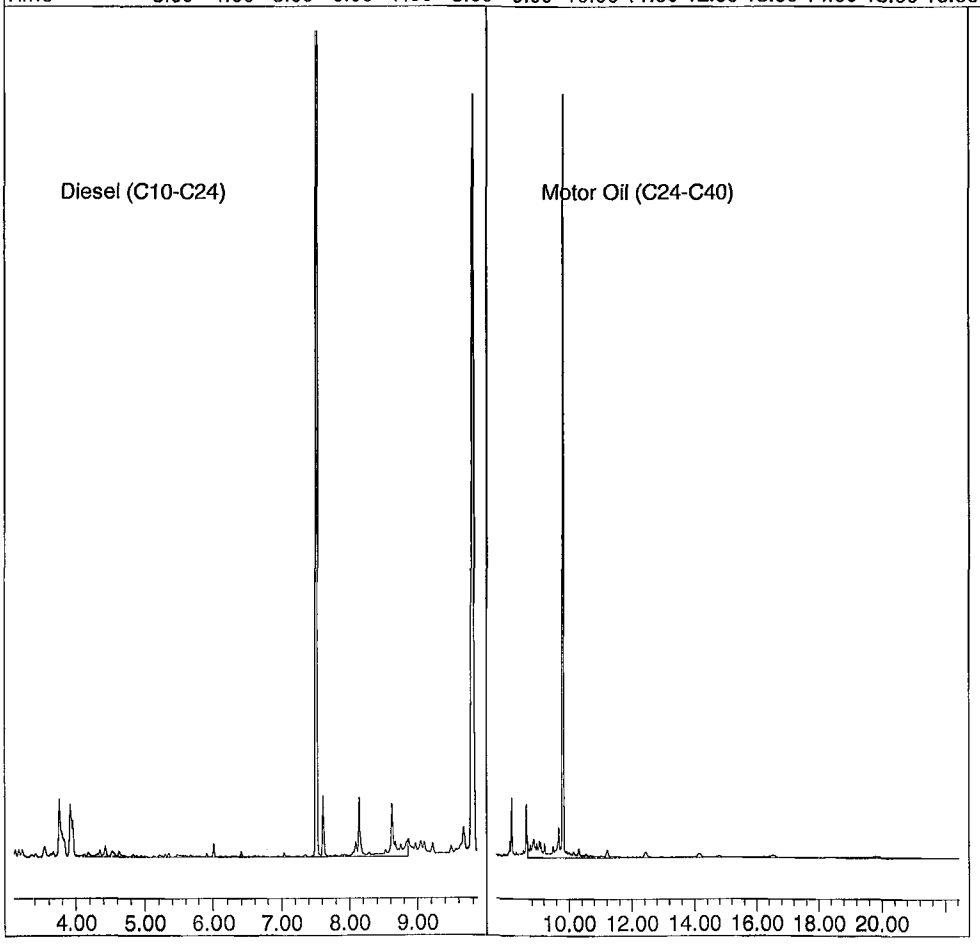
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

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

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 131489633 | 118.202 ppb |
| Surrogate Spike 150.000 | | Recovery = | 78.80% |
| 4) SA Octacosane(S) | 9.80 | 103027903 | 121.783 ppb |
| Surrogate Spike 150.000 | | Recovery = | 81.19% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 47190520 | 22.673 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 76547548 | 105.813 ppb |
| Target Compounds | | | |

Data File: G:\APOLLO\DATA\210824\824023.D
Sample : BA37740W01 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824017.D Vial: 17
Acq On : 8-24-21 22:38:56 Operator: KA
Sample : 210817A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 2 15:33 2021 Quant Results File: DOC0823.RES

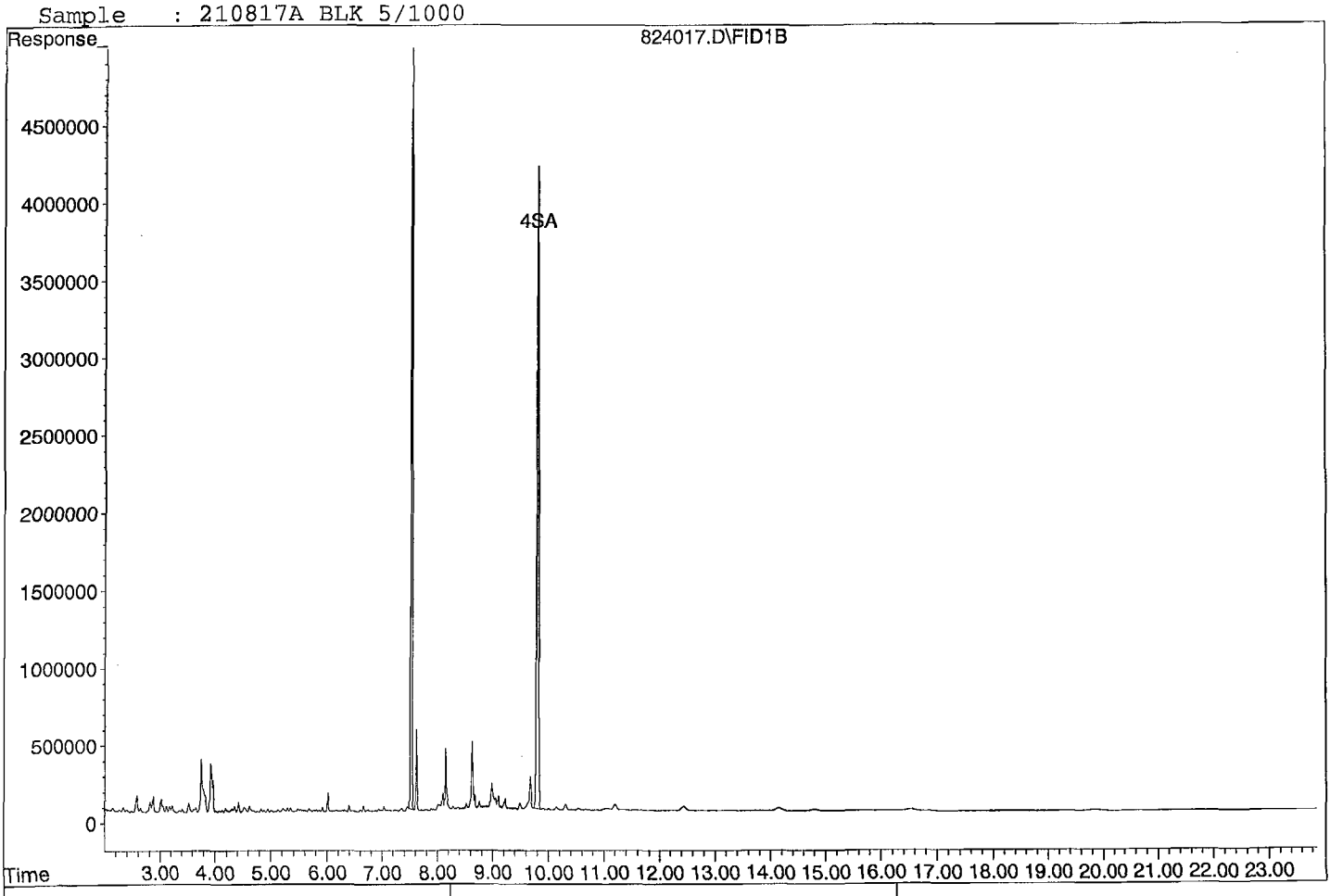
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

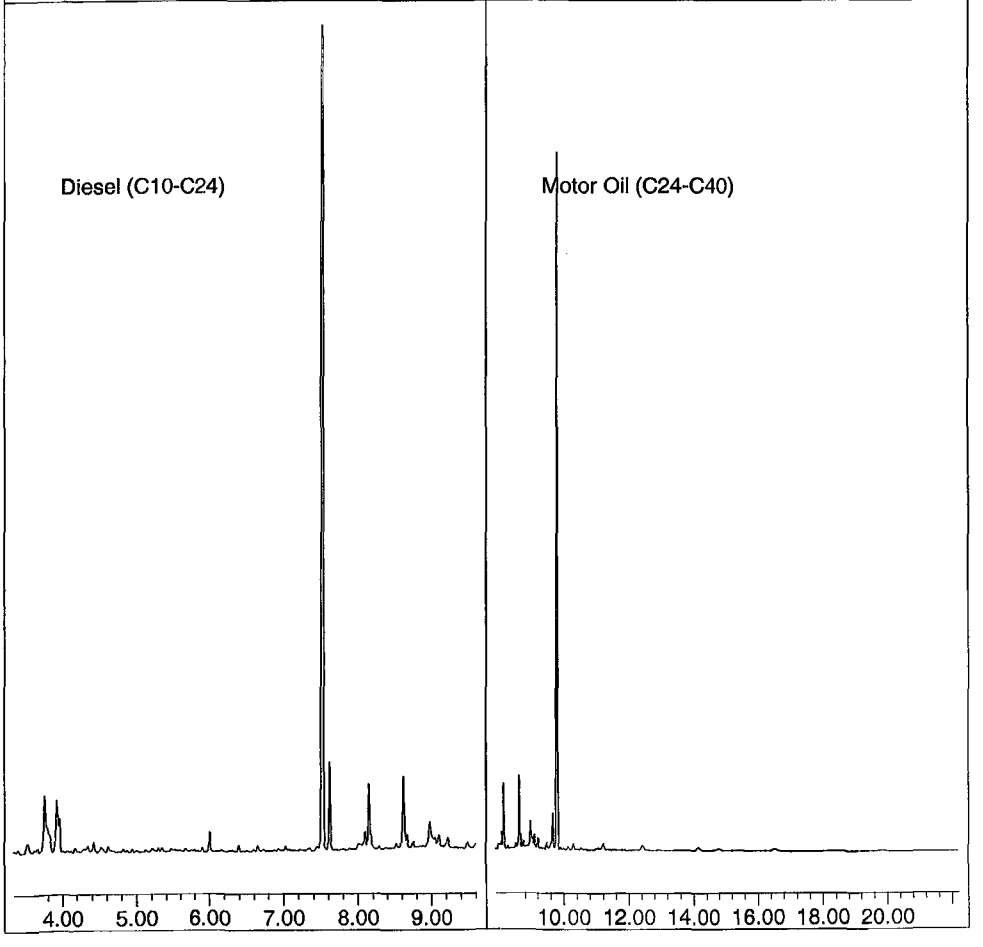
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 125817606 | 113.103 ppb |
| Surrogate Spike 150.000 | | Recovery = | 75.40% |
| 4) SA Octacosane(S) | 9.80 | 88853549 | 105.028 ppb |
| Surrogate Spike 150.000 | | Recovery = | 70.02% |
| Target Compounds | | | |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 0.00 | 0 | N.D. ppb |
| 2) HBTM Motor Oil (C24-C40) | 0.00 | 0 | N.D. ppb |

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

Data File: G:\APOLLO\DATA\210824\824017.D
Sample : 210817A BLK 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824018.D Vial: 18
Acq On : 8-24-21 23:07:30 Operator: KA
Sample : 210817A LCS-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

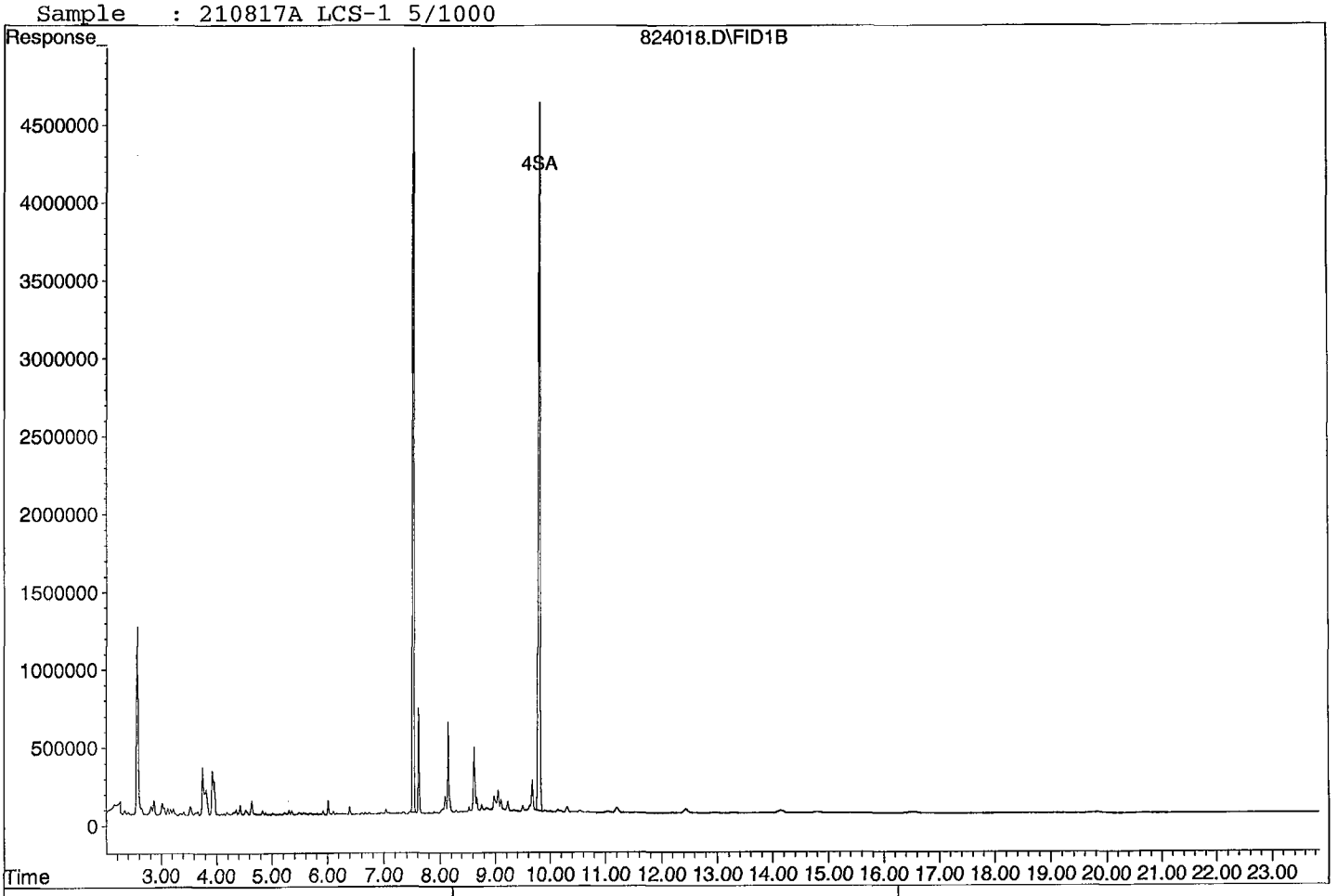
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

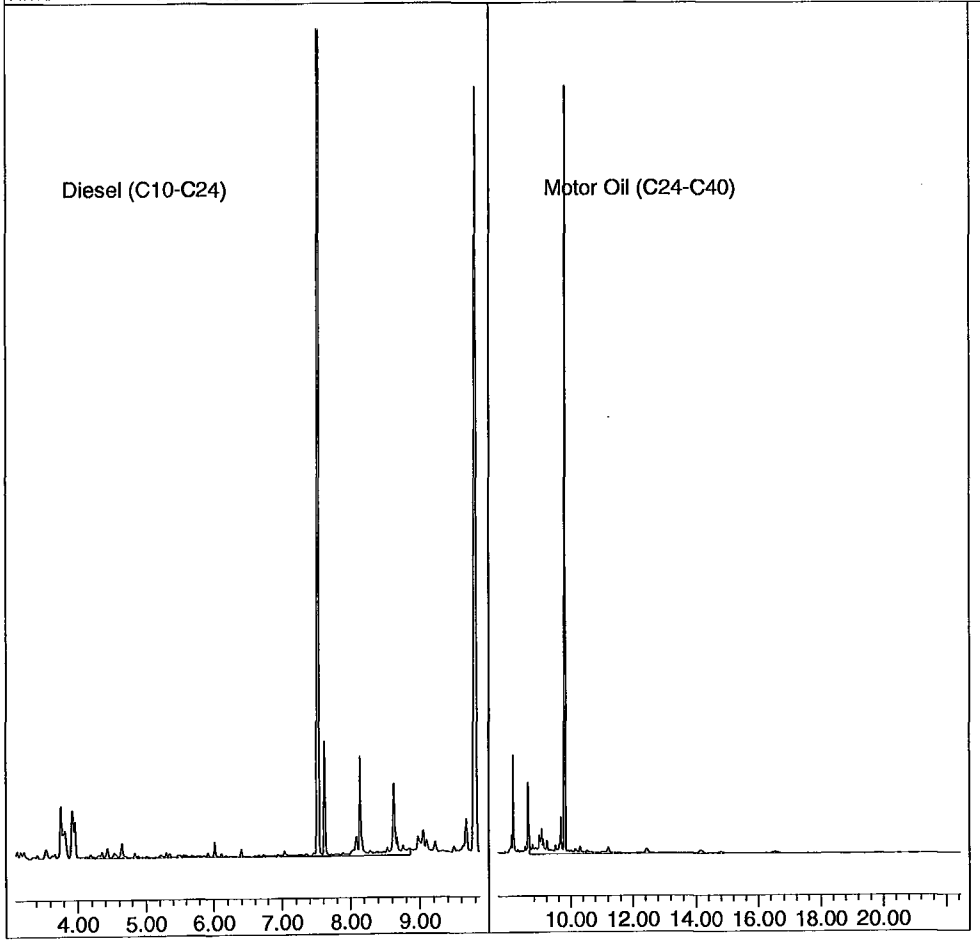
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 130321968 | 117.152 ppb |
| Surrogate Spike 150.000 | | Recovery = | 78.10% |
| 4) SA Octacosane(S) | 9.80 | 96449549 | 114.007 ppb |
| Surrogate Spike 150.000 | | Recovery = | 76.00% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 63363625 | 41.821 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 69731286 | 96.390 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210824\824018.D
Sample : 210817A LCS-1 5/1000



Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210824\824019.D Vial: 19
Acq On : 8-24-21 23:36:06 Operator: KA
Sample : 210817A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 25 8:47 2021 Quant Results File: DOC0823.RES

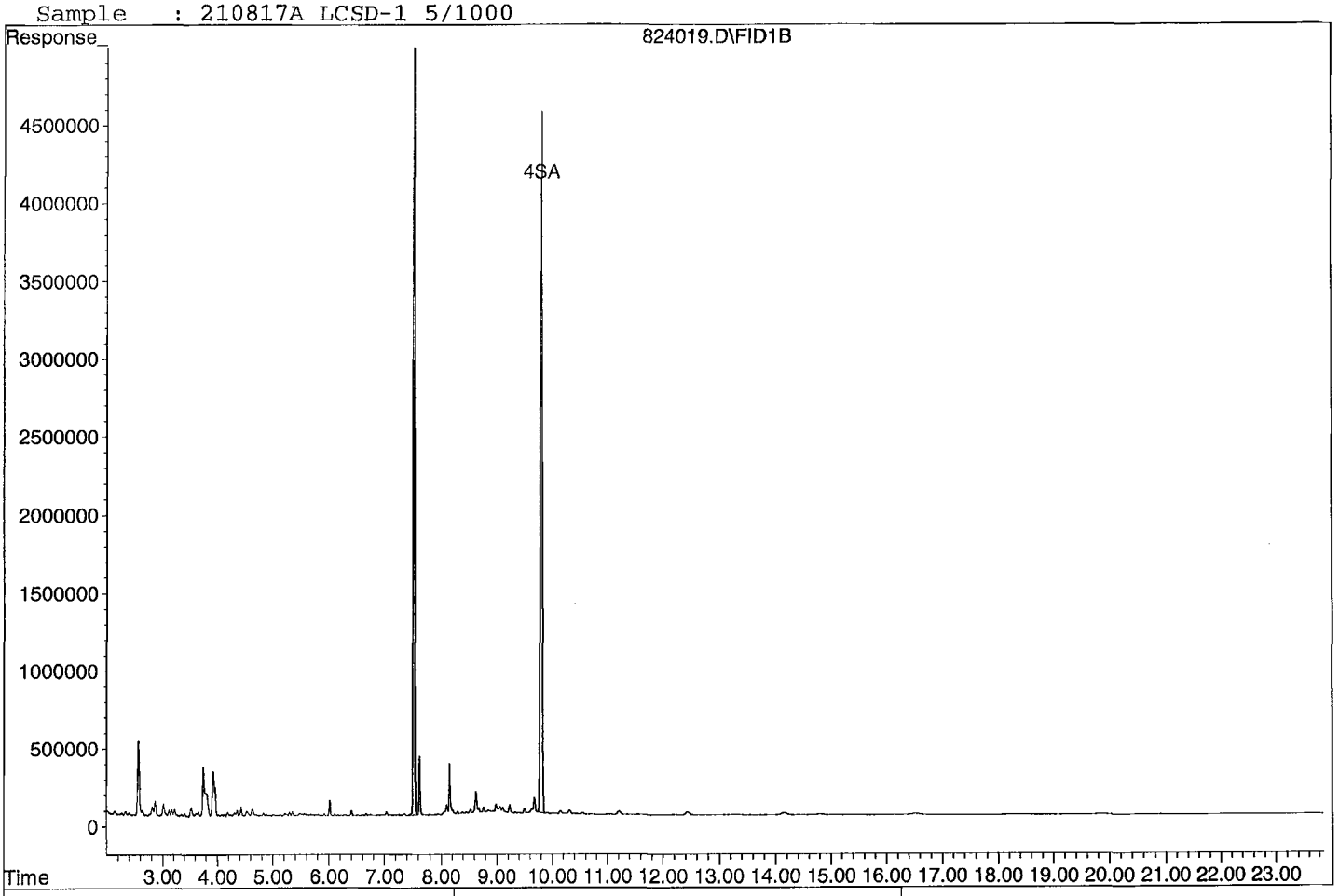
Method : G:\APOLLO\DATA\210823\DOC0823.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Thu Sep 02 15:20:00 2021
Response via : Multiple Level Calibration

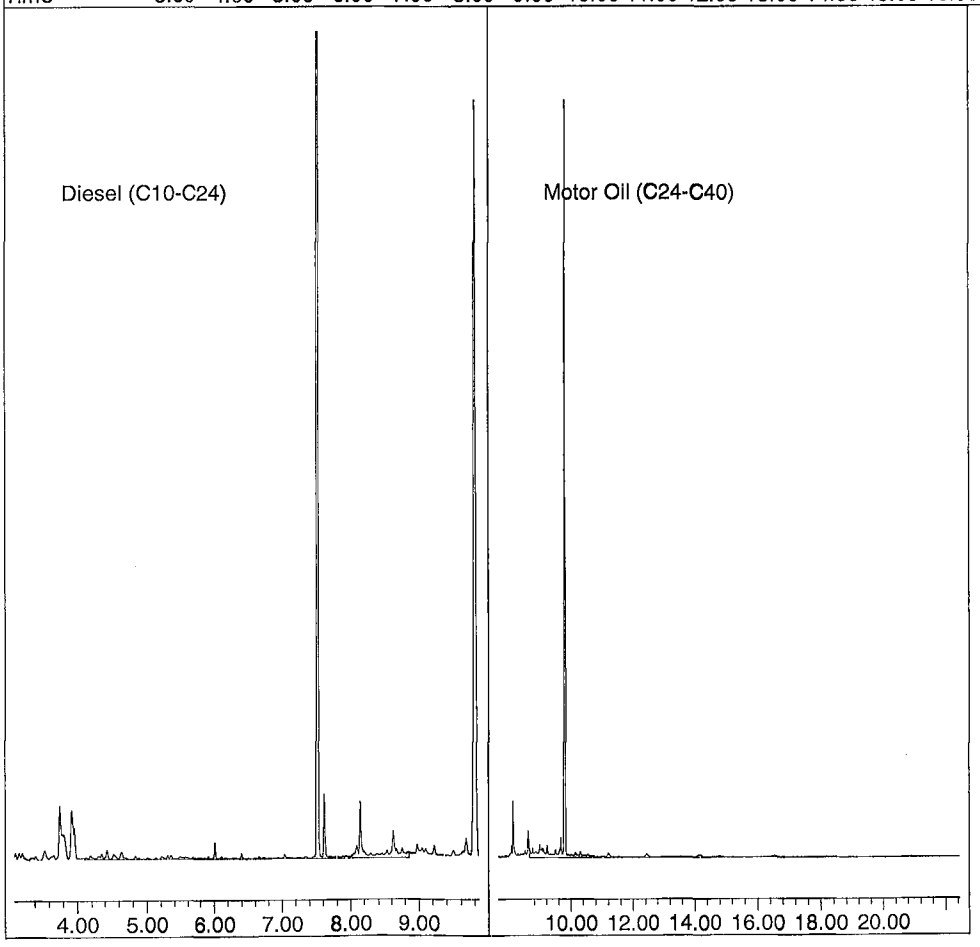
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

| Compound | R.T. | Response | Conc Units |
|---|---|---|---|
| System Monitoring Compounds | | | |
| 3) SA Ortho-Terphenyl(S) | 7.52 | 127168549 | 114.317 ppb |
| Surrogate Spike 150.000 | | Recovery = | 76.21% |
| 4) SA Octacosane(S) | 9.80 | 96327870 | 113.863 ppb |
| Surrogate Spike 150.000 | | Recovery = | 75.91% |
| Target Compounds | | | |
| 1) HATM Diesel (C10-C24) | 6.48 | 43889428 | 18.765 ppb |
| 2) HBTM Motor Oil (C24-C40) | 15.05 | 53141702 | 73.458 ppb |
| Target Compounds | | | |

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

Data File: G:\APOLLO\DATA\210824\824019.D
Sample : 210817A LCSD-1 5/1000



# Organic Extraction Worksheet

| Method | Continuous Liq/Liq TPH-Diesel/MO 3520C | Extraction Set | 210817A | Extraction Method | LIQ005 | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | | Surrogate ID 1 | THC Surrogate | | |
| 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: | | | |
| Spiked ID 8 | | Ext. End Time: | 16:35 8/18/21 | | |
| | | GC Requires Extract By: | | | |

| | | | | | |
|---|---|---|---|---|---|
| pH1 | 2 | | | Water Bath Temp 1 °C | |
| pH2 | | | | Water Bath Temp 2 °C | |
| pH3 | | | | Water Bath Temp 3 °C | |

**Spiked By:** **Date** **Witnessed By:** **Date**

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 210817A Blk | | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | |
| 2 | 210817A LCS-1 | | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | |
| 3 | 210817A LCSD-1 | | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | |
| 4 | BA37731 | BA37731W01 | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | 97159 |
| 5 | BA37734 | BA37734W01 | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | 97159 |
| 6 | BA37737 | BA37737W01 | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | 97159 |
| 7 | BA37740 | BA37740W01 | | | 0.250 | 1 equip | 1000 | 5 | 2 | 08/17/21 9:55 | 97159 |

| Solvent and Lot# | |
|---|---|
| 1+1 HCL (5mLs) | 60282 * |
| PH Strips | HC155968 * |
| Dicholormethane | 61117 * |
| Filter Paper | 400181 * |
| Sodium Sulfate | 162952O3 |
| Silica Gel (*) | * |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | |
| GC analyst's initials | CW |
| Date | 8/19/21 |
| Time | 11:35 |
| Refrigerator | Hobart |

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

| Modified | 8/23/2021 8:18:39 AM |
|---|---|

**Reviewed By:** **Date**

# Injection Log

Directory: G:\APOLLO\DATA\210823\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 823003.D | 1 | DMO Curve 1 | water | 8-23-21 18:21:55 |
| 2 | 4 | 823004.D | 1 | DMO Curve 2 | water | 8-23-21 18:50:30 |
| 3 | 5 | 823005.D | 1 | DMO Curve 3 | water | 8-23-21 19:18:55 |
| 4 | 6 | 823006.D | 1 | DMO Curve 4 | water | 8-23-21 19:47:24 |
| 5 | 7 | 823007.D | 1 | DMO Curve 5 | water | 8-23-21 20:15:46 |
| 6 | 8 | 823008.D | 1 | DMO Curve 6 | water | 8-23-21 20:44:20 |
| 7 | 9 | 823009.D | 1 | DMO Curve 7 | water | 8-23-21 21:12:52 |
| 8 | 10 | 823010.D | 1 | DMO Second Source | water | 8-23-21 21:41:26 |
| 9 | 13 | 824013.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-24-21 20:44:27 |
| 10 | 17 | 824017.D | 5 | 210817A BLK 5/1000 | water | 8-24-21 22:38:56 |
| 11 | 18 | 824018.D | 5 | 210817A LCS-1 5/1000 | water | 8-24-21 23:07:30 |
| 12 | 19 | 824019.D | 5 | 210817A LCSD-1 5/1000 | water | 8-24-21 23:36:06 |
| 13 | 20 | 824020.D | 5 | BA37731W01 5/1000 | water | 8-25-21 0:04:40 |
| 14 | 21 | 824021.D | 5 | BA37734W01 5/1000 | water | 8-25-21 0:33:12 |
| 15 | 22 | 824022.D | 5 | BA37737W01 5/1000 | water | 8-25-21 1:01:50 |
| 16 | 23 | 824023.D | 5 | BA37740W01 5/1000 | water | 8-25-21 1:30:29 |
| 17 | 31 | 824031.D | 1 | Diesel Motor Oil CCV 8/24/21 | water | 8-25-21 5:19:13 |

# 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: 7/15/2021
Matrix: Instrument: Linus Initials:

| | | Compound | 0715L004.D 0.1 | 0715L005.D 0.2 | 0715L006.D 0.5 | 0715L007.D 1 | 0715L008.D 5 | 0715L009.D 10 | 0715L010.D 50 | 0715L011.D 100 | | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | | | | | | | | | | | | | | | | |
| 2 | TM | Naphthalene | 1.257 | 1.260 | 1.246 | 1.216 | 1.169 | 1.100 | 1.113 | 1.047 | | | 1.2 | 6.9 | TM | | | 0.700 |
| 3 | S | 2-Methylnaphthalene-D10 (2M | 1.239 | 1.257 | 1.232 | 1.222 | 1.131 | 1.199 | 1.098 | 1.077 | | | 1.2 | 5.9 | S | | | |
| 4 | TM | 2-Methylnaphthalene | 0.7305 | 0.7238 | 0.7496 | 0.7220 | 0.7135 | 0.6858 | 0.6454 | 0.5605 | | | 0.69 | 8.9 | TM | | | 0.400 |
| 5 | TM | 1-Methylnaphthalene | 0.7705 | 0.7476 | 0.7699 | 0.7451 | 0.7235 | 0.6853 | 0.6403 | 0.5499 | | | 0.70 | 11 | TM | | | |
| 6 | I | Acenaphthene-D10(IS) | | | | | | | | | | | | | | | | |
| 7 | TM | Acenaphthylene | 4.989 | 5.144 | 5.085 | 4.999 | 5.120 | 4.805 | 4.385 | 3.583 | | | 4.8 | 11 | TM | | | 0.900 |
| 8 | *TM | Acenaphthene | 1.472 | 1.465 | 1.373 | 1.330 | 1.351 | 1.224 | 1.075 | 0.9328 | | | 1.3 | 15 | *TM | | | 0.900 |
| 9 | TM | Fluorene | 1.688 | 1.692 | 1.703 | 1.635 | 1.683 | 1.591 | 1.371 | 1.214 | | | 1.6 | 12 | TM | | | 0.900 |
| 10 | I | Phenanthrene-D10(IS) | | | | | | | | | | | | | | | | |
| 11 | TM | Phenanthrene | 1.508 | 1.490 | 1.497 | 1.440 | 1.413 | 1.377 | 1.144 | 0.9430 | | | 1.4 | 15 | TM | | | 0.700 |
| 12 | TM | Anthracene | 1.328 | 1.313 | 1.335 | 1.309 | 1.340 | 1.291 | 1.073 | 0.8556 | | | 1.2 | 14 | TM | | | 0.700 |
| 13 | S | Fluoranthene-D10 (FRT) | 1.955 | 1.983 | 1.974 | 2.003 | 1.875 | 2.031 | 1.885 | 1.678 | | | 1.9 | 5.9 | S | | | |
| 14 | *TM | Fluoranthene | 2.111 | 2.170 | 2.261 | 2.247 | 2.226 | 2.161 | 1.716 | 1.406 | | | 2.0 | 15 | *TM | | | 0.600 |
| 15 | I | Chrysene-D12(IS) | | | | | | | | | | | | | | | | |
| 16 | TM | Pyrene | 1.531 | 1.551 | 1.590 | 1.541 | 1.534 | 1.462 | 1.341 | 1.240 | | | 1.5 | 8.2 | TM | | | 0.600 |
| 17 | TM | Benz (a) anthracene | 1.367 | 1.318 | 1.340 | 1.282 | 1.331 | 1.304 | 1.302 | 1.219 | | | 1.3 | 3.4 | TM | | | 0.800 |
| 18 | TM | Chrysene | 1.552 | 1.512 | 1.496 | 1.419 | 1.393 | 1.313 | 1.193 | 1.032 | | | 1.4 | 13 | TM | | | 0.700 |
| 19 | TM | Indeno (1,2,3-cd) pyrene | 1.265 | 1.247 | 1.256 | 1.231 | 1.313 | 1.299 | 1.341 | 1.265 | | | 1.3 | 2.9 | TM | | | 0.500 |
| 20 | I | Perylene-D12(IS) | | | | | | | | | | | | | | | | |
| 21 | TM | Benzo (b) fluoranthene | 1.208 | 1.100 | 1.221 | 1.296 | 1.394 | 1.346 | 1.364 | 1.307 | | | 1.3 | 7.6 | TM | | | 0.700 |
| 22 | TM | Benzo (k) fluoranthene | 1.498 | 1.577 | 1.548 | 1.432 | 1.496 | 1.458 | 1.058 | 1.182 | | | 1.4 | 13 | TM | | | 0.700 |
| 23 | *TM | Benzo (a) pyrene | 1.162 | 1.085 | 1.229 | 1.232 | 1.312 | 1.284 | 1.271 | 1.154 | | | 1.2 | 6.3 | *TM | | | 0.700 |
| 24 | TM | Dibenz (a,h) anthracene | 1.053 | 1.113 | 1.137 | 1.153 | 1.229 | 1.193 | 1.117 | 1.041 | | | 1.1 | 5.7 | TM | | | 0.400 |
| 25 | TM | Benzo (g,h,i) perylene | 1.232 | 1.233 | 1.229 | 1.224 | 1.291 | 1.252 | 1.187 | 1.112 | | | 1.2 | 4.3 | TM | | | 0.500 |
| 26 | | | | | | | | | | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | |
| 30 | | | | | | | | | | | | | | | | | | |
| 31 | | | | | | | | | | | | | | | | | | |
| 32 | | | | | | | | | | | | | | | | | | |
| 33 | | | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L004.D Vial: 4
Acq On : 15 Jul 21 9:04 Operator: LS
Sample : 0.1 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 37575 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 18144 | 2.50 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 29646 | 2.50 | ppb | 0.01 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 41394 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 37425 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.83 | 152 | 931 | 0.05 | ppb | 0.01 |
| Spiked Amount 5.000 | | | Recovery = 1.040% | | | |
| 13) Fluoranthene-D10 (FRT) | 9.16 | 212 | 1159 | 0.05 | ppb | 0.01 |
| Spiked Amount 5.000 | | | Recovery = 1.020% | | | |

Target Compounds Qvalue

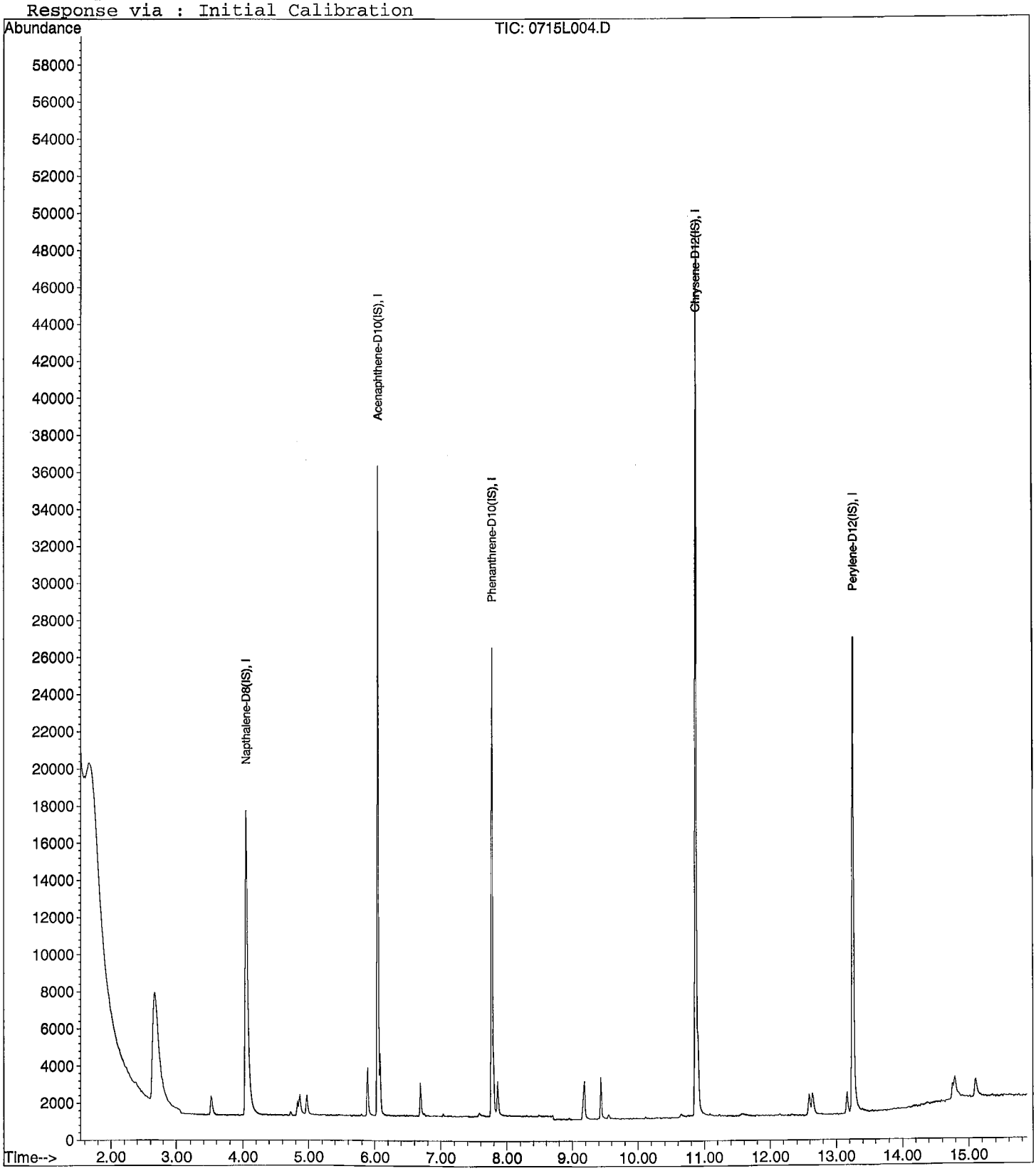
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L004.D Vial: 4
Acq On : 15 Jul 21 9:04 Operator: LS
Sample : 0.1 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L005.D Vial: 5
Acq On : 15 Jul 21 9:26 Operator: LS
Sample : 0.2 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 35629 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 17068 | 2.50 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 28139 | 2.50 | ppb | 0.01 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 39487 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 35556 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.83 | 152 | 1792 | 0.11 | ppb | 0.01 |
| Spiked Amount 5.000 | | | Recovery = | 2.120% | | |
| 13) Fluoranthene-D10 (FRT) | 9.16 | 212 | 2232 | 0.10 | ppb | 0.01 |
| Spiked Amount 5.000 | | | Recovery = | 2.060% | | |

Target Compounds Qvalue

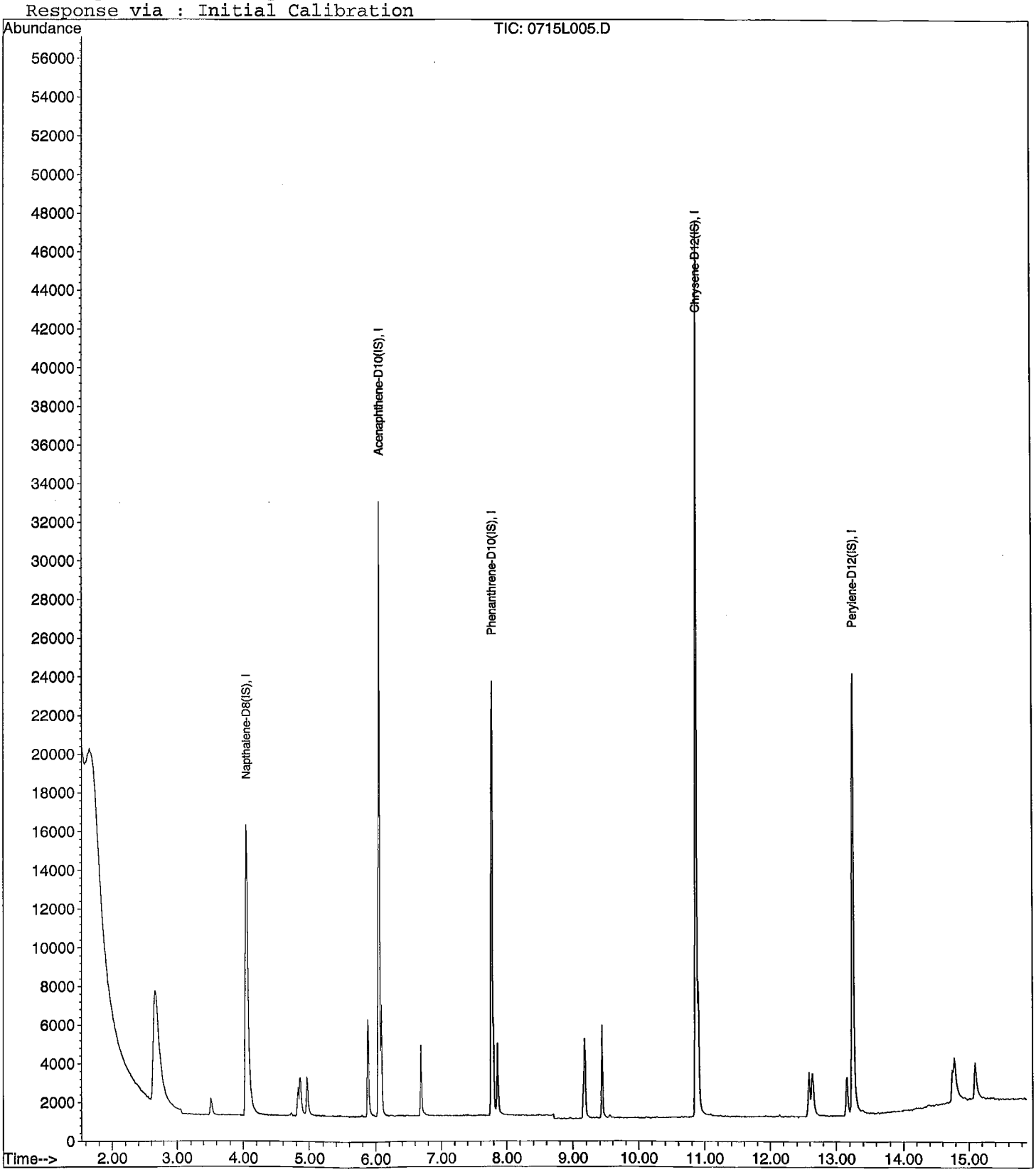
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L005.D Vial: 5
Acq On : 15 Jul 21 9:26 Operator: LS
Sample : 0.2 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L006.D Vial: 6
Acq On : 15 Jul 21 9:48 Operator: LS
Sample : 0.5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 35237 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 17128 | 2.50 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 27537 | 2.50 | ppb | 0.01 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 39592 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 35596 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.83 | 152 | 4340 | 0.26 | ppb | 0.01 |
| Spiked Amount 5.000 | | | Recovery = 5.220% | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 5435 | 0.26 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 5.140% | | | |

Target Compounds Qvalue

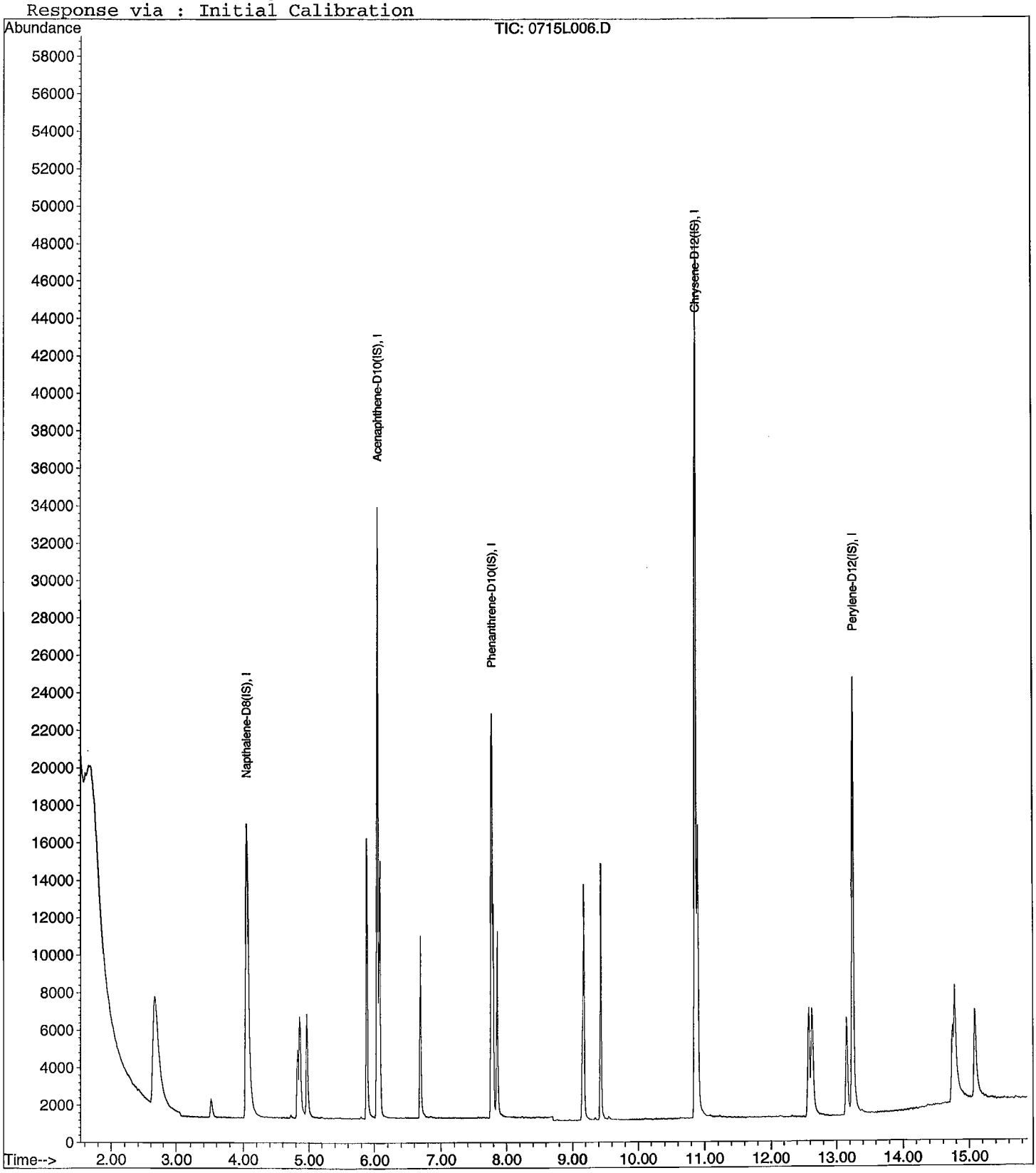
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L006.D Vial: 6
Acq On : 15 Jul 21 9:48 Operator: LS
Sample : 0.5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L007.D Vial: 7
Acq On : 15 Jul 21 10:10 Operator: LS
Sample : 1 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 38292 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 18623 | 2.50 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 29963 | 2.50 | ppb | | 0.01 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 43524 | 2.50 | ppb | | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 38871 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 9356 | 0.52 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 10.340% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 12003 | 0.52 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 10.420% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 18630 | 1.03 | ppb | | 98 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 11058 | 1.04 | ppb | | 97 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 11413 | 1.06 | ppb | | 99 |
| 7) Acenaphthylene | 5.88 | 152 | 37240 | 1.05 | ppb | | 99 |
| 8) Acenaphthene | 6.08 | 154 | 9909 | 1.04 | ppb | | 97 |
| 9) Fluorene | 6.69 | 166 | 12181 | 1.04 | ppb | | 96 |
| 11) Phenanthrene | 7.80 | 178 | 17262 | 1.07 | ppb | | 99 |
| 12) Anthracene | 7.86 | 178 | 15687 | 1.06 | ppb | | 98 |
| 14) Fluoranthene | 9.17 | 202 | 26927 | 1.10 | ppb | | 99 |
| 16) Pyrene | 9.43 | 202 | 26820 | 1.05 | ppb | | 98 |
| 17) Benz (a) anthracene | 10.86 | 228 | 22324 | 0.98 | ppb | | 99 |
| 18) Chrysene | 10.90 | 228 | 24706 | 1.04 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.75 | 276 | 21431 | 0.96 | ppb | # | 87 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 20143 | 1.01 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 22266 | 1.02 | ppb | | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 19153 | 1.01 | ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 17922 | 1.02 | ppb | | 98 |
| 25) Benzo (g,h,i) perylene | 15.08 | 276 | 19030 | 1.00 | ppb | | 100 |

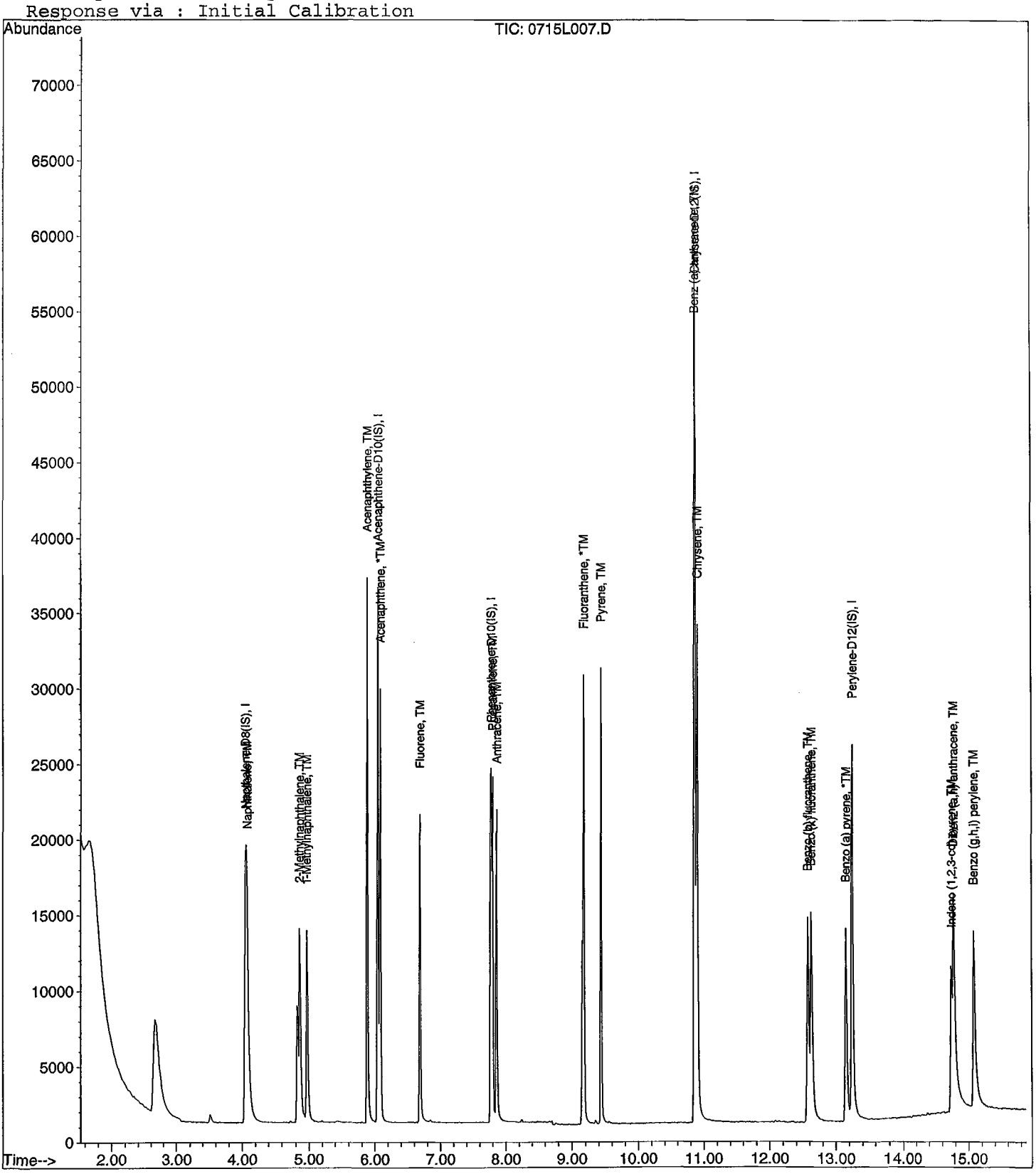
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L007.D Vial: 7
Acq On : 15 Jul 21 10:10 Operator: LS
Sample : 1 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L008.D Vial: 8
Acq On : 15 Jul 21 10:32 Operator: LS
Sample : 5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 34900 | 2.50 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 16606 | 2.50 ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 27860 | 2.50 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 41147 | 2.50 ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 36706 | 2.50 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 39468 | 2.39 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 47.840% | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 52239 | 2.44 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 48.760% | | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 81609 | 4.97 ppb | 100 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 49805 | 5.16 ppb | 100 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 50499 | 5.14 ppb | 100 |
| 7) Acenaphthylene | 5.88 | 152 | 170062 | 5.37 ppb | 100 |
| 8) Acenaphthene | 6.08 | 154 | 44879 | 5.29 ppb | 100 |
| 9) Fluorene | 6.69 | 166 | 55904 | 5.35 ppb | 100 |
| 11) Phenanthrene | 7.80 | 178 | 78705 | 5.23 ppb | 100 |
| 12) Anthracene | 7.86 | 178 | 74665 | 5.44 ppb | 100 |
| 14) Fluoranthene | 9.17 | 202 | 124013 | 5.46 ppb | 100 |
| 16) Pyrene | 9.43 | 202 | 126257 | 5.21 ppb | 100 |
| 17) Benz (a) anthracene | 10.86 | 228 | 109532 | 5.09 ppb | 100 |
| 18) Chrysene | 10.90 | 228 | 114640 | 5.11 ppb | 100 |
| 19) Indeno (1,2,3-cd) pyrene | 14.74 | 276 | 108069 | 5.14 ppb | 100 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 102359 | 5.45 ppb | 100 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 109857 | 5.32 ppb | 100 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 96348 | 5.40 ppb | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 90207 | 5.44 ppb | 100 |
| 25) Benzo (g,h,i) perylene | 15.08 | 276 | 94778 | 5.29 ppb | 100 |

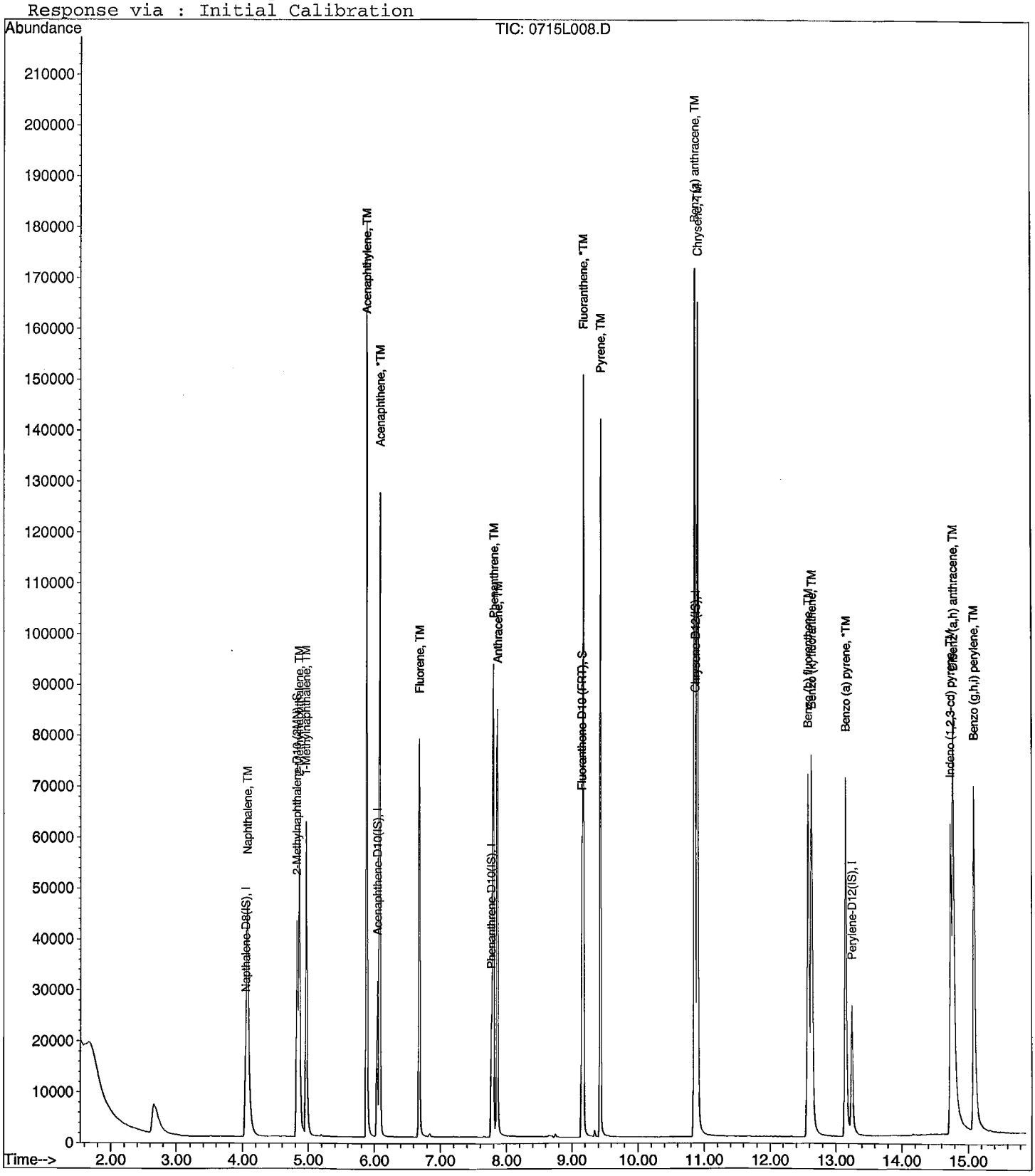
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L008.D Vial: 8
Acq On : 15 Jul 21 10:32 Operator: LS
Sample : 5 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L009.D Vial: 9
Acq On : 15 Jul 21 10:55 Operator: LS
Sample : 10 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 35868 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 17432 | 2.50 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 28073 | 2.50 | ppb | | 0.01 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 41890 | 2.50 | ppb | | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 38066 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 86019 | 5.07 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 101.460% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 114053 | 5.28 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 105.640% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 157861 | 9.36 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 98389 | 9.92 | ppb | | 99 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 98317 | 9.73 | ppb | | 99 |
| 7) Acenaphthylene | 5.88 | 152 | 335060 | 10.09 | ppb | | 100 |
| 8) Acenaphthene | 6.08 | 154 | 85339 | 9.58 | ppb | | 98 |
| 9) Fluorene | 6.69 | 166 | 110925 | 10.12 | ppb | | 99 |
| 11) Phenanthrene | 7.80 | 178 | 154599 | 10.19 | ppb | | 99 |
| 12) Anthracene | 7.86 | 178 | 144986 | 10.49 | ppb | | 99 |
| 14) Fluoranthene | 9.17 | 202 | 242662 | 10.61 | ppb | | 98 |
| 16) Pyrene | 9.43 | 202 | 244903 | 9.92 | ppb | | 99 |
| 17) Benz (a) anthracene | 10.86 | 228 | 218547 | 9.97 | ppb | | 99 |
| 18) Chrysene | 10.90 | 228 | 220049 | 9.63 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.75 | 276 | 217707 | 10.17 | ppb | # | 82 |
| 21) Benzo (b) fluoranthene | 12.58 | 252 | 204889 | 10.52 | ppb | | 96 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 221936 | 10.37 | ppb | | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 195436 | 10.56 | ppb | | 99 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 181638 | 10.56 | ppb | | 98 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 190634 | 10.26 | ppb | # | 90 |

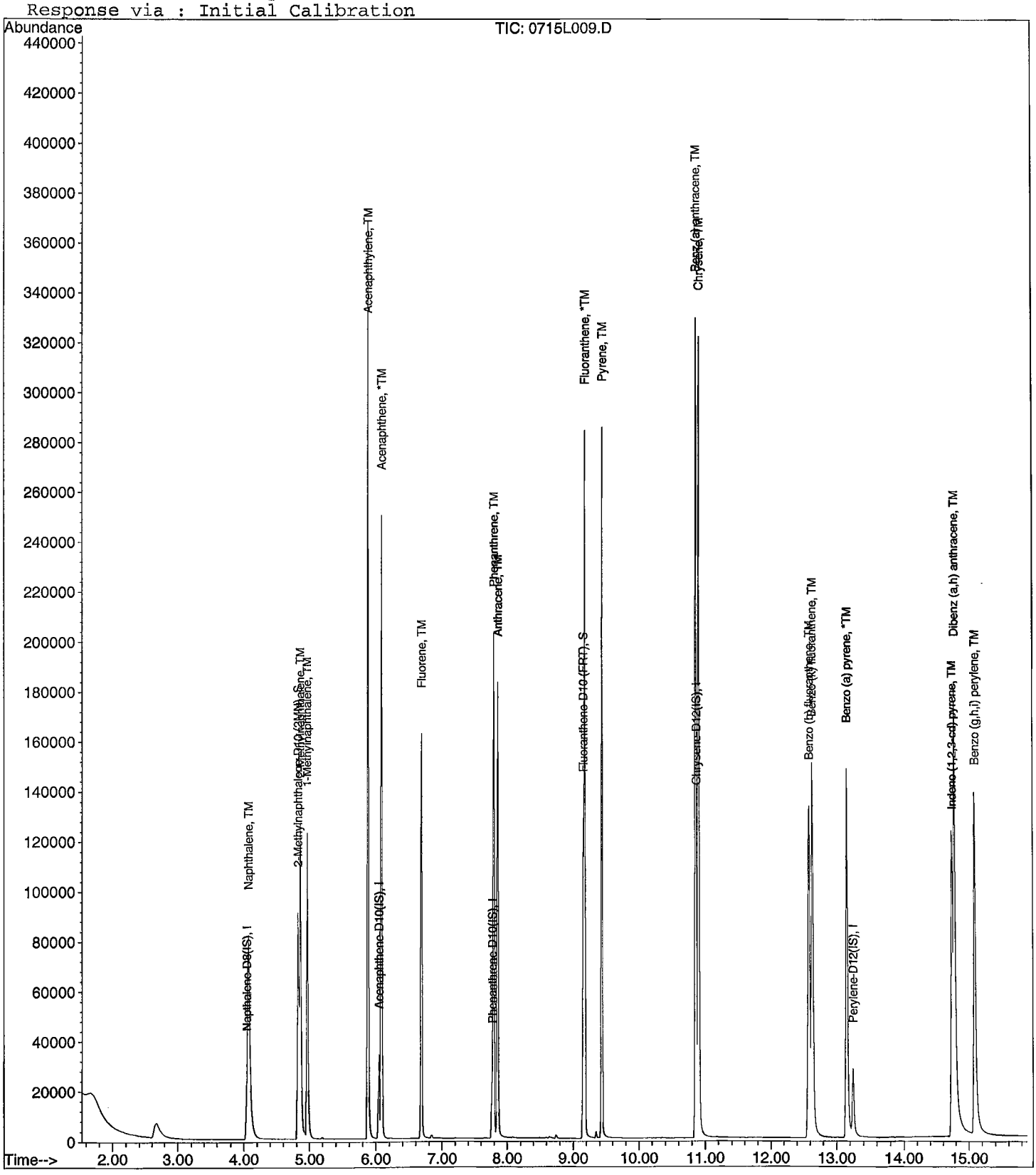
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L009.D Vial: 9
Acq On : 15 Jul 21 10:55 Operator: LS
Sample : 10 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L010.D Vial: 10
Acq On : 15 Jul 21 11:17 Operator: LS
Sample : 50 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 36547 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 17383 | 2.50 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 29211 | 2.50 | ppb | | 0.01 |
| 15) Chrysene-D12(IS) | 10.88 | 240 | 39425 | 2.50 | ppb | | 0.01 |
| 20) Perylene-D12(IS) | 13.26 | 264 | 37524 | 2.50 | ppb | | 0.01 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 401356 | 23.23 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 464.600% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.16 | 212 | 550772 | 24.51 | ppb | | 0.01 |
| Spiked Amount 5.000 | | | Recovery = 490.220% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 813650 | 47.33 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 471771 | 46.68 | ppb | | 100 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 467996 | 45.47 | ppb | | 99 |
| 7) Acenaphthylene | 5.88 | 152 | 1524552 | 46.02 | ppb | | 100 |
| 8) Acenaphthene | 6.08 | 154 | 373563 | 42.05 | ppb | | 95 |
| 9) Fluorene | 6.69 | 166 | 476607 | 43.60 | ppb | | 97 |
| 11) Phenanthrene | 7.80 | 178 | 668058 | 42.31 | ppb | | 97 |
| 12) Anthracene | 7.86 | 178 | 626693 | 43.58 | ppb | | 98 |
| 14) Fluoranthene | 9.18 | 202 | 1002621 | 42.12 | ppb | | 96 |
| 16) Pyrene | 9.44 | 202 | 1057437 | 45.50 | ppb | | 97 |
| 17) Benz (a) anthracene | 10.87 | 228 | 1026510 | 49.77 | ppb | | 98 |
| 18) Chrysene | 10.92 | 228 | 940494 | 43.73 | ppb | | 98 |
| 19) Indeno (1,2,3-cd) pyrene | 14.77 | 276 | 1057002 | 52.48 | ppb | # | 97 |
| 21) Benzo (b) fluoranthene | 12.61 | 252 | 1023928 | 53.31 | ppb | | 98 |
| 22) Benzo (k) fluoranthene | 12.61 | 252 | 794214 | 37.63 | ppb | | 97 |
| 23) Benzo (a) pyrene | 13.18 | 252 | 953842 | 52.26 | ppb | | 95 |
| 24) Dibenz (a,h) anthracene | 14.81 | 278 | 837991 | 49.44 | ppb | | 97 |
| 25) Benzo (g,h,i) perylene | 15.14 | 276 | 890985 | 48.66 | ppb | # | 91 |

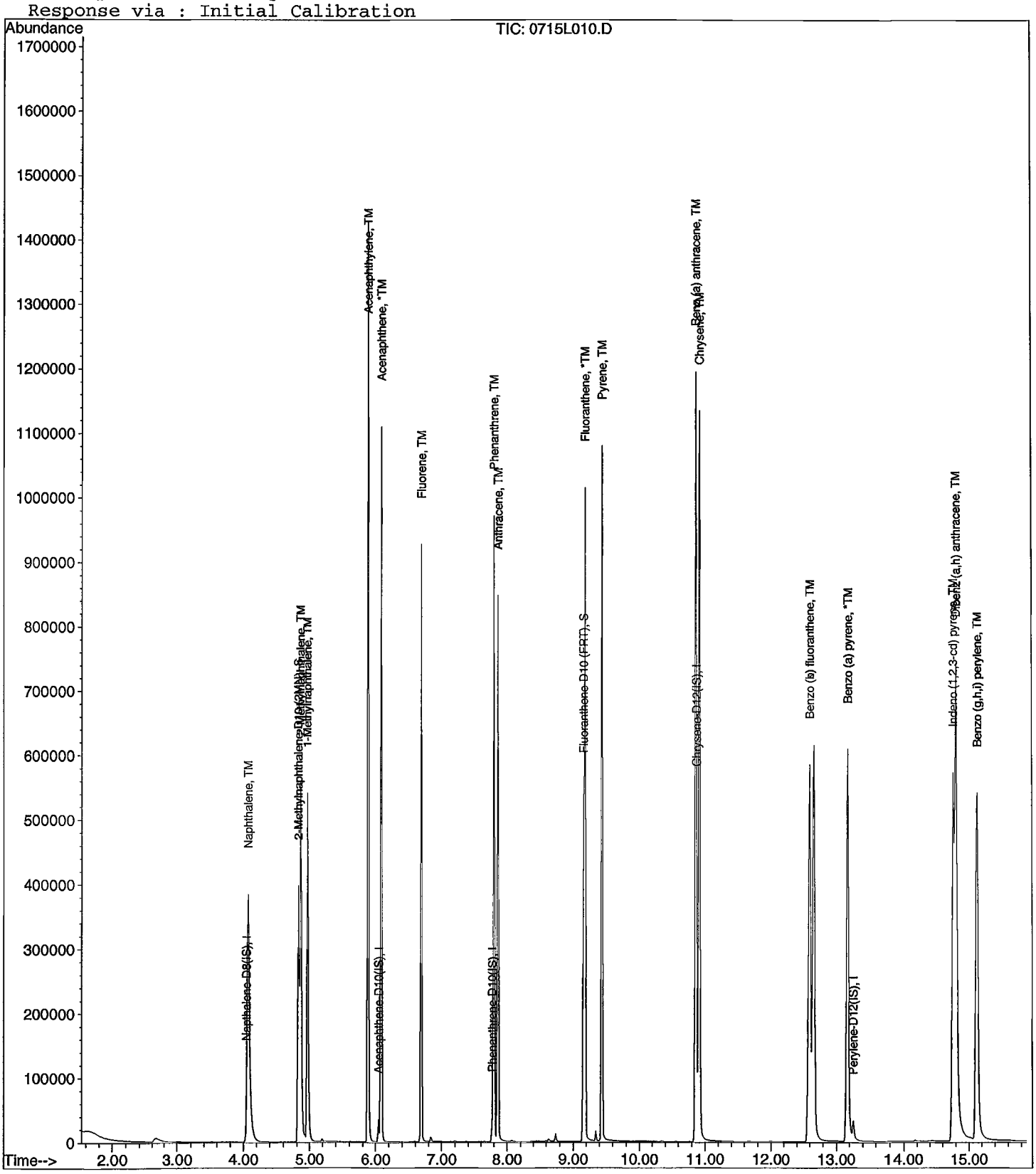
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L010.D Vial: 10
Acq On : 15 Jul 21 11:17 Operator: LS
Sample : 50 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:01 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 11:57 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:46:14 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 36883 | 2.50 | ppb | | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 18122 | 2.50 | ppb | | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.77 | 188 | 29730 | 2.50 | ppb | | 0.01 |
| 15) Chrysene-D12(IS) | 10.89 | 240 | 37481 | 2.50 | ppb | | 0.02 |
| 20) Perylene-D12(IS) | 13.27 | 264 | 36407 | 2.50 | ppb | | 0.02 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 794559 | 45.53 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 910.540% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.16 | 212 | 997955 | 44.13 | ppb | | 0.01 |
| Spiked Amount 5.000 | | | Recovery = 882.660% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 1544178 | 89.59 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 826986 | 80.69 | ppb | | 99 |
| 5) 1-Methylnaphthalene | 4.97 | 142 | 811288 | 77.77 | ppb | | 96 |
| 7) Acenaphthylene | 5.89 | 152 | 2597584 | 75.03 | ppb | | 99 |
| 8) Acenaphthene | 6.10 | 154 | 676149 | 72.53 | ppb | | 96 |
| 9) Fluorene | 6.69 | 166 | 880169 | 76.71 | ppb | | 97 |
| 11) Phenanthrene | 7.81 | 178 | 1121420 | 69.30 | ppb | | 97 |
| 12) Anthracene | 7.87 | 178 | 1017515 | 68.87 | ppb | | 97 |
| 14) Fluoranthene | 9.19 | 202 | 1672602 | 69.02 | ppb | | 99 |
| 16) Pyrene | 9.45 | 202 | 1858619 | 84.01 | ppb | | 100 |
| 17) Benz (a) anthracene | 10.88 | 228 | 1827248 | 93.65 | ppb | | 97 |
| 18) Chrysene | 10.93 | 228 | 1547735 | 75.43 | ppb | | 97 |
| 19) Indeno (1,2,3-cd) pyrene | 14.81 | 276 | 1896751 | 97.97 | ppb | # | 90 |
| 21) Benzo (b) fluoranthene | 12.63 | 252 | 1903776 | 101.38 | ppb | | 97 |
| 22) Benzo (k) fluoranthene | 12.69 | 252 | 1720612m | 83.19 | ppb | | 96 |
| 23) Benzo (a) pyrene | 13.20 | 252 | 1680263 | 93.94 | ppb | | 98 |
| 24) Dibenz (a,h) anthracene | 14.85 | 278 | 1516110 | 90.39 | ppb | # | 91 |
| 25) Benzo (g,h,i) perylene | 15.17 | 276 | 1618716 | 89.57 | ppb | | 98 |

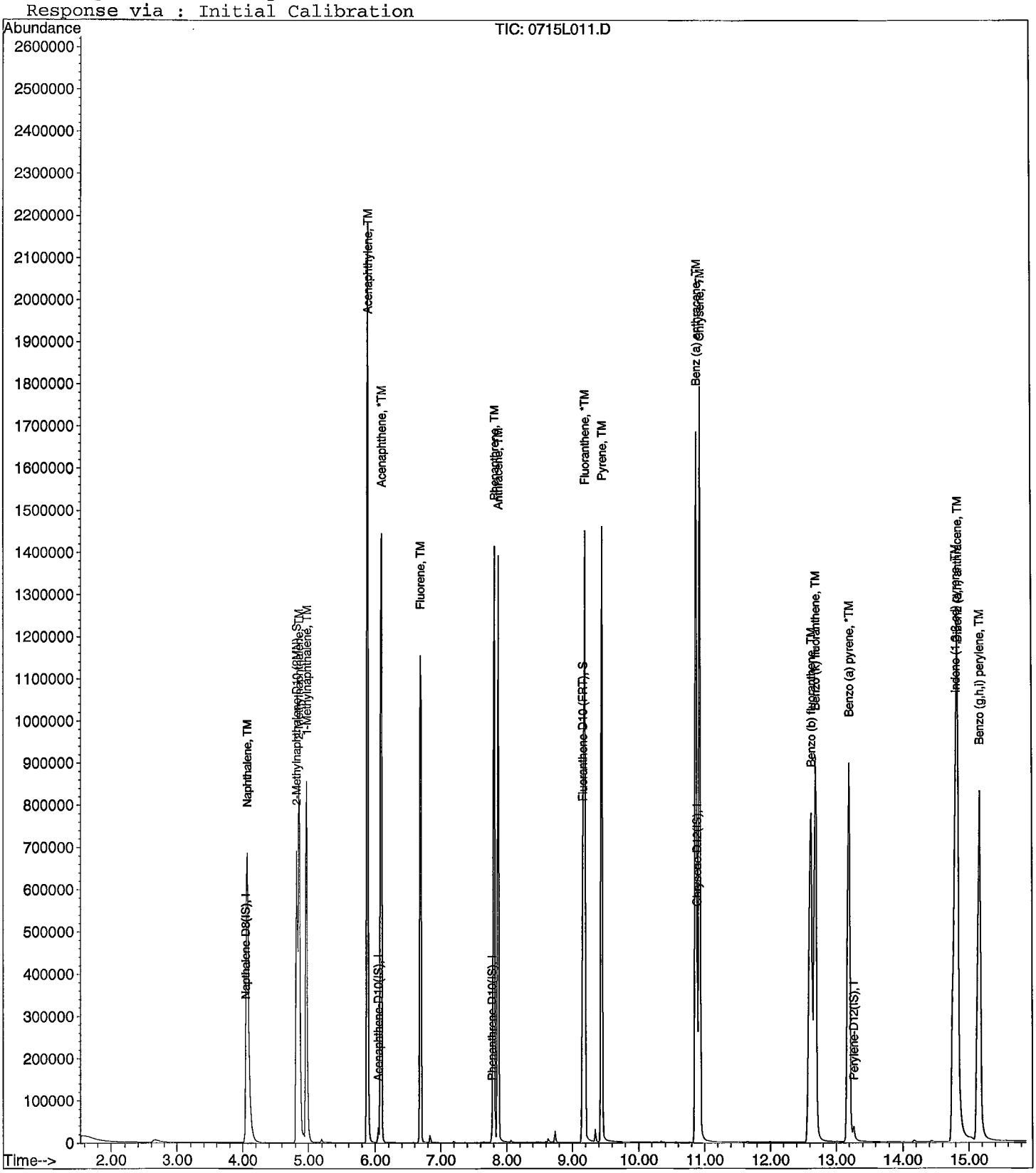
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L011.D Vial: 11
Acq On : 15 Jul 21 11:39 Operator: LS
Sample : 100 SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 11:57 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



Form 7

# Second Source Calibration

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

SDG No:
Date Analyzed: 7/15/2021
Instrument: Linus
Initial Cal. Date: 7/15/2021
Data File: 0715L012.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | TM | Naphthalene | 1.176 | 1.134 | 3.6 | TM | |
| 2 | TM | 2-Methylnaphthalene | 0.6914 | 0.6741 | 2.5 | TM | |
| 3 | TM | 1-Methylnaphthalene | 0.7040 | 0.6729 | 4.4 | TM | |
| 4 | TM | Acenaphthylene | 4.764 | 4.857 | 1.9 | TM | |
| 5 | *TM | Acenaphthene | 1.278 | 1.247 | 2.4 | *TM | |
| 6 | TM | Fluorene | 1.572 | 1.574 | 0.12 | TM | |
| 7 | TM | Phenanthrene | 1.351 | 1.313 | 2.8 | TM | |
| 8 | TM | Anthracene | 1.231 | 1.319 | 7.2 | TM | |
| 7 | *TM | Fluoranthene | 2.037 | 2.089 | 2.5 | *TM | |
| 8 | TM | Pyrene | 1.474 | 1.455 | 1.3 | TM | |
| 9 | TM | Benz (a) anthracene | 1.308 | 1.270 | 2.9 | TM | |
| 10 | TM | Chrysene | 1.364 | 1.261 | 7.5 | TM | |
| 11 | TM | Indeno (1,2,3-cd) pyrene | 1.277 | 1.265 | 0.97 | TM | |
| 12 | TM | Benzo (b) fluoranthene | 1.280 | 1.335 | 4.3 | TM | |
| 13 | TM | Benzo (k) fluoranthene | 1.406 | 1.404 | 0.14 | TM | |
| 14 | *TM | Benzo (a) pyrene | 1.216 | 1.304 | 7.2 | *TM | |
| 15 | TM | Dibenz (a,h) anthracene | 1.129 | 1.171 | 3.7 | TM | |
| 16 | TM | Benzo (g,h,i) perylene | 1.220 | 1.228 | 0.64 | TM | |
| 17 | | | | | | | |
| 18 | | | | | | | |
| 19 | | | | | | | |
| 20 | | | | | | | |
| 21 | | | | | | | |
| 22 | | | | | | | |
| 23 | | | | | | | |
| 24 | | | | | | | |
| 25 | | | | | | | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| | | Average | | | 3.1 | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L012.D Vial: 12
Acq On : 15 Jul 21 12:01 Operator: LS
Sample : SS SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:31 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 37378 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.05 | 164 | 17835 | 2.50 | ppb | 0.00 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 29548 | 2.50 | ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 43782 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 38667 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 17 | 0.00 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 0.020% | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 215 | 0.01 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 0.180% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Naphthalene | 4.07 | 128 | 84756 | 4.82 | ppb | 99 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 50390 | 4.87 | ppb | 99 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 50302 | 4.78 | ppb | 100 |
| 7) Acenaphthylene | 5.88 | 152 | 173233 | 5.10 | ppb | 100 |
| 8) Acenaphthene | 6.08 | 154 | 44498 | 4.88 | ppb | 100 |
| 9) Fluorene | 6.69 | 166 | 56146 | 5.01 | ppb | 98 |
| 11) Phenanthrene | 7.80 | 178 | 77621 | 4.86 | ppb | 99 |
| 12) Anthracene | 7.86 | 178 | 77939 | 5.36 | ppb | 100 |
| 14) Fluoranthene | 9.17 | 202 | 123463 | 5.13 | ppb | 100 |
| 16) Pyrene | 9.43 | 202 | 127364 | 4.94 | ppb | 98 |
| 17) Benz (a) anthracene | 10.86 | 228 | 111240 | 4.86 | ppb | 99 |
| 18) Chrysene | 10.90 | 228 | 110421 | 4.62 | ppb | 100 |
| 19) Indeno (1,2,3-cd) pyrene | 14.74 | 276 | 110758 | 4.95 | ppb | 97 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 103205 | 5.21 | ppb | 99 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 108595 | 4.99 | ppb | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 100824 | 5.36 | ppb | 99 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 90571 | 5.19 | ppb | 99 |
| 25) Benzo (g,h,i) perylene | 15.08 | 276 | 94948 | 5.03 | ppb | 98 |

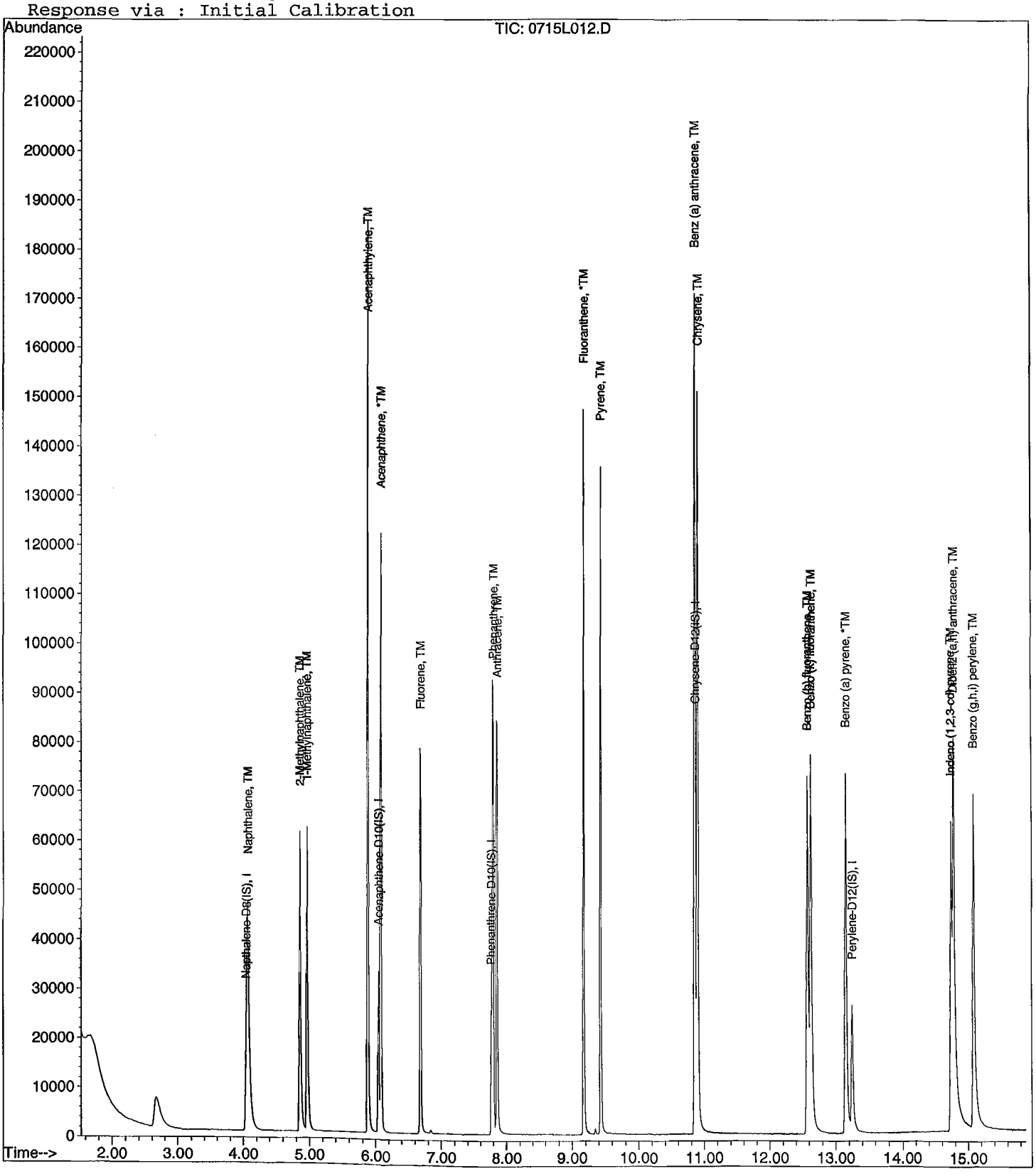
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L012.D Vial: 12
Acq On : 15 Jul 21 12:01 Operator: LS
Sample : SS SIM 07/08/21 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Jul 15 12:31 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 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: 8/20/2021
Instrument: Linus
Initial Cal. Date: 7/15/2021
Data File: 0809L137.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | |
| 2 | TM | Naphthalene | 1.176 | 1.141 | 3.0 | TM | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.182 | 1.234 | 4.4 | S | |
| 4 | TM | 2-Methylnaphthalene | 0.6914 | 0.7020 | 1.5 | TM | |
| 5 | TM | 1-Methylnaphthalene | 0.7040 | 0.6969 | 1.0 | TM | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | |
| 7 | TM | Acenaphthylene | 4.764 | 4.889 | 2.6 | TM | |
| 8 | *TM | Acenaphthene | 1.278 | 1.239 | 3.0 | *TM | |
| 9 | TM | Fluorene | 1.572 | 1.577 | 0.28 | TM | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | |
| 11 | TM | Phenanthrene | 1.351 | 1.359 | 0.54 | TM | |
| 12 | TM | Anthracene | 1.231 | 1.284 | 4.3 | TM | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.923 | 2.158 | 12 | S | |
| 14 | *TM | Fluoranthene | 2.037 | 2.240 | 9.9 | *TM | |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | |
| 16 | TM | Pyrene | 1.474 | 1.489 | 1.0 | TM | |
| 17 | TM | Benz (a) anthracene | 1.308 | 1.202 | 8.1 | TM | |
| 18 | TM | Chrysene | 1.364 | 1.361 | 0.23 | TM | |
| 19 | TM | Indeno (1,2,3-cd) pyrene | 1.277 | 1.124 | 12 | TM | |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | |
| 21 | TM | Benzo (b) fluoranthene | 1.280 | 1.224 | 4.4 | TM | |
| 22 | TM | Benzo (k) fluoranthene | 1.406 | 1.567 | 11 | TM | |
| 23 | *TM | Benzo (a) pyrene | 1.216 | 1.241 | 2.1 | *TM | |
| 24 | TM | Dibenz (a,h) anthracene | 1.129 | 1.091 | 3.4 | TM | |
| 25 | TM | Benzo (g,h,i) perylene | 1.220 | 1.164 | 4.6 | TM | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 4.5 | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L137.D Vial: 37
Acq On : 20 Aug 21 9:38 Operator: LS
Sample : 5 SIM 07/08/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 20 9:54 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 44015 | 2.50 | ppb | | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 20925 | 2.50 | ppb | | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 33408 | 2.50 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.86 | 240 | 50603 | 2.50 | ppb | | -0.01 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 43130 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.81 | 152 | 54327 | 2.61 | ppb | | -0.01 |
| Spiked Amount 5.000 | | | Recovery = 52.220% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 72082 | 2.80 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 56.100% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 100444 | 4.85 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.84 | 142 | 61796 | 5.08 | ppb | | 99 |
| 5) 1-Methylnaphthalene | 4.95 | 142 | 61344 | 4.95 | ppb | | 97 |
| 7) Acenaphthylene | 5.87 | 152 | 204607 | 5.13 | ppb | | 99 |
| 8) Acenaphthene | 6.07 | 154 | 51855 | 4.85 | ppb | | 89 |
| 9) Fluorene | 6.68 | 166 | 65983 | 5.01 | ppb | | 96 |
| 11) Phenanthrene | 7.79 | 178 | 90779 | 5.03 | ppb | | 98 |
| 12) Anthracene | 7.85 | 178 | 85790 | 5.22 | ppb | | 98 |
| 14) Fluoranthene | 9.17 | 202 | 149652 | 5.50 | ppb | # | 90 |
| 16) Pyrene | 9.42 | 202 | 150653 | 5.05 | ppb | # | 90 |
| 17) Benz (a) anthracene | 10.85 | 228 | 121649 | 4.60 | ppb | | 96 |
| 18) Chrysene | 10.89 | 228 | 137707 | 4.99 | ppb | # | 96 |
| 19) Indeno (1,2,3-cd) pyrene | 14.74 | 276 | 113753 | 4.40 | ppb | # | 89 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 105563 | 4.78 | ppb | | 97 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 135153 | 5.57 | ppb | | 98 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 107048 | 5.10 | ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 94082 | 4.83 | ppb | | 99 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 100384 | 4.77 | ppb | | 96 |

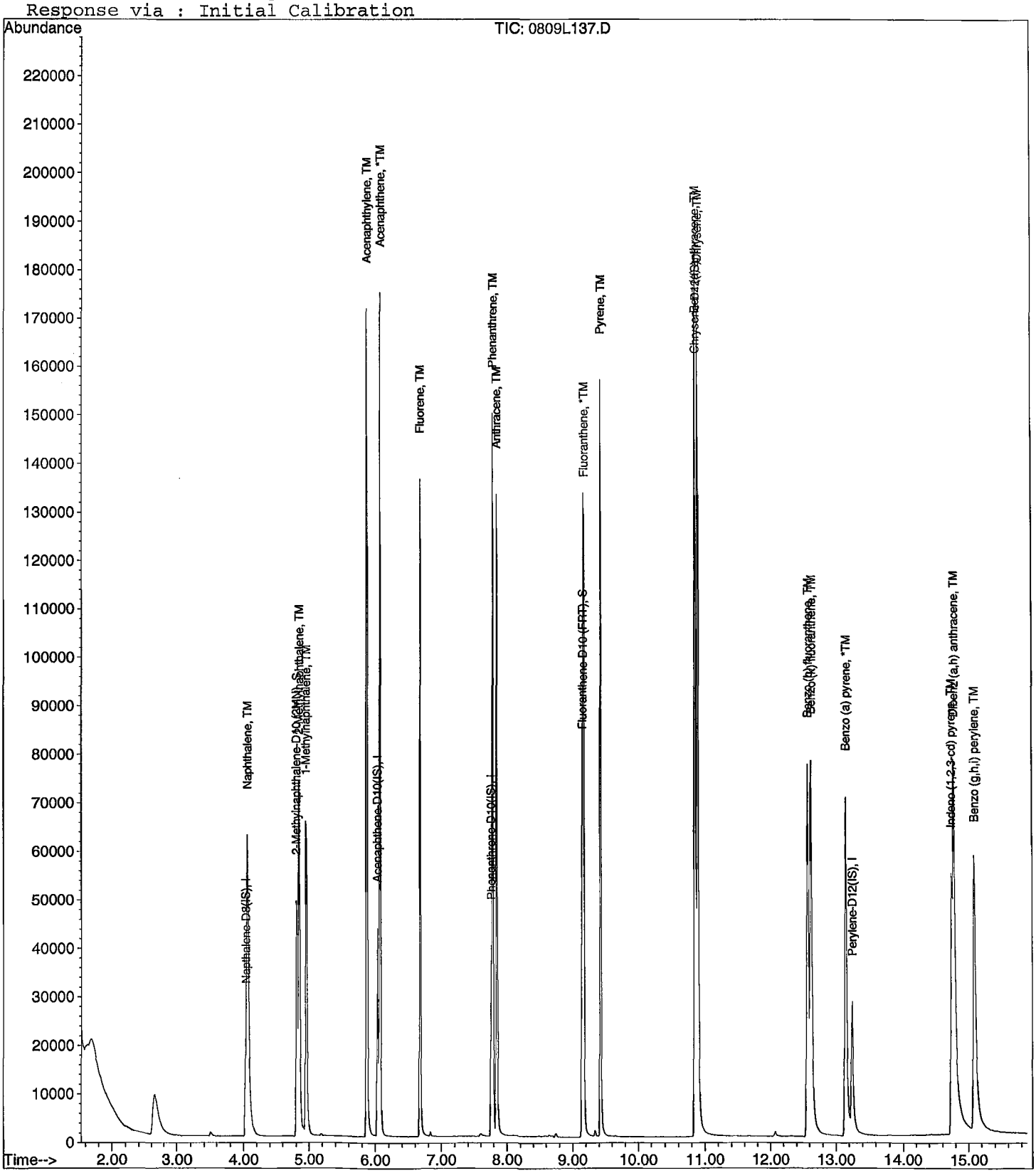
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L137.D Vial: 37
Acq On : 20 Aug 21 9:38 Operator: LS
Sample : 5 SIM 07/08/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 20 9:54 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 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: 8/20/2021
Instrument: Linus
Initial Cal. Date: 7/15/2021
Data File: 0809L152.D

| | | Compound | MEAN | CCRF | %D | | %Drift | |
|---|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | | |
| 2 | TM | Naphthalene | 1.176 | 1.230 | 4.6 | TM | | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.182 | 1.204 | 1.9 | S | | |
| 4 | TM | 2-Methylnaphthalene | 0.6914 | 0.7491 | 8.4 | TM | | |
| 5 | TM | 1-Methylnaphthalene | 0.7040 | 0.7434 | 5.6 | TM | | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | | |
| 7 | TM | Acenaphthylene | 4.764 | 5.345 | 12 | TM | | |
| 8 | *TM | Acenaphthene | 1.278 | 1.330 | 4.1 | *TM | | |
| 9 | TM | Fluorene | 1.572 | 1.717 | 9.2 | TM | | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | | |
| 11 | TM | Phenanthrene | 1.351 | 1.428 | 5.7 | TM | | |
| 12 | TM | Anthracene | 1.231 | 1.386 | 13 | TM | | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.923 | 2.208 | 15 | S | | |
| 14 | *TM | Fluoranthene | 2.037 | 2.466 | 21 | *TM | | * |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | | |
| 16 | TM | Pyrene | 1.474 | 1.626 | 10 | TM | | |
| 17 | TM | Benz (a) anthracene | 1.308 | 1.400 | 7.0 | TM | | |
| 18 | TM | Chrysene | 1.364 | 1.383 | 1.4 | TM | | |
| 19 | TM | Indeno (1,2,3-cd) pyrene | 1.277 | 1.269 | 0.62 | TM | | |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | | |
| 21 | TM | Benzo (b) fluoranthene | 1.280 | 1.301 | 1.6 | TM | | |
| 22 | TM | Benzo (k) fluoranthene | 1.406 | 1.623 | 15 | TM | | |
| 23 | *TM | Benzo (a) pyrene | 1.216 | 1.329 | 9.3 | *TM | | |
| 24 | TM | Dibenz (a,h) anthracene | 1.129 | 1.178 | 4.3 | TM | | |
| 25 | TM | Benzo (g,h,i) perylene | 1.220 | 1.244 | 1.9 | TM | | |
| 26 | | | | | | | | |
| 27 | | | | | | | | |
| 28 | | | | | | | | |
| 29 | | | | | | | | |
| 30 | | | | | | | | |
| 31 | | | | | | | | |
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| 35 | | | | | | | | |
| 36 | | | | | | | | |
| 37 | | | | | | | | |
| 38 | | | | | | | | |
| 39 | | | | | | | | |
| 40 | | | | | | | | |
| | | Average | | | 7.6 | | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L152.D Vial: 52
Acq On : 20 Aug 21 15:11 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 20 15:43 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 44177 | 2.50000 ppb | | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 21031 | 2.50000 ppb | | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 34047 | 2.50000 ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 53254 | 2.50000 ppb | | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 47401 | 2.50000 ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 53181 | 2.54644 ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 50.920% | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 75172 | 2.87024 ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 57.400% | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 108708 | 5.23084 ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 66189 | 5.41752 ppb | | 97 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 65685 | 5.27997 ppb | | 97 |
| 7) Acenaphthylene | 5.88 | 152 | 224829 | 5.61003 ppb | | 99 |
| 8) Acenaphthene | 6.07 | 154 | 55923 | 5.20273 ppb | | 90 |
| 9) Fluorene | 6.68 | 166 | 72221 | 5.46044 ppb | | 95 |
| 11) Phenanthrene | 7.79 | 178 | 97246 | 5.28405 ppb | | 98 |
| 12) Anthracene | 7.85 | 178 | 94398 | 5.63265 ppb | | 98 |
| 14) Fluoranthene | 9.17 | 202 | 167936 | 6.05273 ppb | | 93 |
| 16) Pyrene | 9.42 | 202 | 173149 | 5.51590 ppb | # | 87 |
| 17) Benz (a) anthracene | 10.85 | 228 | 149088 | 5.35139 ppb | | 96 |
| 18) Chrysene | 10.90 | 228 | 147345 | 5.07169 ppb | | 98 |
| 19) Indeno (1,2,3-cd) pyrene | 14.74 | 276 | 135187 | 4.96888 ppb | # | 94 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 123299 | 5.08197 ppb | | 98 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 153878 | 5.77158 ppb | | 98 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 125990 | 5.46440 ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 111670 | 5.21525 ppb | | 100 |
| 25) Benzo (g,h,i) perylene | 15.08 | 276 | 117897 | 5.09676 ppb | | 95 |

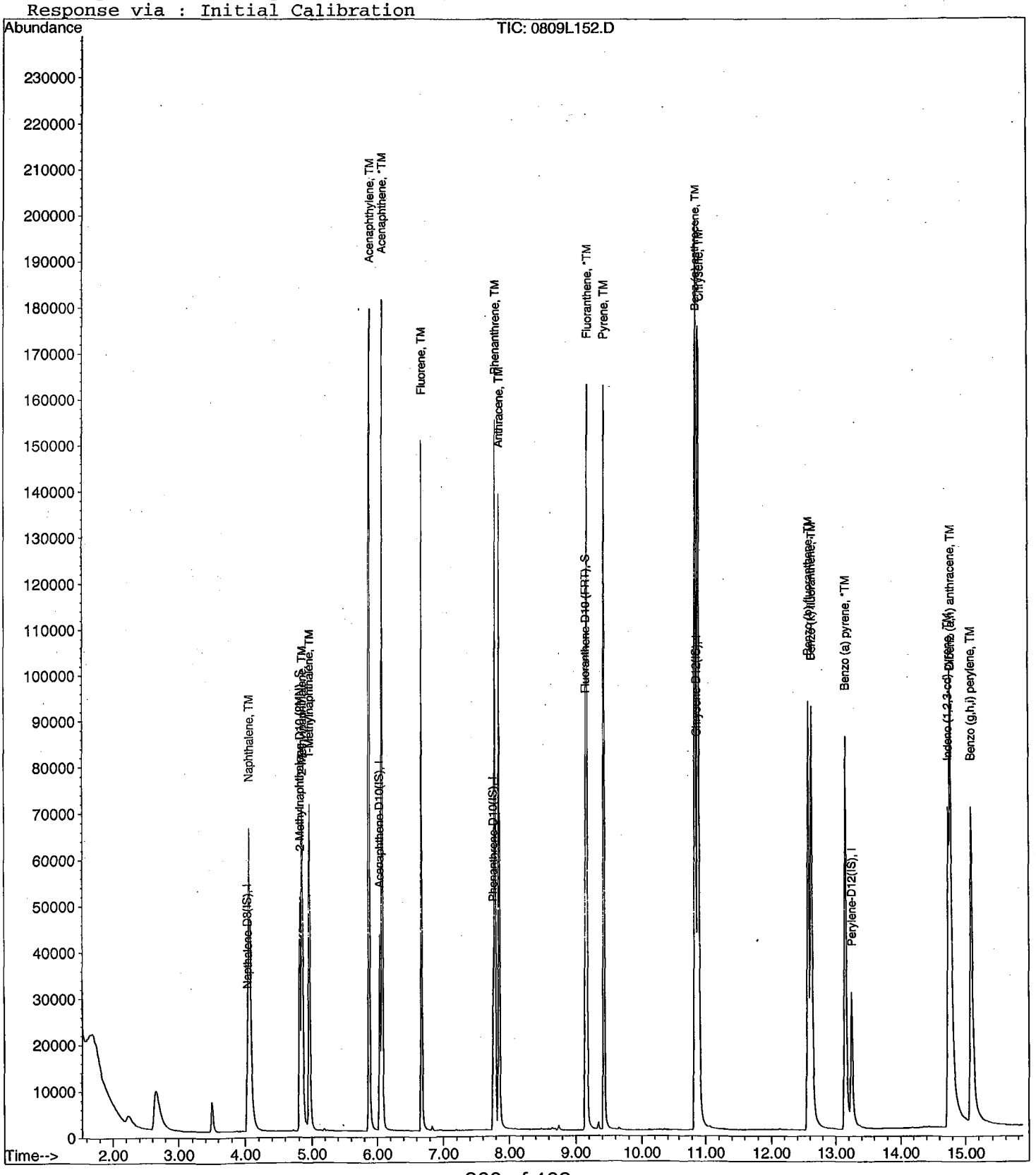
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L152.D Vial: 52
Acq On : 20 Aug 21 15:11 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 20 15:43 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 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: 8/24/2021
Instrument: Linus
Initial Cal. Date: 7/15/2021
Data File: 0809L190.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | |
| 2 | TM | Naphthalene | 1.176 | 1.142 | 2.9 | TM | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.182 | 1.230 | 4.1 | S | |
| 4 | TM | 2-Methylnaphthalene | 0.6914 | 0.6937 | 0.33 | TM | |
| 5 | TM | 1-Methylnaphthalene | 0.7040 | 0.6949 | 1.3 | TM | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | |
| 7 | TM | Acenaphthylene | 4.764 | 4.810 | 0.96 | TM | |
| 8 | *TM | Acenaphthene | 1.278 | 1.227 | 3.9 | *TM | |
| 9 | TM | Fluorene | 1.572 | 1.564 | 0.53 | TM | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | |
| 11 | TM | Phenanthrene | 1.351 | 1.374 | 1.7 | TM | |
| 12 | TM | Anthracene | 1.231 | 1.298 | 5.5 | TM | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.923 | 2.180 | 13 | S | |
| 14 | *TM | Fluoranthene | 2.037 | 2.242 | 10 | *TM | |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | |
| 16 | TM | Pyrene | 1.474 | 1.501 | 1.9 | TM | |
| 17 | TM | Benz (a) anthracene | 1.308 | 1.205 | 7.9 | TM | |
| 18 | TM | Chrysene | 1.364 | 1.360 | 0.29 | TM | |
| 19 | TM | Indeno (1,2,3-cd) pyrene | 1.277 | 1.132 | 11 | TM | |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | |
| 21 | TM | Benzo (b) fluoranthene | 1.280 | 1.200 | 6.2 | TM | |
| 22 | TM | Benzo (k) fluoranthene | 1.406 | 1.558 | 11 | TM | |
| 23 | *TM | Benzo (a) pyrene | 1.216 | 1.241 | 2.1 | *TM | |
| 24 | TM | Dibenz (a,h) anthracene | 1.129 | 1.081 | 4.3 | TM | |
| 25 | TM | Benzo (g,h,i) perylene | 1.220 | 1.155 | 5.3 | TM | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 4.7 | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L190.D Vial: 90
Acq On : 24 Aug 21 13:19 Operator: LS
Sample : 5 SIM 07/08/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 24 14:58 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 45789 | 2.50 | ppb | | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 21861 | 2.50 | ppb | | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 34396 | 2.50 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.86 | 240 | 52758 | 2.50 | ppb | | -0.01 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 45648 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 56316 | 2.60 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 52.040% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 74999 | 2.83 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 56.700% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 104602 | 4.86 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.84 | 142 | 63527 | 5.02 | ppb | | 98 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 63640 | 4.94 | ppb | | 97 |
| 7) Acenaphthylene | 5.88 | 152 | 210295 | 5.05 | ppb | | 99 |
| 8) Acenaphthene | 6.07 | 154 | 53666 | 4.80 | ppb | | 89 |
| 9) Fluorene | 6.68 | 166 | 68380 | 4.97 | ppb | | 95 |
| 11) Phenanthrene | 7.79 | 178 | 94532 | 5.08 | ppb | | 98 |
| 12) Anthracene | 7.85 | 178 | 89296 | 5.27 | ppb | | 97 |
| 14) Fluoranthene | 9.17 | 202 | 154253 | 5.50 | ppb | | 92 |
| 16) Pyrene | 9.42 | 202 | 158389 | 5.09 | ppb | # | 89 |
| 17) Benz (a) anthracene | 10.85 | 228 | 127119 | 4.61 | ppb | | 97 |
| 18) Chrysene | 10.89 | 228 | 143485 | 4.99 | ppb | # | 95 |
| 19) Indeno (1,2,3-cd) pyrene | 14.75 | 276 | 119475 | 4.43 | ppb | | 92 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 109546 | 4.69 | ppb | | 98 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 142217 | 5.54 | ppb | | 98 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 113315 | 5.10 | ppb | | 99 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 98717 | 4.79 | ppb | | 98 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 105464 | 4.73 | ppb | | 98 |

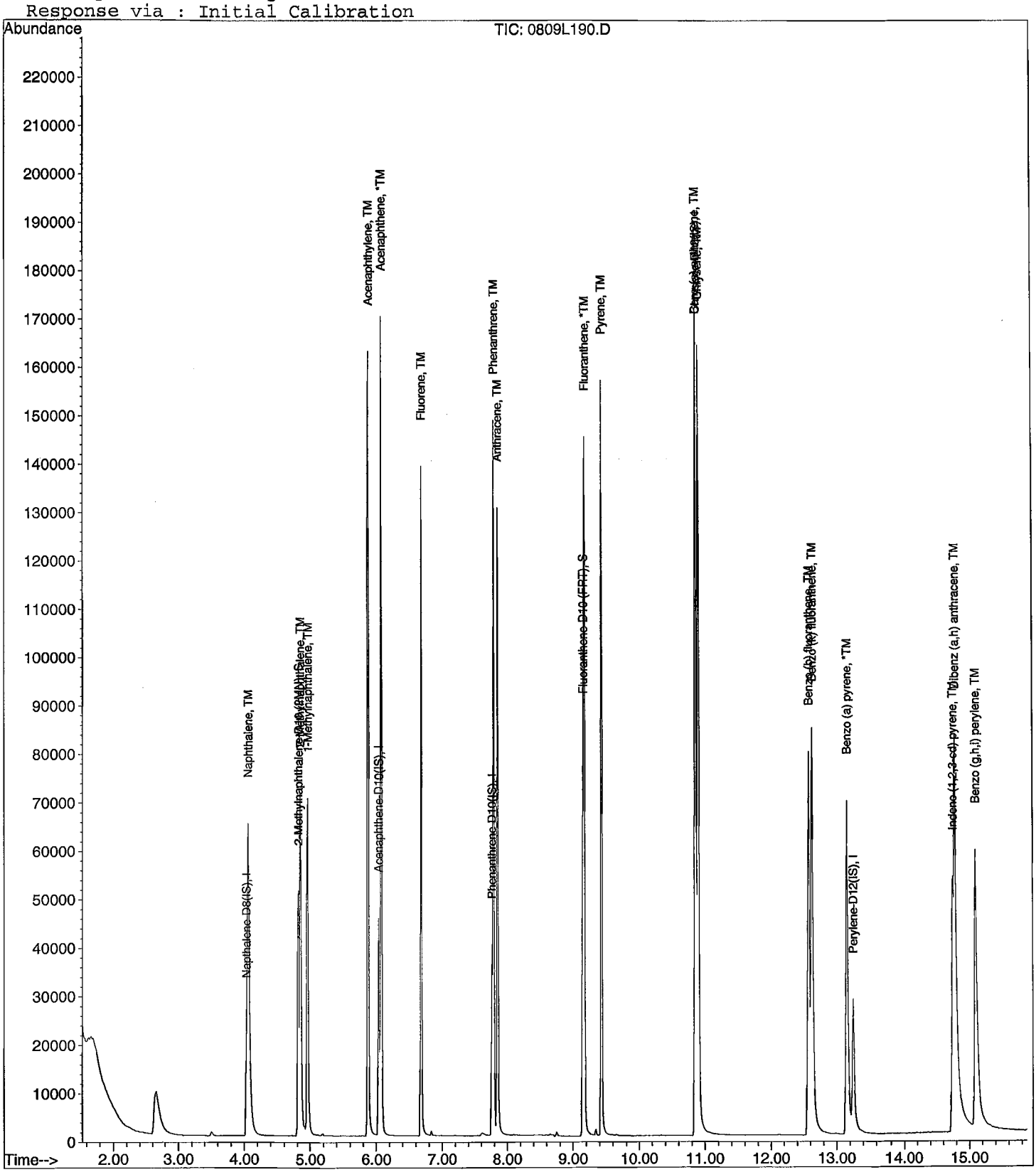
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L190.D Vial: 90
Acq On : 24 Aug 21 13:19 Operator: LS
Sample : 5 SIM 07/08/21 (2) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 24 14:58 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 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: 8/24/2021
Instrument: Linus
Initial Cal. Date: 7/15/2021
Data File: 0809L210.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Napthalene-D8(IS) | ISTD | | | I | |
| 2 | TM | Naphthalene | 1.176 | 1.220 | 3.7 | TM | |
| 3 | S | 2-Methylnaphthalene-D10 (2MN) | 1.182 | 1.194 | 0.98 | S | |
| 4 | TM | 2-Methylnaphthalene | 0.6914 | 0.7467 | 8.0 | TM | |
| 5 | TM | 1-Methylnaphthalene | 0.7040 | 0.7485 | 6.3 | TM | |
| 6 | I | Acenaphthene-D10(IS) | ISTD | | | I | |
| 7 | TM | Acenaphthylene | 4.764 | 5.354 | 12 | TM | |
| 8 | *TM | Acenaphthene | 1.278 | 1.345 | 5.3 | *TM | |
| 9 | TM | Fluorene | 1.572 | 1.743 | 11 | TM | |
| 10 | I | Phenanthrene-D10(IS) | ISTD | | | I | |
| 11 | TM | Phenanthrene | 1.351 | 1.490 | 10 | TM | |
| 12 | TM | Anthracene | 1.231 | 1.428 | 16 | TM | |
| 13 | S | Fluoranthene-D10 (FRT) | 1.923 | 2.210 | 15 | S | |
| 14 | *TM | Fluoranthene | 2.037 | 2.521 | 24 | *TM | |
| 15 | I | Chrysene-D12(IS) | ISTD | | | I | |
| 16 | TM | Pyrene | 1.474 | 1.606 | 9.0 | TM | |
| 17 | TM | Benz (a) anthracene | 1.308 | 1.399 | 7.0 | TM | |
| 18 | TM | Chrysene | 1.364 | 1.394 | 2.2 | TM | |
| 19 | TM | Indeno (1,2,3-cd) pyrene | 1.277 | 1.249 | 2.2 | TM | |
| 20 | I | Perylene-D12(IS) | ISTD | | | I | |
| 21 | TM | Benzo (b) fluoranthene | 1.280 | 1.291 | 0.92 | TM | |
| 22 | TM | Benzo (k) fluoranthene | 1.406 | 1.646 | 17 | TM | |
| 23 | *TM | Benzo (a) pyrene | 1.216 | 1.326 | 9.0 | *TM | |
| 24 | TM | Dibenz (a,h) anthracene | 1.129 | 1.164 | 3.1 | TM | |
| 25 | TM | Benzo (g,h,i) perylene | 1.220 | 1.221 | 0.08 | TM | |
| 26 | | | | | | | |
| 27 | | | | | | | |
| 28 | | | | | | | |
| 29 | | | | | | | |
| 30 | | | | | | | |
| 31 | | | | | | | |
| 32 | | | | | | | |
| 33 | | | | | | | |
| 34 | | | | | | | |
| 35 | | | | | | | |
| 36 | | | | | | | |
| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 8.1 | | |

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L210.D Vial: 10
Acq On : 24 Aug 21 20:43 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 25 8:09 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 42895 | 2.50 | ppb | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 20246 | 2.50 | ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 32343 | 2.50 | ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 51222 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 45309 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 51195 | 2.52 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 50.500% | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 71477 | 2.87 | ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 57.460% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 104654 | 5.19 | ppb | 99 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 64058 | 5.40 | ppb | 96 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 64210 | 5.32 | ppb | 98 |
| 7) Acenaphthylene | 5.88 | 152 | 216801 | 5.62 | ppb | 99 |
| 8) Acenaphthene | 6.07 | 154 | 54458 | 5.26 | ppb | 89 |
| 9) Fluorene | 6.68 | 166 | 70563 | 5.54 | ppb | 95 |
| 11) Phenanthrene | 7.79 | 178 | 96409 | 5.51 | ppb | 98 |
| 12) Anthracene | 7.85 | 178 | 92381 | 5.80 | ppb | 98 |
| 14) Fluoranthene | 9.17 | 202 | 163062 | 6.19 | ppb | 92 |
| 16) Pyrene | 9.43 | 202 | 164522 | 5.45 | ppb | 96 |
| 17) Benz (a) anthracene | 10.85 | 228 | 143364 | 5.35 | ppb | 95 |
| 18) Chrysene | 10.90 | 228 | 142779 | 5.11 | ppb | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.75 | 276 | 127939 | 4.89 | ppb | 94 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 117021 | 5.05 | ppb | 98 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 149158 | 5.85 | ppb | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 120116 | 5.45 | ppb | 99 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 105469 | 5.15 | ppb | 98 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 110639 | 5.00 | ppb | 99 |

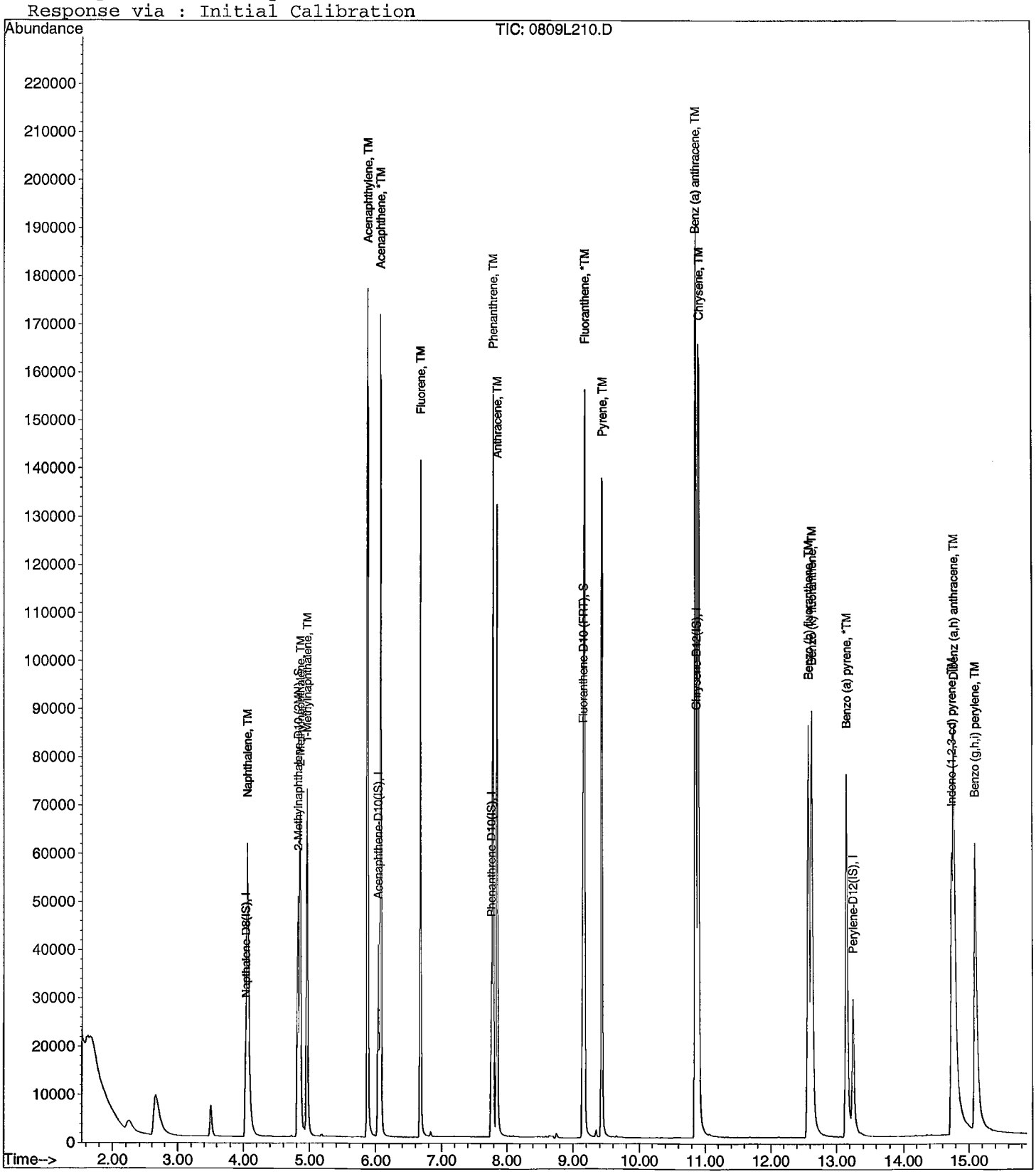
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L210.D Vial: 10
Acq On : 24 Aug 21 20:43 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 25 8:09 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration



# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L148.D Vial: 48
Acq On : 20 Aug 21 13:42 Operator: LS
Sample : BA37730W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:07 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 32556 | 2.50 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 16861 | 2.50 ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 29332 | 2.50 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 45835 | 2.50 ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 41438 | 2.50 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 66406 | 5.08 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 86.292% | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 87479 | 4.56 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 77.537% | |
| **Target Compounds** | | | | | Qvalue |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 689 | 0.09 ppb | 89 |

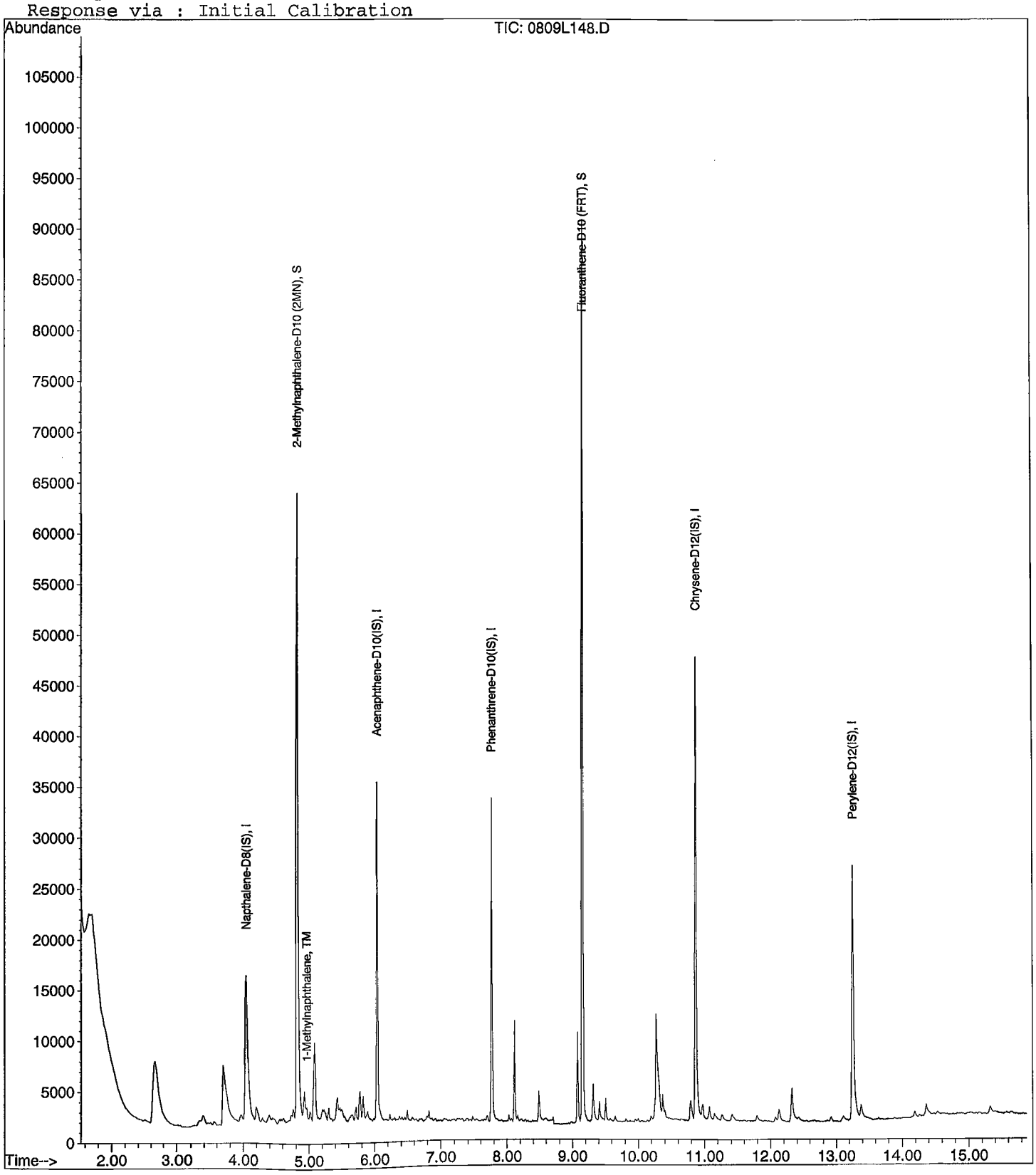
(#) = qualifier out of range (m) = manual integration
0809L148.D L0715.M Wed Sep 22 08:22:56 2021

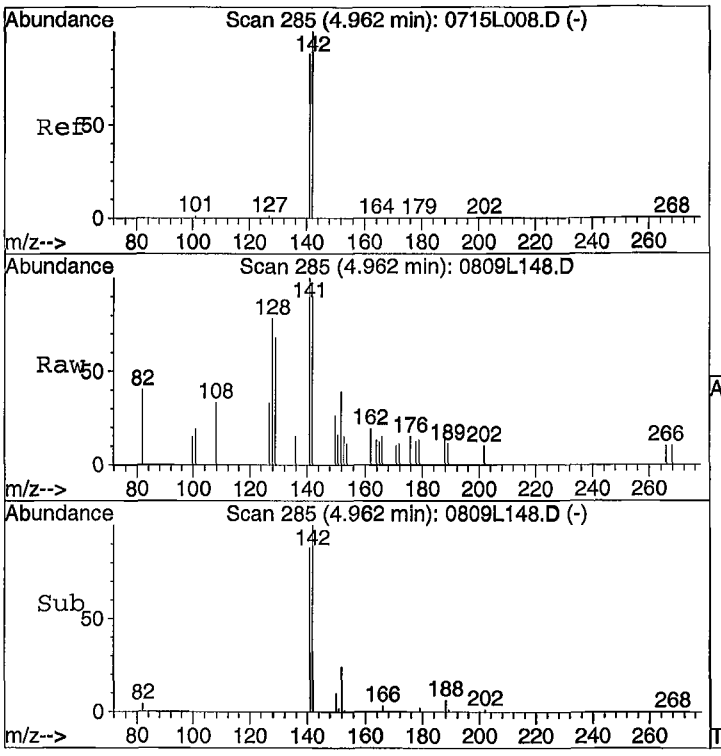
Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L148.D Vial: 48
Acq On : 20 Aug 21 13:42 Operator: LS
Sample : BA37730W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:07 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

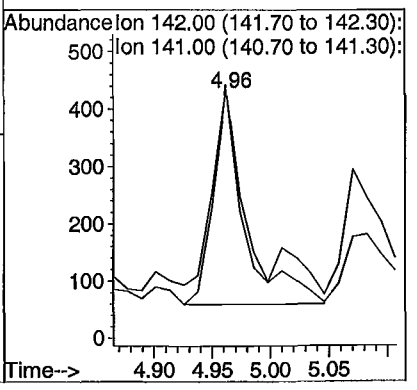





#5
1-Methylnaphthalene
Concen: 0.09 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0809L148.D
Acq: 20 Aug 21 13:42

Tgt Ion:142 Resp: 689

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 98.6 | 61.7 | 114.5 |



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L149.D Vial: 49
Acq On : 20 Aug 21 14:04 Operator: LS
Sample : BA37733W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:08 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 30537 | 2.50 ppb | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 16693 | 2.50 ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 28920 | 2.50 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 43368 | 2.50 ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 39057 | 2.50 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 74517 | 6.07 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 103.241% | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 72794 | 3.85 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 65.450% | |
| **Target Compounds** | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 820413 | 67.19 ppb | 98 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 186869 | 26.03 ppb | 97 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 234600 | 32.10 ppb | 98 |

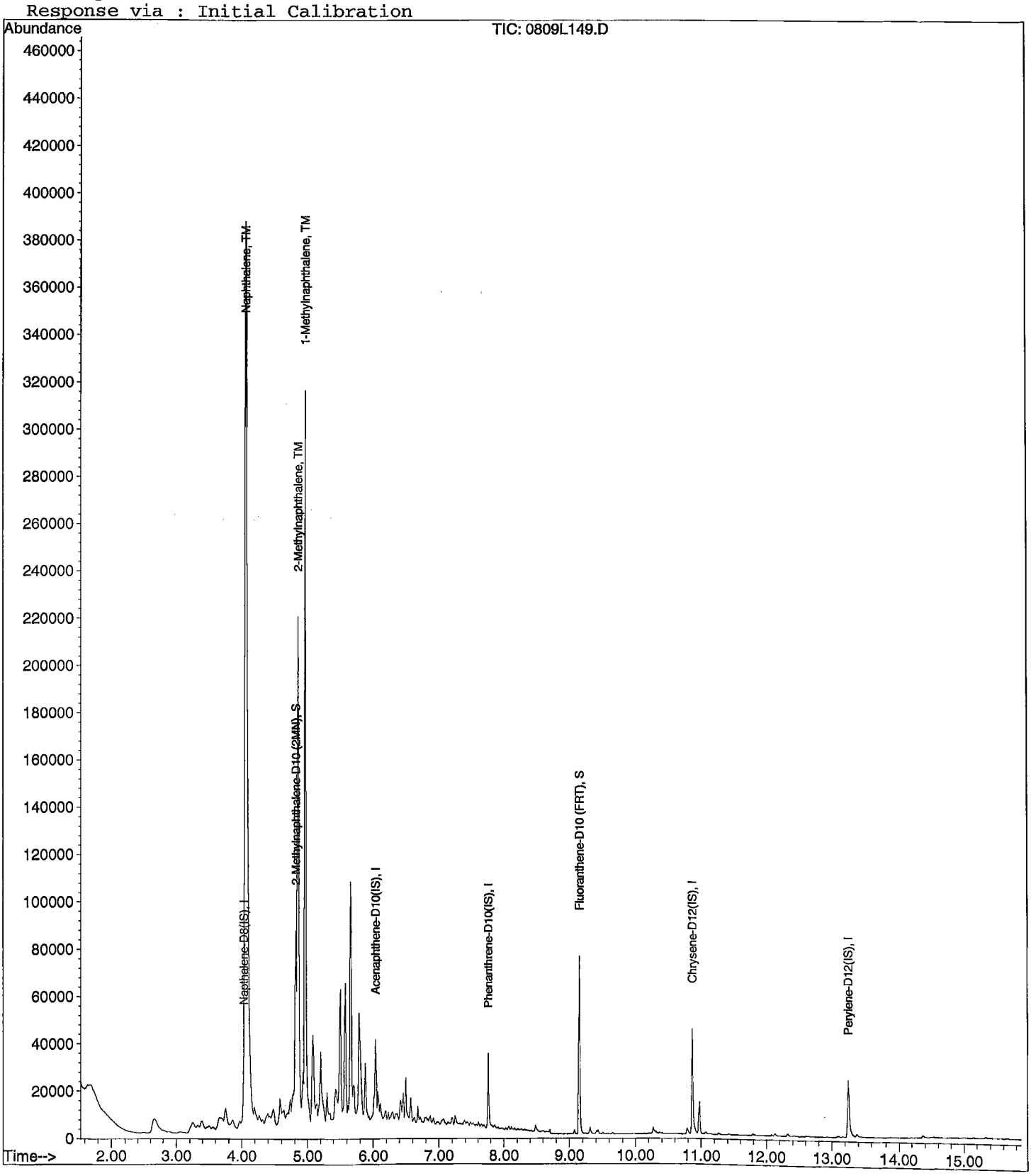
(#) = qualifier out of range (m) = manual integration

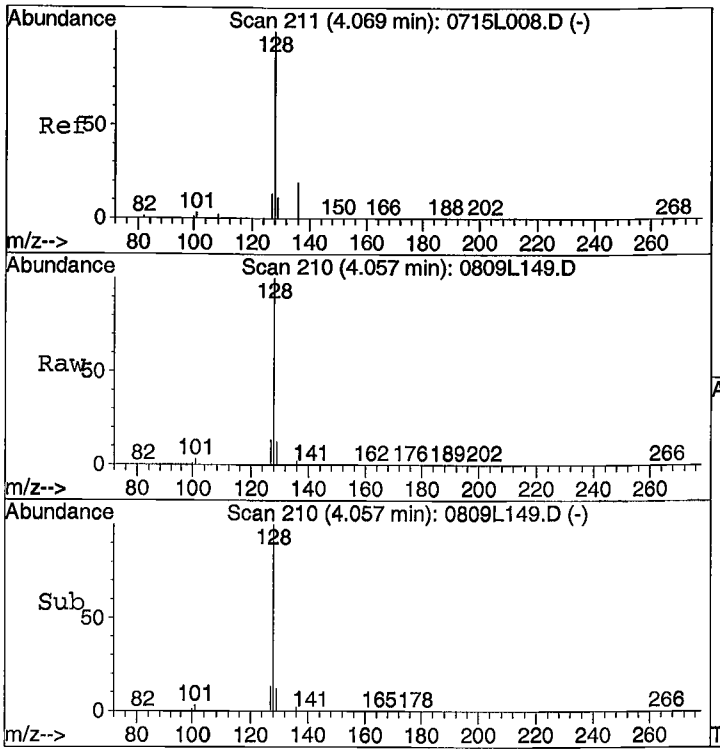
Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L149.D Vial: 49
Acq On : 20 Aug 21 14:04 Operator: LS
Sample : BA37733W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:08 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

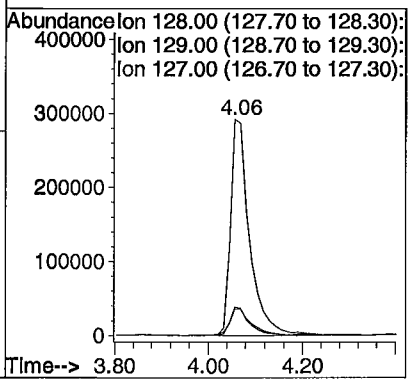


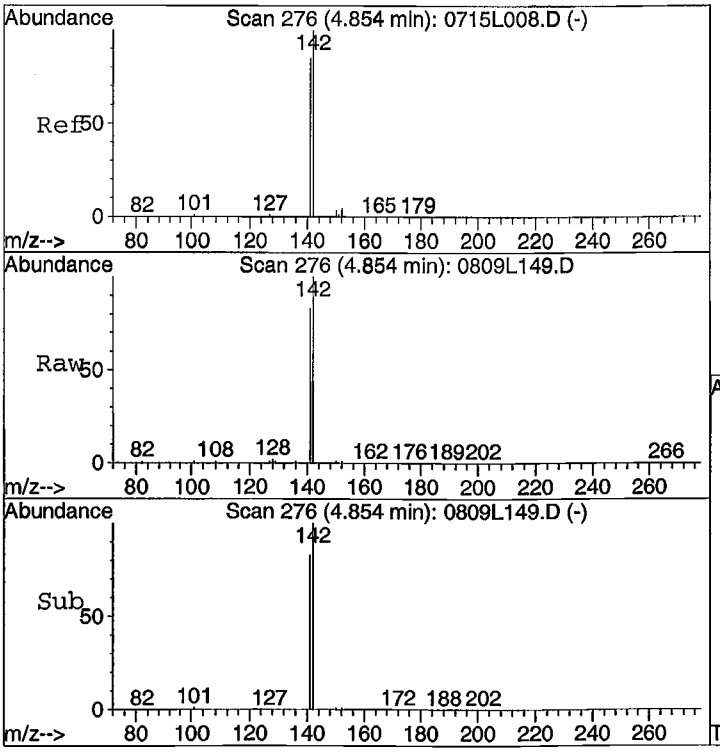



#2
Naphthalene
Concen: 67.19 ppb
RT: 4.06 min Scan# 210
Delta R.T. -0.01 min
Lab File: 0809L149.D
Acq: 20 Aug 21 14:04

Tgt Ion:128 Resp: 820413

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 128 | 100 | | |
| 129 | 12.2 | 7.6 | 14.2 |
| 127 | 13.1 | 8.9 | 16.5 |

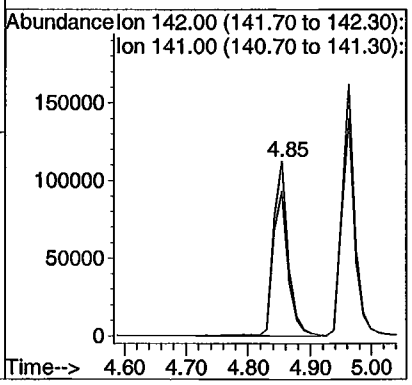


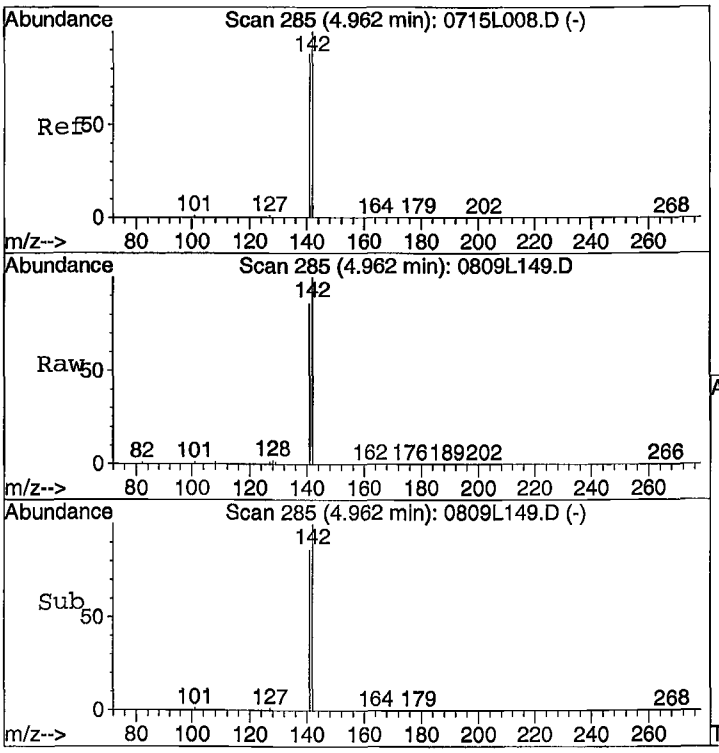




#4
2-Methylnaphthalene
Concen: 26.03 ppb
RT: 4.85 min Scan# 276
Delta R.T. 0.00 min
Lab File: 0809L149.D
Acq: 20 Aug 21 14:04

Tgt Ion:142 Resp: 186869

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 82.8 | 59.9 | 111.2 |

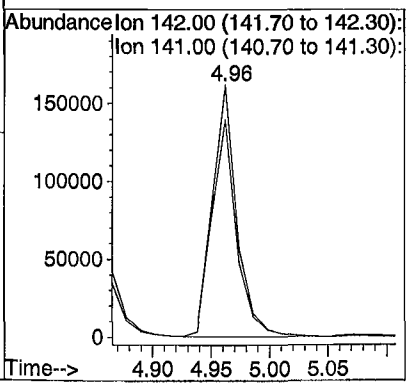





#5
1-Methylnaphthalene
Concen: 32.10 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0809L149.D
Acq: 20 Aug 21 14:04

Tgt Ion:142 Resp: 234600

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 142 | 100 | | |
| 141 | 86.3 | 61.7 | 114.5 |



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L150.D Vial: 50
Acq On : 20 Aug 21 14:26 Operator: LS
Sample : BA37736W05 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:09 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 28911 | 2.50 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 14804 | 2.50 ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 28228 | 2.50 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 44620 | 2.50 ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 41231 | 2.50 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 61932 | 5.33 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 90.627% | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 44613 | 2.42 ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = | 41.089% | |
| **Target Compounds** | | | | | Qvalue |

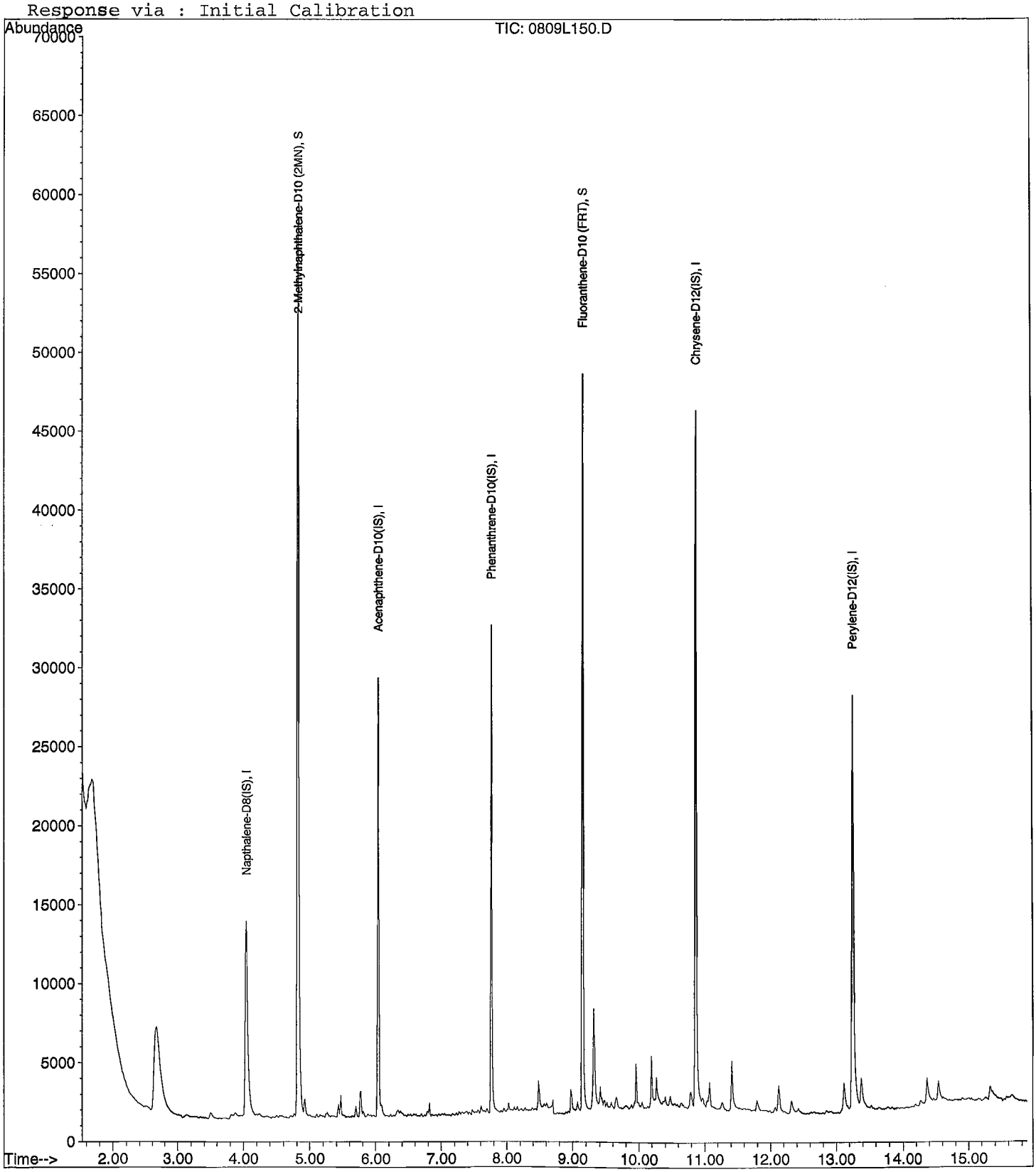
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L150.D Vial: 50
Acq On : 20 Aug 21 14:26 Operator: LS
Sample : BA37736W05 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:09 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L151.D Vial: 51
Acq On : 20 Aug 21 14:48 Operator: LS
Sample : BA37739W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:09 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 29757 | 2.50 | ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 14826 | 2.50 | ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 27736 | 2.50 | ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 45078 | 2.50 | ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 40748 | 2.50 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 68955 | 5.77 | ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = 98.039% | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 103158 | 5.69 | ppb | 0.00 |
| Spiked Amount 5.882 | | | Recovery = 96.696% | | | |

Target Compounds Qvalue

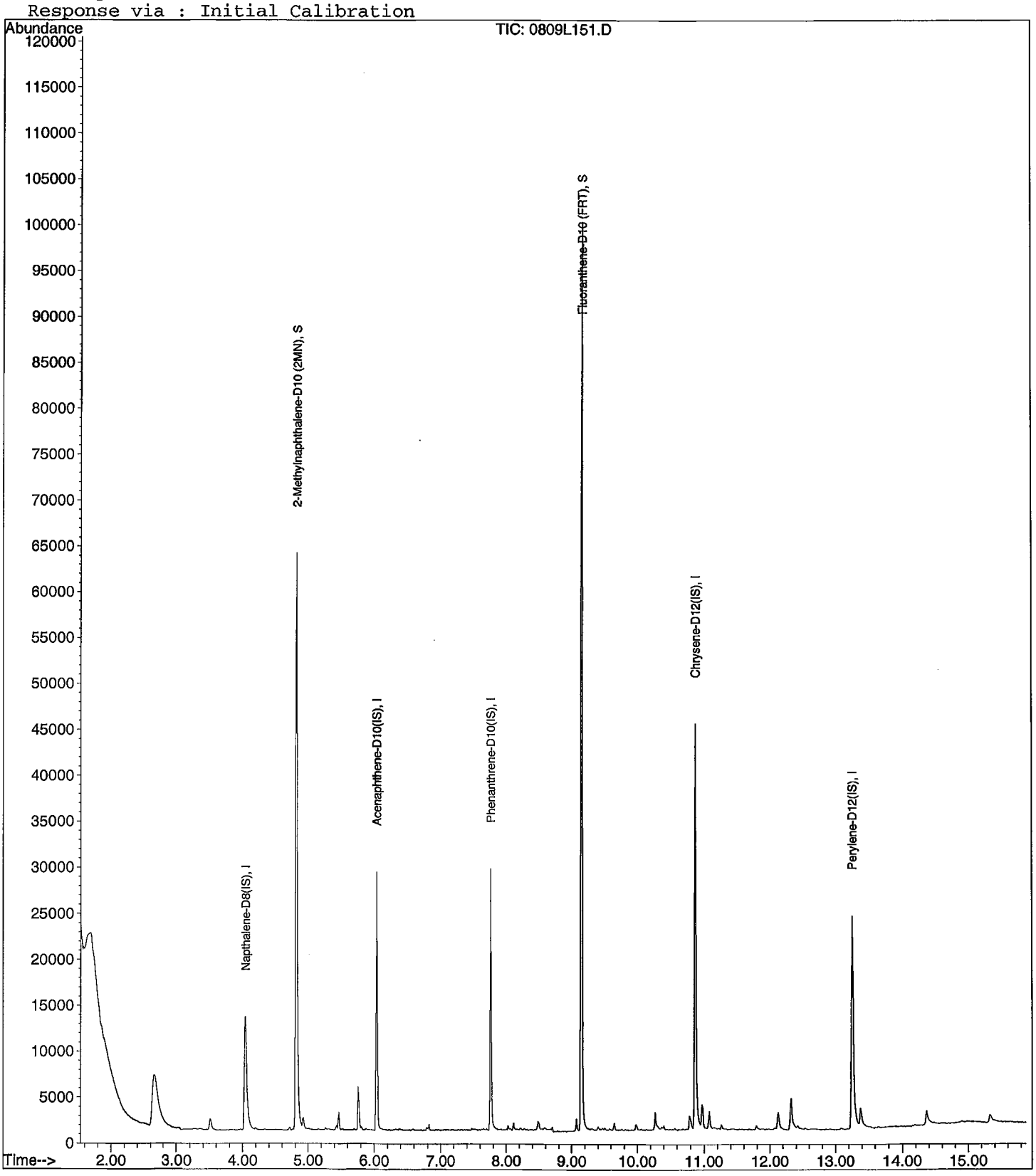
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L151.D Vial: 51
Acq On : 20 Aug 21 14:48 Operator: LS
Sample : BA37739W06 1/850 Inst : Linus
Misc : Multiplr: 1.18

Quant Time: Aug 23 11:09 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L145.D Vial: 45
Acq On : 20 Aug 21 12:35 Operator: LS
Sample : 210817A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 23 11:02 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.05 | 136 | 26420 | 2.50 ppb | 0.00 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 13009 | 2.50 ppb | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 25929 | 2.50 ppb | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 41666 | 2.50 ppb | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 37263 | 2.50 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 58871 | 4.71 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 94.260% | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 94294 | 4.73 ppb | 0.00 |
| Spiked Amount 5.000 | | | Recovery = | 94.560% | |
| **Target Compounds** | | | | | Qvalue |

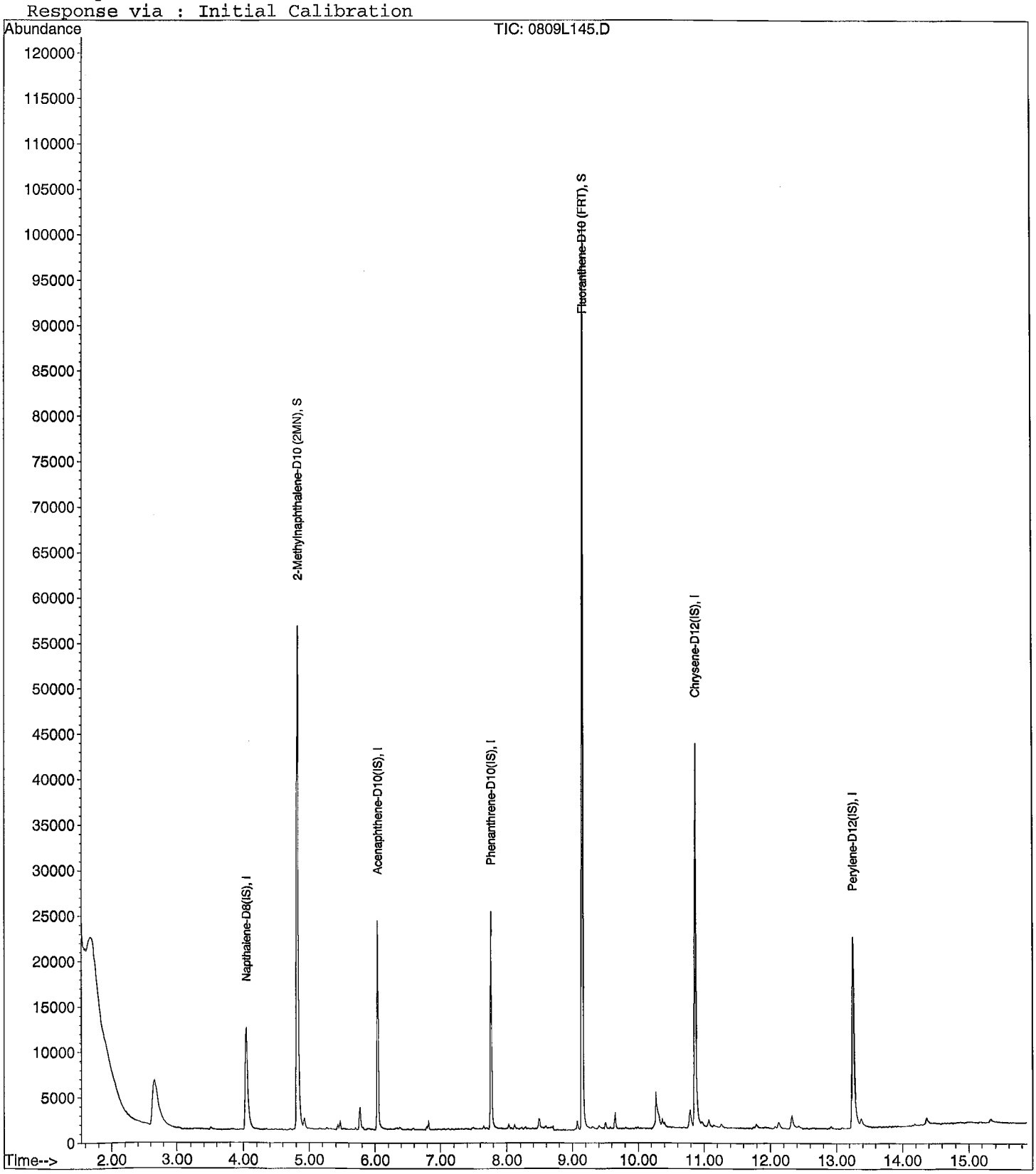
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L145.D Vial: 45
Acq On : 20 Aug 21 12:35 Operator: LS
Sample : 210817A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 23 11:02 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L146.D Vial: 46
Acq On : 20 Aug 21 12:58 Operator: LS
Sample : 210817A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 23 9:24 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 25942 | 2.50 | ppb | | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 13020 | 2.50 | ppb | | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 24652 | 2.50 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.87 | 240 | 39111 | 2.50 | ppb | | 0.00 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 35493 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.82 | 152 | 66896 | 5.45 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 109.100% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 101750 | 5.37 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 107.320% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 68316 | 5.60 | ppb | | 100 |
| 4) 2-Methylnaphthalene | 4.85 | 142 | 40593 | 5.66 | ppb | | 97 |
| 5) 1-Methylnaphthalene | 4.96 | 142 | 40826 | 5.59 | ppb | | 98 |
| 7) Acenaphthylene | 5.88 | 152 | 143396 | 5.78 | ppb | | 99 |
| 8) Acenaphthene | 6.07 | 154 | 35565 | 5.34 | ppb | | 86 |
| 9) Fluorene | 6.68 | 166 | 46222 | 5.64 | ppb | | 92 |
| 11) Phenanthrene | 7.79 | 178 | 64761 | 4.86 | ppb | | 98 |
| 12) Anthracene | 7.85 | 178 | 61476 | 5.07 | ppb | | 97 |
| 14) Fluoranthene | 9.17 | 202 | 111963 | 5.57 | ppb | | 92 |
| 16) Pyrene | 9.42 | 202 | 114559 | 4.97 | ppb | # | 86 |
| 17) Benz (a) anthracene | 10.85 | 228 | 101035 | 4.94 | ppb | | 95 |
| 18) Chrysene | 10.90 | 228 | 100016 | 4.69 | ppb | | 99 |
| 19) Indeno (1,2,3-cd) pyrene | 14.75 | 276 | 89343 | 4.47 | ppb | # | 92 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 89640 | 4.93 | ppb | | 99 |
| 22) Benzo (k) fluoranthene | 12.63 | 252 | 95214 | 4.77 | ppb | | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 83162 | 4.82 | ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 73614 | 4.59 | ppb | | 96 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 77126 | 4.45 | ppb | | 98 |

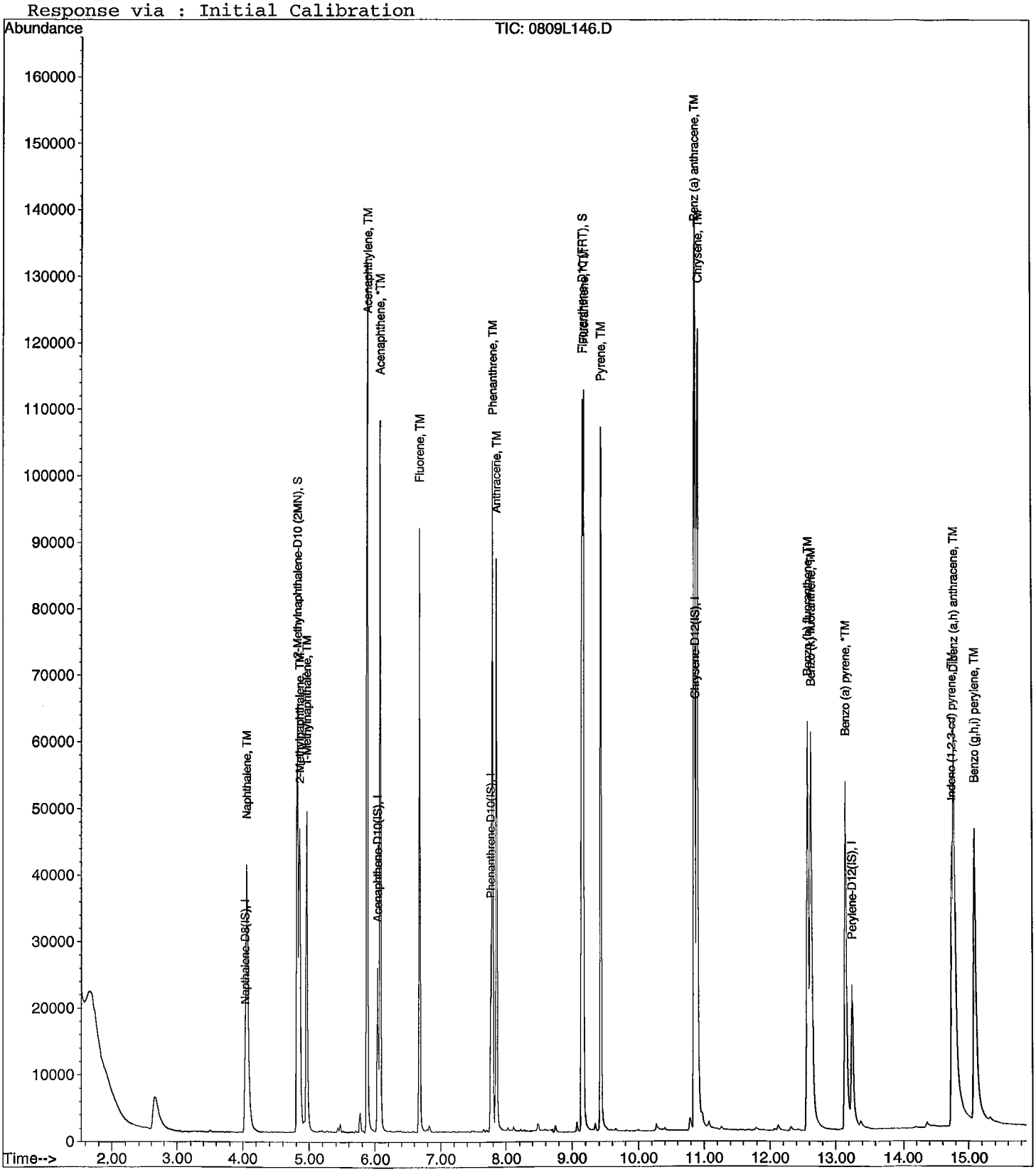
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L146.D Vial: 46
Acq On : 20 Aug 21 12:58 Operator: LS
Sample : 210817A LCS-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 23 9:24 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210809\0809L191.D Vial: 91
Acq On : 24 Aug 21 13:42 Operator: LS
Sample : 210817A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 24 15:04 2021 Quant Results File: L0715.RES

Quant Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Wed Aug 18 17:06:06 2021
Response via : Initial Calibration
DataAcq Meth : SIM_2

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) Napthalene-D8(IS) | 4.03 | 136 | 24389 | 2.50 | ppb | | -0.01 |
| 6) Acenaphthene-D10(IS) | 6.04 | 164 | 13934 | 2.50 | ppb | | -0.01 |
| 10) Phenanthrene-D10(IS) | 7.76 | 188 | 24627 | 2.50 | ppb | | 0.00 |
| 15) Chrysene-D12(IS) | 10.86 | 240 | 37536 | 2.50 | ppb | | -0.01 |
| 20) Perylene-D12(IS) | 13.25 | 264 | 33204 | 2.50 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 3) 2-Methylnaphthalene-D10 (2 | 4.81 | 152 | 61080 | 5.30 | ppb | | -0.01 |
| Spiked Amount 5.000 | | | Recovery = 105.960% | | | | |
| 13) Fluoranthene-D10 (FRT) | 9.15 | 212 | 89739 | 4.74 | ppb | | 0.00 |
| Spiked Amount 5.000 | | | Recovery = 94.740% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Naphthalene | 4.06 | 128 | 62995 | 5.49 | ppb | | 99 |
| 4) 2-Methylnaphthalene | 4.84 | 142 | 37984 | 5.63 | ppb | | 100 |
| 5) 1-Methylnaphthalene | 4.95 | 142 | 38466 | 5.60 | ppb | | 97 |
| 7) Acenaphthylene | 5.87 | 152 | 131675 | 4.96 | ppb | | 98 |
| 8) Acenaphthene | 6.07 | 154 | 33391 | 4.69 | ppb | | 91 |
| 9) Fluorene | 6.68 | 166 | 43491 | 4.96 | ppb | | 96 |
| 11) Phenanthrene | 7.79 | 178 | 60358 | 4.53 | ppb | | 98 |
| 12) Anthracene | 7.85 | 178 | 56297 | 4.64 | ppb | | 98 |
| 14) Fluoranthene | 9.17 | 202 | 101805 | 5.07 | ppb | # | 90 |
| 16) Pyrene | 9.42 | 202 | 104130 | 4.71 | ppb | | 92 |
| 17) Benz (a) anthracene | 10.85 | 228 | 86780 | 4.42 | ppb | | 97 |
| 18) Chrysene | 10.89 | 228 | 95461 | 4.66 | ppb | # | 96 |
| 19) Indeno (1,2,3-cd) pyrene | 14.74 | 276 | 79000 | 4.12 | ppb | | 91 |
| 21) Benzo (b) fluoranthene | 12.57 | 252 | 74631 | 4.39 | ppb | | 97 |
| 22) Benzo (k) fluoranthene | 12.62 | 252 | 95013 | 5.09 | ppb | | 99 |
| 23) Benzo (a) pyrene | 13.15 | 252 | 74307 | 4.60 | ppb | | 100 |
| 24) Dibenz (a,h) anthracene | 14.78 | 278 | 64964 | 4.33 | ppb | | 98 |
| 25) Benzo (g,h,i) perylene | 15.10 | 276 | 68994 | 4.26 | ppb | | 97 |

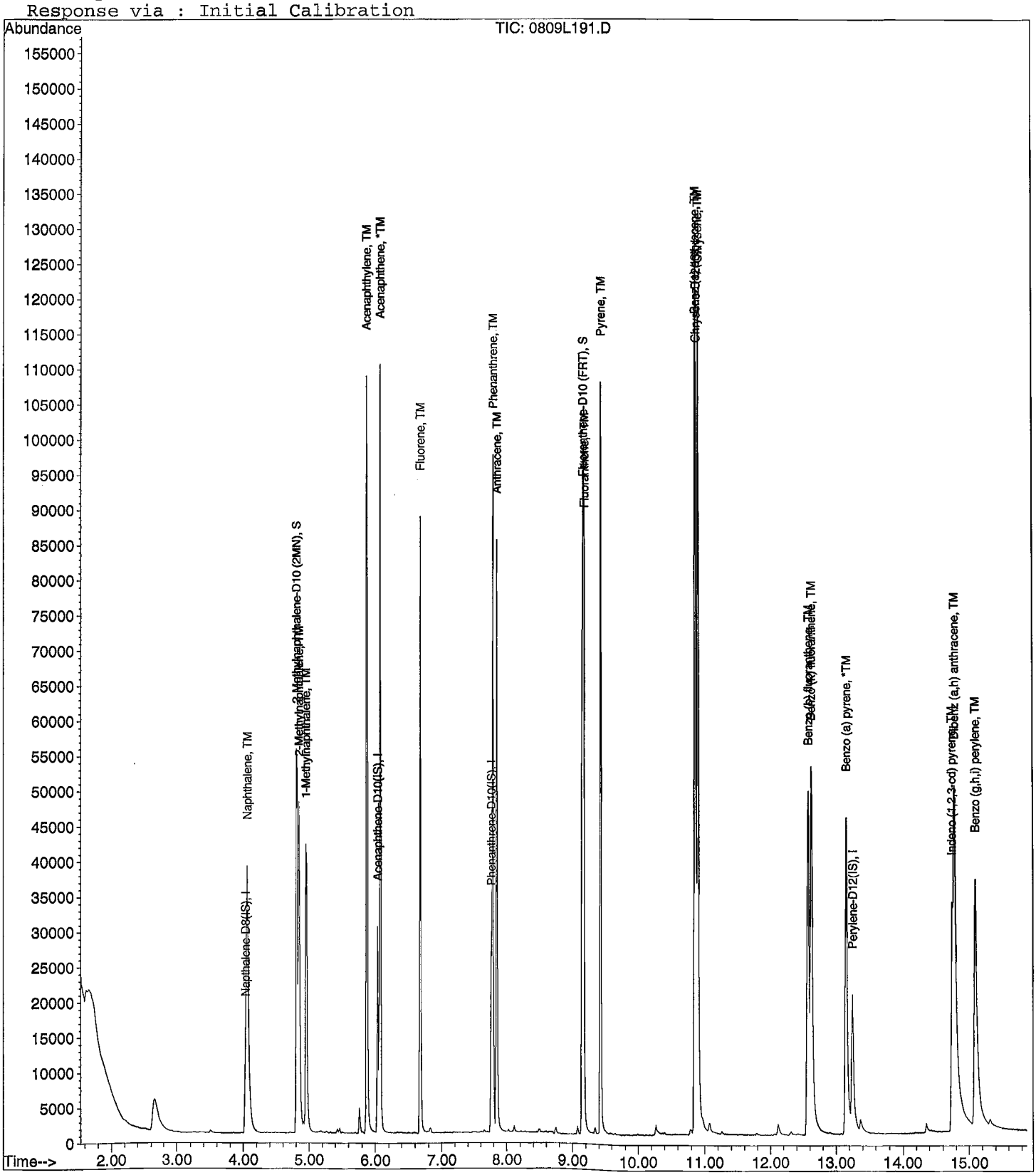
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L191.D Vial: 91
Acq On : 24 Aug 21 13:42 Operator: LS
Sample : 210817A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 24 15:04 2021 Quant Results File: L0715.RES

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

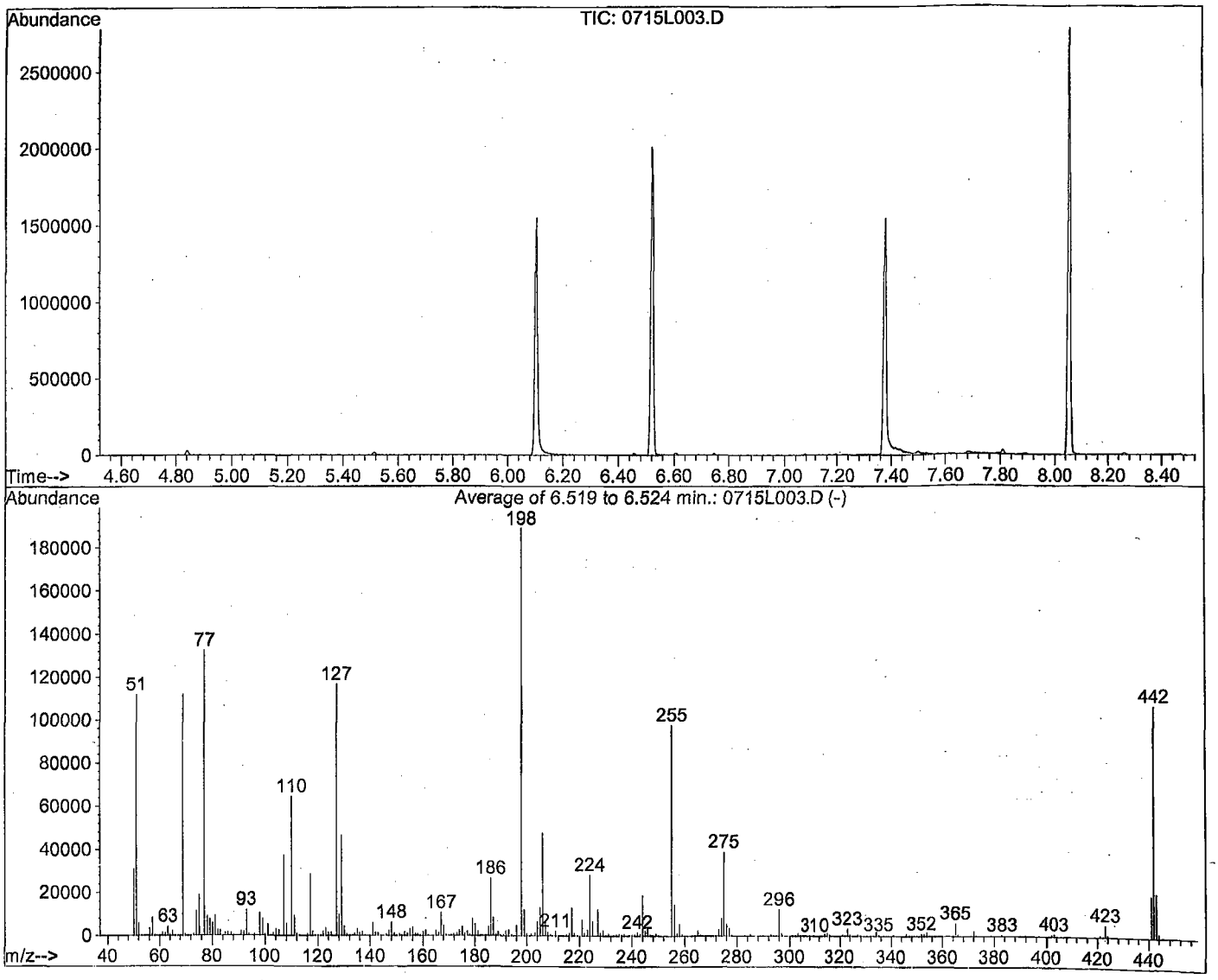


DFTPP

Data File : M:\LINUS\DATA\L210715\0715L003.D
Acq On : 15 Jul 21 8:48
Sample : SV TUNE 7/2/21
Misc :

Vial: 3
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210715\L0324.M (RTE Integrator)
Title : EPA 8270




AutoFind: Scans 1580, 1581, 1582; Background Corrected with Scan 1572

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 59.2 | 111892 | PASS |
| 68 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 70 | 69 | 0.00 | 2 | 0.5 | 615 | PASS |
| 127 | 198 | 10 | 80 | 61.7 | 116643 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 188928 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 12463 | PASS |
| 275 | 198 | 10 | 60 | 20.7 | 39029 | PASS |
| 365 | 198 | 1 | 100 | 3.2 | 6011 | PASS |
| 441 | 442 | 0.01 | 24 | 17.9 | 19195 | PASS |
| 442 | 198 | 50 | 500 | 56.6 | 107027 | PASS |
| 443 | 442 | 15 | 24 | 19.1 | 20450 | PASS |

| | |
|---|---|
| Data File Name: | **0715L003.D** |
| Data File Path: | **M:\LINUS\DATA\L210715** |
| Operator: | **LS** |
| Date Acquired: | **15 Jul 2021 08:48** |
| Method File: | **DFTPP2.M** |
| Sample Name: | **SV TUNE 7/2/21** |
| Vial Number: | **3** |
| Instrument Name: | **Linus** |

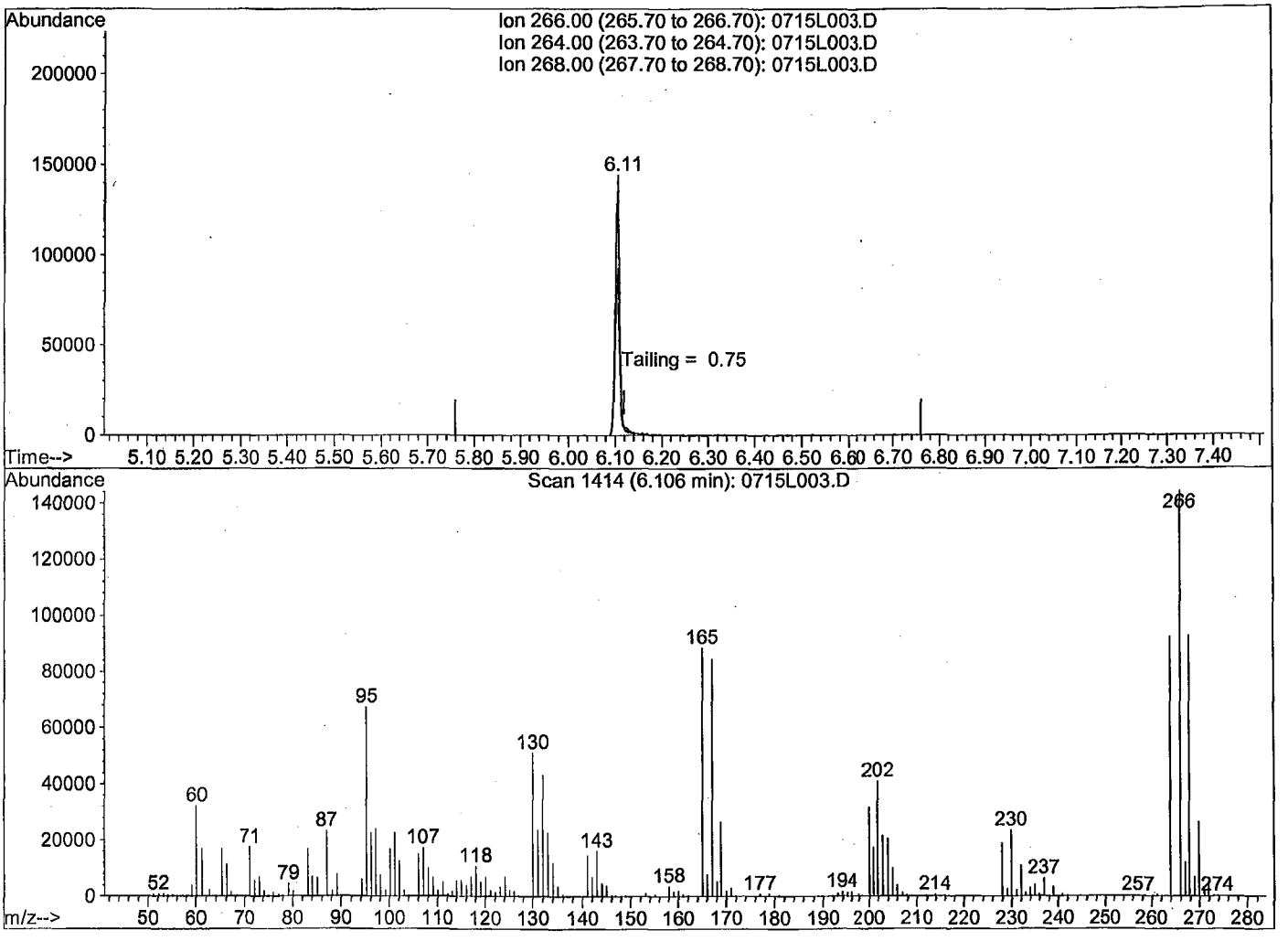
| # | Name | Ret Time | Target Response |
|---|---|---|---|
| 1) | DDT | 8.08 | 19115000 |
| 2) | DDD | 7.83 | 189890 |
| 3) | DDE | 7.55 | 0 |

Breakdown **0.98**

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L003.D Vial: 3
Acq On : 15 Jul 21 8:48 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 8:58 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration




TIC: 0715L003.D

(5) Pentachlorophenol

6.11min 0.0000

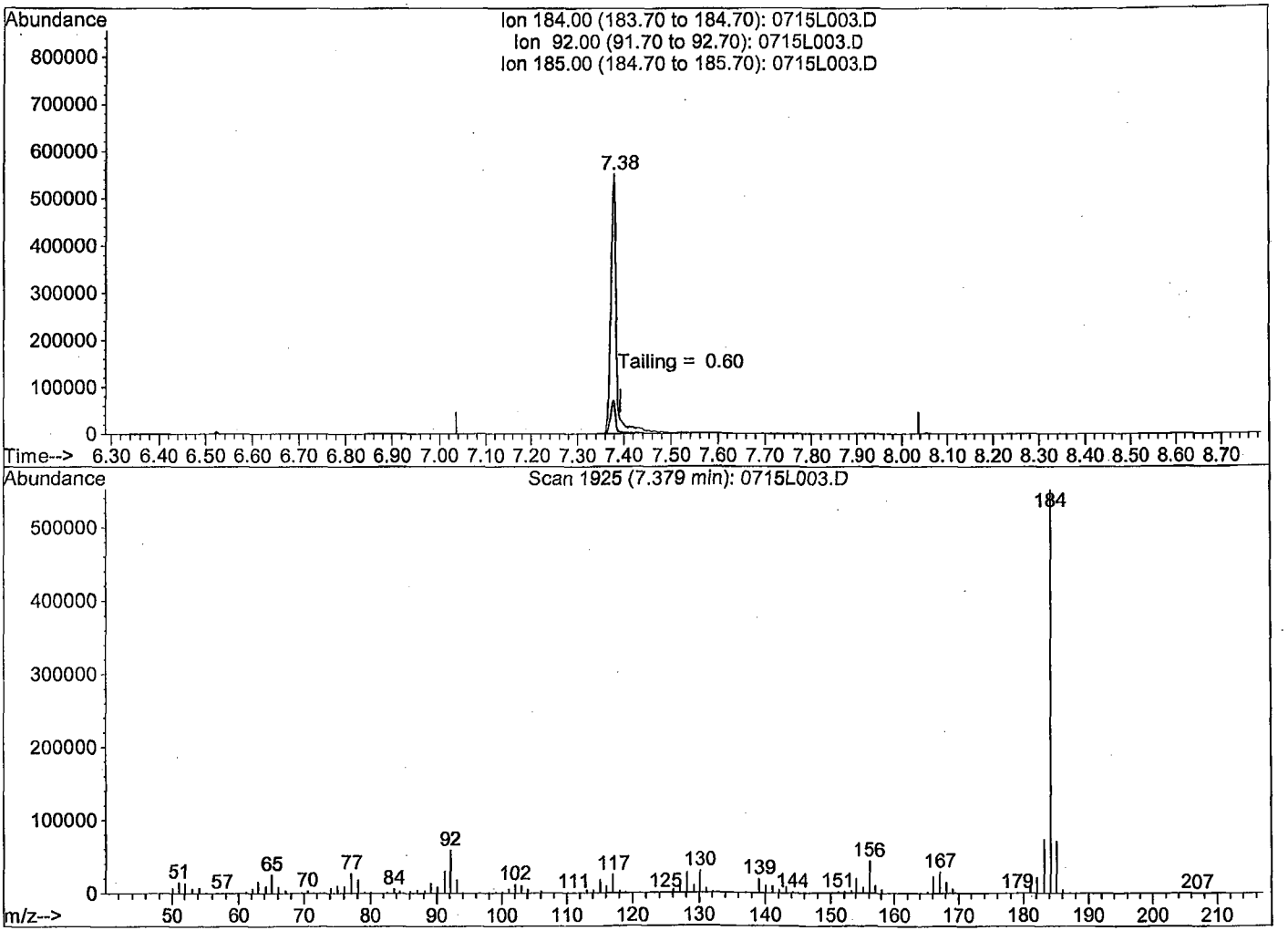
response 965084

| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 264.00 | 60.60 | 66.64 |
| 268.00 | 65.30 | 65.09 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L003.D Vial: 3
Acq On : 15 Jul 21 8:48 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Jul 15 8:58 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210715\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration




TIC: 0715L003.D

(6) Benzidine

7.38min 0.0000

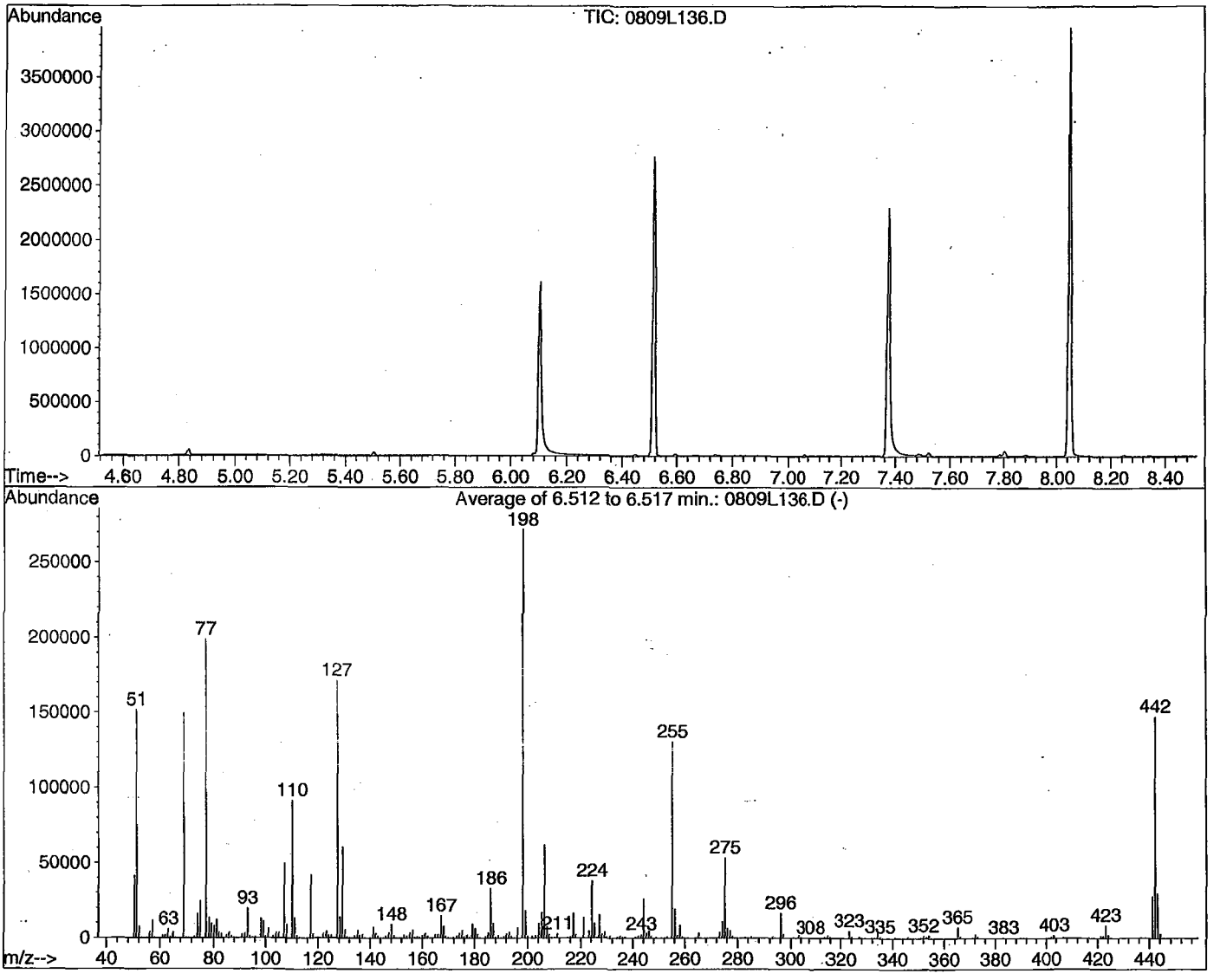
response 4007933

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 7.20 | 11.22# |
| 185.00 | 13.60 | 14.15 |
| 0.00 | 0.00 | 0.00 |

DFTPP

Data File : M:\LINUS\DATA\L210809\0809L136.D  Vial: 36
Acq On : 20 Aug 21 9:22  Operator: LS
Sample : SV TUNE 7/2/21  Inst : Linus
Misc :  Multiplr: 1.00

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270




AutoFind: Scans 1577, 1578, 1579; Background Corrected with Scan 1569

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 55.9 | 151835 | PASS |
| 68 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 70 | 69 | 0.00 | 2 | 0.4 | 663 | PASS |
| 127 | 198 | 10 | 80 | 63.2 | 171691 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 271851 | PASS |
| 199 | 198 | 5 | 9 | 6.6 | 18052 | PASS |
| 275 | 198 | 10 | 60 | 19.7 | 53619 | PASS |
| 365 | 198 | 1 | 100 | 2.7 | 7401 | PASS |
| 441 | 442 | 0.01 | 24 | 18.9 | 27941 | PASS |
| 442 | 198 | 50 | 500 | 54.4 | 147859 | PASS |
| 443 | 442 | 15 | 24 | 20.0 | 29603 | PASS |

| | |
|---|---|
| Data File Name: | **0809L136.D** |
| Data File Path: | **M:\LINUS\DATA\L210809** |
| Operator: | **LS** |
| Date Acquired: | **20 Aug 2021 09:22** |
| Method File: | **DFTPP2.M** |
| Sample Name: | **SV TUNE 7/2/21** |
| Vial Number: | **36** |
| Instrument Name: | **Linus** |

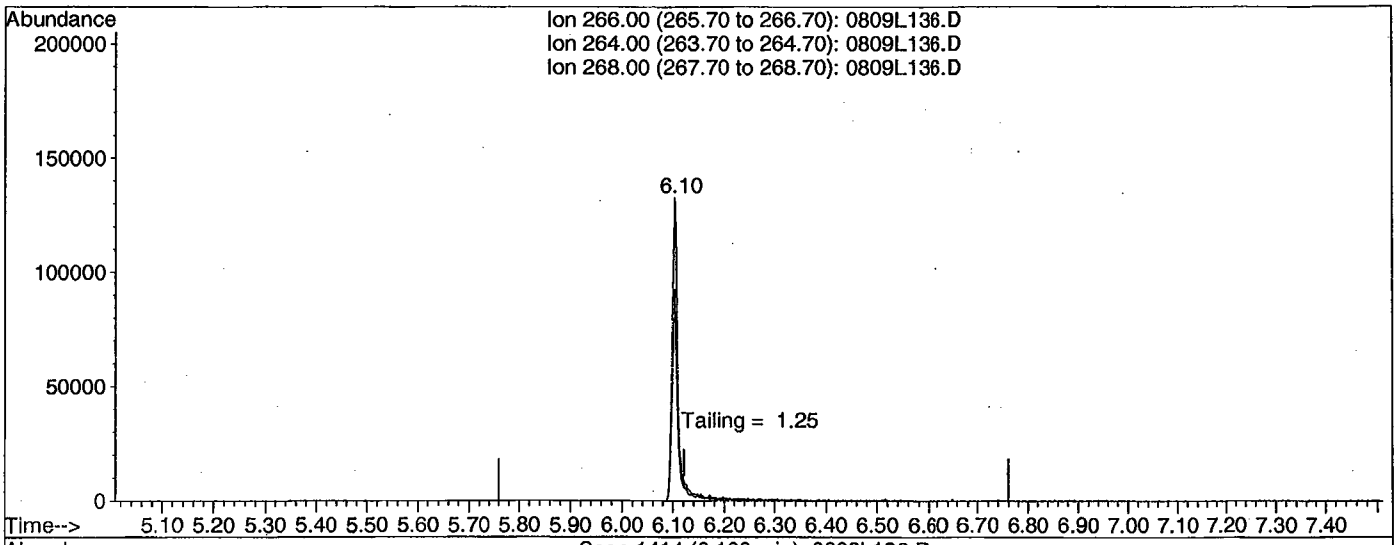
| # | Name | Ret Time | Target Response |
|---|---|---|---|
| 1) | DDT | 8.08 | 25743100 |
| 2) | DDD | 7.83 | 348287 |
| 3) | DDE | 7.55 | 191985 |

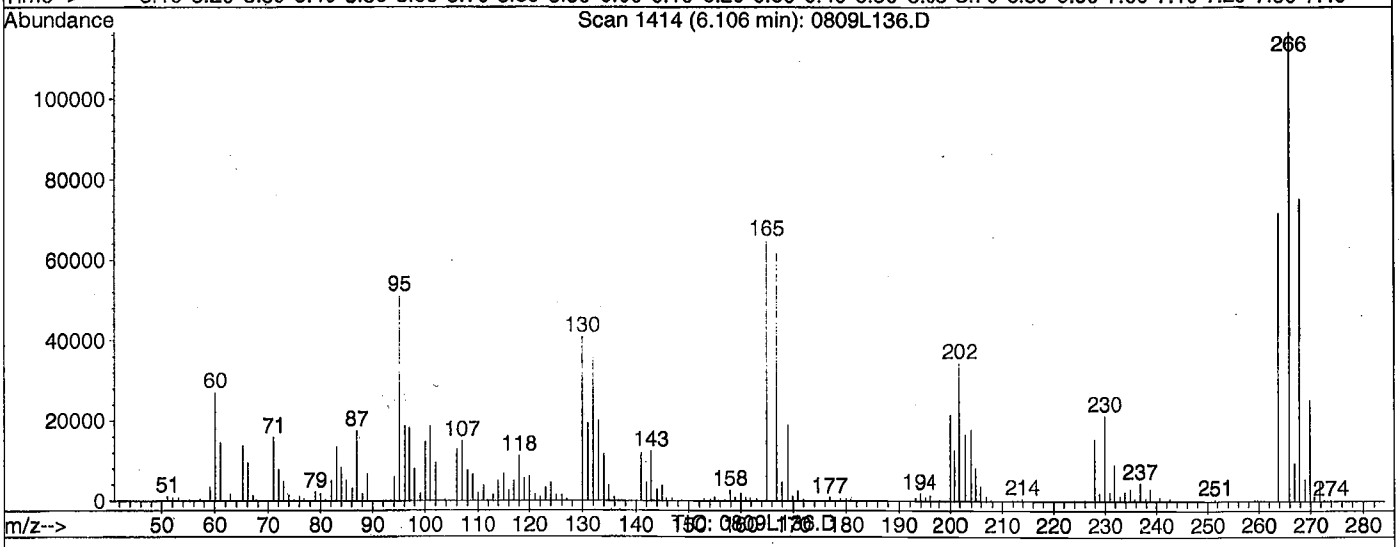
Breakdown **2.06**

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L136.D Vial: 36
Acq On : 20 Aug 21 9:22 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Aug 20 9:48 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210809\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration




(5) Pentachlorophenol

6.10min 0.0000

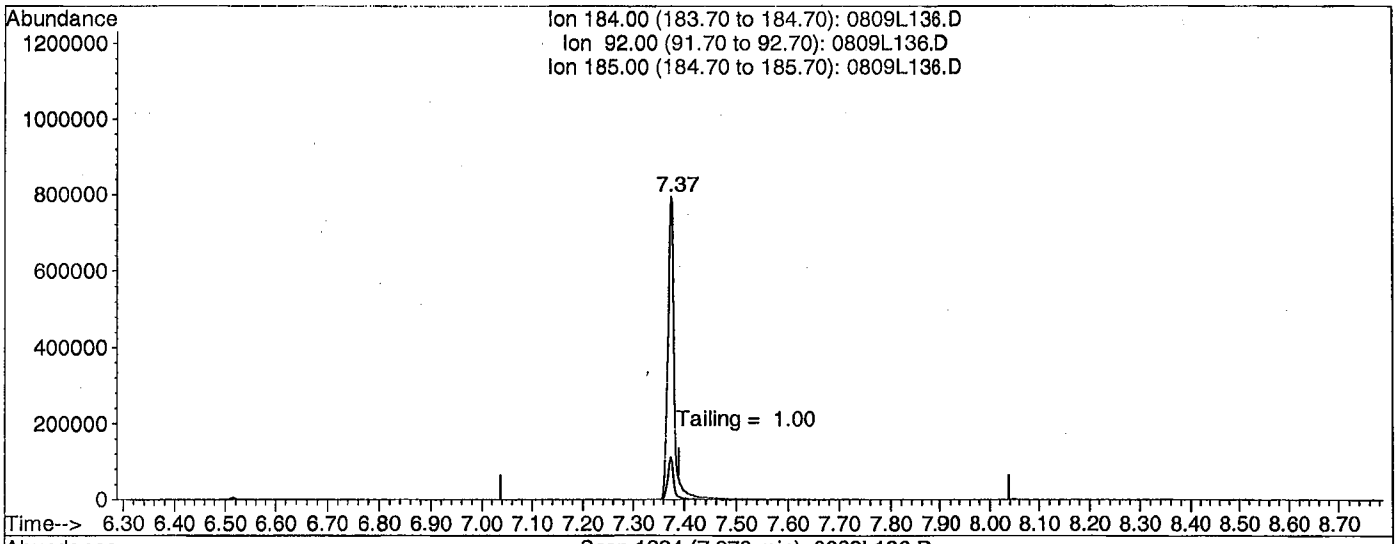
response 1070571

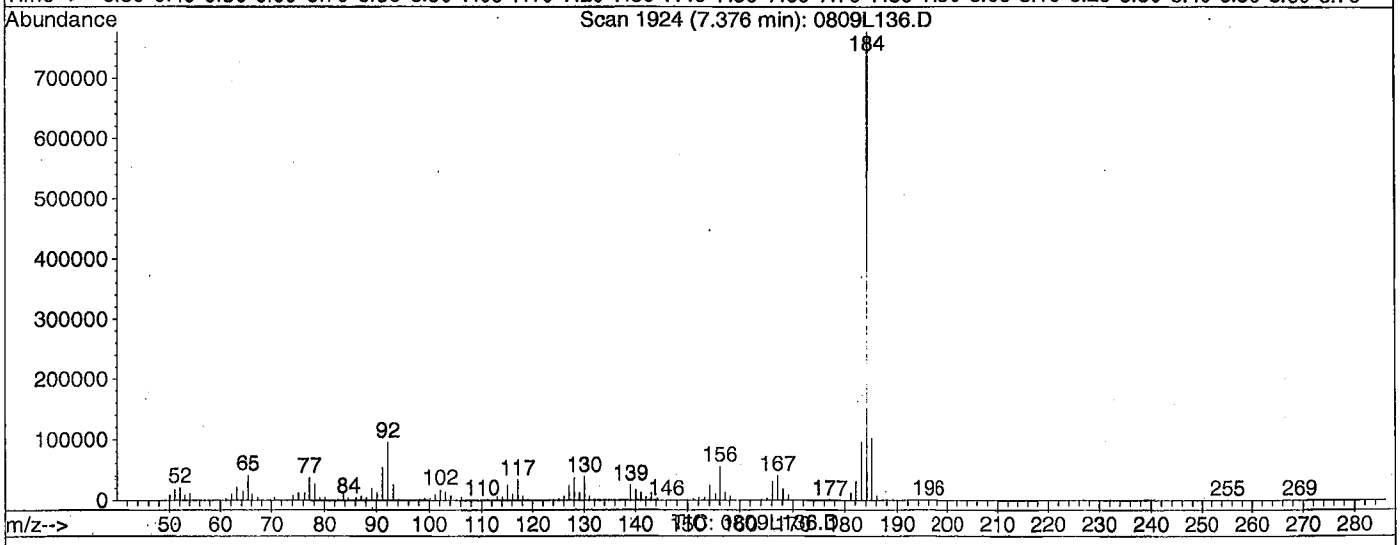
| Ion | Exp% | Act% |
|---|---|---|
| 266.00 | 100 | 100 |
| 264.00 | 60.60 | 63.29 |
| 268.00 | 65.30 | 64.60 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report

Data File : M:\LINUS\DATA\L210809\0809L136.D Vial: 36
Acq On : 20 Aug 21 9:22 Operator: LS
Sample : SV TUNE 7/2/21 Inst : Linus
Misc : Multiplr: 1.00
Quant Time: Aug 20 9:48 2021 Quant Results File: temp.res

Method : M:\LINUS\DATA\L210809\DFTPP2.M (Chemstation Integrator)
Title :
Last Update : Wed Jun 23 11:24:41 2021
Response via : Single Level Calibration




(6) Benzidine

7.38min 0.0000

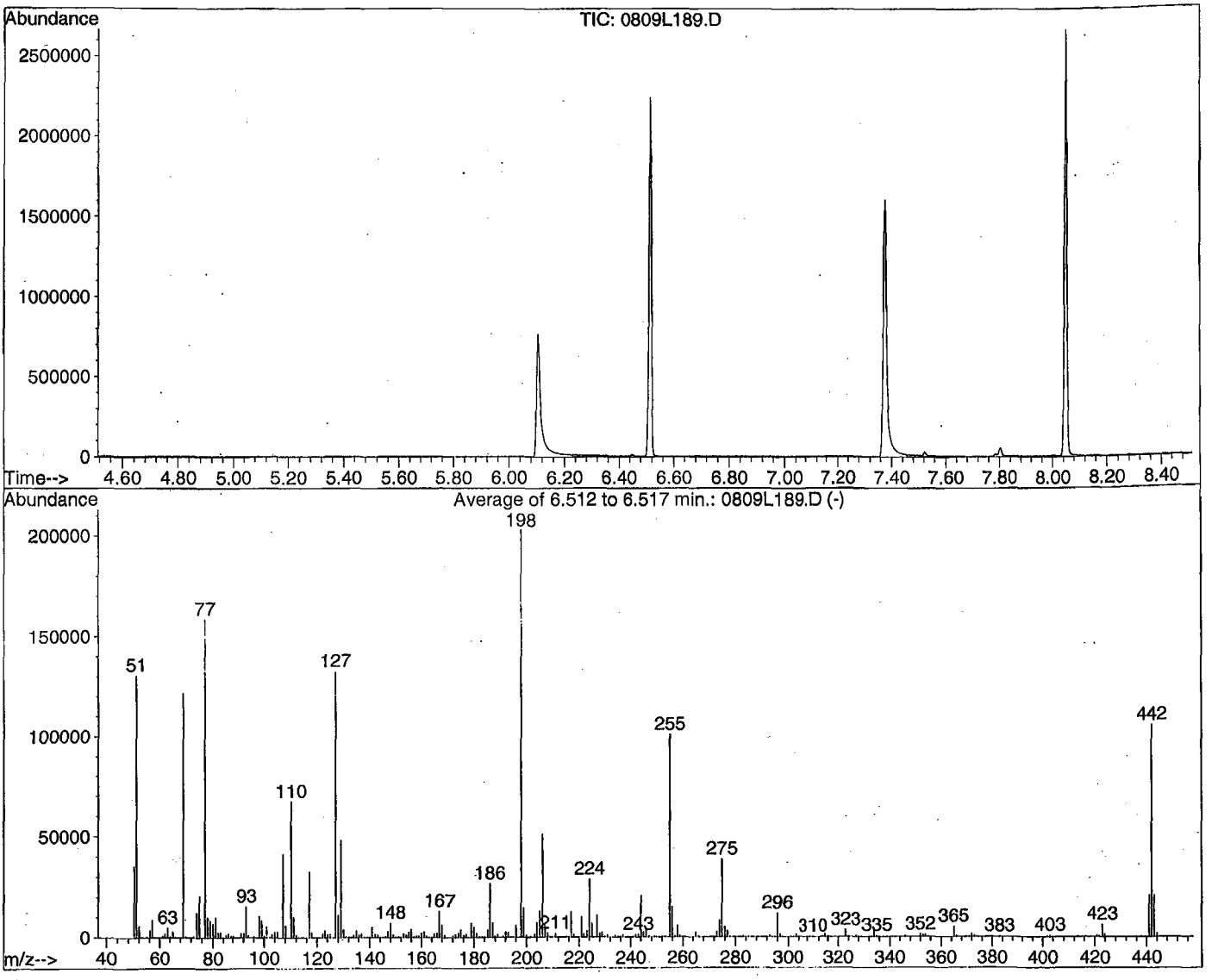
response 6522432

| Ion | Exp% | Act% |
|---|---|---|
| 184.00 | 100 | 100 |
| 92.00 | 7.20 | 13.77# |
| 185.00 | 13.60 | 13.27 |
| 0.00 | 0.00 | 0.00 |

Data File : M:\LINUS\DATA\L210809\0809L189.D
Acq On : 24 Aug 21 13:03
Sample : SV TUNE 7/2/21
Misc :

Vial: 89
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210809\L0715.M (RTE Integrator)
Title : EPA 8270




AutoFind: Scans 1577, 1578, 1579; Background Corrected with Scan 1569

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 51 | 198 | 10 | 80 | 64.5 | 130826 | PASS |
| 68 | 69 | 0.00 | 2 | 0.0 | 0 | PASS |
| 70 | 69 | 0.00 | 2 | 0.7 | 795 | PASS |
| 127 | 198 | 10 | 80 | 65.5 | 132859 | PASS |
| 197 | 198 | 0.00 | 2 | 0.0 | 0 | PASS |
| 198 | 198 | 100 | 100 | 100.0 | 202944 | PASS |
| 199 | 198 | 5 | 9 | 7.2 | 14576 | PASS |
| 275 | 198 | 10 | 60 | 19.1 | 38749 | PASS |
| 365 | 198 | 1 | 100 | 2.6 | 5297 | PASS |
| 441 | 442 | 0.01 | 24 | 19.5 | 20509 | PASS |
| 442 | 198 | 50 | 500 | 51.9 | 105256 | PASS |
| 443 | 442 | 15 | 24 | 19.5 | 20484 | PASS |

| | |
|---|---|
| Data File Name: | **0809L189.D** |
| Data File Path: | **M:\LINUS\DATA\L210809** |
| Operator: | **LS** |
| Date Acquired: | **24 Aug 2021 13:03** |
| Method File: | **DFTPP2.M** |
| Sample Name: | **SV TUNE 7/2/21** |
| Vial Number: | **89** |
| Instrument Name: | **Linus** |

| # | Name | Ret Time | Target Response |
|---|---|---|---|
| 1) | DDT | 8.08 | 17384700 |
| 2) | DDD | 7.83 | 400830 |
| 3) | DDE | 7.55 | 141992 |

Breakdown **3.03**

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

Prep Date: **07/08/21**

Exp Date: **06/17/22**

| 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 | **07/08/21** | **06/17/22** | 10 uL | 100uL | **MC 60338 90uL** | 0.1 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| 1.0 ug/mL SIM | APPL | 1.0 ug/mL SIM | 1.0 ug/mL | **07/08/21** | **06/17/22** | 20 uL | 100uL | **MC 60338 80uL** | 0.2 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| 5.0 ug/mL SIM | APPL | 5.0 ug/mL SIM | 5.0 ug/mL | **07/08/21** | **06/17/22** | 10 uL | 100uL | **MC 60338 90uL** | 0.5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| 5.0 ug/mL SIM | APPL | 5.0 ug/mL SIM | 5.0 ug/mL | **07/08/21** | **06/17/22** | 20 uL | 100uL | **MC 60338 80 uL** | 1.0 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **06/17/21** | **06/17/22** | 5 uL | 200uL | **MC 60338 190 uL** | 5.0 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **06/17/21** | **06/17/22** | 5 uL | * | * | 2.5ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 4 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **06/17/21** | **06/17/22** | 5 uL | 100 uL | **MC 60338 90 uL** | 10 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **06/17/21** | **06/17/22** | 5 uL | * | * | 5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **06/17/21** | **06/17/22** | 25 uL | 100uL | **MC 60338 50 uL** | 50 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **06/17/21** | **06/17/22** | 25 uL | * | * | 25 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |
| SIM STOCK | APPL | SIM STOCK | 200 ug/mL | **06/17/21** | **06/17/22** | 50 uL | 100uL | **na** | 100 ug/mL |
| SIM SURROGATE | APPL | SIM SURR | 100 ug/mL | **06/17/21** | **06/17/22** | 50 uL | * | * | 50 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 2 uL | * | * | 2.5ug/mL |

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

Prep Date: **07/08/21**

Exp Date: **06/17/22**

| 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 | **06/17/21** | **06/17/22** | 5 uL | 200uL | **MC 60338 195uL** | 5 ug/mL |
| SIM Internal Standard | APPL | SIM Internal Standard | 125 ug/mL | **06/17/21** | **06/17/22** | 4 uL | * | * | 2.5ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **PAH SIM Stock (Ampule)** | **Prep'd By (Initials)** | **LS** |
| **Prep Date** | **06/17/21** | | |
| **Exp Date** | **06/17/22** | | |

| 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** | **12/31/22** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **SIM Surrogate** | **Prep'd By (Initials)** | **LS** |
| **Prep Date** | **06/17/21** | | |
| **Exp Date** | **06/17/22** | | |

| 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** | **05/31/26** | 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** | **06/17/21** | | |
| **Exp Date** | **06/17/22** | | |

| 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** | **06/30/26** | 625uL | 10mL | **MC 60338** | 125 ug/mL |

| | | | |
|---|---|---|---|
| **Name of Final Standard** | **SIM SS Stock (Ampule second source)** | **Prep'd By** | **LS** |
| **Prep Date** | **06/17/21** | | |
| **Exp Date** | **06/17/22** | | |

| 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** | **12/31/22** | 1000 uL | 1mL | **NA** | 200 ug/mL |

| | |
|---|---|
| Name of Final Standard | SIM Surrogate |
| Prep Date | 04/08/21 |
| Exp Date | 04/08/22 |

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 | A0161454-50791, 50792, 50794 | 05/31/26 | 2.5mL | 50 mL | Acetone #241320 | 100 ug/mL |

| | |
|---|---|
| Name of Final Standard | SIM Spike |
| Prep Date | 05/28/21 |
| Exp Date | 05/28/22 |

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) |
| Custom PAH Sim Mix | Phenova | AL0-130490 | 200 ug/mL | CL13121- 50767 50768 50769 50770 | 12/31/22 | 5 mL | 25 mL | Acetone 0246130 | 40 ug/mL |

_LIQ003

# Organic Extraction Worksheet

| Method | Continuous Liquid/Liquid SVOC 3520C | Extraction Set | 210817A | Extraction Method | LIQ003 | Units | mL |
|---|---|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| Spiked ID 1 | Sim Spike 08/05/21 - 05/28/22 | | Surrogate ID 1 | SIM Surrogate 04/08/21 - 04/08/22 | |
| 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: | 08/17/21 11:30 | |
| Spiked ID 8 | | | Ext. End Time: | 08/18/21 6:55 | |
| | | | GC Requires Extract By: | | |

| | | | | |
|---|---|---|---|---|
| pH1 | 14 | 08/17/21 10:00 | Water Bath Temp 1 °C | 65C/65.5C °C |
| pH2 | | | Water Bath Temp 2 °C | |
| pH3 | | | Water Bath Temp 3 °C | |

**Spiked By:** **Date** **Witnessed By:** **Date**

| | Sample | Sample Container | Spike Amount | Spike ID | Surrogate Amount | Surrogate ID | Extract Amount | Final Volume | pH | Extract Date/Time | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 210817A Blk | | | | 0.050 | 1 equip | 1000 | 1 | 14 | 08/17/21 9:55 | |
| 2 | 210817A LCS-1 | | 0.125 | 1 | 0.050 | 1 equip | 1000 | 1 | 14 | 08/17/21 9:55 | |
| 3 | 210817A LCSD-1 | | 0.125 | 1 | 0.050 | 1 equip | 1000 | 1 | 14 | 08/17/21 9:55 | |
| 4 | BA37730 | BA37730W06 | | | 0.050 | 1 equip | 850 | 1 | 14 | 08/17/21 9:55 | 97159 |
| 5 | BA37733 | BA37733W06 | | | 0.050 | 1 equip | 850 | 1 | 14 | 08/17/21 9:55 | 97159 |
| 6 | BA37736 | BA37736W05 | | | 0.050 | 1 equip | 850 | 1 | 14 | 08/17/21 9:55 | 97159 |
| 7 | BA37739 | BA37739W06 | | | 0.050 | 1 equip | 850 | 1 | 14 | 08/17/21 9:55 | 97159 |

| Solvent and Lot# | |
|---|---|
| PH Strips | HC155968 |
| Dichloromethane (DCM) | 61117 |
| | |
| 10N NaOH (10mLs) | 08/13/21 |
| Filter Paper | 400181 |
| Na2SO4 | 161295203 |
| | |
| | |
| | |

| Extraction COC Transfer | |
|---|---|
| Extraction lab employee Initials | CW |
| GC analyst's initials | |
| Date | |
| Time | |
| Refrigerator | GC_C |

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

| Modified | 8/19/2021 2:57:30 PM |
|---|---|

**Reviewed By:** **Date**

# Injection Log

Directory: M:\LINUS\DATA\L210715\

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 3 | 0715L003.D | 1 | SV TUNE 7/2/21 | | 15 Jul 21 8:48 |
| 2 | 4 | 0715L004.D | 1 | 0.1 SIM 07/08/21 | | 15 Jul 21 9:04 |
| 3 | 5 | 0715L005.D | 1 | 0.2 SIM 07/08/21 | | 15 Jul 21 9:26 |
| 4 | 6 | 0715L006.D | 1 | 0.5 SIM 07/08/21 | | 15 Jul 21 9:48 |
| 5 | 7 | 0715L007.D | 1 | 1 SIM 07/08/21 | | 15 Jul 21 10:10 |
| 6 | 8 | 0715L008.D | 1 | 5 SIM 07/08/21 | | 15 Jul 21 10:32 |
| 7 | 9 | 0715L009.D | 1 | 10 SIM 07/08/21 | | 15 Jul 21 10:55 |
| 8 | 10 | 0715L010.D | 1 | 50 SIM 07/08/21 | | 15 Jul 21 11:17 |
| 9 | 11 | 0715L011.D | 1 | 100 SIM 07/08/21 | | 15 Jul 21 11:39 |
| 10 | 12 | 0715L012.D | 1 | SS SIM 07/08/21 | | 15 Jul 21 12:01 |
| 11 | 36 | 0809L136.D | 1 | SV TUNE 7/2/21 | | 20 Aug 21 9:22 |
| 12 | 37 | 0809L137.D | 1 | 5 SIM 07/08/21 (2) | | 20 Aug 21 9:38 |
| 13 | 45 | 0809L145.D | 1 | 210817A BLK 1/1000 | | 20 Aug 21 12:35 |
| 14 | 46 | 0809L146.D | 1 | 210817A LCS-1 1/1000 | | 20 Aug 21 12:58 |
| 15 | 48 | 0809L148.D | 1.17647 | BA37730W06 1/850 | | 20 Aug 21 13:42 |
| 16 | 49 | 0809L149.D | 1.17647 | BA37733W06 1/850 | | 20 Aug 21 14:04 |
| 17 | 50 | 0809L150.D | 1.17647 | BA37736W05 1/850 | | 20 Aug 21 14:26 |
| 18 | 51 | 0809L151.D | 1.17647 | BA37739W06 1/850 | | 20 Aug 21 14:48 |
| 19 | 52 | 0809L152.D | 1 | 5 SIM 07/08/21 (4) | | 20 Aug 21 15:11 |
| 20 | 89 | 0809L189.D | 1 | SV TUNE 7/2/21 | | 24 Aug 21 13:03 |
| 21 | 90 | 0809L190.D | 1 | 5 SIM 07/08/21 (2) | | 24 Aug 21 13:19 |
| 22 | 91 | 0809L191.D | 1 | 210817A LCSD-1 1/1000 | | 24 Aug 21 13:42 |
| 23 | 10 | 0809L210.D | 1 | 5 SIM 07/08/21 (4) | | 24 Aug 21 20:43 |

# 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:

| | | Compound | 0825M12.D 1 | 0825M13.D 2 | 0825M14.D 3 | 0825M15.D 4 | 0825M16.D 5 | 0825M17.D 6 | 0825M18.D 7 | 0825M19.D 8 | 0825M20.D 9 | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | | | | | | | | | | | | | | | | |
| 2 | TM | Chlorotrifluoroethene | | | | | | | | | | | | | TM | | | |
| 3 | TM | Dichlorodifluoromethane | | | 0.1570 | 0.1657 | 0.1278 | 0.1619 | 0.1544 | 0.1780 | 0.1734 | | 0.16 | 10 | TM | | | |
| 4 | TML | Freon 114 | 0.1923 | 0.1117 | 0.1463 | 0.1199 | 0.0778 | 0.0983 | 0.0914 | 0.1031 | 0.0938 | | 0.11 | 30 | TM | 0.998 | | |
| 5 | TM** | Chloromethane | | | 0.0964 | 0.0922 | 0.0796 | 0.0867 | 0.0923 | 0.0921 | 0.0949 | | 0.09 | 6.3 | TM** | | | |
| 6 | TM* | Vinyl chloride | | 0.1122 | 0.0942 | 0.1127 | 0.0864 | 0.1107 | 0.0994 | 0.1125 | 0.1116 | | 0.10 | 9.8 | TM* | | | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | | | | | | | | | | | | | TM | | | |
| 8 | TM | Bromomethane | | 0.0852 | 0.1076 | 0.0852 | 0.0786 | 0.0713 | 0.0855 | 0.0844 | 0.0859 | | 0.09 | 12 | TM | | | |
| 9 | TM | Chloroethane | | | 0.0661 | 0.0473 | 0.0448 | 0.0512 | 0.0506 | 0.0475 | 0.0478 | | 0.05 | 14 | TM | | | |
| 10 | TM | Dichlorofluoromethane | | | 0.2160 | 0.2001 | 0.1789 | 0.1888 | 0.1852 | 0.2046 | 0.1992 | | 0.20 | 6.5 | TM | | | |
| 11 | TM | Trichlorofluoromethane | | 0.2823 | 0.2651 | 0.2627 | 0.2369 | 0.2731 | 0.2680 | 0.2856 | 0.2797 | | 0.27 | 5.7 | TM | | | |
| 12 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | | | | | | | | | | | | | TM | | | |
| 13 | TM | Acrolein | 0.0130 | 0.0122 | 0.0134 | 0.0136 | 0.0132 | 0.0132 | 0.0139 | 0.0131 | 0.0130 | | 0.01 | 3.6 | TM | | | |
| 14 | TM | Acetone | | | 0.0144 | 0.0154 | 0.0152 | 0.0157 | 0.0137 | 0.0161 | 0.0150 | | 0.02 | 5.3 | TM | | | |
| 15 | TM | Freon-113 | | | 0.1106 | 0.1325 | 0.1028 | 0.1231 | 0.1213 | 0.1291 | 0.1228 | | 0.12 | 8.6 | TM | | | |
| 16 | TM | Acetonitrile | | 0.0085 | 0.0071 | 0.0079 | 0.0075 | 0.0076 | 0.0076 | 0.0085 | 0.0082 | | 0.01 | 6.4 | TM | | | |
| 17 | TM | 2-propanol | | | | | | | | | | | | | TM | | | |
| 18 | TML | 1,2-Dichlorotrifluoroethane | | 0.1474 | 0.1393 | 0.1440 | 0.0846 | 0.0964 | 0.1116 | 0.1129 | 0.1130 | | 0.12 | 19 | TM | 1.000 | | |
| 19 | TM* | 1,1-DCE | | 0.1899 | 0.1972 | 0.1926 | 0.1250 | 0.1751 | 0.1552 | 0.1747 | 0.1661 | | 0.17 | 14 | TM* | | | |
| 20 | TM | t-Butanol | | 0.0100 | 0.0094 | 0.0102 | 0.0101 | 0.0106 | 0.0104 | 0.0099 | 0.0108 | | 0.01 | 4.4 | TM | | | |
| 21 | TM | Methyl Acetate | | | 0.0517 | 0.0711 | 0.0472 | 0.0519 | 0.0507 | 0.0563 | 0.0524 | | 0.05 | 14 | TM | | | |
| 22 | TML | Iodomethane | | | 0.0595 | 0.0622 | 0.0528 | 0.0881 | 0.0982 | 0.1295 | 0.1428 | | 0.09 | 39 | TM | 0.997 | | |
| 23 | TML | Acrylonitrile | 0.0200 | 0.0150 | 0.0128 | 0.0322 | 0.0138 | 0.0328 | 0.0290 | 0.0311 | 0.0279 | | 0.02 | 35 | TM | 0.997 | | |
| 24 | TM | 2-Methylpentane | | | | | | | | | | | | | TM | | | |
| 25 | TML | Methylene chloride | | | 0.1868 | 0.1442 | 0.1011 | 0.1039 | 0.1012 | 0.1093 | 0.1039 | | 0.12 | 27 | TM | 0.999 | | |
| 26 | TM | Carbon disulfide | | 0.1795 | 0.2121 | 0.2095 | 0.1370 | 0.1588 | 0.1647 | 0.1826 | 0.1661 | | 0.18 | 14 | TM | | | |
| 27 | TM | Methyl t-butyl ether (MtBE) | | 0.3837 | 0.4681 | 0.3795 | 0.2981 | 0.3675 | 0.3547 | 0.3731 | 0.3557 | | 0.37 | 13 | TM | | | |
| 28 | TM | Trans-1,2-DCE | | | 0.1169 | 0.1356 | 0.1129 | 0.1116 | 0.1203 | 0.1314 | 0.1208 | | 0.12 | 7.5 | TM | | | |
| 29 | TM | 3-Methylpentane | | | | | | | | | | | | | TM | | | |
| 30 | TML | Hexane | | | 0.0398 | 0.0425 | 0.0302 | 0.0403 | 0.0467 | 0.0498 | 0.0507 | | 0.04 | 16 | TM | 1.000 | | |
| 31 | TM | Diisopropyl Ether | 0.2328 | 0.2537 | 0.2053 | 0.2737 | 0.2082 | 0.2546 | 0.2374 | 0.2539 | 0.2458 | | 0.24 | 9.3 | TM | | | |
| 32 | TM** | 1,1-DCA | | 0.2017 | 0.2398 | 0.2100 | 0.1534 | 0.1845 | 0.1782 | 0.1936 | 0.1893 | | 0.19 | 13 | TM** | | | |
| 33 | TML | Vinyl Acetate | | | 0.0805 | 0.1247 | 0.0940 | 0.1123 | 0.1031 | 0.0744 | 0.0843 | | 0.10 | 19 | TM | 0.994 | | |
| 34 | TM | Ethyl tert Butyl Ether | | 0.3167 | 0.3542 | 0.3101 | 0.2547 | 0.3232 | 0.2938 | 0.3362 | 0.3152 | | 0.31 | 9.5 | TM | | | |
| 35 | TM | Methylcyclopentane | | | | | | | | | | | | | TM | | | |

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:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 36 | TM | MEK (2-Butanone) | 0.0169 | 0.0159 | 0.0156 | 0.0158 | 0.0164 | 0.0169 | 0.0177 | 0.0179 | 0.0153 | | 0.02 | 5.6 | TM | | | |
| 37 | TM | Cis-1,2-DCE | | | 0.1236 | 0.1508 | 0.1089 | 0.1442 | 0.1294 | 0.1442 | 0.1332 | | 0.13 | 11 | TM | | | |
| 38 | TM | 2,2-Dichloropropane | | | 0.2399 | 0.2459 | 0.1955 | 0.2208 | 0.2134 | 0.2302 | 0.2148 | | 0.22 | 7.7 | TM | | | |
| 39 | TM* | Chloroform | | 0.2577 | 0.2744 | 0.2497 | 0.1872 | 0.2527 | 0.2229 | 0.2566 | 0.2455 | | 0.24 | 11 | TM* | | | |
| 40 | TM | Bromochloromethane | | 0.0963 | 0.1003 | 0.1051 | 0.0887 | 0.1035 | 0.1022 | 0.1126 | 0.1045 | | 0.10 | 6.9 | TM | | | |
| 41 | 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 | | | |
| 42 | TM | 1,1,1-TCA | | | 0.2755 | 0.2519 | 0.2267 | 0.2695 | 0.2604 | 0.2878 | 0.2632 | | 0.26 | 7.4 | TM | | | |
| 43 | TML | Cyclohexane | 0.1040 | 0.0913 | 0.1135 | 0.0954 | 0.0701 | 0.0777 | 0.0752 | 0.0836 | 0.0787 | | 0.09 | 16 | TM | 0.999 | | |
| 44 | TM | 1,1-Dichloropropene | | 0.1692 | 0.1861 | 0.1582 | 0.1210 | 0.1415 | 0.1436 | 0.1592 | 0.1506 | | 0.15 | 13 | TM | | | |
| 45 | TM | 2,2,4-Trimethylpentane | | 0.2243 | 0.2072 | 0.2172 | 0.1813 | 0.2294 | 0.2171 | 0.2338 | 0.2258 | | 0.22 | 7.7 | TM | | | |
| 46 | 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 | | | |
| 47 | TM | Carbon Tetrachloride | 0.2462 | 0.1849 | 0.2733 | 0.2476 | 0.2021 | 0.2636 | 0.2395 | 0.2683 | 0.2471 | | 0.24 | 12 | TM | | | |
| 48 | TM | Tert Amyl Methyl Ether | | | 0.3031 | 0.3407 | 0.2510 | 0.3163 | 0.2953 | 0.3280 | 0.3051 | | 0.31 | 9.4 | TM | | | |
| 49 | TM | 1,2-DCA | | | 0.2788 | 0.2412 | 0.1710 | 0.2195 | 0.2048 | 0.2172 | 0.2074 | | 0.22 | 15 | TM | | | |
| 50 | TM | Benzene | | 0.4552 | 0.4738 | 0.4490 | 0.3433 | 0.4314 | 0.4088 | 0.4546 | 0.4209 | | 0.43 | 9.5 | TM | | | |
| 51 | TM | TCE | | 0.1490 | 0.1555 | 0.1344 | 0.1041 | 0.1263 | 0.1197 | 0.1434 | 0.1278 | | 0.13 | 13 | TM | | | |
| 52 | TM | 2-Pentanone | 0.0603 | 0.0462 | 0.0554 | 0.0546 | 0.0563 | 0.0531 | 0.0553 | 0.0553 | 0.0493 | | 0.05 | 7.6 | TM | | | |
| 53 | TM*L | 1,2-Dichloropropane | | 0.0758 | 0.0680 | 0.0422 | 0.0441 | 0.0508 | 0.0502 | 0.0535 | 0.0498 | | 0.05 | 21 | TM* | 0.999 | | |
| 54 | TM | Bromodichloromethane | | 0.1762 | 0.2090 | 0.2333 | 0.1483 | 0.1865 | 0.1892 | 0.1996 | 0.1876 | | 0.19 | 13 | TM | | | |
| 55 | TM | Methyl Cyclohexane | | | 0.1881 | 0.1838 | 0.1334 | 0.1683 | 0.1492 | 0.1739 | 0.1679 | | 0.17 | 12 | TM | | | |
| 56 | TM | Dibromomethane | | | 0.0734 | 0.0868 | 0.0650 | 0.0722 | 0.0713 | 0.0773 | 0.0754 | | 0.07 | 9.0 | TM | | | |
| 57 | TM | MIBK (methyl isobutyl ketone) | | 0.0370 | 0.0334 | 0.0327 | 0.0309 | 0.0303 | 0.0321 | 0.0317 | 0.0307 | | 0.03 | 6.6 | TM | | | |
| 58 | TM | 1-Bromo-2-chloroethane | | | 0.0229 | 0.0251 | 0.0256 | 0.0282 | 0.0250 | 0.0286 | 0.0269 | | 0.03 | 7.7 | TM | | | |
| 59 | TM | 2-Chloroethyl vinyl ether | | | | | | | | | | | | | TM | | | |
| 60 | TM | Cis-1,3-Dichloropropene | | 0.1133 | 0.1020 | 0.1245 | 0.0893 | 0.1008 | 0.1068 | 0.1110 | 0.1065 | | 0.11 | 9.6 | TM | | | |
| 61 | TM* | Toluene | | | 0.5664 | 0.4911 | 0.3750 | 0.4808 | 0.4721 | 0.5018 | 0.4789 | | 0.48 | 12 | TM* | | | |
| 62 | TM | Trans-1,3-Dichloropropene | | 0.1769 | 0.1702 | 0.1618 | 0.1393 | 0.1740 | 0.1757 | 0.1883 | 0.1812 | | 0.17 | 8.7 | TM | | | |
| 63 | TML | 1,1,2-TCA | | 0.0917 | 0.1149 | 0.0784 | 0.0532 | 0.0747 | 0.0730 | 0.0762 | 0.0721 | | 0.08 | 22 | TM | 0.999 | | |
| 64 | TM | 2-Hexanone | | 0.0213 | 0.0179 | 0.0219 | 0.0212 | 0.0215 | 0.0207 | 0.0234 | 0.0211 | | 0.02 | 7.4 | TM | | | |
| 65 | I | Chlorobenzene-D5 (IS) | | | | | | | | | | | | | | | | |
| 66 | 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 | | | |
| 67 | TM | 1,2-EDB | 0.1264 | 0.1421 | 0.1300 | 0.1530 | 0.0933 | 0.1417 | 0.1277 | 0.1336 | 0.1265 | | 0.13 | 13 | TM | | | |
| 68 | TM | Tetrachloroethene | | 0.1210 | 0.1276 | 0.1405 | 0.1053 | 0.1263 | 0.1144 | 0.1353 | 0.1218 | | 0.12 | 9.0 | TM | | | |
| 69 | TM | 1-Chlorohexane | | 0.1575 | 0.1602 | 0.1570 | 0.1197 | 0.1540 | 0.1432 | 0.1720 | 0.1567 | | 0.15 | 10 | TM | | | |
| 70 | TM | 1,1,1,2-Tetrachloroethane | | 0.2163 | 0.2373 | 0.2081 | 0.1518 | 0.1957 | 0.1881 | 0.2058 | 0.1895 | | 0.20 | 13 | TM | | | |

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:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | Avg | %RSD | Type | | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 71 | TM | m&p-Xylene | 0.3287 | 0.2942 | 0.3046 | 0.2888 | 0.2340 | 0.2820 | 0.2713 | 0.2996 | 0.2767 | | 0.29 | 9.1 | TM | | | |
| 72 | TM | o-Xylene | | 0.3406 | 0.3037 | 0.2905 | 0.2092 | 0.2838 | 0.2660 | 0.2963 | 0.2767 | | 0.28 | 13 | TM | | | |
| 73 | TM | Styrene | | 0.4898 | 0.4768 | 0.5000 | 0.3307 | 0.4569 | 0.4212 | 0.4683 | 0.4442 | | 0.45 | 12 | TM | | | |
| 74 | 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 | | | |
| 75 | TM | 1,3-Dichloropropane | | 0.2300 | 0.2145 | 0.1785 | 0.1571 | 0.1946 | 0.1860 | 0.1943 | 0.1840 | | 0.19 | 12 | TM | | | |
| 76 | TM | Dibromochloromethane | | 0.1782 | 0.1954 | 0.2213 | 0.1449 | 0.2008 | 0.1727 | 0.1962 | 0.1840 | | 0.19 | 12 | TM | | | |
| 77 | TM** | Chlorobenzene | 0.4564 | 0.4071 | 0.4736 | 0.4366 | 0.3387 | 0.4467 | 0.4227 | 0.4587 | 0.4297 | | 0.43 | 9.3 | TM** | | | |
| 78 | TM* | Ethylbenzene | | 0.7471 | 0.6786 | 0.7245 | 0.5025 | 0.6587 | 0.6123 | 0.6935 | 0.6593 | | 0.66 | 12 | TM* | | | |
| 79 | TM** | Bromoform | | | 0.1578 | 0.1672 | 0.1128 | 0.1629 | 0.1359 | 0.1598 | 0.1440 | | 0.15 | 13 | TM** | | | |
| 80 | I | 1,4-Dichlorobenzene-D (IS) | | | | | | | | | | | | | | | | |
| 81 | TM | Isopropylbenzene | | 1.210 | 1.187 | 1.284 | 0.9174 | 1.180 | 1.095 | 1.173 | 1.093 | | 1.1 | 9.6 | TM | | | |
| 82 | TM** | 1,1,2,2-Tetrachloroethane | | | 0.2152 | 0.2153 | 0.1443 | 0.1923 | 0.1889 | 0.1910 | 0.2045 | | 0.19 | 13 | TM** | | | |
| 83 | TM | 1,2,3-Trichloropropane | | 0.0894 | 0.0884 | 0.0851 | 0.0636 | 0.1024 | 0.0914 | 0.0977 | 0.0885 | | 0.09 | 13 | TM | | | |
| 84 | TM | t-1,4-Dichloro-2-Butene | | 0.0429 | 0.0363 | 0.0558 | 0.0411 | 0.0499 | 0.0487 | 0.0526 | | | 0.05 | 15 | TM | | | |
| 85 | TM | Bromobenzene | | | 0.3769 | 0.3971 | 0.2744 | 0.3987 | 0.3618 | 0.3932 | 0.3631 | | 0.37 | 12 | TM | | | |
| 86 | TM | n-Propylbenzene | | 1.306 | 1.188 | 1.196 | 0.8854 | 1.190 | 1.111 | 1.221 | 1.131 | | 1.2 | 11 | TM | | | |
| 87 | TM | 4-Ethyltoluene | | 1.150 | 1.146 | 1.150 | 0.8548 | 1.106 | 1.057 | 1.145 | 1.075 | | 1.1 | 9.2 | TM | | | |
| 88 | TML | 2-Chlorotoluene | 0.8280 | 1.010 | 1.109 | 0.9797 | 0.7339 | 0.9032 | 0.8261 | 0.7675 | | | 0.89 | 15 | TM | 0.997 | | |
| 89 | TM | 1,3,5-Trimethylbenzene | | 1.023 | 0.9399 | 1.002 | 0.7660 | 0.9872 | 0.9205 | 0.9947 | 0.9517 | | 0.95 | 8.6 | TM | | | |
| 90 | TM | 4-Chlorotoluene | | 0.8606 | 0.9299 | 0.8949 | 0.7277 | 0.8917 | 0.8392 | 0.9046 | 0.8494 | | 0.86 | 7.2 | TM | | | |
| 91 | TM | Tert-Butylbenzene | | | 0.6302 | 0.5254 | 0.4542 | 0.6123 | 0.5883 | 0.6229 | 0.6037 | | 0.58 | 11 | TM | | | |
| 92 | TM | 1,2,4-Trimethylbenzene | | 1.037 | 1.066 | 0.9361 | 0.7010 | 0.9837 | 0.9558 | 1.024 | 0.9680 | | 0.96 | 12 | TM | | | |
| 93 | TM | Sec-Butylbenzene | | 1.091 | 1.024 | 1.065 | 0.8705 | 1.141 | 1.078 | 1.193 | 1.122 | | 1.1 | 9.0 | TM | | | |
| 94 | TM | p-Isopropyltoluene | | | 1.015 | 1.106 | 0.8029 | 1.093 | 1.047 | 1.176 | 1.132 | | 1.1 | 12 | TM | | | |
| 95 | TML | Benzyl Chloride | | | 0.3203 | 0.2531 | 0.2457 | 0.2833 | 0.2589 | 0.2885 | 0.3311 | | 0.28 | 12 | TM | 0.997 | | |
| 96 | TM | 1,3-DCB | | | 0.6526 | 0.7164 | 0.5399 | 0.6887 | 0.6346 | 0.6722 | 0.6685 | | 0.65 | 8.6 | TM | | | |
| 97 | TM | 1,4-DCB | | | 0.8275 | 0.6891 | 0.5391 | 0.6739 | 0.6459 | 0.6938 | 0.6538 | | 0.67 | 13 | TM | | | |
| 98 | TM | n-Butylbenzene | | 0.6669 | 0.6254 | 0.5427 | 0.5117 | 0.6749 | 0.6602 | 0.7702 | 0.7808 | | 0.65 | 15 | TM | | | |
| 99 | TM | 1,2-DCB | | | 0.7521 | 0.6434 | 0.4937 | 0.6910 | 0.6381 | 0.6853 | 0.6862 | | 0.66 | 12 | TM | | | |
| 100 | TM | Hexachloroethane | 0.1975 | 0.1937 | 0.2259 | 0.1619 | 0.1708 | 0.1857 | 0.1805 | 0.1949 | 0.1884 | | 0.19 | 9.6 | TM | | | |
| 101 | TML | 1,2-Dibromo-3-chloropropane | | 0.0242 | 0.0709 | 0.0549 | 0.0514 | 0.0800 | 0.0648 | 0.0758 | 0.0867 | | 0.06 | 31 | TM | 0.996 | | |
| 102 | TML | 1,2,4-Trichlorobenzene | | 0.3062 | 0.2651 | 0.2999 | 0.2172 | 0.3766 | 0.4128 | 0.5109 | 0.6036 | | 0.37 | 35 | TM | 0.994 | | |
| 103 | TML | Hexachlorobutadiene | 0.2877 | 0.2225 | 0.2556 | 0.2657 | 0.1897 | 0.3038 | 0.2790 | 0.3226 | 0.3481 | | 0.27 | 18 | TM | 0.998 | | |
| 104 | TML | Naphthalene | | | 0.1782 | 0.2096 | 0.1777 | 0.3032 | 0.3288 | 0.4612 | 0.5470 | | 0.32 | 46 | TM | 0.994 | | |
| 105 | TML | 1,2,3-Trichlorobenzene | | | 0.2853 | 0.2073 | 0.2050 | 0.3190 | 0.3540 | 0.4430 | 0.5288 | | 0.33 | 36 | TM | 0.995 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 221472 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137587 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 18913 | 5.84 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 23.372% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 11779 | 5.54 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.148% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 61590 | 5.93 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 23.720% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 23749 | 5.86 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 23.444% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 487 | 0.28 | ppb | # | 49 |
| 5) Chloromethane | 1.22 | 50 | 639 | 0.66 | ppb | | 93 |
| 6) Vinyl chloride | 1.32 | 62 | 347 | 0.31 | ppb | # | 48 |
| 8) Bromomethane | 1.57 | 94 | 363 | 0.40 | ppb | | 99 |
| 9) Chloroethane | 1.68 | 64 | 291 | 0.53 | ppb | # | 42 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 565 | 0.27 | ppb | | 88 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 884 | 0.31 | ppb | # | 72 |
| 13) Acrolein | 2.29 | 56 | 1393 | 9.85 | ppb | # | 73 |
| 14) Acetone | 2.46 | 43 | 1064 | 6.58 | ppb | | 84 |
| 15) Freon-113 | 2.39 | 151 | 433 | 0.34 | ppb | # | 34 |
| 16) Acetonitrile | 2.76 | 41 | 960 | 11.39 | ppb | | 91 |
| 18) 1,2-Dichlorotrifluoroethan | 2.18 | 67 | 318 | 0.58 | ppb | # | 1 |
| 19) 1,1-DCE | 2.37 | 61 | 537 | 0.29 | ppb | # | 86 |
| 20) t-Butanol | 3.17 | 59 | 1229 | 11.25 | ppb | # | 62 |
| 21) Methyl Acetate | 2.82 | 43 | 117 | 0.20 | ppb | # | 48 |
| 22) Iodomethane | 2.51 | 142 | 314 | 2.40 | ppb | # | 68 |
| 25) Methylene chloride | 2.91 | 84 | 1103 | 0.56 | ppb | | 80 |
| 26) Carbon disulfide | 2.56 | 76 | 758 | 0.40 | ppb | # | 64 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 1431 | 0.36 | ppb | # | 52 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 434 | 0.33 | ppb | # | 53 |
| 30) Hexane | 3.63 | 56 | 238 | 1.69 | ppb | # | 21 |
| 31) Diisopropyl Ether | 4.05 | 45 | 500 | 0.19 | ppb | # | 63 |
| 32) 1,1-DCA | 3.86 | 63 | 912 | 0.44 | ppb | # | 65 |
| 33) Vinyl Acetate | 4.03 | 43 | 300 | -0.94 | ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.59 | 59 | 959 | 0.29 | ppb | # | 47 |
| 36) MEK (2-Butanone) | 4.85 | 43 | 907 | 5.12 | ppb | # | 54 |
| 37) Cis-1,2-DCE | 4.74 | 96 | 564 | 0.39 | ppb | # | 54 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 578 | 0.24 | ppb | # | 82 |
| 39) Chloroform | 5.22 | 83 | 2838 | 1.09 | ppb | | 95 |
| 40) Bromochloromethane | 5.07 | 130 | 573 | 0.53 | ppb | # | 70 |
| 42) 1,1,1-TCA | 5.38 | 97 | 1060 | 0.38 | ppb | | 90 |
| 43) Cyclohexane | 5.45 | 41 | 335 | 0.27 | ppb | # | 27 |
| 44) 1,1-Dichloropropene | 5.62 | 75 | 345 | 0.21 | ppb | # | 36 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 880 | 0.38 | ppb | # | 74 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 793 | 0.31 | ppb | # | 67 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 794 | 0.24 | ppb | # | 78 |
| 49) 1,2-DCA | 5.91 | 62 | 842 | 0.34 | ppb | # | 81 |
| 50) Benzene | 5.86 | 78 | 1689 | 0.37 | ppb | # | 82 |
| 51) TCE | 6.64 | 95 | 610 | 0.43 | ppb | # | 62 |
| 52) 2-Pentanone | 6.90 | 43 | 6470 | 11.16 | ppb | | 97 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 278 | 0.27 | ppb | # | 89 |
| 54) | Bromodichloromethane | 7.20 | 83 | 709 | 0.35 | ppb | # | 32 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 629 | 0.35 | ppb | | 99 |
| 56) | Dibromomethane | 6.99 | 93 | 196 | 0.25 | ppb | # | 25 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 1501 | 4.32 | ppb | # | 89 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 106 | 0.38 | ppb | # | 15 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 394 | 0.34 | ppb | # | 62 |
| 61) | Toluene | 8.02 | 91 | 1939 | 0.38 | ppb | # | 69 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 725 | 0.40 | ppb | # | 80 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 347 | 0.25 | ppb | | 83 |
| 64) | 2-Hexanone | 8.75 | 43 | 786 | 3.46 | ppb | # | 95 |
| 67) | 1,2-EDB | 8.94 | 107 | 336 | 0.29 | ppb | # | 72 |
| 68) | Tetrachloroethene | 8.57 | 164 | 547 | 0.50 | ppb | # | 65 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 525 | 0.39 | ppb | # | 70 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.54 | 131 | 626 | 0.35 | ppb | | 99 |
| 71) | m&p-Xylene | 9.69 | 106 | 1747 | 0.69 | ppb | | 95 |
| 72) | o-Xylene | 10.08 | 106 | 950 | 0.38 | ppb | | 74 |
| 73) | Styrene | 10.10 | 104 | 1484 | 0.37 | ppb | # | 81 |
| 75) | 1,3-Dichloropropane | 8.63 | 76 | 467 | 0.27 | ppb | | 98 |
| 76) | Dibromochloromethane | 8.84 | 129 | 808 | 0.49 | ppb | | 91 |
| 77) | Chlorobenzene | 9.44 | 112 | 1213 | 0.32 | ppb | # | 75 |
| 78) | Ethylbenzene | 9.56 | 91 | 2176 | 0.37 | ppb | | 96 |
| 79) | Bromoform | 10.27 | 173 | 236 | 0.18 | ppb | | 94 |
| 81) | Isopropylbenzene | 10.46 | 105 | 2440 | 0.39 | ppb | # | 87 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 478 | 0.45 | ppb | # | 55 |
| 83) | 1,2,3-Trichloropropane | 10.79 | 110 | 180 | 0.37 | ppb | | 90 |
| 84) | t-1,4-Dichloro-2-Butene | 10.84 | 53 | 20 | 0.08 | ppb | # | 14 |
| 85) | Bromobenzene | 10.73 | 156 | 725 | 0.36 | ppb | | 83 |
| 86) | n-Propylbenzene | 10.87 | 91 | 2348 | 0.37 | ppb | | 89 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 2610 | 0.44 | ppb | # | 59 |
| 88) | 2-Chlorotoluene | 10.94 | 91 | 1367 | 0.28 | ppb | | 83 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 2272 | 0.44 | ppb | # | 70 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 2100 | 0.44 | ppb | # | 67 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 1210 | 0.38 | ppb | # | 91 |
| 92) | 1,2,4-Trimethylbenzene | 11.42 | 105 | 2366 | 0.45 | ppb | # | 72 |
| 93) | Sec-Butylbenzene | 11.59 | 105 | 2341 | 0.40 | ppb | | 87 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 2457 | 0.42 | ppb | # | 69 |
| 95) | Benzyl Chloride | 11.92 | 91 | 885 | 0.57 | ppb | # | 77 |
| 96) | 1,3-DCB | 11.77 | 146 | 1887 | 0.52 | ppb | # | 74 |
| 97) | 1,4-DCB | 11.69 | 146 | 1368 | 0.37 | ppb | # | 79 |
| 98) | n-Butylbenzene | 12.14 | 91 | 1903 | 0.53 | ppb | # | 83 |
| 99) | 1,2-DCB | 12.13 | 146 | 1542 | 0.43 | ppb | | 95 |
| 100) | Hexachloroethane | 12.38 | 117 | 326 | 0.31 | ppb | | 94 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 993 | 3.06 | ppb | # | 64 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 475 | 1.53 | ppb | # | 71 |
| 104) | Naphthalene | 13.98 | 128 | 962 | 3.51 | ppb | # | 69 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 463 | 3.58 | ppb | # | 49 |

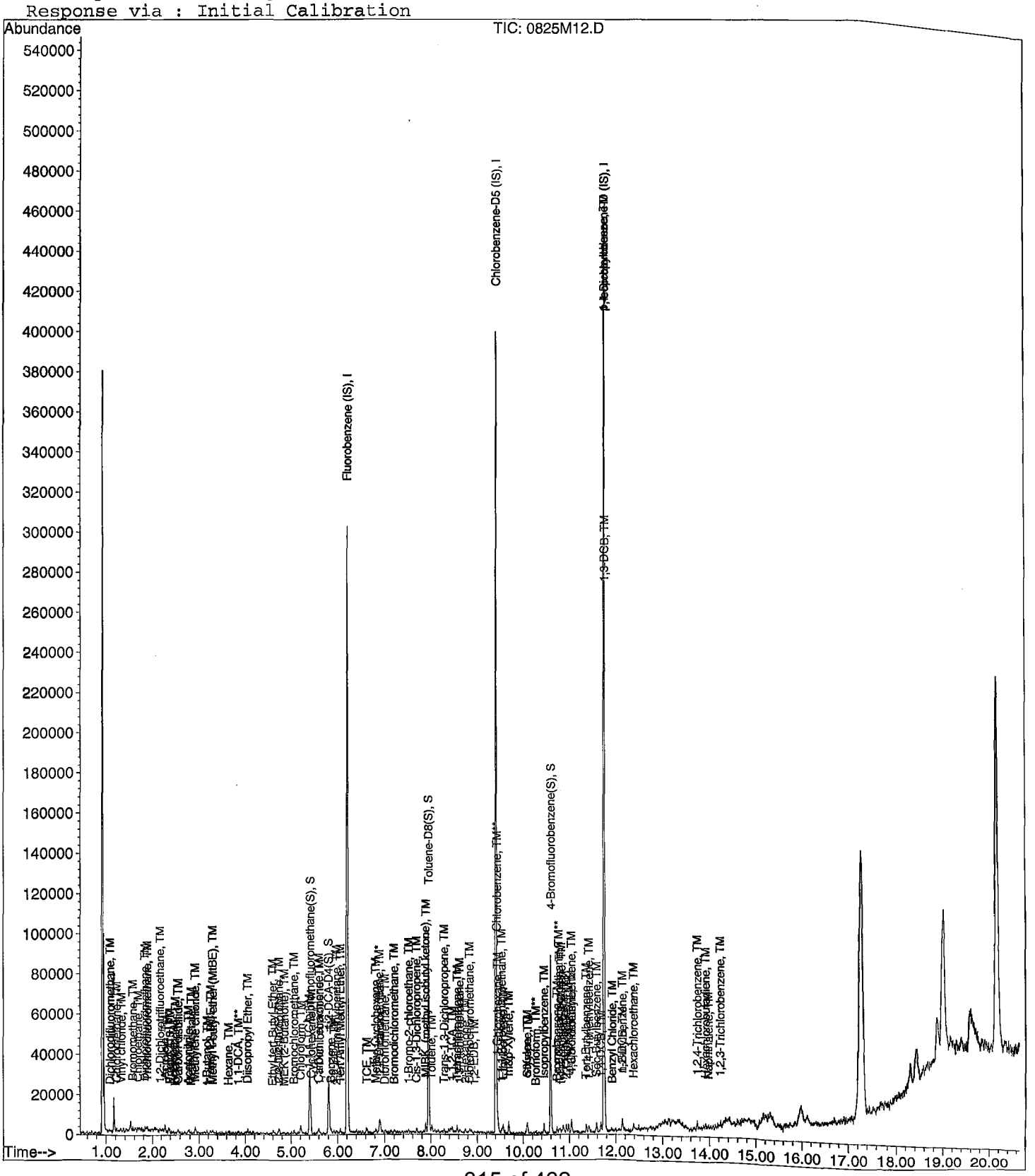
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 226950 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 138629 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 18480 | 5.67 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.664% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 11650 | 5.44 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 21.744% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 60175 | 5.65 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.616% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 23472 | 5.65 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 22.612% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 733 | 0.42 | ppb | # | 63 |
| 4) Freon 114 | 1.18 | 85 | 604 | 0.23 | ppb | | 95 |
| 5) Chloromethane | 1.22 | 50 | 649 | 0.66 | ppb | # | 76 |
| 6) Vinyl chloride | 1.31 | 62 | 607 | 0.53 | ppb | | 94 |
| 8) Bromomethane | 1.57 | 94 | 461 | 0.50 | ppb | | 87 |
| 9) Chloroethane | 1.73 | 64 | 445 | 0.81 | ppb | # | 42 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 1189 | 0.56 | ppb | | 91 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 1527 | 0.52 | ppb | | 79 |
| 13) Acrolein | 2.30 | 56 | 3301 | 23.18 | ppb | | 97 |
| 14) Acetone | 2.46 | 43 | 2098 | 12.87 | ppb | | 91 |
| 15) Freon-113 | 2.39 | 151 | 314 | 0.24 | ppb | # | 78 |
| 16) Acetonitrile | 2.77 | 41 | 2287 | 26.94 | ppb | | 96 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 797 | 0.96 | ppb | # | 90 |
| 19) 1,1-DCE | 2.37 | 61 | 1027 | 0.55 | ppb | # | 85 |
| 20) t-Butanol | 3.17 | 59 | 2716 | 24.68 | ppb | | 97 |
| 21) Methyl Acetate | 2.84 | 43 | 234 | 0.40 | ppb | # | 48 |
| 22) Iodomethane | 2.51 | 142 | 404 | 2.45 | ppb | # | 55 |
| 23) Acrylonitrile | 3.30 | 53 | 81 | 0.09 | ppb | # | 23 |
| 25) Methylene chloride | 2.91 | 84 | 959 | 0.42 | ppb | | 98 |
| 26) Carbon disulfide | 2.56 | 76 | 971 | 0.51 | ppb | # | 74 |
| 27) Methyl t-butyl ether (MtBE | 3.30 | 73 | 2075 | 0.51 | ppb | # | 77 |
| 28) Trans-1,2-DCE | 3.27 | 96 | 759 | 0.58 | ppb | # | 28 |
| 30) Hexane | 3.64 | 56 | 42 | 1.34 | ppb | # | 21 |
| 31) Diisopropyl Ether | 4.06 | 45 | 1372 | 0.53 | ppb | # | 82 |
| 32) 1,1-DCA | 3.86 | 63 | 1091 | 0.52 | ppb | | 92 |
| 33) Vinyl Acetate | 4.03 | 43 | 1473 | 0.38 | ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 1713 | 0.51 | ppb | # | 65 |
| 36) MEK (2-Butanone) | 4.83 | 43 | 1720 | 9.65 | ppb | # | 87 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 890 | 0.62 | ppb | # | 63 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 1512 | 0.63 | ppb | # | 55 |
| 39) Chloroform | 5.21 | 83 | 1394 | 0.53 | ppb | # | 68 |
| 40) Bromochloromethane | 5.06 | 130 | 521 | 0.47 | ppb | | 90 |
| 42) 1,1,1-TCA | 5.40 | 97 | 1565 | 0.55 | ppb | | 95 |
| 43) Cyclohexane | 5.43 | 41 | 494 | 0.45 | ppb | # | 60 |
| 44) 1,1-Dichloropropene | 5.62 | 75 | 915 | 0.55 | ppb | | 96 |
| 45) 2,2,4-Trimethylpentane | 5.99 | 57 | 1213 | 0.52 | ppb | # | 38 |
| 47) Carbon Tetrachloride | 5.60 | 117 | 1000 | 0.38 | ppb | # | 55 |
| 48) Tert Amyl Methyl Ether | 6.07 | 73 | 1814 | 0.55 | ppb | # | 95 |
| 49) 1,2-DCA | 5.91 | 62 | 1431 | 0.58 | ppb | # | 81 |
| 50) Benzene | 5.87 | 78 | 2462 | 0.53 | ppb | # | 83 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 806 | 0.56 | ppb | # | 69 |
| 52) | 2-Pentanone | 6.90 | 43 | 12486 | 21.38 | ppb | | 90 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 410 | 0.51 | ppb | # | 89 |
| 54) | Bromodichloromethane | 7.20 | 83 | 953 | 0.46 | ppb | | 93 |
| 55) | Methyl Cyclohexane | 6.83 | 83 | 1522 | 0.85 | ppb | # | 38 |
| 56) | Dibromomethane | 7.01 | 93 | 253 | 0.31 | ppb | # | 66 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 4001 | 11.44 | ppb | # | 92 |
| 58) | 1-Bromo-2-chloroethane | 7.53 | 144 | 49 | 0.17 | ppb | # | 15 |
| 60) | Cis-1,3-Dichloropropene | 7.70 | 39 | 613 | 0.53 | ppb | # | 62 |
| 61) | Toluene | 8.01 | 91 | 2820 | 0.54 | ppb | # | 69 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 957 | 0.52 | ppb | # | 65 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 496 | 0.43 | ppb | # | 63 |
| 64) | 2-Hexanone | 8.74 | 43 | 2301 | 10.07 | ppb | # | 65 |
| 67) | 1,2-EDB | 8.93 | 107 | 645 | 0.54 | ppb | | 85 |
| 68) | Tetrachloroethene | 8.57 | 164 | 549 | 0.49 | ppb | # | 78 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 715 | 0.52 | ppb | | 98 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 982 | 0.54 | ppb | # | 44 |
| 71) | m&p-Xylene | 9.68 | 106 | 2671 | 1.03 | ppb | | 90 |
| 72) | o-Xylene | 10.08 | 106 | 1546 | 0.60 | ppb | | 63 |
| 73) | Styrene | 10.10 | 104 | 2223 | 0.55 | ppb | # | 76 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 1044 | 0.60 | ppb | # | 79 |
| 76) | Dibromochloromethane | 8.84 | 129 | 809 | 0.48 | ppb | # | 63 |
| 77) | Chlorobenzene | 9.44 | 112 | 1848 | 0.47 | ppb | | 93 |
| 78) | Ethylbenzene | 9.57 | 91 | 3391 | 0.57 | ppb | | 86 |
| 79) | Bromoform | 10.27 | 173 | 566 | 0.42 | ppb | | 97 |
| 81) | Isopropylbenzene | 10.45 | 105 | 3354 | 0.53 | ppb | | 96 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 347 | 0.32 | ppb | | 97 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 248 | 0.51 | ppb | # | 41 |
| 84) | t-1,4-Dichloro-2-Butene | 10.83 | 53 | 119 | 0.44 | ppb | # | 14 |
| 85) | Bromobenzene | 10.73 | 156 | 1566 | 0.77 | ppb | # | 62 |
| 86) | n-Propylbenzene | 10.87 | 91 | 3621 | 0.57 | ppb | # | 77 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 3188 | 0.53 | ppb | | 85 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 2800 | 0.56 | ppb | | 91 |
| 89) | 1,3,5-Trimethylbenzene | 11.04 | 105 | 2835 | 0.54 | ppb | # | 74 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 2386 | 0.50 | ppb | | 86 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 2080 | 0.65 | ppb | # | 75 |
| 92) | 1,2,4-Trimethylbenzene | 11.42 | 105 | 2875 | 0.54 | ppb | | 84 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 3026 | 0.51 | ppb | # | 86 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 2852 | 0.49 | ppb | # | 75 |
| 95) | Benzyl Chloride | 11.91 | 91 | 753 | 0.48 | ppb | # | 84 |
| 96) | 1,3-DCB | 11.77 | 146 | 2036 | 0.56 | ppb | | 88 |
| 97) | 1,4-DCB | 11.68 | 146 | 2688 | 0.72 | ppb | # | 58 |
| 98) | n-Butylbenzene | 12.14 | 91 | 1849 | 0.51 | ppb | | 91 |
| 99) | 1,2-DCB | 12.13 | 146 | 2149 | 0.59 | ppb | # | 71 |
| 100) | Hexachloroethane | 12.38 | 117 | 537 | 0.51 | ppb | # | 46 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 67 | 1.90 | ppb | # | 21 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 849 | 3.02 | ppb | # | 69 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 617 | 1.60 | ppb | # | 81 |
| 104) | Naphthalene | 13.98 | 128 | 668 | 3.41 | ppb | # | 80 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 617 | 3.63 | ppb | # | 56 |

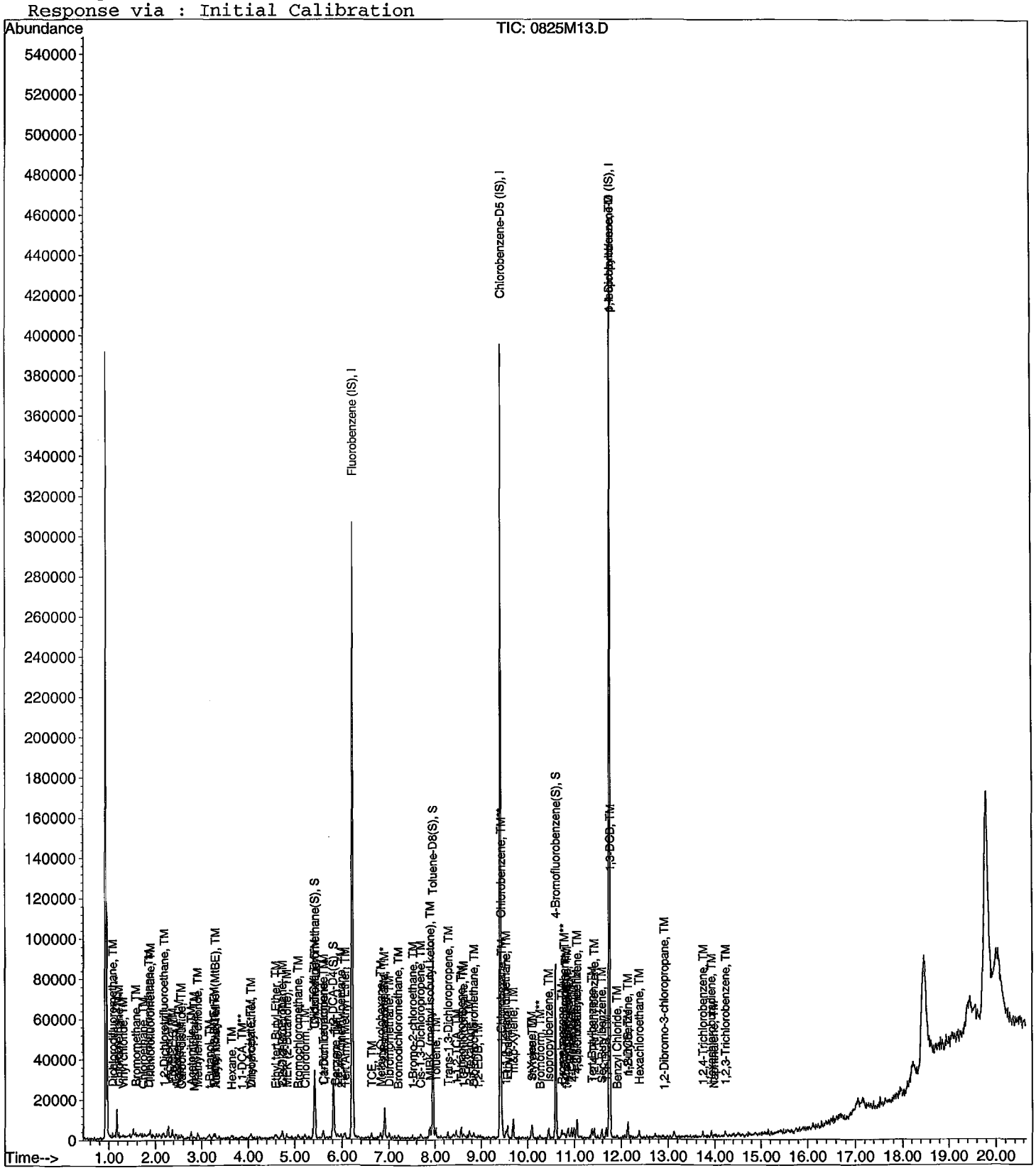
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 222702 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137225 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 29305 | 9.31 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 37.236% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 19664 | 9.51 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 38.024% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 102711 | 9.84 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 39.340% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 36297 | 8.91 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 35.632% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.08 | 85 | 1639 | 0.98 | ppb | # | 75 |
| 4) Freon 114 | 1.18 | 85 | 1528 | 1.19 | ppb | # | 66 |
| 5) Chloromethane | 1.22 | 50 | 1007 | 1.06 | ppb | # | 79 |
| 6) Vinyl chloride | 1.31 | 62 | 983 | 0.90 | ppb | | 86 |
| 8) Bromomethane | 1.57 | 94 | 1123 | 1.26 | ppb | # | 58 |
| 9) Chloroethane | 1.67 | 64 | 690 | 1.30 | ppb | | 92 |
| 10) Dichlorofluoromethane | 1.85 | 67 | 2255 | 1.10 | ppb | # | 81 |
| 11) Trichlorofluoromethane | 1.87 | 101 | 2768 | 0.98 | ppb | # | 70 |
| 13) Acrolein | 2.29 | 56 | 6972 | 50.72 | ppb | # | 78 |
| 14) Acetone | 2.46 | 43 | 3003 | 19.09 | ppb | | 87 |
| 15) Freon-113 | 2.37 | 151 | 1155 | 0.92 | ppb | # | 78 |
| 16) Acetonitrile | 2.76 | 41 | 3709 | 45.27 | ppb | # | 82 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 1454 | 1.54 | ppb | # | 57 |
| 19) 1,1-DCE | 2.37 | 61 | 2059 | 1.15 | ppb | | 96 |
| 20) t-Butanol | 3.16 | 59 | 4885 | 45.99 | ppb | | 98 |
| 21) Methyl Acetate | 2.83 | 43 | 540 | 0.95 | ppb | # | 57 |
| 22) Iodomethane | 2.51 | 142 | 621 | 2.61 | ppb | # | 74 |
| 23) Acrylonitrile | 3.25 | 53 | 134 | 0.28 | ppb | # | 42 |
| 25) Methylene chloride | 2.92 | 84 | 1950 | 1.37 | ppb | # | 73 |
| 26) Carbon disulfide | 2.56 | 76 | 2214 | 1.20 | ppb | # | 83 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 4887 | 1.26 | ppb | # | 88 |
| 28) Trans-1,2-DCE | 3.26 | 96 | 1220 | 0.96 | ppb | # | 61 |
| 30) Hexane | 3.65 | 56 | 416 | 2.04 | ppb | # | 69 |
| 31) Diisopropyl Ether | 4.05 | 45 | 2144 | 0.85 | ppb | # | 80 |
| 32) 1,1-DCA | 3.86 | 63 | 2504 | 1.24 | ppb | # | 90 |
| 33) Vinyl Acetate | 4.04 | 43 | 840 | -0.30 | ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 3698 | 1.13 | ppb | | 94 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 3248 | 18.87 | ppb | # | 94 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 1290 | 0.93 | ppb | | 94 |
| 38) 2,2-Dichloropropane | 4.74 | 77 | 2505 | 1.08 | ppb | # | 86 |
| 39) Chloroform | 5.21 | 83 | 2865 | 1.13 | ppb | | 91 |
| 40) Bromochloromethane | 5.07 | 130 | 1047 | 0.99 | ppb | # | 79 |
| 42) 1,1,1-TCA | 5.40 | 97 | 2876 | 1.05 | ppb | # | 84 |
| 43) Cyclohexane | 5.45 | 41 | 1185 | 1.31 | ppb | # | 44 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 1943 | 1.21 | ppb | | 91 |
| 45) 2,2,4-Trimethylpentane | 5.99 | 57 | 2163 | 0.95 | ppb | # | 71 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 2853 | 1.13 | ppb | | 98 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 3165 | 0.99 | ppb | # | 81 |
| 49) 1,2-DCA | 5.91 | 62 | 2911 | 1.21 | ppb | # | 83 |
| 50) Benzene | 5.85 | 78 | 4947 | 1.10 | ppb | # | 85 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.64 | 95 | 1624 | 1.17 | ppb | # | 74 |
| 52) | 2-Pentanone | 6.90 | 43 | 28925 | 51.33 | ppb | | 91 |
| 53) | 1,2-Dichloropropane | 6.87 | 63 | 710 | 1.11 | ppb | # | 89 |
| 54) | Bromodichloromethane | 7.20 | 83 | 2182 | 1.09 | ppb | | 87 |
| 55) | Methyl Cyclohexane | 6.83 | 83 | 1964 | 1.13 | ppb | # | 70 |
| 56) | Dibromomethane | 7.01 | 93 | 766 | 0.99 | ppb | | 87 |
| 57) | MIBK (methyl isobutyl ket | 7.88 | 43 | 6964 | 20.62 | ppb | # | 88 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 239 | 0.88 | ppb | # | 74 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 1065 | 0.96 | ppb | | 84 |
| 61) | Toluene | 8.02 | 91 | 5914 | 1.18 | ppb | | 87 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 1777 | 1.00 | ppb | # | 51 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 1200 | 1.39 | ppb | # | 68 |
| 64) | 2-Hexanone | 8.75 | 43 | 3731 | 16.91 | ppb | # | 88 |
| 67) | 1,2-EDB | 8.94 | 107 | 1158 | 1.00 | ppb | | 90 |
| 68) | Tetrachloroethene | 8.58 | 164 | 1137 | 1.03 | ppb | # | 74 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 1427 | 1.05 | ppb | | 90 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 2114 | 1.19 | ppb | | 99 |
| 71) | m&p-Xylene | 9.69 | 106 | 5427 | 2.13 | ppb | | 96 |
| 72) | o-Xylene | 10.08 | 106 | 2705 | 1.07 | ppb | | 92 |
| 73) | Styrene | 10.10 | 104 | 4247 | 1.06 | ppb | # | 85 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 1911 | 1.12 | ppb | # | 78 |
| 76) | Dibromochloromethane | 8.85 | 129 | 1741 | 1.05 | ppb | | 90 |
| 77) | Chlorobenzene | 9.44 | 112 | 4219 | 1.10 | ppb | | 94 |
| 78) | Ethylbenzene | 9.57 | 91 | 6045 | 1.03 | ppb | | 83 |
| 79) | Bromoform | 10.27 | 173 | 1406 | 1.06 | ppb | | 99 |
| 81) | Isopropylbenzene | 10.46 | 105 | 6518 | 1.04 | ppb | | 100 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 1181 | 1.11 | ppb | | 97 |
| 83) | 1,2,3-Trichloropropane | 10.79 | 110 | 485 | 1.00 | ppb | # | 80 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 199 | 0.75 | ppb | | 79 |
| 85) | Bromobenzene | 10.73 | 156 | 2069 | 1.03 | ppb | | 85 |
| 86) | n-Propylbenzene | 10.87 | 91 | 6522 | 1.03 | ppb | | 90 |
| 87) | 4-Ethyltoluene | 10.99 | 105 | 6288 | 1.06 | ppb | # | 79 |
| 88) | 2-Chlorotoluene | 10.94 | 91 | 6090 | 1.24 | ppb | | 98 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 5159 | 0.99 | ppb | | 93 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 5104 | 1.08 | ppb | | 99 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 3459 | 1.09 | ppb | | 94 |
| 92) | 1,2,4-Trimethylbenzene | 11.42 | 105 | 5851 | 1.11 | ppb | | 78 |
| 93) | Sec-Butylbenzene | 11.59 | 105 | 5618 | 0.95 | ppb | | 92 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 5571 | 0.96 | ppb | # | 89 |
| 95) | Benzyl Chloride | 11.91 | 91 | 1758 | 1.14 | ppb | # | 58 |
| 96) | 1,3-DCB | 11.77 | 146 | 3582 | 1.00 | ppb | | 82 |
| 97) | 1,4-DCB | 11.68 | 146 | 4542 | 1.23 | ppb | | 85 |
| 98) | n-Butylbenzene | 12.15 | 91 | 3433 | 0.96 | ppb | # | 86 |
| 99) | 1,2-DCB | 12.14 | 146 | 4128 | 1.15 | ppb | # | 91 |
| 100) | Hexachloroethane | 12.38 | 117 | 1240 | 1.20 | ppb | # | 70 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 389 | 2.58 | ppb | | 92 |
| 102) | 1,2,4-Trichlorobenzene | 13.75 | 180 | 1455 | 3.20 | ppb | | 88 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 1403 | 2.01 | ppb | # | 65 |
| 104) | Naphthalene | 13.99 | 128 | 978 | 3.51 | ppb | # | 73 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 1566 | 3.95 | ppb | # | 60 |

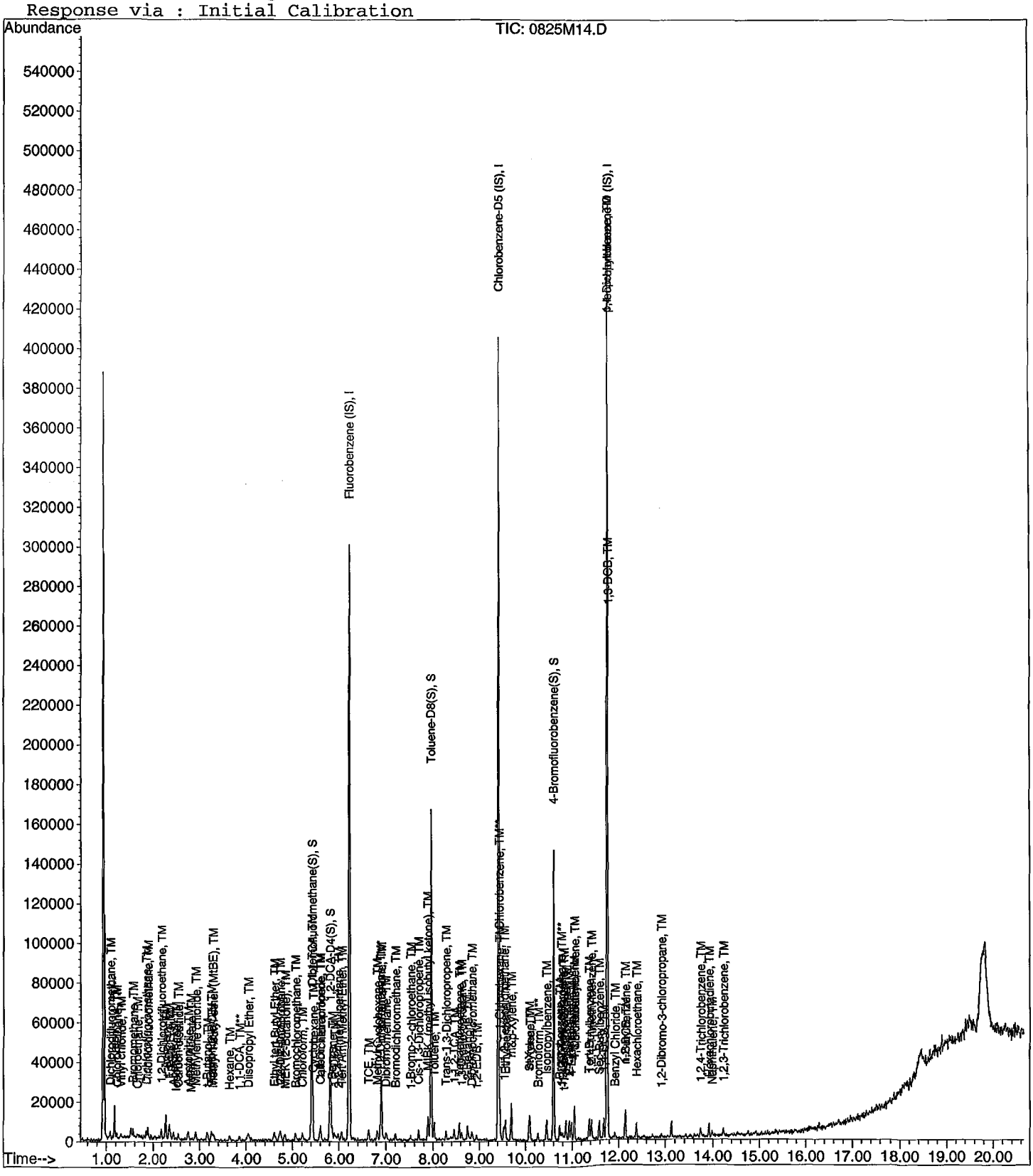
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.42 | 117 | 218570 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137104 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 29818 | 9.48 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 37.936% | | | | |
| 46) 1,2-DCA-D4(S) | 5.82 | 65 | 20128 | 9.74 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 38.968% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 96059 | 9.37 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 37.488% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 37545 | 9.39 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 37.556% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 3455 | 2.07 | ppb | # | 89 |
| 4) Freon 114 | 1.18 | 85 | 2501 | 2.18 | ppb | # | 65 |
| 5) Chloromethane | 1.22 | 50 | 1923 | 2.04 | ppb | # | 76 |
| 6) Vinyl chloride | 1.31 | 62 | 2350 | 2.15 | ppb | # | 77 |
| 8) Bromomethane | 1.57 | 94 | 1777 | 1.99 | ppb | | 99 |
| 9) Chloroethane | 1.66 | 64 | 986 | 1.86 | ppb | # | 80 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 4173 | 2.04 | ppb | | 86 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 5478 | 1.95 | ppb | | 97 |
| 13) Acrolein | 2.29 | 56 | 10611 | 77.29 | ppb | | 94 |
| 14) Acetone | 2.46 | 43 | 4812 | 30.63 | ppb | # | 79 |
| 15) Freon-113 | 2.38 | 151 | 2763 | 2.20 | ppb | # | 86 |
| 16) Acetonitrile | 2.76 | 41 | 6172 | 75.42 | ppb | # | 69 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 3004 | 2.86 | ppb | # | 89 |
| 19) 1,1-DCE | 2.37 | 61 | 4016 | 2.24 | ppb | | 97 |
| 20) t-Butanol | 3.16 | 59 | 7984 | 75.26 | ppb | # | 82 |
| 21) Methyl Acetate | 2.83 | 43 | 1482 | 2.61 | ppb | | 96 |
| 22) Iodomethane | 2.50 | 142 | 1297 | 3.06 | ppb | # | 76 |
| 23) Acrylonitrile | 3.25 | 53 | 671 | 2.10 | ppb | # | 63 |
| 25) Methylene chloride | 2.92 | 84 | 3007 | 2.35 | ppb | | 83 |
| 26) Carbon disulfide | 2.56 | 76 | 4369 | 2.38 | ppb | # | 78 |
| 27) Methyl t-butyl ether (MtBE | 3.30 | 73 | 7914 | 2.04 | ppb | | 95 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 2828 | 2.23 | ppb | | 78 |
| 30) Hexane | 3.65 | 56 | 886 | 2.92 | ppb | | 100 |
| 31) Diisopropyl Ether | 4.05 | 45 | 5709 | 2.28 | ppb | # | 80 |
| 32) 1,1-DCA | 3.86 | 63 | 4380 | 2.17 | ppb | # | 88 |
| 33) Vinyl Acetate | 4.03 | 43 | 3087 | 2.32 | ppb | # | 76 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 6467 | 1.98 | ppb | | 92 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 4944 | 28.76 | ppb | # | 95 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 3145 | 2.26 | ppb | | 78 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 5128 | 2.21 | ppb | # | 86 |
| 39) Chloroform | 5.21 | 83 | 5207 | 2.05 | ppb | | 89 |
| 40) Bromochloromethane | 5.07 | 130 | 2192 | 2.07 | ppb | # | 86 |
| 42) 1,1,1-TCA | 5.40 | 97 | 5253 | 1.92 | ppb | | 95 |
| 43) Cyclohexane | 5.43 | 41 | 1989 | 2.29 | ppb | | 84 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 3300 | 2.06 | ppb | | 86 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 4530 | 2.00 | ppb | # | 76 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 5163 | 2.05 | ppb | # | 80 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 7106 | 2.23 | ppb | | 96 |
| 49) 1,2-DCA | 5.91 | 62 | 5030 | 2.10 | ppb | | 99 |
| 50) Benzene | 5.86 | 78 | 9365 | 2.09 | ppb | | 94 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 2803 | 2.03 | ppb | | 88 |
| 52) | 2-Pentanone | 6.90 | 43 | 42717 | 75.89 | ppb | | 98 |
| 53) | 1,2-Dichloropropane | 6.89 | 63 | 881 | 1.44 | ppb | # | 73 |
| 54) | Bromodichloromethane | 7.20 | 83 | 4865 | 2.44 | ppb | | 75 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 3833 | 2.21 | ppb | | 95 |
| 56) | Dibromomethane | 7.00 | 93 | 1811 | 2.33 | ppb | | 86 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 10222 | 30.31 | ppb | # | 92 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 523 | 1.93 | ppb | | 94 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 2597 | 2.33 | ppb | # | 72 |
| 61) | Toluene | 8.02 | 91 | 10242 | 2.04 | ppb | | 93 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 3375 | 1.89 | ppb | # | 69 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 1635 | 1.96 | ppb | | 72 |
| 64) | 2-Hexanone | 8.75 | 43 | 6866 | 31.16 | ppb | | 99 |
| 67) | 1,2-EDB | 8.93 | 107 | 2676 | 2.35 | ppb | # | 74 |
| 68) | Tetrachloroethene | 8.57 | 164 | 2457 | 2.27 | ppb | | 92 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 2746 | 2.06 | ppb | | 83 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 3638 | 2.09 | ppb | | 90 |
| 71) | m&p-Xylene | 9.69 | 106 | 10100 | 4.03 | ppb | | 85 |
| 72) | o-Xylene | 10.08 | 106 | 5080 | 2.05 | ppb | | 99 |
| 73) | Styrene | 10.10 | 104 | 8742 | 2.23 | ppb | # | 91 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 3122 | 1.86 | ppb | | 94 |
| 76) | Dibromochloromethane | 8.84 | 129 | 3869 | 2.37 | ppb | | 91 |
| 77) | Chlorobenzene | 9.44 | 112 | 7635 | 2.03 | ppb | # | 81 |
| 78) | Ethylbenzene | 9.57 | 91 | 12669 | 2.20 | ppb | | 94 |
| 79) | Bromoform | 10.27 | 173 | 2923 | 2.25 | ppb | # | 79 |
| 81) | Isopropylbenzene | 10.45 | 105 | 14087 | 2.25 | ppb | | 97 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.76 | 83 | 2362 | 2.23 | ppb | # | 78 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 933 | 1.93 | ppb | # | 61 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 612 | 2.31 | ppb | | 88 |
| 85) | Bromobenzene | 10.73 | 156 | 4355 | 2.17 | ppb | | 83 |
| 86) | n-Propylbenzene | 10.86 | 91 | 13123 | 2.07 | ppb | | 95 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 12609 | 2.12 | ppb | | 91 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 10746 | 2.19 | ppb | | 86 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 10994 | 2.11 | ppb | # | 75 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 9816 | 2.08 | ppb | | 83 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 5763 | 1.82 | ppb | | 87 |
| 92) | 1,2,4-Trimethylbenzene | 11.42 | 105 | 10267 | 1.95 | ppb | | 94 |
| 93) | Sec-Butylbenzene | 11.59 | 105 | 11676 | 1.98 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 12134 | 2.10 | ppb | | 93 |
| 95) | Benzyl Chloride | 11.92 | 91 | 2776 | 1.80 | ppb | | 89 |
| 96) | 1,3-DCB | 11.77 | 146 | 7858 | 2.19 | ppb | | 96 |
| 97) | 1,4-DCB | 11.68 | 146 | 7558 | 2.04 | ppb | | 95 |
| 98) | n-Butylbenzene | 12.14 | 91 | 5952 | 1.66 | ppb | | 90 |
| 99) | 1,2-DCB | 12.14 | 146 | 7057 | 1.96 | ppb | # | 80 |
| 100) | Hexachloroethane | 12.38 | 117 | 1776 | 1.72 | ppb | | 94 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 602 | 3.03 | ppb | # | 77 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 3289 | 3.75 | ppb | # | 90 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 2914 | 2.80 | ppb | | 99 |
| 104) | Naphthalene | 13.99 | 128 | 2299 | 3.95 | ppb | # | 86 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 2274 | 4.19 | ppb | | 78 |

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

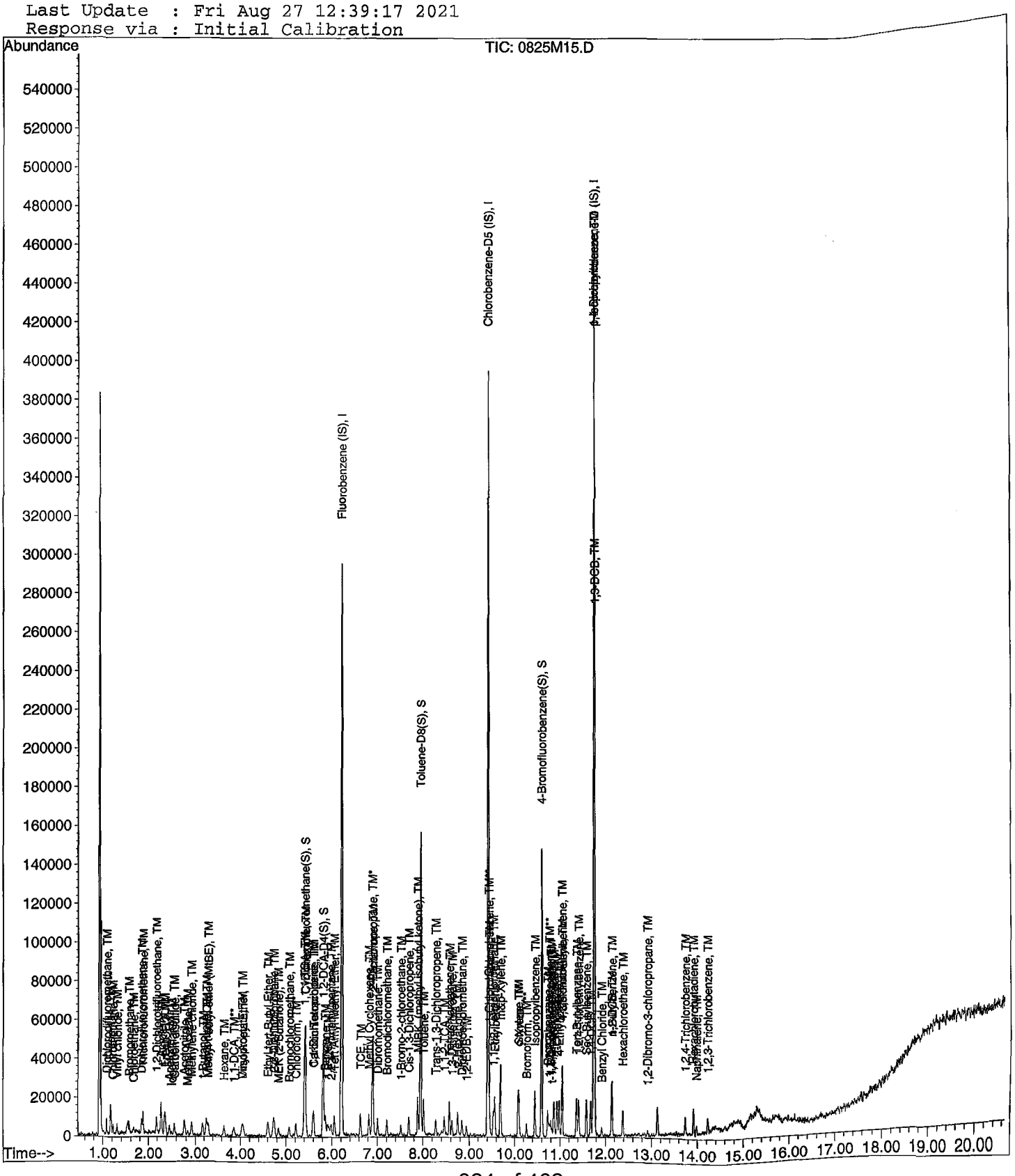
Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 219379 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 136215 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 75090 | 23.80 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 95.204% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 51096 | 24.65 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.580% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 252960 | 24.59 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.356% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 101253 | 25.23 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 100.908% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 6689 | 4.00 | ppb | # | 84 |
| 4) Freon 114 | 1.18 | 85 | 4070 | 3.76 | ppb | | 85 |
| 5) Chloromethane | 1.22 | 50 | 4163 | 4.39 | ppb | | 93 |
| 6) Vinyl chloride | 1.31 | 62 | 4520 | 4.12 | ppb | | 95 |
| 8) Bromomethane | 1.56 | 94 | 4110 | 4.60 | ppb | | 80 |
| 9) Chloroethane | 1.66 | 64 | 2343 | 4.41 | ppb | # | 48 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 9358 | 4.56 | ppb | | 91 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 12395 | 4.40 | ppb | | 99 |
| 13) Acrolein | 2.29 | 56 | 13836 | 100.44 | ppb | | 89 |
| 14) Acetone | 2.46 | 43 | 6365 | 40.37 | ppb | # | 78 |
| 15) Freon-113 | 2.38 | 151 | 5379 | 4.27 | ppb | # | 77 |
| 16) Acetonitrile | 2.77 | 41 | 7823 | 95.27 | ppb | # | 88 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 4426 | 4.05 | ppb | # | 92 |
| 19) 1,1-DCE | 2.36 | 61 | 6538 | 3.63 | ppb | # | 83 |
| 20) t-Butanol | 3.16 | 59 | 10605 | 99.62 | ppb | # | 86 |
| 21) Methyl Acetate | 2.82 | 43 | 2469 | 4.33 | ppb | | 98 |
| 22) Iodomethane | 2.51 | 142 | 2763 | 4.03 | ppb | # | 87 |
| 23) Acrylonitrile | 3.26 | 53 | 724 | 2.27 | ppb | # | 66 |
| 25) Methylene chloride | 2.92 | 84 | 5291 | 4.44 | ppb | | 92 |
| 26) Carbon disulfide | 2.56 | 76 | 7170 | 3.89 | ppb | | 98 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 15598 | 4.00 | ppb | | 95 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 5906 | 4.65 | ppb | # | 68 |
| 30) Hexane | 3.65 | 56 | 1581 | 4.21 | ppb | | 100 |
| 31) Diisopropyl Ether | 4.05 | 45 | 10893 | 4.33 | ppb | # | 82 |
| 32) 1,1-DCA | 3.86 | 63 | 8028 | 3.96 | ppb | # | 83 |
| 33) Vinyl Acetate | 4.03 | 43 | 5281 | 4.85 | ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 13327 | 4.07 | ppb | | 95 |
| 36) MEK (2-Butanone) | 4.83 | 43 | 6852 | 39.72 | ppb | # | 76 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 5696 | 4.08 | ppb | | 83 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 10230 | 4.39 | ppb | # | 91 |
| 39) Chloroform | 5.22 | 83 | 9794 | 3.85 | ppb | | 95 |
| 40) Bromochloromethane | 5.06 | 130 | 4642 | 4.36 | ppb | # | 82 |
| 42) 1,1,1-TCA | 5.40 | 97 | 11860 | 4.32 | ppb | | 91 |
| 43) Cyclohexane | 5.44 | 41 | 3669 | 4.31 | ppb | | 78 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 6331 | 3.94 | ppb | # | 85 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 9486 | 4.18 | ppb | | 94 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 10573 | 4.19 | ppb | | 85 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 13131 | 4.11 | ppb | | 98 |
| 49) 1,2-DCA | 5.91 | 62 | 8949 | 3.73 | ppb | # | 87 |
| 50) Benzene | 5.86 | 78 | 17960 | 3.99 | ppb | | 92 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M16.D Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 5445 | 3.93 | ppb | | 86 |
| 52) | 2-Pentanone | 6.90 | 43 | 58944 | 104.36 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 2306 | 4.15 | ppb | # | 96 |
| 54) | Bromodichloromethane | 7.20 | 83 | 7758 | 3.88 | ppb | | 98 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 6977 | 4.01 | ppb | | 95 |
| 56) | Dibromomethane | 7.00 | 93 | 3400 | 4.36 | ppb | | 87 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 12933 | 38.22 | ppb | | 90 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 1337 | 4.91 | ppb | | 93 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 4671 | 4.18 | ppb | | 85 |
| 61) | Toluene | 8.02 | 91 | 19618 | 3.90 | ppb | | 88 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 7287 | 4.07 | ppb | | 89 |
| 63) | 1,1,2-TCA | 8.45 | 83 | 2784 | 3.47 | ppb | | 81 |
| 64) | 2-Hexanone | 8.75 | 43 | 8873 | 40.13 | ppb | # | 83 |
| 67) | 1,2-EDB | 8.94 | 107 | 4095 | 3.58 | ppb | | 95 |
| 68) | Tetrachloroethene | 8.57 | 164 | 4621 | 4.25 | ppb | | 81 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 5252 | 3.92 | ppb | | 95 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 6660 | 3.81 | ppb | | 87 |
| 71) | m&p-Xylene | 9.69 | 106 | 20536 | 8.16 | ppb | | 82 |
| 72) | o-Xylene | 10.08 | 106 | 9179 | 3.69 | ppb | | 95 |
| 73) | Styrene | 10.10 | 104 | 14509 | 3.69 | ppb | | 94 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 6894 | 4.08 | ppb | | 95 |
| 76) | Dibromochloromethane | 8.84 | 129 | 6358 | 3.88 | ppb | | 83 |
| 77) | Chlorobenzene | 9.44 | 112 | 14860 | 3.94 | ppb | | 99 |
| 78) | Ethylbenzene | 9.56 | 91 | 22047 | 3.81 | ppb | | 97 |
| 79) | Bromoform | 10.27 | 173 | 4950 | 3.79 | ppb | # | 73 |
| 81) | Isopropylbenzene | 10.46 | 105 | 24994 | 4.02 | ppb | | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 3932 | 3.74 | ppb | | 92 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 1732 | 3.60 | ppb | # | 68 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 1120 | 4.25 | ppb | # | 71 |
| 85) | Bromobenzene | 10.73 | 156 | 7476 | 3.74 | ppb | | 81 |
| 86) | n-Propylbenzene | 10.87 | 91 | 24120 | 3.84 | ppb | | 97 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 23286 | 3.94 | ppb | | 99 |
| 88) | 2-Chlorotoluene | 10.94 | 91 | 19993 | 4.10 | ppb | | 94 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 20869 | 4.04 | ppb | | 93 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 19824 | 4.22 | ppb | | 96 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 12373 | 3.94 | ppb | | 89 |
| 92) | 1,2,4-Trimethylbenzene | 11.42 | 105 | 19098 | 3.66 | ppb | | 99 |
| 93) | Sec-Butylbenzene | 11.59 | 105 | 23716 | 4.06 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 21873 | 3.81 | ppb | | 98 |
| 95) | Benzyl Chloride | 11.92 | 91 | 6693 | 4.36 | ppb | | 93 |
| 96) | 1,3-DCB | 11.77 | 146 | 14709 | 4.13 | ppb | | 90 |
| 97) | 1,4-DCB | 11.68 | 146 | 14686 | 3.99 | ppb | | 92 |
| 98) | n-Butylbenzene | 12.14 | 91 | 13940 | 3.91 | ppb | | 98 |
| 99) | 1,2-DCB | 12.14 | 146 | 13451 | 3.77 | ppb | | 98 |
| 100) | Hexachloroethane | 12.38 | 117 | 4653 | 4.52 | ppb | | 94 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 1401 | 4.73 | ppb | # | 88 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 5917 | 4.55 | ppb | # | 81 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 5168 | 4.00 | ppb | | 92 |
| 104) | Naphthalene | 13.99 | 128 | 4840 | 4.80 | ppb | # | 94 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 5586 | 5.33 | ppb | # | 90 |

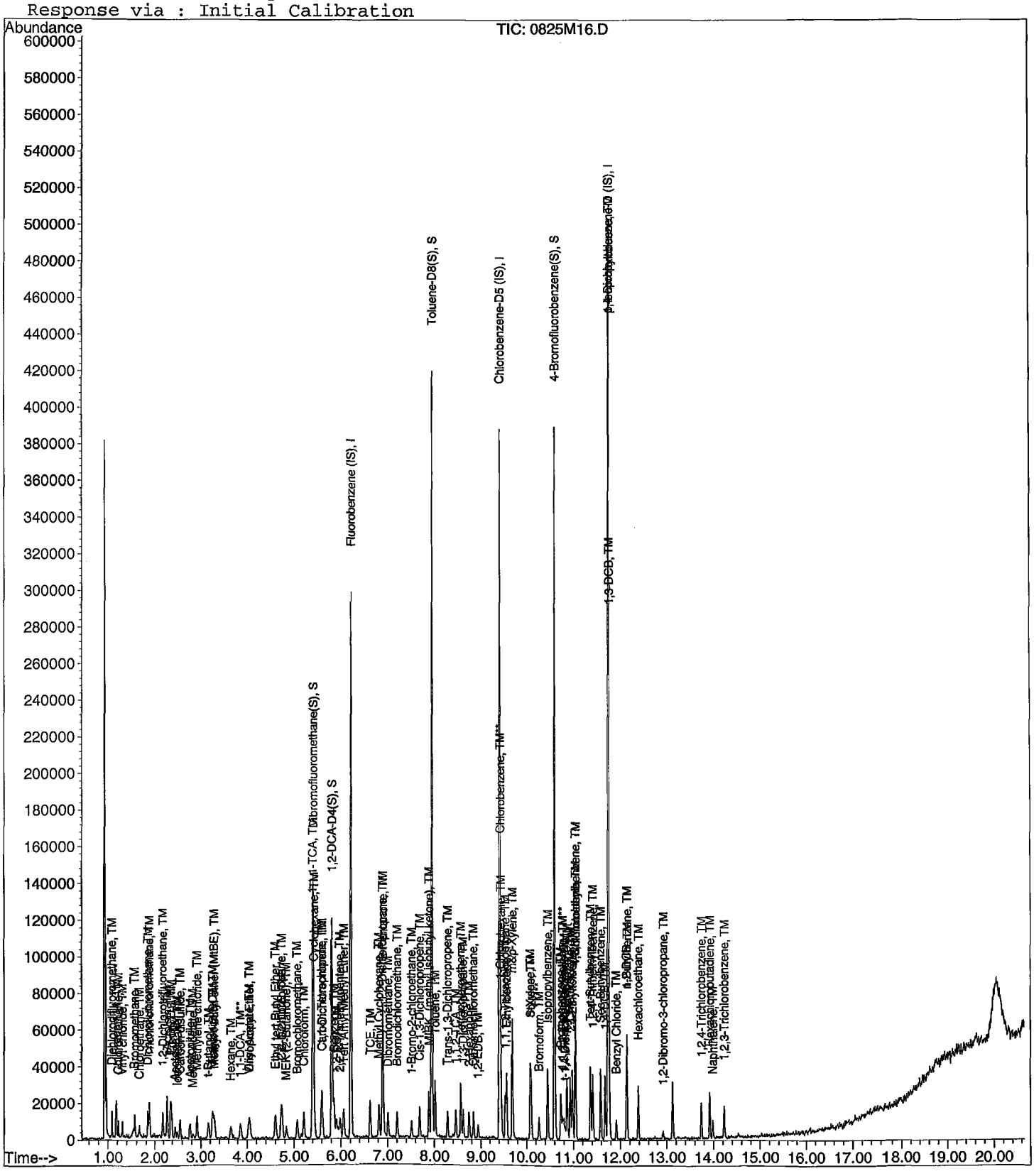
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M16.D  Vial: 6
Acq On : 25 Aug 21 17:07  Operator: LP,DG,CH
Sample : 5ug/L VOC STD 8/25/21  Inst : Max
Misc : IS&S 6/4/21  Multiplr: 1.00

Quant Time: Aug 26 10:54 2021  Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 215380 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 136295 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 77116 | 24.51 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.044% | | | | |
| 46) 1,2-DCA-D4(S) | 5.82 | 65 | 49768 | 24.07 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 96.284% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 250522 | 24.80 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.216% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 100010 | 25.38 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.520% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.08 | 85 | 16896 | 10.14 | ppb | | 100 |
| 4) Freon 114 | 1.18 | 85 | 10255 | 10.05 | ppb | | 100 |
| 5) Chloromethane | 1.22 | 50 | 9050 | 9.57 | ppb | | 100 |
| 6) Vinyl chloride | 1.31 | 62 | 11556 | 10.55 | ppb | | 100 |
| 8) Bromomethane | 1.56 | 94 | 7436 | 8.34 | ppb | | 100 |
| 9) Chloroethane | 1.66 | 64 | 5341 | 10.09 | ppb | | 100 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 19706 | 9.63 | ppb | | 100 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 28494 | 10.14 | ppb | | 100 |
| 13) Acrolein | 2.29 | 56 | 17159 | 124.90 | ppb | | 100 |
| 14) Acetone | 2.46 | 43 | 8186 | 52.07 | ppb | | 100 |
| 15) Freon-113 | 2.38 | 151 | 12849 | 10.23 | ppb | | 100 |
| 16) Acetonitrile | 2.76 | 41 | 9883 | 120.69 | ppb | | 100 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 10064 | 8.83 | ppb | | 100 |
| 19) 1,1-DCE | 2.36 | 61 | 18272 | 10.18 | ppb | | 100 |
| 20) t-Butanol | 3.16 | 59 | 13832 | 130.30 | ppb | | 100 |
| 21) Methyl Acetate | 2.83 | 43 | 5415 | 9.53 | ppb | | 100 |
| 22) Iodomethane | 2.51 | 142 | 9197 | 8.33 | ppb | | 100 |
| 23) Acrylonitrile | 3.26 | 53 | 3421 | 11.41 | ppb | | 100 |
| 25) Methylene chloride | 2.92 | 84 | 10837 | 9.56 | ppb | | 100 |
| 26) Carbon disulfide | 2.56 | 76 | 16568 | 9.01 | ppb | | 100 |
| 27) Methyl t-butyl ether (MtBE | 3.30 | 73 | 38344 | 9.86 | ppb | | 100 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 11642 | 9.19 | ppb | | 100 |
| 30) Hexane | 3.66 | 56 | 4203 | 9.12 | ppb | | 100 |
| 31) Diisopropyl Ether | 4.05 | 45 | 26565 | 10.58 | ppb | | 100 |
| 32) 1,1-DCA | 3.86 | 63 | 19254 | 9.52 | ppb | | 100 |
| 33) Vinyl Acetate | 4.02 | 43 | 14660 | 15.79 | ppb | # | 71 |
| 34) Ethyl tert Butyl Ether | 4.61 | 59 | 33727 | 10.33 | ppb | | 100 |
| 36) MEK (2-Butanone) | 4.83 | 43 | 8835 | 51.36 | ppb | | 100 |
| 37) Cis-1,2-DCE | 4.74 | 96 | 15050 | 10.81 | ppb | | 100 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 23042 | 9.91 | ppb | | 100 |
| 39) Chloroform | 5.21 | 83 | 26369 | 10.38 | ppb | | 100 |
| 40) Bromochloromethane | 5.07 | 130 | 10798 | 10.18 | ppb | | 100 |
| 42) 1,1,1-TCA | 5.39 | 97 | 28124 | 10.28 | ppb | | 100 |
| 43) Cyclohexane | 5.44 | 41 | 8110 | 9.70 | ppb | | 100 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 14763 | 9.21 | ppb | | 100 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 23941 | 10.57 | ppb | | 100 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 27507 | 10.92 | ppb | | 100 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 33005 | 10.35 | ppb | | 100 |
| 49) 1,2-DCA | 5.91 | 62 | 22900 | 9.56 | ppb | | 100 |
| 50) Benzene | 5.86 | 78 | 45014 | 10.04 | ppb | | 100 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc Unit | Qvalue |
|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 13181 | 9.53 ppb | 100 |
| 52) | 2-Pentanone | 6.90 | 43 | 69290 | 123.02 ppb | 100 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 5306 | 9.90 ppb | 100 |
| 54) | Bromodichloromethane | 7.20 | 83 | 19460 | 9.75 ppb | 100 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 17567 | 10.12 ppb | 100 |
| 56) | Dibromomethane | 7.01 | 93 | 7535 | 9.70 ppb | 100 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 15819 | 46.88 ppb | 100 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 2947 | 10.85 ppb | 100 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 10515 | 9.44 ppb | 100 |
| 61) | Toluene | 8.02 | 91 | 50174 | 10.00 ppb | 100 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 18155 | 10.18 ppb | 100 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 7794 | 10.11 ppb | 100 |
| 64) | 2-Hexanone | 8.75 | 43 | 11203 | 50.81 ppb | 100 |
| 67) | 1,2-EDB | 8.94 | 107 | 12212 | 10.86 ppb | 100 |
| 68) | Tetrachloroethene | 8.57 | 164 | 10883 | 10.18 ppb | 100 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 13264 | 10.09 ppb | 100 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.54 | 131 | 16859 | 9.83 ppb | 100 |
| 71) | m&p-Xylene | 9.69 | 106 | 48583 | 19.67 ppb | 100 |
| 72) | o-Xylene | 10.08 | 106 | 24454 | 10.02 ppb | 100 |
| 73) | Styrene | 10.10 | 104 | 39362 | 10.19 ppb | 100 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 16764 | 10.11 ppb | 100 |
| 76) | Dibromochloromethane | 8.84 | 129 | 17303 | 10.76 ppb | 100 |
| 77) | Chlorobenzene | 9.44 | 112 | 38480 | 10.39 ppb | 100 |
| 78) | Ethylbenzene | 9.56 | 91 | 56746 | 9.99 ppb | 100 |
| 79) | Bromoform | 10.27 | 173 | 14037 | 10.96 ppb | 100 |
| 81) | Isopropylbenzene | 10.45 | 105 | 64348 | 10.33 ppb | 100 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 10483 | 9.96 ppb | 100 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 5581 | 11.59 ppb | 100 |
| 84) | t-1,4-Dichloro-2-Butene | 10.83 | 53 | 2718 | 10.31 ppb | 100 |
| 85) | Bromobenzene | 10.73 | 156 | 21739 | 10.88 ppb | 100 |
| 86) | n-Propylbenzene | 10.87 | 91 | 64892 | 10.32 ppb | 100 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 60272 | 10.19 ppb | 100 |
| 88) | 2-Chlorotoluene | 10.94 | 91 | 49239 | 10.09 ppb | 100 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 53821 | 10.41 ppb | 100 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 48614 | 10.34 ppb | 100 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 33384 | 10.62 ppb | 100 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 53631 | 10.26 ppb | 100 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 62195 | 10.63 ppb | 100 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 59578 | 10.38 ppb | 100 |
| 95) | Benzyl Chloride | 11.92 | 91 | 15444 | 10.06 ppb | 100 |
| 96) | 1,3-DCB | 11.77 | 146 | 37544 | 10.54 ppb | 100 |
| 97) | 1,4-DCB | 11.68 | 146 | 36742 | 9.99 ppb | 100 |
| 98) | n-Butylbenzene | 12.14 | 91 | 36793 | 10.32 ppb | 100 |
| 99) | 1,2-DCB | 12.13 | 146 | 37670 | 10.54 ppb | 100 |
| 100) | Hexachloroethane | 12.38 | 117 | 10122 | 9.83 ppb | 100 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 4360 | 10.99 ppb | 100 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 20531 | 8.97 ppb | 100 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 16563 | 10.00 ppb | 100 |
| 104) | Naphthalene | 13.98 | 128 | 16528 | 8.69 ppb | 100 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 17389 | 9.37 ppb | 100 |

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

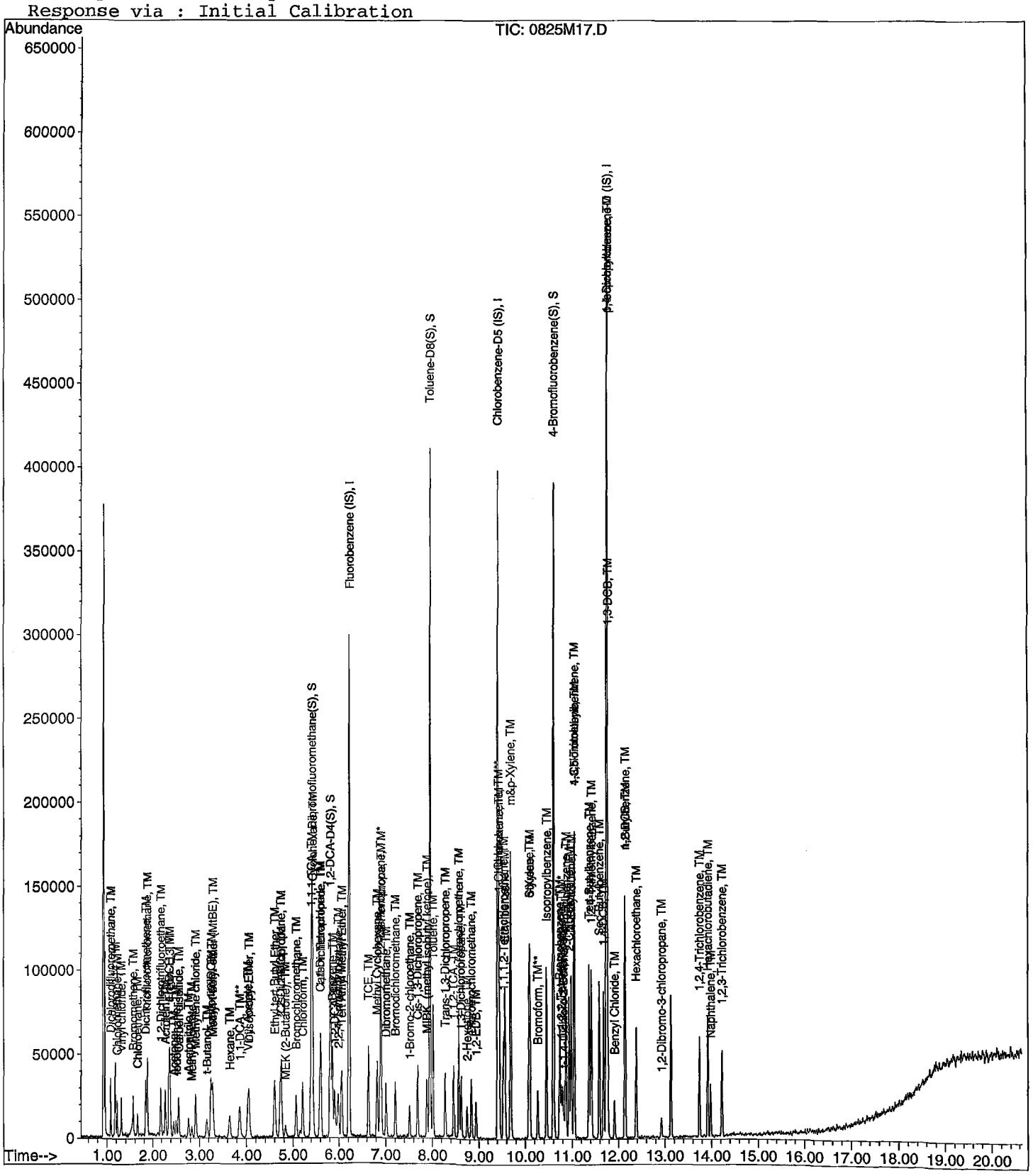
Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 222674 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 141752 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 153975 | 49.49 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 197.940% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 102408 | 50.08 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 200.332% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 499120 | 47.80 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 191.196% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 195414 | 47.97 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 191.868% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 31876 | 19.33 | ppb | # | 85 |
| 4) Freon 114 | 1.18 | 85 | 18872 | 19.00 | ppb | | 98 |
| 5) Chloromethane | 1.22 | 50 | 19048 | 20.37 | ppb | | 95 |
| 6) Vinyl chloride | 1.31 | 62 | 20515 | 18.94 | ppb | | 95 |
| 8) Bromomethane | 1.56 | 94 | 17656 | 20.02 | ppb | | 89 |
| 9) Chloroethane | 1.66 | 64 | 10446 | 19.95 | ppb | | 100 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 38225 | 18.89 | ppb | | 91 |
| 11) Trichlorofluoromethane | 1.87 | 101 | 55308 | 19.91 | ppb | | 96 |
| 13) Acrolein | 2.29 | 56 | 21574 | 158.79 | ppb | | 89 |
| 14) Acetone | 2.46 | 43 | 8507 | 54.71 | ppb | | 84 |
| 15) Freon-113 | 2.38 | 151 | 25034 | 20.16 | ppb | # | 90 |
| 16) Acetonitrile | 2.76 | 41 | 11722 | 144.74 | ppb | # | 86 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 23040 | 20.02 | ppb | # | 93 |
| 19) 1,1-DCE | 2.36 | 61 | 32040 | 18.05 | ppb | # | 90 |
| 20) t-Butanol | 3.17 | 59 | 16052 | 152.89 | ppb | | 100 |
| 21) Methyl Acetate | 2.83 | 43 | 10469 | 18.62 | ppb | | 98 |
| 22) Iodomethane | 2.51 | 142 | 20259 | 15.87 | ppb | | 96 |
| 23) Acrylonitrile | 3.25 | 53 | 5995 | 20.35 | ppb | # | 78 |
| 25) Methylene chloride | 2.91 | 84 | 20888 | 19.05 | ppb | | 91 |
| 26) Carbon disulfide | 2.56 | 76 | 34000 | 18.69 | ppb | | 98 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 73211 | 19.04 | ppb | | 97 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 24837 | 19.83 | ppb | | 83 |
| 30) Hexane | 3.65 | 56 | 9633 | 19.47 | ppb | # | 84 |
| 31) Diisopropyl Ether | 4.05 | 45 | 49009 | 19.74 | ppb | | 94 |
| 32) 1,1-DCA | 3.86 | 63 | 36789 | 18.39 | ppb | | 97 |
| 33) Vinyl Acetate | 4.03 | 43 | 25627 | 28.88 | ppb | # | 92 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 60651 | 18.78 | ppb | | 93 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 10938 | 64.29 | ppb | | 94 |
| 37) Cis-1,2-DCE | 4.74 | 96 | 26699 | 19.39 | ppb | | 86 |
| 38) 2,2-Dichloropropane | 4.73 | 77 | 44044 | 19.14 | ppb | | 97 |
| 39) Chloroform | 5.21 | 83 | 46017 | 18.32 | ppb | | 86 |
| 40) Bromochloromethane | 5.06 | 130 | 21091 | 20.10 | ppb | # | 83 |
| 42) 1,1,1-TCA | 5.39 | 97 | 53746 | 19.87 | ppb | | 93 |
| 43) Cyclohexane | 5.43 | 41 | 15527 | 18.90 | ppb | | 92 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 29640 | 18.69 | ppb | | 93 |
| 45) 2,2,4-Trimethylpentane | 5.99 | 57 | 44802 | 20.00 | ppb | # | 81 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 49430 | 19.84 | ppb | # | 80 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 60951 | 19.32 | ppb | | 97 |
| 49) 1,2-DCA | 5.91 | 62 | 42267 | 17.84 | ppb | # | 92 |
| 50) Benzene | 5.86 | 78 | 84379 | 19.03 | ppb | | 99 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 24701 | 18.06 | ppb | | 95 |
| 52) | 2-Pentanone | 6.90 | 43 | 85654 | 153.76 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 10359 | 19.79 | ppb | # | 93 |
| 54) | Bromodichloromethane | 7.20 | 83 | 39046 | 19.79 | ppb | | 95 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 30795 | 17.94 | ppb | | 94 |
| 56) | Dibromomethane | 7.01 | 93 | 14710 | 19.14 | ppb | | 98 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 19855 | 59.49 | ppb | | 97 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 5166 | 19.22 | ppb | | 89 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 22047 | 20.01 | ppb | | 94 |
| 61) | Toluene | 8.02 | 91 | 97434 | 19.63 | ppb | | 98 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 36266 | 20.56 | ppb | | 98 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 15068 | 19.95 | ppb | | 90 |
| 64) | 2-Hexanone | 8.75 | 43 | 12829 | 58.83 | ppb | # | 91 |
| 67) | 1,2-EDB | 8.94 | 107 | 22750 | 19.57 | ppb | | 97 |
| 68) | Tetrachloroethene | 8.57 | 164 | 20384 | 18.45 | ppb | | 89 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 25517 | 18.78 | ppb | | 87 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 33505 | 18.90 | ppb | | 88 |
| 71) | m&p-Xylene | 9.69 | 106 | 96649 | 37.85 | ppb | | 92 |
| 72) | o-Xylene | 10.08 | 106 | 47392 | 18.78 | ppb | | 85 |
| 73) | Styrene | 10.10 | 104 | 75027 | 18.78 | ppb | | 98 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 33133 | 19.33 | ppb | | 97 |
| 76) | Dibromochloromethane | 8.84 | 129 | 30771 | 18.50 | ppb | | 89 |
| 77) | Chlorobenzene | 9.44 | 112 | 75305 | 19.66 | ppb | | 97 |
| 78) | Ethylbenzene | 9.57 | 91 | 109076 | 18.57 | ppb | | 98 |
| 79) | Bromoform | 10.27 | 173 | 24216 | 18.29 | ppb | # | 73 |
| 81) | Isopropylbenzene | 10.45 | 105 | 124176 | 19.17 | ppb | | 98 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 21426 | 19.57 | ppb | | 95 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 10370 | 20.71 | ppb | | 91 |
| 84) | t-1,4-Dichloro-2-Butene | 10.83 | 53 | 5524 | 20.14 | ppb | | 94 |
| 85) | Bromobenzene | 10.73 | 156 | 41033 | 19.75 | ppb | | 89 |
| 86) | n-Propylbenzene | 10.86 | 91 | 126023 | 19.26 | ppb | | 97 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 119837 | 19.47 | ppb | | 96 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 93684 | 18.47 | ppb | | 97 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 104382 | 19.42 | ppb | | 97 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 95168 | 19.47 | ppb | | 93 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 66712 | 20.40 | ppb | | 95 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 108392 | 19.93 | ppb | | 89 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 122203 | 20.09 | ppb | | 95 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 118689 | 19.88 | ppb | | 99 |
| 95) | Benzyl Chloride | 11.92 | 91 | 29360 | 18.39 | ppb | | 97 |
| 96) | 1,3-DCB | 11.77 | 146 | 71967 | 19.43 | ppb | | 99 |
| 97) | 1,4-DCB | 11.68 | 146 | 73242 | 19.14 | ppb | | 93 |
| 98) | n-Butylbenzene | 12.14 | 91 | 74868 | 20.19 | ppb | | 94 |
| 99) | 1,2-DCB | 12.14 | 146 | 72367 | 19.47 | ppb | | 96 |
| 100) | Hexachloroethane | 12.38 | 117 | 20474 | 19.13 | ppb | | 90 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 7346 | 16.71 | ppb | | 97 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 46813 | 16.37 | ppb | | 93 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 31642 | 17.30 | ppb | | 93 |
| 104) | Naphthalene | 13.99 | 128 | 37288 | 15.11 | ppb | | 99 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 40140 | 16.62 | ppb | | 95 |

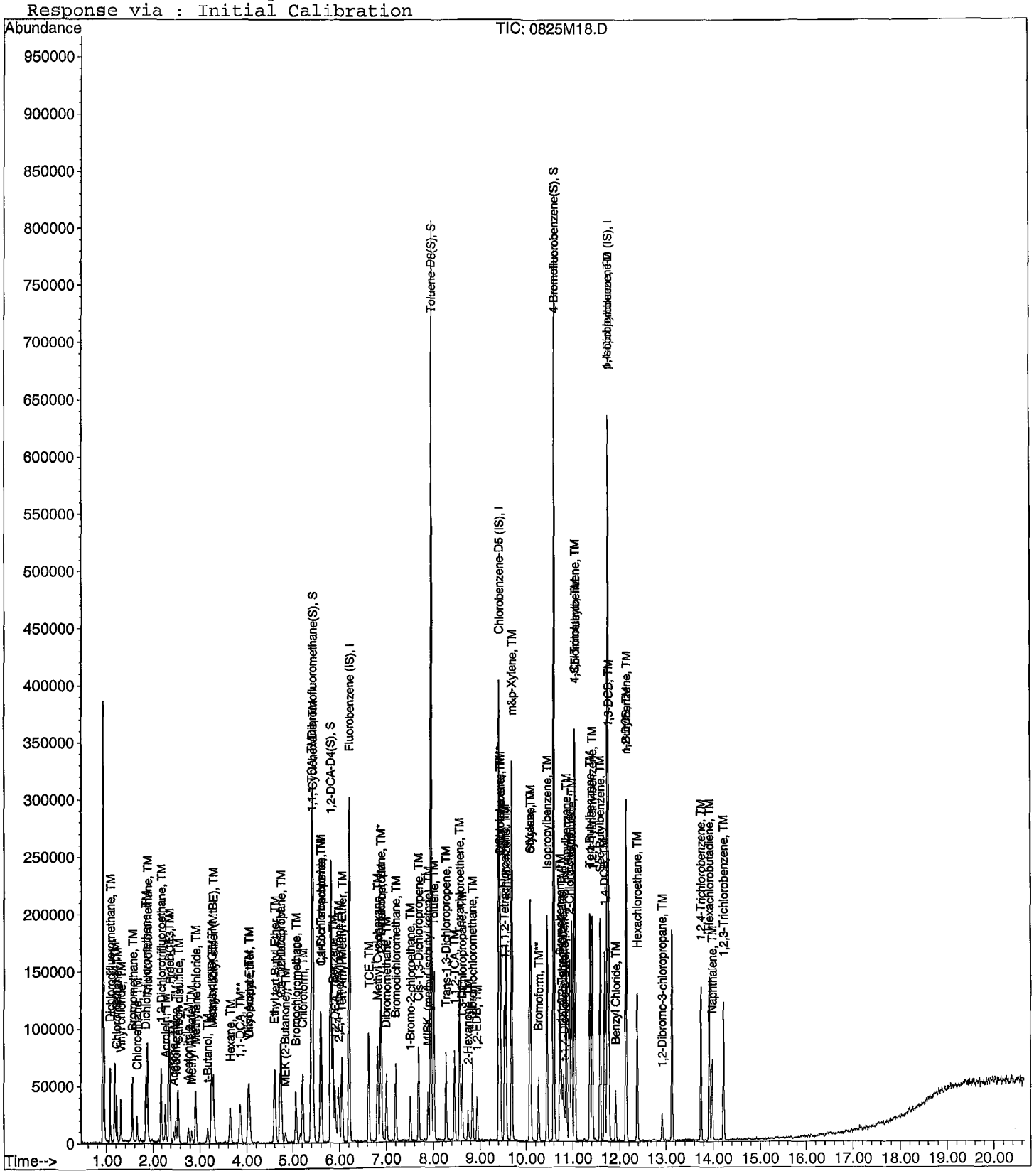
(#) = qualifier out of range (m) = manual integration

Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 216925 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 140689 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 151584 | 49.91 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 199.628% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 102456 | 51.33 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 205.320% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 486936 | 47.87 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 191.472% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 195822 | 49.34 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 197.364% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.08 | 85 | 71711 | 44.56 | ppb | | 94 |
| 4) Freon 114 | 1.18 | 85 | 41532 | 43.29 | ppb | | 95 |
| 5) Chloromethane | 1.22 | 50 | 37104 | 40.65 | ppb | | 100 |
| 6) Vinyl chloride | 1.31 | 62 | 45337 | 42.88 | ppb | | 96 |
| 8) Bromomethane | 1.56 | 94 | 33992 | 39.49 | ppb | | 97 |
| 9) Chloroethane | 1.65 | 64 | 19127 | 37.41 | ppb | | 98 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 82432 | 41.73 | ppb | | 88 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 115072 | 42.44 | ppb | | 95 |
| 13) Acrolein | 2.29 | 56 | 23053 | 173.82 | ppb | | 92 |
| 14) Acetone | 2.46 | 43 | 12984 | 85.54 | ppb | | 85 |
| 15) Freon-113 | 2.38 | 151 | 52006 | 42.91 | ppb | # | 88 |
| 16) Acetonitrile | 2.76 | 41 | 14966 | 189.31 | ppb | | 96 |
| 18) 1,2-Dichlorotrifluoroethan | 2.18 | 67 | 45482 | 40.17 | ppb | | 99 |
| 19) 1,1-DCE | 2.36 | 61 | 70379 | 40.63 | ppb | | 92 |
| 20) t-Butanol | 3.17 | 59 | 17391 | 169.69 | ppb | | 94 |
| 21) Methyl Acetate | 2.83 | 43 | 22696 | 41.36 | ppb | | 86 |
| 22) Iodomethane | 2.51 | 142 | 52184 | 38.27 | ppb | # | 95 |
| 23) Acrylonitrile | 3.26 | 53 | 12550 | 43.83 | ppb | # | 71 |
| 25) Methylene chloride | 2.91 | 84 | 44047 | 41.65 | ppb | | 92 |
| 26) Carbon disulfide | 2.56 | 76 | 73568 | 41.43 | ppb | | 98 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 150364 | 40.06 | ppb | # | 93 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 52951 | 43.32 | ppb | | 81 |
| 30) Hexane | 3.64 | 56 | 20049 | 40.08 | ppb | | 87 |
| 31) Diisopropyl Ether | 4.05 | 45 | 102293 | 42.20 | ppb | | 93 |
| 32) 1,1-DCA | 3.86 | 63 | 78017 | 39.95 | ppb | | 92 |
| 33) Vinyl Acetate | 4.03 | 43 | 41736 | 49.04 | ppb | # | 84 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 135463 | 42.96 | ppb | | 90 |
| 36) MEK (2-Butanone) | 4.83 | 43 | 14443 | 86.97 | ppb | | 92 |
| 37) Cis-1,2-DCE | 4.74 | 96 | 58101 | 43.22 | ppb | | 86 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 92752 | 41.30 | ppb | | 98 |
| 39) Chloroform | 5.21 | 83 | 103416 | 42.18 | ppb | | 87 |
| 40) Bromochloromethane | 5.07 | 130 | 45381 | 44.32 | ppb | | 92 |
| 42) 1,1,1-TCA | 5.39 | 97 | 115991 | 43.92 | ppb | | 96 |
| 43) Cyclohexane | 5.44 | 41 | 33700 | 42.17 | ppb | | 88 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 64147 | 41.43 | ppb | | 93 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 94221 | 43.10 | ppb | # | 78 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 108100 | 44.45 | ppb | | 91 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 132180 | 42.93 | ppb | | 94 |
| 49) 1,2-DCA | 5.91 | 62 | 87524 | 37.85 | ppb | | 100 |
| 50) Benzene | 5.86 | 78 | 183189 | 42.32 | ppb | | 98 |

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

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 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 57774 | 43.27 | ppb | | 94 |
| 52) | 2-Pentanone | 6.90 | 43 | 97408 | 179.13 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 21560 | 42.49 | ppb | # | 89 |
| 54) | Bromodichloromethane | 7.20 | 83 | 80430 | 41.76 | ppb | | 100 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 70066 | 41.81 | ppb | | 98 |
| 56) | Dibromomethane | 7.01 | 93 | 31149 | 41.52 | ppb | | 91 |
| 57) | MIBK (methyl isobutyl ket | 7.88 | 43 | 25546 | 78.41 | ppb | | 94 |
| 58) | 1-Bromo-2-chloroethane | 7.51 | 144 | 11521 | 43.92 | ppb | | 96 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 44713 | 41.57 | ppb | | 93 |
| 61) | Toluene | 8.02 | 91 | 202196 | 41.74 | ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 75884 | 44.07 | ppb | | 95 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 30704 | 41.86 | ppb | | 96 |
| 64) | 2-Hexanone | 8.75 | 43 | 18885 | 88.72 | ppb | | 87 |
| 67) | 1,2-EDB | 8.94 | 107 | 46359 | 40.94 | ppb | | 92 |
| 68) | Tetrachloroethene | 8.57 | 164 | 46952 | 43.62 | ppb | | 86 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 59685 | 45.09 | ppb | | 93 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 71446 | 41.36 | ppb | | 94 |
| 71) | m&p-Xylene | 9.69 | 106 | 207997 | 83.62 | ppb | | 94 |
| 72) | o-Xylene | 10.08 | 106 | 102853 | 41.83 | ppb | | 93 |
| 73) | Styrene | 10.10 | 104 | 162524 | 41.77 | ppb | | 97 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 67451 | 40.40 | ppb | | 94 |
| 76) | Dibromochloromethane | 8.84 | 129 | 68081 | 42.02 | ppb | | 90 |
| 77) | Chlorobenzene | 9.44 | 112 | 159207 | 42.67 | ppb | | 96 |
| 78) | Ethylbenzene | 9.56 | 91 | 240684 | 42.06 | ppb | | 97 |
| 79) | Bromoform | 10.27 | 173 | 55472 | 43.01 | ppb | # | 79 |
| 81) | Isopropylbenzene | 10.45 | 105 | 263988 | 41.06 | ppb | | 96 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 43004 | 39.58 | ppb | | 98 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 21993 | 44.26 | ppb | | 97 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 11845 | 43.52 | ppb | | 99 |
| 85) | Bromobenzene | 10.73 | 156 | 88518 | 42.92 | ppb | | 91 |
| 86) | n-Propylbenzene | 10.86 | 91 | 274935 | 42.35 | ppb | | 97 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 257808 | 42.21 | ppb | | 97 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 172764 | 34.31 | ppb | | 91 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 223900 | 41.96 | ppb | | 95 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 203627 | 41.97 | ppb | | 96 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 140224 | 43.20 | ppb | | 95 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 230559 | 42.72 | ppb | | 90 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 268546 | 44.48 | ppb | | 99 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 264762 | 44.67 | ppb | | 99 |
| 95) | Benzyl Chloride | 11.91 | 91 | 64940 | 40.99 | ppb | | 97 |
| 96) | 1,3-DCB | 11.77 | 146 | 151312 | 41.16 | ppb | | 98 |
| 97) | 1,4-DCB | 11.68 | 146 | 156174 | 41.13 | ppb | | 97 |
| 98) | n-Butylbenzene | 12.14 | 91 | 173372 | 47.10 | ppb | | 97 |
| 99) | 1,2-DCB | 12.13 | 146 | 154254 | 41.80 | ppb | | 97 |
| 100) | Hexachloroethane | 12.38 | 117 | 43867 | 41.29 | ppb | | 93 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 17054 | 36.72 | ppb | | 91 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 115010 | 36.43 | ppb | | 97 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 72617 | 38.33 | ppb | | 94 |
| 104) | Naphthalene | 13.98 | 128 | 103816 | 36.64 | ppb | | 100 |
| 105) | 1,2,3-Trichlorobenzene | 14.22 | 180 | 99730 | 36.48 | ppb | | 92 |

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

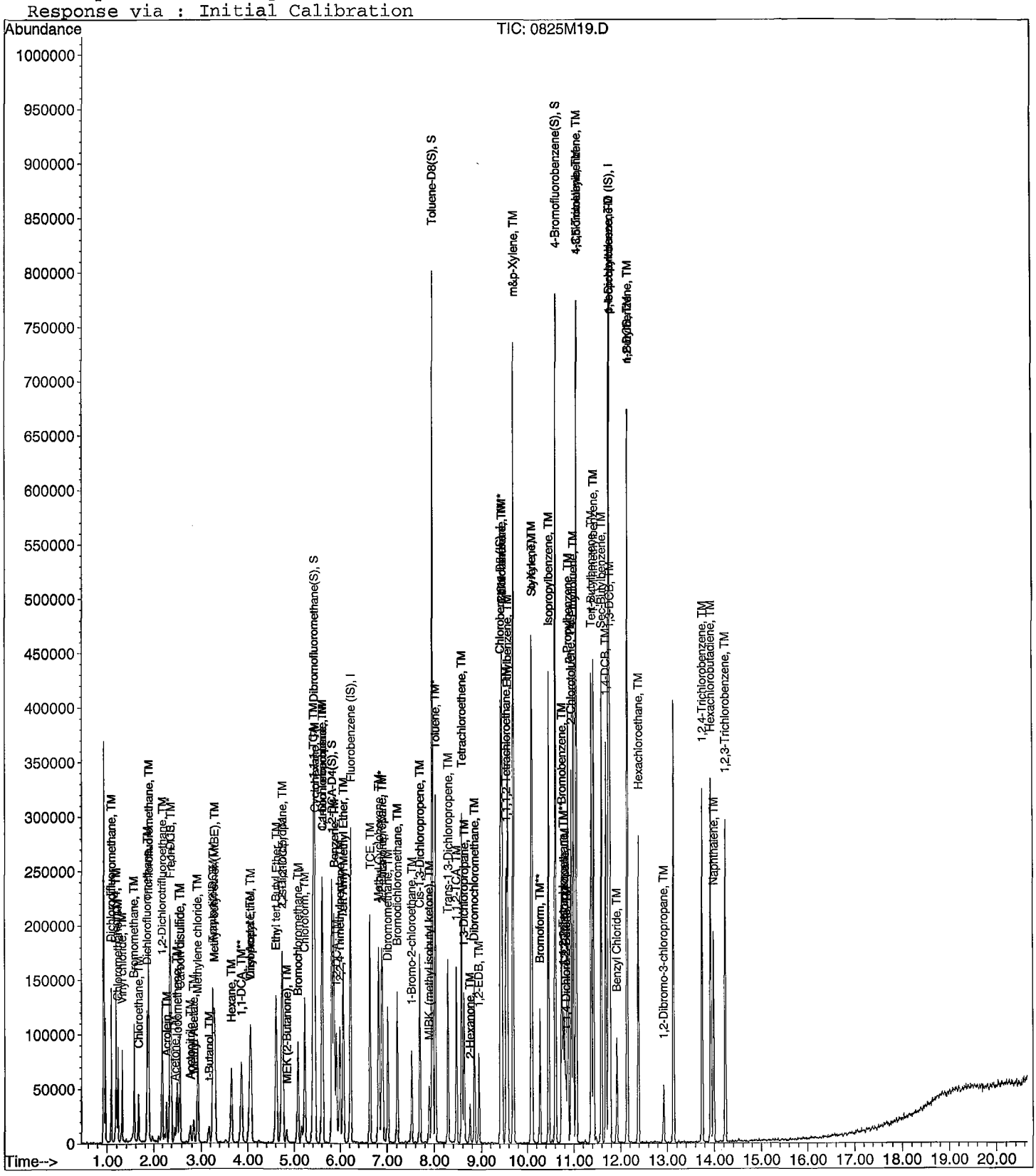
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D Vial: 10
Acq On : 25 Aug 21 18:59 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 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 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 218191 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 142788 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 272268 | 89.85 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 359.396% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 179968 | 90.37 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 361.496% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 893556 | 87.33 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 349.324% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 358053 | 89.70 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 358.780% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.08 | 85 | 174323 | 108.57 | ppb | | 91 |
| 4) Freon 114 | 1.19 | 85 | 94254 | 98.94 | ppb | | 94 |
| 5) Chloromethane | 1.22 | 50 | 95379 | 104.74 | ppb | | 91 |
| 6) Vinyl chloride | 1.31 | 62 | 112157 | 106.32 | ppb | | 88 |
| 8) Bromomethane | 1.56 | 94 | 86296 | 100.48 | ppb | | 90 |
| 9) Chloroethane | 1.65 | 64 | 48057 | 94.22 | ppb | | 97 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 200177 | 101.56 | ppb | | 89 |
| 11) Trichlorofluoromethane | 1.87 | 101 | 281089 | 103.91 | ppb | | 96 |
| 13) Acrolein | 2.29 | 56 | 26117 | 197.38 | ppb | | 86 |
| 14) Acetone | 2.47 | 43 | 15033 | 99.27 | ppb | | 94 |
| 15) Freon-113 | 2.38 | 151 | 123435 | 102.08 | ppb | # | 90 |
| 16) Acetonitrile | 2.77 | 41 | 16508 | 209.30 | ppb | | 95 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 113571 | 100.07 | ppb | # | 97 |
| 19) 1,1-DCE | 2.36 | 61 | 166963 | 96.60 | ppb | # | 92 |
| 20) t-Butanol | 3.18 | 59 | 21718 | 212.40 | ppb | | 95 |
| 21) Methyl Acetate | 2.83 | 43 | 52638 | 96.15 | ppb | | 87 |
| 22) Iodomethane | 2.51 | 142 | 143556 | 101.68 | ppb | # | 93 |
| 23) Acrylonitrile | 3.26 | 53 | 28047 | 98.40 | ppb | # | 81 |
| 25) Methylene chloride | 2.91 | 84 | 104467 | 99.59 | ppb | | 99 |
| 26) Carbon disulfide | 2.56 | 76 | 166912 | 94.21 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 357527 | 95.49 | ppb | | 93 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 121402 | 99.54 | ppb | | 87 |
| 30) Hexane | 3.65 | 56 | 50963 | 100.17 | ppb | | 90 |
| 31) Diisopropyl Ether | 4.05 | 45 | 247027 | 102.15 | ppb | | 97 |
| 32) 1,1-DCA | 3.86 | 63 | 190274 | 97.67 | ppb | | 95 |
| 33) Vinyl Acetate | 4.04 | 43 | 108625 | 129.98 | ppb | # | 86 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 316781 | 100.69 | ppb | | 98 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 15397 | 92.93 | ppb | # | 96 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 133881 | 99.81 | ppb | | 93 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 215843 | 96.34 | ppb | | 92 |
| 39) Chloroform | 5.21 | 83 | 246726 | 100.88 | ppb | | 86 |
| 40) Bromochloromethane | 5.07 | 130 | 105030 | 102.80 | ppb | | 93 |
| 42) 1,1,1-TCA | 5.40 | 97 | 264557 | 100.41 | ppb | | 93 |
| 43) Cyclohexane | 5.44 | 41 | 79119 | 99.41 | ppb | | 97 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 151399 | 98.02 | ppb | | 95 |
| 45) 2,2,4-Trimethylpentane | 5.99 | 57 | 226925 | 104.04 | ppb | # | 76 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 248332 | 102.36 | ppb | # | 80 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 306649 | 99.82 | ppb | | 99 |
| 49) 1,2-DCA | 5.91 | 62 | 208435 | 90.35 | ppb | | 96 |
| 50) Benzene | 5.86 | 78 | 423078 | 97.98 | ppb | | 99 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M20.D Vial: 10
Acq On : 25 Aug 21 18:59 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 10:54 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 10:53:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 128484 | 96.46 | ppb | | 91 |
| 52) | 2-Pentanone | 6.90 | 43 | 99104 | 182.68 | ppb | | 100 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 50008 | 99.11 | ppb | # | 90 |
| 54) | Bromodichloromethane | 7.20 | 83 | 188598 | 98.14 | ppb | | 99 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 168747 | 100.92 | ppb | | 93 |
| 56) | Dibromomethane | 7.01 | 93 | 75768 | 101.22 | ppb | | 94 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 30880 | 95.00 | ppb | | 95 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 27027 | 103.27 | ppb | | 84 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 107057 | 99.76 | ppb | | 97 |
| 61) | Toluene | 8.02 | 91 | 481337 | 99.59 | ppb | | 100 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 182087 | 105.99 | ppb | | 93 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 72481 | 99.33 | ppb | | 91 |
| 64) | 2-Hexanone | 8.75 | 43 | 21230 | 99.97 | ppb | | 92 |
| 67) | 1,2-EDB | 8.94 | 107 | 110422 | 96.95 | ppb | | 96 |
| 68) | Tetrachloroethene | 8.57 | 164 | 106344 | 98.23 | ppb | | 88 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 136740 | 102.71 | ppb | | 93 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 165378 | 95.18 | ppb | | 97 |
| 71) | m&p-Xylene | 9.69 | 106 | 482915 | 193.03 | ppb | | 97 |
| 72) | o-Xylene | 10.08 | 106 | 241495 | 97.65 | ppb | | 100 |
| 73) | Styrene | 10.10 | 104 | 387688 | 99.05 | ppb | | 97 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 160608 | 95.65 | ppb | | 98 |
| 76) | Dibromochloromethane | 8.84 | 129 | 160617 | 98.57 | ppb | | 88 |
| 77) | Chlorobenzene | 9.44 | 112 | 375022 | 99.92 | ppb | | 92 |
| 78) | Ethylbenzene | 9.56 | 91 | 575384 | 99.96 | ppb | | 95 |
| 79) | Bromoform | 10.27 | 173 | 125719 | 96.90 | ppb | # | 80 |
| 81) | Isopropylbenzene | 10.45 | 105 | 624340 | 95.68 | ppb | | 97 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 116781 | 105.90 | ppb | | 96 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 50530 | 100.19 | ppb | | 99 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 30948 | 112.04 | ppb | | 94 |
| 85) | Bromobenzene | 10.73 | 156 | 207362 | 99.07 | ppb | | 96 |
| 86) | n-Propylbenzene | 10.86 | 91 | 645780 | 98.00 | ppb | | 96 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 614205 | 99.08 | ppb | | 96 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 404656 | 79.19 | ppb | | 92 |
| 89) | 1,3,5-Trimethylbenzene | 11.04 | 105 | 543538 | 100.38 | ppb | | 95 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 485111 | 98.51 | ppb | | 96 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 344832 | 104.69 | ppb | | 97 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 552886 | 100.94 | ppb | | 89 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 640887 | 104.58 | ppb | | 95 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 646816 | 107.53 | ppb | | 100 |
| 95) | Benzyl Chloride | 11.92 | 91 | 189102 | 117.59 | ppb | | 98 |
| 96) | 1,3-DCB | 11.77 | 146 | 381829 | 102.33 | ppb | | 99 |
| 97) | 1,4-DCB | 11.68 | 146 | 373443 | 96.91 | ppb | | 97 |
| 98) | n-Butylbenzene | 12.14 | 91 | 445964 | 119.37 | ppb | | 96 |
| 99) | 1,2-DCB | 12.13 | 146 | 391925 | 104.65 | ppb | | 96 |
| 100) | Hexachloroethane | 12.38 | 117 | 107582 | 99.77 | ppb | | 95 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 49545 | 101.84 | ppb | # | 86 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 344761 | 102.21 | ppb | | 97 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 198820 | 101.22 | ppb | | 90 |
| 104) | Naphthalene | 13.98 | 128 | 312448 | 102.38 | ppb | | 100 |
| 105) | 1,2,3-Trichlorobenzene | 14.22 | 180 | 302003 | 102.06 | ppb | | 93 |

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

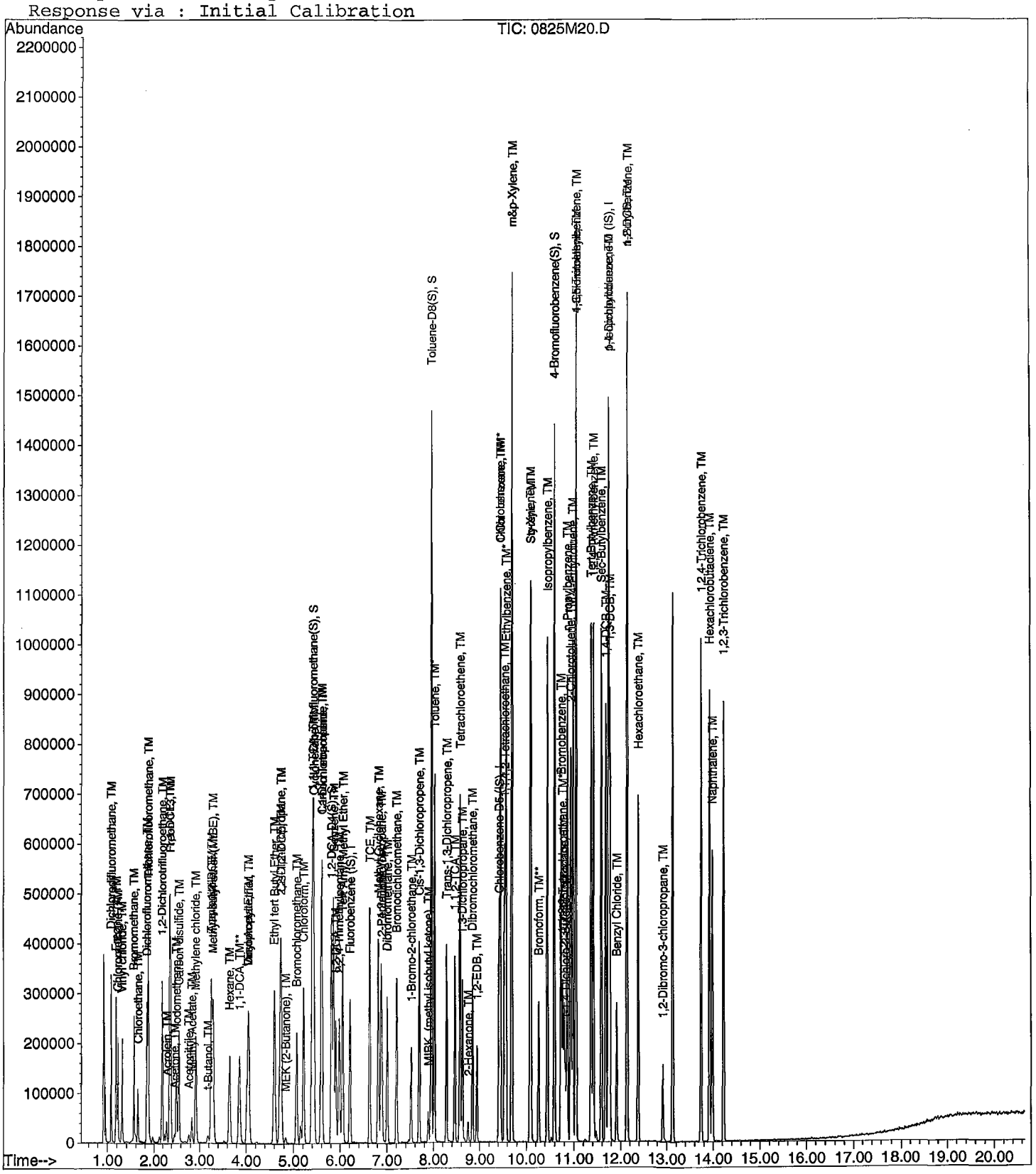
Quantitation Report

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 10:54 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



# VOLATILE ORGANIC ANALYSIS BY EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc. SDG No:

Case No: Date Analyzed: 8/25/2021

Matrix: Instrument: Max

Initial Cal. Date: 8/25/2021

Data File: 0825M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift | |
|---|---|---|---|---|---|---|---|---|
| 1 | TM | Chlorotrifluoroethene | 0.0000 | 0.0154 | 0.00 | TM | | |
| 2 | TM | Dichlorodifluoromethane | 0.1597 | 0.1703 | 6.6 | TM | | |
| 3 | TML | Freon 114 | 0.1150 | 0.0916 | 20 | TML | 6.6 | |
| 4 | TM** | Chloromethane | 0.0906 | 0.1017 | 12 | TM** | | |
| 5 | TM* | Vinyl chloride | 0.1050 | 0.1137 | 8.3 | TM* | | |
| 6 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0020 | 0.00 | TM | | |
| 7 | TM | Bromomethane | 0.0854 | 0.0729 | 15 | TM | | |
| 8 | TM | Chloroethane | 0.0507 | 0.0499 | 1.7 | TM | | |
| 9 | TM | Dichlorofluoromethane | 0.1961 | 0.1800 | 8.2 | TM | | |
| 10 | TM | Trichlorofluoromethane | 0.2692 | 0.2931 | 8.9 | TM | | |
| 11 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | 0.0000 | 0.0005 | 0.00 | TM | | |
| 12 | TM | Acrolein | 0.0132 | 0.0116 | 12 | TM | | |
| 13 | TM | Acetone | 0.0151 | 0.0142 | 5.7 | TM | | |
| 14 | TM | Freon-113 | 0.1203 | 0.1133 | 5.8 | TM | | |
| 15 | TM | Acetonitrile | 0.0078 | 0.0065 | 17 | TM | | |
| 16 | TM | 2-propanol | 0.0000 | 0.0001 | 0.00 | TM | | |
| 17 | TML | 1,2-Dichlorotrifluoroethane | 0.1186 | 0.1168 | 1.5 | TML | 6.3 | |
| 18 | TM* | 1,1-DCE | 0.1720 | 0.1537 | 11 | TM* | | |
| 19 | TM | t-Butanol | 0.0102 | 0.0090 | 11 | TM | | |
| 20 | TM | Methyl Acetate | 0.0545 | 0.0465 | 15 | TM | | |
| 21 | TML | Iodomethane | 0.0904 | 0.0737 | 19 | TML | 18 | |
| 22 | TML | Acrylonitrile | 0.0239 | 0.0296 | 24 | TML | 2.9 | |
| 23 | TM | 2-Methylpentane | 0.0000 | 0.0003 | 0.00 | TM | | |
| 24 | TML | Methylene chloride | 0.1215 | 0.1023 | 16 | TML | 5.9 | |
| 25 | TM | Carbon disulfide | 0.1763 | 0.1670 | 5.3 | TM | | |
| 26 | TM | Methyl t-butyl ether (MtBE) | 0.3725 | 0.3181 | 15 | TM | | |
| 27 | TM | Trans-1,2-DCE | 0.1213 | 0.1090 | 10 | TM | | |
| 28 | TM | 3-Methylpentane | 0.0000 | 0.0497 | 0.00 | TM | | |
| 29 | TML | Hexane | 0.0429 | 0.0501 | 17 | TML | 10 | |
| 30 | TM | Diisopropyl Ether | 0.2406 | 0.2159 | 10 | TM | | |
| 31 | TM** | 1,1-DCA | 0.1938 | 0.1615 | 17 | TM** | | |
| 32 | TML | Vinyl Acetate | 0.0962 | 0.1117 | 16 | TML | 23 | * |
| 33 | TM | Ethyl tert Butyl Ether | 0.3130 | 0.2719 | 13 | TM | | |
| 34 | TM | Methylcyclopentane | 0.0000 | 0.0112 | 0.00 | TM | | |
| 35 | TM | MEK (2-Butanone) | 0.0165 | 0.0150 | 9.2 | TM | | |
| 36 | TM | Cis-1,2-DCE | 0.1335 | 0.1286 | 3.6 | TM | | |
| 37 | TM | 2,2-Dichloropropane | 0.2229 | 0.1874 | 16 | TM | | |
| 38 | TM* | Chloroform | 0.2433 | 0.2171 | 11 | TM* | | |
| 39 | TM | Bromochloromethane | 0.1017 | 0.0905 | 11 | TM | | |
| 40 | TM | 1,1,1-TCA | 0.2621 | 0.2469 | 5.8 | TM | | |
| | | Average | | | 9.5 | | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 8/25/2021
Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | TML | Cyclohexane | 0.0877 | 0.0684 | 22 | TML | 15 |
| 42 | TM | 1,1-Dichloropropene | 0.1537 | 0.1304 | 15 | TM | |
| 43 | TM | 2,2,4-Trimethylpentane | 0.2170 | 0.1977 | 8.9 | TM | |
| 44 | TM | Carbon Tetrachloride | 0.2414 | 0.2208 | 8.5 | TM | |
| 45 | TM | Tert Amyl Methyl Ether | 0.3056 | 0.2774 | 9.2 | TM | |
| 46 | TM | 1,2-DCA | 0.2200 | 0.1789 | 19 | TM | |
| 47 | TM | Benzene | 0.4296 | 0.3853 | 10 | TM | |
| 48 | TM | TCE | 0.1325 | 0.1192 | 10 | TM | |
| 49 | TM | 2-Pentanone | 0.0540 | 0.0493 | 8.6 | TM | |
| 50 | TM*L | 1,2-Dichloropropane | 0.0543 | 0.0446 | 18 | TM*L | 13 |
| 51 | TM | Bromodichloromethane | 0.1912 | 0.1650 | 14 | TM | |
| 52 | TM | Methyl Cyclohexane | 0.1664 | 0.1533 | 7.9 | TM | |
| 53 | TM | Dibromomethane | 0.0745 | 0.0637 | 14 | TM | |
| 54 | TM | MIBK (methyl isobutyl ketone) | 0.0323 | 0.0312 | 3.4 | TM | |
| 55 | TM | 1-Bromo-2-chloroethane | 0.0260 | 0.0270 | 3.8 | TM | |
| 56 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0312 | 0.00 | TM | |
| 57 | TM | Cis-1,3-Dichloropropene | 0.1068 | 0.0895 | 16 | TM | |
| 58 | TM* | Toluene | 0.4809 | 0.4258 | 11 | TM* | |
| 59 | TM | Trans-1,3-Dichloropropene | 0.1709 | 0.1526 | 11 | TM | |
| 60 | TML | 1,1,2-TCA | 0.0793 | 0.0675 | 15 | TML | 8.9 |
| 61 | TM | 2-Hexanone | 0.0211 | 0.0201 | 5.0 | TM | |
| 62 | TM | 1,2-EDB | 0.1305 | 0.1085 | 17 | TM | |
| 63 | TM | Tetrachloroethene | 0.1240 | 0.1176 | 5.2 | TM | |
| 64 | TM | 1-Chlorohexane | 0.1525 | 0.1339 | 12 | TM | |
| 65 | TM | 1,1,1,2-Tetrachloroethane | 0.1991 | 0.1905 | 4.3 | TM | |
| 66 | TM | m&p-Xylene | 0.2867 | 0.2645 | 7.7 | TM | |
| 67 | TM | o-Xylene | 0.2834 | 0.2328 | 18 | TM | |
| 68 | TM | Styrene | 0.4485 | 0.3869 | 14 | TM | |
| 69 | TM | 1,3-Dichloropropane | 0.1924 | 0.1867 | 3.0 | TM | |
| 70 | TM | Dibromochloromethane | 0.1867 | 0.1664 | 11 | TM | |
| 71 | TM** | Chlorobenzene | 0.4300 | 0.4019 | 6.5 | TM** | |
| 72 | TM* | Ethylbenzene | 0.6596 | 0.5993 | 9.1 | TM* | |
| 73 | TM** | Bromoform | 0.1487 | 0.1239 | 17 | TM** | |
| 74 | TM | Isopropylbenzene | 1.143 | 1.030 | 9.8 | TM | |
| 75 | TM** | 1,1,2,2-Tetrachloroethane | 0.1931 | 0.1775 | 8.1 | TM** | |
| 76 | TM | 1,2,3-Trichloropropane | 0.0883 | 0.0947 | 7.2 | TM | |
| 77 | TM | t-1,4-Dichloro-2-Butene | 0.0468 | 0.0374 | 20 | TM | |
| 78 | TM | Bromobenzene | 0.3665 | 0.3428 | 6.5 | TM | |
| 79 | TM | n-Propylbenzene | 1.154 | 1.070 | 7.3 | TM | |
| 80 | TM | 4-Ethyltoluene | 1.085 | 1.010 | 6.9 | TM | |
| | | Average | | | 10.5 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Second Source Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/25/2021
Matrix: 0 Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M22.D

| | | Compound | MEAN | CCRF | %D | | %Drift | |
|---|---|---|---|---|---|---|---|---|
| 81 | TML | 2-Chlorotoluene | 0.8947 | 0.6869 | 23 | TML | 16 | |
| 82 | TM | 1,3,5-Trimethylbenzene | 0.9481 | 0.9168 | 3.3 | TM | | |
| 83 | TM | 4-Chlorotoluene | 0.8622 | 0.7872 | 8.7 | TM | | |
| 84 | TM | Tert-Butylbenzene | 0.5767 | 0.5354 | 7.2 | TM | | |
| 85 | TM | 1,2,4-Trimethylbenzene | 0.9590 | 0.8854 | 7.7 | TM | | |
| 86 | TM | Sec-Butylbenzene | 1.073 | 1.016 | 5.4 | TM | | |
| 87 | TM | p-Isopropyltoluene | 1.053 | 0.9836 | 6.6 | TM | | |
| 88 | TML | Benzyl Chloride | 0.2830 | 0.1998 | 29 | TML | 21 | * |
| 89 | TM | 1,3-DCB | 0.6533 | 0.6140 | 6.0 | TM | | |
| 90 | TM | 1,4-DCB | 0.6747 | 0.6235 | 7.6 | TM | | |
| 91 | TM | n-Butylbenzene | 0.6541 | 0.5656 | 14 | TM | | |
| 92 | TM | 1,2-DCB | 0.6557 | 0.5933 | 9.5 | TM | | |
| 93 | TM | Hexachloroethane | 0.1888 | 0.1539 | 18 | TM | | |
| 94 | TML | 1,2-Dibromo-3-chloropropane | 0.0636 | 0.0594 | 6.6 | TML | 14 | |
| 95 | TML | 1,2,4-Trichlorobenzene | 0.3740 | 0.3484 | 6.9 | TML | 15 | |
| 96 | TML | Hexachlorobutadiene | 0.2750 | 0.2514 | 8.6 | TML | 15 | |
| 97 | TML | Naphthalene | 0.3151 | 0.3005 | 4.6 | TML | 14 | |
| 98 | TML | 1,2,3-Trichlorobenzene | 0.3346 | 0.2793 | 17 | TML | 14 | |
| 99 | | | | | | | | |
| 100 | | | | | | | | |
| 101 | | | | | | | | |
| 102 | | | | | | | | |
| 103 | | | | | | | | |
| 104 | | | | | | | | |
| 105 | | | | | | | | |
| 106 | | | | | | | | |
| 107 | | | | | | | | |
| 108 | | | | | | | | |
| 109 | | | | | | | | |
| 110 | | | | | | | | |
| 111 | | | | | | | | |
| 112 | | | | | | | | |
| 113 | | | | | | | | |
| 114 | | | | | | | | |
| 115 | | | | | | | | |
| 116 | | | | | | | | |
| 117 | | | | | | | | |
| 118 | | | | | | | | |
| 119 | | | | | | | | |
| 120 | | | | | | | | |
| | | Average | | | 10.5 | | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M22.D Vial: 12
Acq On : 25 Aug 21 19:55 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:16 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 259530 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 214997 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 138321 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 77063 | 24.62 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.484% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 50720 | 24.66 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.636% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 248608 | 24.66 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.636% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96874 | 24.63 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.512% | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 17678 | 10.66 | ppb | # | 86 |
| 4) Freon 114 | 1.18 | 85 | 9506 | 9.34 | ppb | | 97 |
| 5) Chloromethane | 1.22 | 50 | 10555 | 11.22 | ppb | # | 86 |
| 6) Vinyl chloride | 1.31 | 62 | 11803 | 10.83 | ppb | | 97 |
| 8) Bromomethane | 1.56 | 94 | 7571 | 8.54 | ppb | | 88 |
| 9) Chloroethane | 1.66 | 64 | 5178 | 9.83 | ppb | | 91 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 18686 | 9.18 | ppb | | 86 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 30432 | 10.89 | ppb | | 95 |
| 13) Acrolein | 2.29 | 56 | 15061 | 110.20 | ppb | | 93 |
| 14) Acetone | 2.46 | 43 | 7372 | 47.13 | ppb | | 93 |
| 15) Freon-113 | 2.39 | 151 | 11766 | 9.42 | ppb | # | 86 |
| 16) Acetonitrile | 2.76 | 41 | 8444 | 103.65 | ppb | | 94 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 12130 | 10.63 | ppb | | 94 |
| 19) 1,1-DCE | 2.37 | 61 | 15956 | 8.94 | ppb | # | 95 |
| 20) t-Butanol | 3.16 | 59 | 11723 | 111.00 | ppb | | 97 |
| 21) Methyl Acetate | 2.83 | 43 | 4831 | 8.54 | ppb | # | 80 |
| 22) Iodomethane | 2.51 | 142 | 7650 | 8.15 | ppb | | 95 |
| 23) Acrylonitrile | 3.26 | 53 | 3075 | 10.29 | ppb | # | 82 |
| 25) Methylene chloride | 2.92 | 84 | 10618 | 9.41 | ppb | | 93 |
| 26) Carbon disulfide | 2.56 | 76 | 17336 | 9.47 | ppb | | 98 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 33021 | 8.54 | ppb | | 97 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 11316 | 8.98 | ppb | | 74 |
| 30) Hexane | 3.65 | 56 | 5206 | 11.04 | ppb | | 89 |
| 31) Diisopropyl Ether | 4.05 | 45 | 22411 | 8.97 | ppb | | 97 |
| 32) 1,1-DCA | 3.86 | 63 | 16768 | 8.33 | ppb | # | 92 |
| 33) Vinyl Acetate | 4.04 | 43 | 11597 | 12.29 | ppb | # | 82 |
| 34) Ethyl tert Butyl Ether | 4.61 | 59 | 28226 | 8.69 | ppb | | 93 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 7772 | 45.42 | ppb | | 91 |
| 37) Cis-1,2-DCE | 4.74 | 96 | 13349 | 9.64 | ppb | # | 72 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 19457 | 8.41 | ppb | | 94 |
| 39) Chloroform | 5.21 | 83 | 22539 | 8.92 | ppb | | 96 |
| 40) Bromochloromethane | 5.07 | 130 | 9399 | 8.91 | ppb | # | 83 |
| 42) 1,1,1-TCA | 5.39 | 97 | 25630 | 9.42 | ppb | # | 90 |
| 43) Cyclohexane | 5.44 | 41 | 7101 | 8.52 | ppb | | 91 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 13539 | 8.49 | ppb | | 97 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 20520 | 9.11 | ppb | | 85 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 22926 | 9.15 | ppb | | 85 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 28798 | 9.08 | ppb | | 97 |
| 49) 1,2-DCA | 5.91 | 62 | 18576 | 8.13 | ppb | | 96 |
| 50) Benzene | 5.86 | 78 | 39995 | 8.97 | ppb | | 96 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M22.D Vial: 12
Acq On : 25 Aug 21 19:55 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:16 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 12374 | 8.99 | ppb | | 91 |
| 52) | 2-Pentanone | 6.90 | 43 | 64016 | 114.24 | ppb | | 97 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 4635 | 8.67 | ppb | # | 74 |
| 54) | Bromodichloromethane | 7.20 | 83 | 17127 | 8.63 | ppb | | 96 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 15915 | 9.21 | ppb | | 86 |
| 56) | Dibromomethane | 7.01 | 93 | 6615 | 8.56 | ppb | | 95 |
| 57) | MIBK (methyl isobutyl ket | 7.88 | 43 | 16211 | 48.29 | ppb | | 98 |
| 58) | 1-Bromo-2-chloroethane | 7.51 | 144 | 2805 | 10.38 | ppb | | 84 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 9293 | 8.38 | ppb | | 95 |
| 61) | Toluene | 8.02 | 91 | 44202 | 8.85 | ppb | | 96 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 15845 | 8.93 | ppb | | 96 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 7003 | 9.11 | ppb | | 94 |
| 64) | 2-Hexanone | 8.75 | 43 | 10419 | 47.50 | ppb | # | 91 |
| 67) | 1,2-EDB | 8.93 | 107 | 9335 | 8.32 | ppb | # | 74 |
| 68) | Tetrachloroethene | 8.57 | 164 | 10115 | 9.48 | ppb | # | 83 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 11515 | 8.78 | ppb | | 90 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 16383 | 9.57 | ppb | | 94 |
| 71) | m&p-Xylene | 9.69 | 106 | 45496 | 18.46 | ppb | | 92 |
| 72) | o-Xylene | 10.08 | 106 | 20020 | 8.22 | ppb | | 85 |
| 73) | Styrene | 10.10 | 104 | 33276 | 8.63 | ppb | | 97 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 16056 | 9.70 | ppb | | 96 |
| 76) | Dibromochloromethane | 8.84 | 129 | 14312 | 8.91 | ppb | | 77 |
| 77) | Chlorobenzene | 9.44 | 112 | 34560 | 9.35 | ppb | | 92 |
| 78) | Ethylbenzene | 9.56 | 91 | 51539 | 9.09 | ppb | | 93 |
| 79) | Bromoform | 10.26 | 173 | 10659 | 8.34 | ppb | # | 75 |
| 81) | Isopropylbenzene | 10.45 | 105 | 56992 | 9.02 | ppb | | 96 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 9818 | 9.19 | ppb | | 88 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 5237 | 10.72 | ppb | # | 81 |
| 84) | t-1,4-Dichloro-2-Butene | 10.83 | 53 | 2071 | 8.01 | ppb | | 94 |
| 85) | Bromobenzene | 10.73 | 156 | 18965 | 9.35 | ppb | | 94 |
| 86) | n-Propylbenzene | 10.86 | 91 | 59177 | 9.27 | ppb | | 88 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 55895 | 9.31 | ppb | | 98 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 38005 | 8.43 | ppb | | 89 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 50724 | 9.67 | ppb | | 89 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 43553 | 9.13 | ppb | | 95 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 29624 | 9.28 | ppb | | 92 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 48989 | 9.23 | ppb | | 90 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 56187 | 9.46 | ppb | | 100 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 54421 | 9.34 | ppb | | 97 |
| 95) | Benzyl Chloride | 11.92 | 91 | 11052 | 7.87 | ppb | | 94 |
| 96) | 1,3-DCB | 11.77 | 146 | 33972 | 9.40 | ppb | | 98 |
| 97) | 1,4-DCB | 11.68 | 146 | 34498 | 9.24 | ppb | | 97 |
| 98) | n-Butylbenzene | 12.14 | 91 | 31295 | 8.65 | ppb | | 87 |
| 99) | 1,2-DCB | 12.13 | 146 | 32826 | 9.05 | ppb | | 98 |
| 100) | Hexachloroethane | 12.38 | 117 | 8514 | 8.15 | ppb | | 95 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 3284 | 8.61 | ppb | # | 86 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 19277 | 8.50 | ppb | | 96 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 13911 | 8.50 | ppb | | 92 |
| 104) | Naphthalene | 13.99 | 128 | 16624 | 8.64 | ppb | | 99 |
| 105) | 1,2,3-Trichlorobenzene | 14.22 | 180 | 15453 | 8.63 | ppb | | 94 |

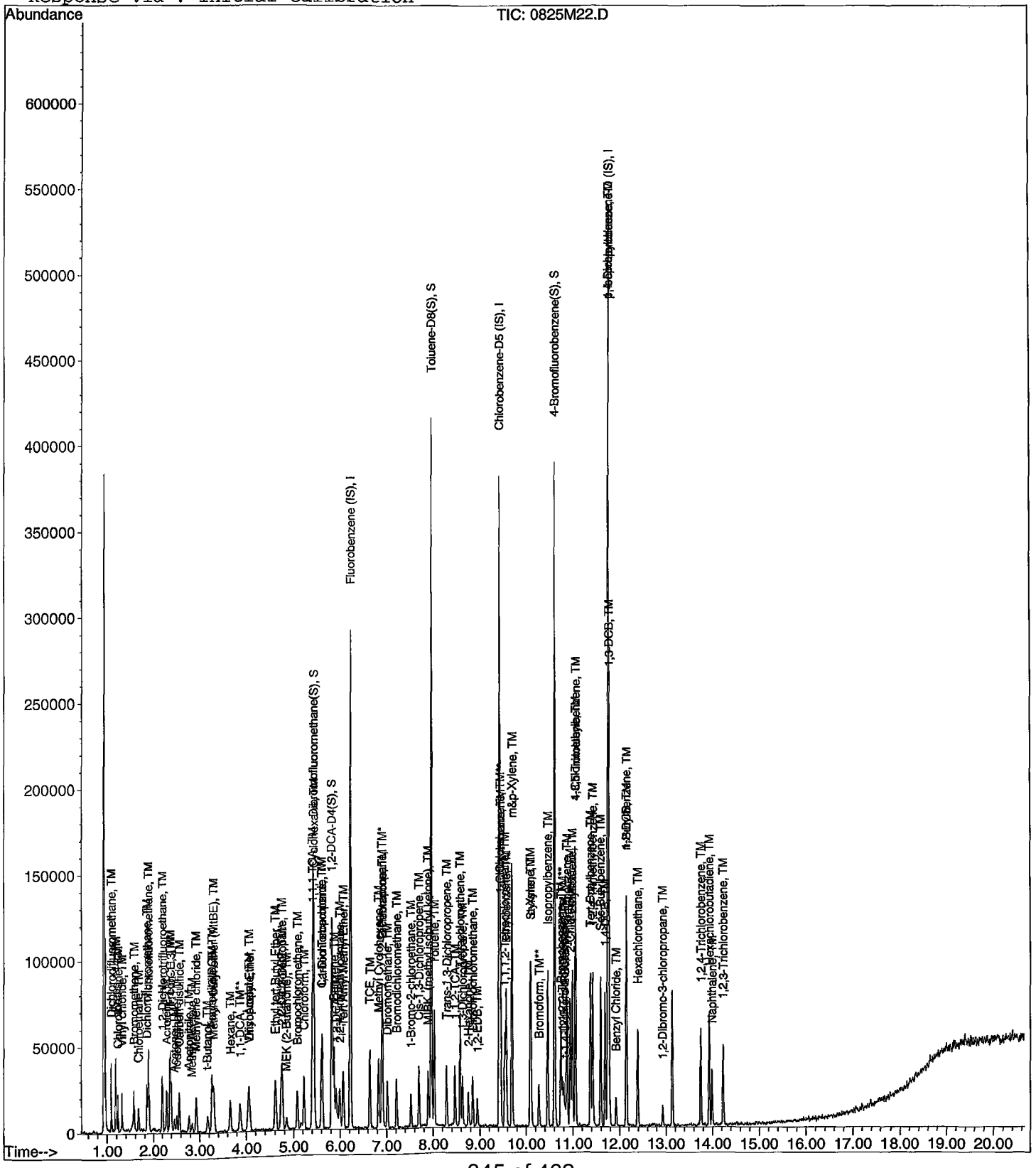
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M22.D Vial: 12
Acq On : 25 Aug 21 19:55 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:16 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/26/2021
Matrix: Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M33.D

| | | Compound | MEAN | CCRF | %D | | %Drift | |
|---|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | | |
| 2 | TM | Chlorotrifluoroethene | 0.0000 | 0.0197 | 0.00 | TM | | |
| 3 | TM | Dichlorodifluoromethane | 0.1597 | 0.1830 | 15 | TM | | |
| 4 | TML | Freon 114 | 0.1150 | 0.1035 | 9.9 | TML | 6.1 | |
| 5 | TM** | Chloromethane | 0.0906 | 0.1021 | 13 | TM** | | |
| 6 | TM* | Vinyl chloride | 0.1050 | 0.1149 | 9.5 | TM* | | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0031 | 0.00 | TM | | |
| 8 | TM | Bromomethane | 0.0854 | 0.0739 | 14 | TM | | |
| 9 | TM | Chloroethane | 0.0507 | 0.0554 | 9.2 | TM | | |
| 10 | TM | Dichlorofluoromethane | 0.1961 | 0.2150 | 9.6 | TM | | |
| 11 | TM | Trichlorofluoromethane | 0.2692 | 0.3176 | 18 | TM | | |
| 12 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | 0.0000 | 0.0002 | 0.00 | TM | | |
| 13 | TM | Acrolein | 0.0132 | 0.0111 | 16 | TM | | |
| 14 | TM | Acetone | 0.0151 | 0.0145 | 3.8 | TM | | |
| 15 | TM | Freon-113 | 0.1203 | 0.1343 | 12 | TM | | |
| 16 | TM | Acetonitrile | 0.0078 | 0.0078 | 0.00 | TM | | |
| 17 | TM | 2-propanol | 0.0000 | 0.0000 | 0.00 | TM | | |
| 18 | TML | 1,2-Dichlorotrifluoroethane | 0.1186 | 0.0998 | 16 | TML | 8.8 | |
| 19 | TM* | 1,1-DCE | 0.1720 | 0.1693 | 1.6 | TM* | | |
| 20 | TM | t-Butanol | 0.0102 | 0.0107 | 5.6 | TM | | |
| 21 | TM | Methyl Acetate | 0.0545 | 0.0507 | 6.9 | TM | | |
| 22 | TML | Iodomethane | 0.0904 | 0.0948 | 4.8 | TML | 4.0 | |
| 23 | TML | Acrylonitrile | 0.0239 | 0.0299 | 25 | TML | 3.8 | |
| 24 | TM | 2-Methylpentane | 0.0000 | 0.0008 | 0.00 | TM | | |
| 25 | TML | Methylene chloride | 0.1215 | 0.1165 | 4.1 | TML | 7.8 | |
| 26 | TM | Carbon disulfide | 0.1763 | 0.2014 | 14 | TM | | |
| 27 | TM | Methyl t-butyl ether (MtBE) | 0.3725 | 0.3559 | 4.5 | TM | | |
| 28 | TM | Trans-1,2-DCE | 0.1213 | 0.1281 | 5.5 | TM | | |
| 29 | TM | 3-Methylpentane | 0.0000 | 0.0682 | 0.00 | TM | | |
| 30 | TML | Hexane | 0.0429 | 0.0426 | 0.47 | TML | 4.2 | |
| 31 | TM | Diisopropyl Ether | 0.2406 | 0.2508 | 4.2 | TM | | |
| 32 | TM** | 1,1-DCA | 0.1938 | 0.1918 | 1.0 | TM** | | |
| 33 | TML | Vinyl Acetate | 0.0962 | 0.1167 | 21 | TML | 29 | * |
| 34 | TM | Ethyl tert Butyl Ether | 0.3130 | 0.3146 | 0.49 | TM | | |
| 35 | TM | Methylcyclopentane | 0.0000 | 0.0153 | 0.00 | TM | | |
| 36 | TM | MEK (2-Butanone) | 0.0165 | 0.0168 | 1.7 | TM | | |
| 37 | TM | Cis-1,2-DCE | 0.1335 | 0.1365 | 2.3 | TM | | |
| 38 | TM | 2,2-Dichloropropane | 0.2229 | 0.1957 | 12 | TM | | |
| 39 | TM* | Chloroform | 0.2433 | 0.2494 | 2.5 | TM* | | |
| 40 | TM | Bromochloromethane | 0.1017 | 0.1208 | 19 | TM | | |
| | | Average | | | 7.2 | | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/26/2021
Matrix: 0 Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M33.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | S | Dibromofluoromethane(S) | 0.3015 | 0.2930 | 2.8 | S | |
| 42 | TM | 1,1,1-TCA | 0.2621 | 0.2951 | 13 | TM | |
| 43 | TML | Cyclohexane | 0.0877 | 0.0807 | 8.0 | TML | 0.83 |
| 44 | TM | 1,1-Dichloropropene | 0.1537 | 0.1540 | 0.19 | TM | |
| 45 | TM | 2,2,4-Trimethylpentane | 0.2170 | 0.2085 | 3.9 | TM | |
| 46 | S | 1,2-DCA-D4(S) | 0.1981 | 0.1939 | 2.1 | S | |
| 47 | TM | Carbon Tetrachloride | 0.2414 | 0.2701 | 12 | TM | |
| 48 | TM | Tert Amyl Methyl Ether | 0.3056 | 0.3138 | 2.7 | TM | |
| 49 | TM | 1,2-DCA | 0.2200 | 0.2314 | 5.2 | TM | |
| 50 | TM | Benzene | 0.4296 | 0.4573 | 6.4 | TM | |
| 51 | TM | TCE | 0.1325 | 0.1453 | 9.6 | TM | |
| 52 | TM | 2-Pentanone | 0.0540 | 0.0512 | 5.2 | TM | |
| 53 | TM*L | 1,2-Dichloropropane | 0.0543 | 0.0553 | 1.8 | TM*L | 7.9 |
| 54 | TM | Bromodichloromethane | 0.1912 | 0.1929 | 0.87 | TM | |
| 55 | TM | Methyl Cyclohexane | 0.1664 | 0.1885 | 13 | TM | |
| 56 | TM | Dibromomethane | 0.0745 | 0.0771 | 3.5 | TM | |
| 57 | TM | MIBK (methyl isobutyl ketone) | 0.0323 | 0.0331 | 2.3 | TM | |
| 58 | TM | 1-Bromo-2-chloroethane | 0.0260 | 0.0272 | 4.5 | TM | |
| 59 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0337 | 0.00 | TM | |
| 60 | TM | Cis-1,3-Dichloropropene | 0.1068 | 0.1122 | 5.0 | TM | |
| 61 | TM* | Toluene | 0.4809 | 0.5155 | 7.2 | TM* | |
| 62 | TM | Trans-1,3-Dichloropropene | 0.1709 | 0.1835 | 7.4 | TM | |
| 63 | TML | 1,1,2-TCA | 0.0793 | 0.0805 | 1.5 | TML | 9.1 |
| 64 | TM | 2-Hexanone | 0.0211 | 0.0209 | 0.92 | TM | |
| 65 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 66 | S | Toluene-D8(S) | 1.172 | 1.139 | 2.9 | S | |
| 67 | TM | 1,2-EDB | 0.1305 | 0.1159 | 11 | TM | |
| 68 | TM | Tetrachloroethene | 0.1240 | 0.1293 | 4.3 | TM | |
| 69 | TM | 1-Chlorohexane | 0.1525 | 0.1655 | 8.5 | TM | |
| 70 | TM | 1,1,1,2-Tetrachloroethane | 0.1991 | 0.1969 | 1.1 | TM | |
| 71 | TM | m&p-Xylene | 0.2867 | 0.3016 | 5.2 | TM | |
| 72 | TM | o-Xylene | 0.2834 | 0.2997 | 5.8 | TM | |
| 73 | TM | Styrene | 0.4485 | 0.4477 | 0.17 | TM | |
| 74 | S | 4-Bromofluorobenzene(S) | 0.4574 | 0.4519 | 1.2 | S | |
| 75 | TM | 1,3-Dichloropropane | 0.1924 | 0.2017 | 4.8 | TM | |
| 76 | TM | Dibromochloromethane | 0.1867 | 0.1831 | 1.9 | TM | |
| 77 | TM** | Chlorobenzene | 0.4300 | 0.4645 | 8.0 | TM** | |
| 78 | TM* | Ethylbenzene | 0.6596 | 0.7277 | 10 | TM* | |
| 79 | TM** | Bromoform | 0.1487 | 0.1447 | 2.7 | TM** | |
| 80 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
| | | Average | | | 4.9 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M33.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 81 | TM | Isopropylbenzene | 1.143 | 1.184 | 3.6 | TM | |
| 82 | TM** | 1,1,2,2-Tetrachloroethane | 0.1931 | 0.1813 | 6.1 | TM** | |
| 83 | TM | 1,2,3-Trichloropropane | 0.0883 | 0.0975 | 10 | TM | |
| 84 | TM | t-1,4-Dichloro-2-Butene | 0.0468 | 0.0463 | 0.98 | TM | |
| 85 | TM | Bromobenzene | 0.3665 | 0.4022 | 9.8 | TM | |
| 86 | TM | n-Propylbenzene | 1.154 | 1.226 | 6.3 | TM | |
| 87 | TM | 4-Ethyltoluene | 1.085 | 1.176 | 8.3 | TM | |
| 88 | TML | 2-Chlorotoluene | 0.8947 | 0.9441 | 5.5 | TML | 18 |
| 89 | TM | 1,3,5-Trimethylbenzene | 0.9481 | 1.035 | 9.1 | TM | |
| 90 | TM | 4-Chlorotoluene | 0.8622 | 0.9032 | 4.7 | TM | |
| 91 | TM | Tert-Butylbenzene | 0.5767 | 0.6252 | 8.4 | TM | |
| 92 | TM | 1,2,4-Trimethylbenzene | 0.9590 | 1.010 | 5.3 | TM | |
| 93 | TM | Sec-Butylbenzene | 1.073 | 1.121 | 4.4 | TM | |
| 94 | TM | p-Isopropyltoluene | 1.053 | 1.098 | 4.3 | TM | |
| 95 | TML | Benzyl Chloride | 0.2830 | 0.2138 | 24 | TML | 17 |
| 96 | TM | 1,3-DCB | 0.6533 | 0.7279 | 11 | TM | |
| 97 | TM | 1,4-DCB | 0.6747 | 0.7117 | 5.5 | TM | |
| 98 | TM | n-Butylbenzene | 0.6541 | 0.6991 | 6.9 | TM | |
| 99 | TM | 1,2-DCB | 0.6557 | 0.6716 | 2.4 | TM | |
| 100 | TM | Hexachloroethane | 0.1888 | 0.1769 | 6.3 | TM | |
| 101 | TML | 1,2-Dibromo-3-chloropropane | 0.0636 | 0.0646 | 1.6 | TML | 7.9 |
| 102 | TML | 1,2,4-Trichlorobenzene | 0.3740 | 0.3933 | 5.2 | TML | 7.6 |
| 103 | TML | Hexachlorobutadiene | 0.2750 | 0.2872 | 4.4 | TML | 4.8 |
| 104 | TML | Naphthalene | 0.3151 | 0.2809 | 11 | TML | 11 |
| 105 | TML | 1,2,3-Trichlorobenzene | 0.3346 | 0.3205 | 4.2 | TML | 6.0 |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |
| | | Average | | | 6.8 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M33.D Vial: 23
Acq On : 26 Aug 21 1:02 Operator: LP,DG,CH
Sample : 210825A CCV/ LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:45 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 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 | 252822 | 25.00 ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 214017 | 25.00 ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137437 | 25.00 ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 74067 | 24.29 ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.168% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 49024 | 24.47 ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.868% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 243703 | 24.28 ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.132% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96707 | 24.70 ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.792% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 18507 | 11.46 ppb | | 98 |
| 4) Freon 114 | 1.18 | 85 | 10471 | 10.61 ppb | | 89 |
| 5) Chloromethane | 1.22 | 50 | 10326 | 11.27 ppb | # | 86 |
| 6) Vinyl chloride | 1.31 | 62 | 11624 | 10.95 ppb | | 88 |
| 8) Bromomethane | 1.56 | 94 | 7474 | 8.65 ppb | | 98 |
| 9) Chloroethane | 1.66 | 64 | 5604 | 10.92 ppb | | 93 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 21741 | 10.96 ppb | | 93 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 32118 | 11.80 ppb | | 97 |
| 13) Acrolein | 2.29 | 56 | 14042 | 105.47 ppb | | 100 |
| 14) Acetone | 2.46 | 43 | 7326 | 48.08 ppb | | 92 |
| 15) Freon-113 | 2.38 | 151 | 13578 | 11.16 ppb | # | 86 |
| 16) Acetonitrile | 2.77 | 41 | 9920 | 125.00 ppb | | 97 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 10088 | 9.12 ppb | | 97 |
| 19) 1,1-DCE | 2.36 | 61 | 17118 | 9.84 ppb | | 90 |
| 20) t-Butanol | 3.16 | 59 | 13582 | 132.02 ppb | | 96 |
| 21) Methyl Acetate | 2.83 | 43 | 5129 | 9.31 ppb | # | 81 |
| 22) Iodomethane | 2.51 | 142 | 9583 | 9.60 ppb | | 86 |
| 23) Acrylonitrile | 3.25 | 53 | 3020 | 10.38 ppb | # | 84 |
| 25) Methylene chloride | 2.92 | 84 | 11785 | 10.78 ppb | | 91 |
| 26) Carbon disulfide | 2.56 | 76 | 20368 | 11.43 ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 35987 | 9.55 ppb | # | 83 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 12952 | 10.55 ppb | | 72 |
| 30) Hexane | 3.65 | 56 | 4313 | 9.58 ppb | # | 70 |
| 31) Diisopropyl Ether | 4.05 | 45 | 25361 | 10.42 ppb | | 96 |
| 32) 1,1-DCA | 3.86 | 63 | 19400 | 9.90 ppb | # | 92 |
| 33) Vinyl Acetate | 4.04 | 43 | 11803 | 12.90 ppb | | 94 |
| 34) Ethyl tert Butyl Ether | 4.61 | 59 | 31811 | 10.05 ppb | | 94 |
| 36) MEK (2-Butanone) | 4.84 | 43 | 8475 | 50.84 ppb | | 91 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 13807 | 10.23 ppb | | 85 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 19786 | 8.78 ppb | | 92 |
| 39) Chloroform | 5.21 | 83 | 25225 | 10.25 ppb | # | 71 |
| 40) Bromochloromethane | 5.06 | 130 | 12221 | 11.89 ppb | | 87 |
| 42) 1,1,1-TCA | 5.40 | 97 | 29848 | 11.26 ppb | | 93 |
| 43) Cyclohexane | 5.44 | 41 | 8165 | 10.08 ppb | | 97 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 15570 | 10.02 ppb | | 96 |
| 45) 2,2,4-Trimethylpentane | 5.99 | 57 | 21086 | 9.61 ppb | | 87 |
| 47) Carbon Tetrachloride | 5.59 | 117 | 27316 | 11.19 ppb | | 86 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 31739 | 10.27 ppb | | 94 |
| 49) 1,2-DCA | 5.91 | 62 | 23404 | 10.52 ppb | | 97 |
| 50) Benzene | 5.86 | 78 | 46247 | 10.64 ppb | | 95 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M33.D Vial: 23
Acq On : 26 Aug 21 1:02 Operator: LP,DG,CH
Sample : 210825A CCV/ LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:45 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc Unit | | Qvalue |
|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 14693 | 10.96 ppb | | 96 |
| 52) | 2-Pentanone | 6.90 | 43 | 64696 | 118.52 ppb | | 98 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 5591 | 10.79 ppb | # | 81 |
| 54) | Bromodichloromethane | 7.20 | 83 | 19504 | 10.09 ppb | | 94 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 19064 | 11.33 ppb | | 79 |
| 56) | Dibromomethane | 7.00 | 93 | 7792 | 10.35 ppb | | 86 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 16727 | 51.15 ppb | | 98 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 2751 | 10.45 ppb | | 96 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 11342 | 10.50 ppb | | 90 |
| 61) | Toluene | 8.02 | 91 | 52135 | 10.72 ppb | | 99 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 18560 | 10.74 ppb | | 88 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 8138 | 10.91 ppb | | 83 |
| 64) | 2-Hexanone | 8.75 | 43 | 10585 | 49.54 ppb | # | 95 |
| 67) | 1,2-EDB | 8.94 | 107 | 9919 | 8.88 ppb | | 86 |
| 68) | Tetrachloroethene | 8.57 | 164 | 11072 | 10.43 ppb | | 92 |
| 69) | 1-Chlorohexane | 9.45 | 91 | 14170 | 10.85 ppb | | 94 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 16855 | 9.89 ppb | | 99 |
| 71) | m&p-Xylene | 9.69 | 106 | 51641 | 21.04 ppb | | 86 |
| 72) | o-Xylene | 10.08 | 106 | 25660 | 10.58 ppb | | 98 |
| 73) | Styrene | 10.10 | 104 | 38325 | 9.98 ppb | | 94 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 17264 | 10.48 ppb | | 96 |
| 76) | Dibromochloromethane | 8.84 | 129 | 15678 | 9.81 ppb | | 80 |
| 77) | Chlorobenzene | 9.44 | 112 | 39763 | 10.80 ppb | | 97 |
| 78) | Ethylbenzene | 9.56 | 91 | 62297 | 11.03 ppb | | 90 |
| 79) | Bromoform | 10.27 | 173 | 12386 | 9.73 ppb | | 87 |
| 81) | Isopropylbenzene | 10.45 | 105 | 65064 | 10.36 ppb | | 97 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 9968 | 9.39 ppb | | 98 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 5359 | 11.04 ppb | | 91 |
| 84) | t-1,4-Dichloro-2-Butene | 10.83 | 53 | 2545 | 9.90 ppb | | 88 |
| 85) | Bromobenzene | 10.73 | 156 | 22111 | 10.98 ppb | | 97 |
| 86) | n-Propylbenzene | 10.86 | 91 | 67398 | 10.63 ppb | | 100 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 64647 | 10.83 ppb | | 97 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 51902 | 11.76 ppb | | 86 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 56880 | 10.91 ppb | | 96 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 49651 | 10.47 ppb | | 91 |
| 91) | Tert-Butylbenzene | 11.37 | 119 | 34368 | 10.84 ppb | | 95 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 55506 | 10.53 ppb | | 86 |
| 93) | Sec-Butylbenzene | 11.59 | 105 | 61601 | 10.44 ppb | | 93 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 60387 | 10.43 ppb | | 98 |
| 95) | Benzyl Chloride | 11.92 | 91 | 11751 | 8.30 ppb | | 92 |
| 96) | 1,3-DCB | 11.77 | 146 | 40016 | 11.14 ppb | | 97 |
| 97) | 1,4-DCB | 11.68 | 146 | 39124 | 10.55 ppb | | 95 |
| 98) | n-Butylbenzene | 12.14 | 91 | 38431 | 10.69 ppb | | 95 |
| 99) | 1,2-DCB | 12.14 | 146 | 36921 | 10.24 ppb | | 97 |
| 100) | Hexachloroethane | 12.38 | 117 | 9725 | 9.37 ppb | | 95 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 3551 | 9.21 ppb | | 97 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 21623 | 9.24 ppb | # | 91 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 15786 | 9.52 ppb | | 94 |
| 104) | Naphthalene | 13.99 | 128 | 15441 | 8.86 ppb | | 98 |
| 105) | 1,2,3-Trichlorobenzene | 14.23 | 180 | 17618 | 9.40 ppb | | 99 |

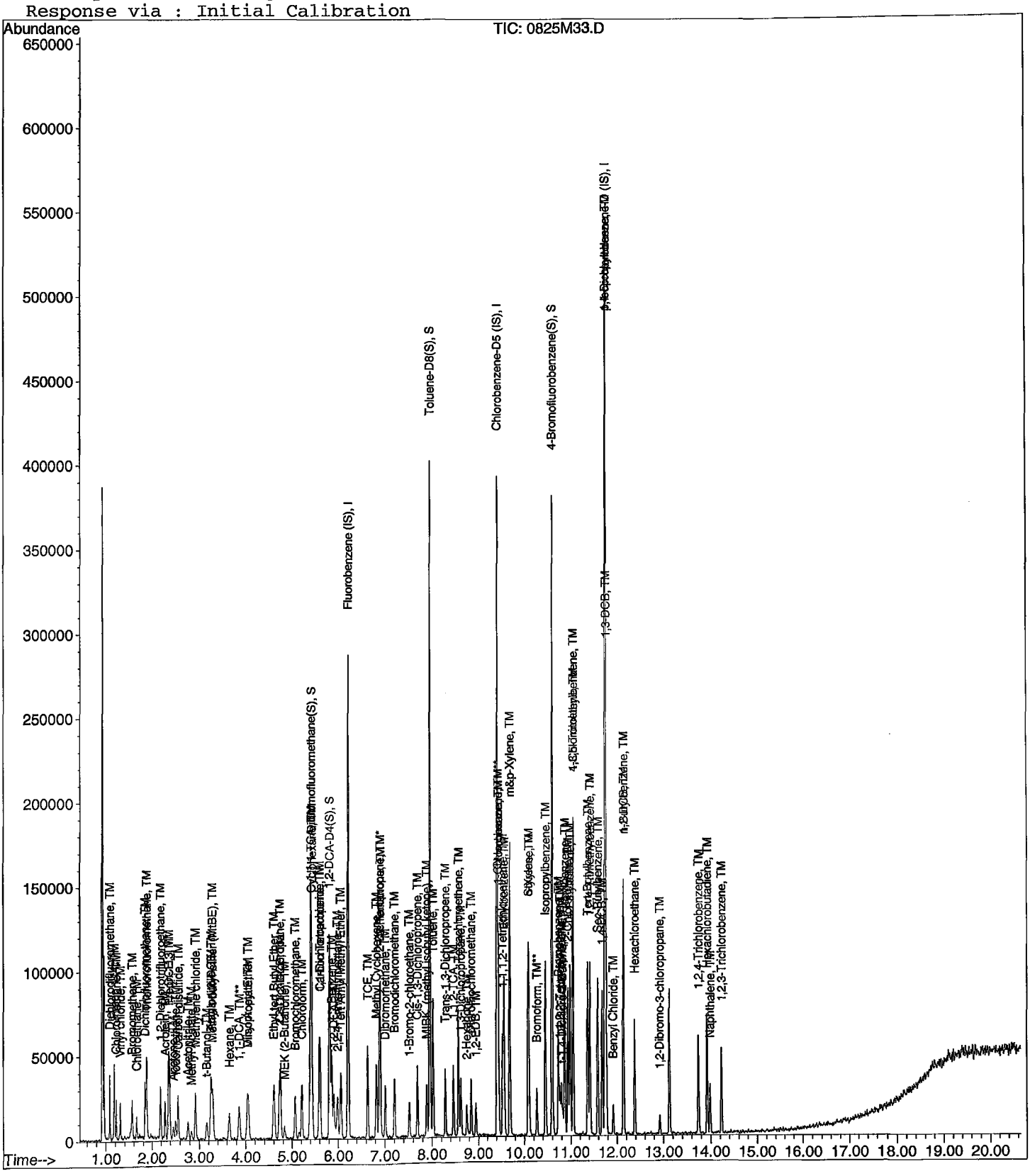
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M33.D Vial: 23
Acq On : 26 Aug 21 1:02 Operator: LP,DG,CH
Sample : 210825A CCV/ LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:45 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/26/2021
Matrix: Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M55.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TM | Chlorotrifluoroethene | 0.0000 | 0.0236 | 0.00 | TM | |
| 3 | TM | Dichlorodifluoromethane | 0.1597 | 0.1618 | 1.3 | TM | |
| 4 | TML | Freon 114 | 0.1150 | 0.0859 | 25 | TML | 13 |
| 5 | TM** | Chloromethane | 0.0906 | 0.0743 | 18 | TM** | |
| 6 | TM* | Vinyl chloride | 0.1050 | 0.1005 | 4.2 | TM* | |
| 7 | TM | 2-Chloro-1,1,1-trifluoroethane | 0.0000 | 0.0038 | 0.00 | TM | |
| 8 | TM | Bromomethane | 0.0854 | 0.0644 | 25 | TM | |
| 9 | TM | Chloroethane | 0.0507 | 0.0465 | 8.4 | TM | |
| 10 | TM | Dichlorofluoromethane | 0.1961 | 0.1917 | 2.3 | TM | |
| 11 | TM | Trichlorofluoromethane | 0.2692 | 0.2846 | 5.7 | TM | |
| 12 | TM | 2,2-Dichloro-1,1,1-trifluoroethane | 0.0000 | 0.0002 | 0.00 | TM | |
| 13 | TM | Acrolein | 0.0132 | 0.0093 | 29 | TM | |
| 14 | TM | Acetone | 0.0151 | 0.0170 | 13 | TM | |
| 15 | TM | Freon-113 | 0.1203 | 0.1258 | 4.5 | TM | |
| 16 | TM | Acetonitrile | 0.0078 | 0.0072 | 8.6 | TM | |
| 17 | TM | 2-propanol | 0.0000 | 0.0004 | 0.00 | TM | |
| 18 | TML | 1,2-Dichlorotrifluoroethane | 0.1186 | 0.0870 | 27 | TML | 20 |
| 19 | TM* | 1,1-DCE | 0.1720 | 0.1611 | 6.3 | TM* | |
| 20 | TM | t-Butanol | 0.0102 | 0.0100 | 2.2 | TM | |
| 21 | TM | Methyl Acetate | 0.0545 | 0.0485 | 11 | TM | |
| 22 | TML | Iodomethane | 0.0904 | 0.0652 | 28 | TML | 24 |
| 23 | TML | Acrylonitrile | 0.0239 | 0.0301 | 26 | TML | 4.5 |
| 24 | TM | 2-Methylpentane | 0.0000 | 0.0002 | 0.00 | TM | |
| 25 | TML | Methylene chloride | 0.1215 | 0.1146 | 5.6 | TML | 6.0 |
| 26 | TM | Carbon disulfide | 0.1763 | 0.1677 | 4.9 | TM | |
| 27 | TM | Methyl t-butyl ether (MtBE) | 0.3725 | 0.3604 | 3.3 | TM | |
| 28 | TM | Trans-1,2-DCE | 0.1213 | 0.1185 | 2.3 | TM | |
| 29 | TM | 3-Methylpentane | 0.0000 | 0.0561 | 0.00 | TM | |
| 30 | TML | Hexane | 0.0429 | 0.0349 | 19 | TML | 19 |
| 31 | TM | Diisopropyl Ether | 0.2406 | 0.2337 | 2.9 | TM | |
| 32 | TM** | 1,1-DCA | 0.1938 | 0.1748 | 9.8 | TM** | |
| 33 | TML | Vinyl Acetate | 0.0962 | 0.1166 | 21 | TML | 29 |
| 34 | TM | Ethyl tert Butyl Ether | 0.3130 | 0.2911 | 7.0 | TM | |
| 35 | TM | Methylcyclopentane | 0.0000 | 0.0137 | 0.00 | TM | |
| 36 | TM | MEK (2-Butanone) | 0.0165 | 0.0156 | 5.5 | TM | |
| 37 | TM | Cis-1,2-DCE | 0.1335 | 0.1286 | 3.7 | TM | |
| 38 | TM | 2,2-Dichloropropane | 0.2229 | 0.1686 | 24 | TM | |
| 39 | TM* | Chloroform | 0.2433 | 0.2424 | 0.38 | TM* | |
| 40 | TM | Bromochloromethane | 0.1017 | 0.1046 | 2.9 | TM | |
| | | Average | | | 9.2 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/26/2021
Matrix: 0 Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M55.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 41 | S | Dibromofluoromethane(S) | 0.3015 | 0.2986 | 0.96 | S | |
| 42 | TM | 1,1,1-TCA | 0.2621 | 0.2656 | 1.3 | TM | |
| 43 | TML | Cyclohexane | 0.0877 | 0.0856 | 2.4 | TML | 7.0 |
| 44 | TM | 1,1-Dichloropropene | 0.1537 | 0.1463 | 4.8 | TM | |
| 45 | TM | 2,2,4-Trimethylpentane | 0.2170 | 0.1811 | 17 | TM | |
| 46 | S | 1,2-DCA-D4(S) | 0.1981 | 0.2062 | 4.1 | S | |
| 47 | TM | Carbon Tetrachloride | 0.2414 | 0.2477 | 2.6 | TM | |
| 48 | TM | Tert Amyl Methyl Ether | 0.3056 | 0.2944 | 3.7 | TM | |
| 49 | TM | 1,2-DCA | 0.2200 | 0.2039 | 7.3 | TM | |
| 50 | TM | Benzene | 0.4296 | 0.4270 | 0.60 | TM | |
| 51 | TM | TCE | 0.1325 | 0.1260 | 4.9 | TM | |
| 52 | TM | 2-Pentanone | 0.0540 | 0.0488 | 9.7 | TM | |
| 53 | TM*L | 1,2-Dichloropropane | 0.0543 | 0.0456 | 16 | TM*L | 11 |
| 54 | TM | Bromodichloromethane | 0.1912 | 0.1945 | 1.7 | TM | |
| 55 | TM | Methyl Cyclohexane | 0.1664 | 0.1675 | 0.69 | TM | |
| 56 | TM | Dibromomethane | 0.0745 | 0.0721 | 3.1 | TM | |
| 57 | TM | MIBK (methyl isobutyl ketone) | 0.0323 | 0.0298 | 7.8 | TM | |
| 58 | TM | 1-Bromo-2-chloroethane | 0.0260 | 0.0280 | 7.4 | TM | |
| 59 | TM | 2-Chloroethyl vinyl ether | 0.0000 | 0.0298 | 0.00 | TM | |
| 60 | TM | Cis-1,3-Dichloropropene | 0.1068 | 0.0962 | 9.9 | TM | |
| 61 | TM* | Toluene | 0.4809 | 0.4684 | 2.6 | TM* | |
| 62 | TM | Trans-1,3-Dichloropropene | 0.1709 | 0.1605 | 6.1 | TM | |
| 63 | TML | 1,1,2-TCA | 0.0793 | 0.0723 | 8.8 | TML | 2.3 |
| 64 | TM | 2-Hexanone | 0.0211 | 0.0187 | 11 | TM | |
| 65 | I | Chlorobenzene-D5 (IS) | ISTD | | | I | |
| 66 | S | Toluene-D8(S) | 1.172 | 1.141 | 2.7 | S | |
| 67 | TM | 1,2-EDB | 0.1305 | 0.1345 | 3.1 | TM | |
| 68 | TM | Tetrachloroethene | 0.1240 | 0.1189 | 4.2 | TM | |
| 69 | TM | 1-Chlorohexane | 0.1525 | 0.1309 | 14 | TM | |
| 70 | TM | 1,1,1,2-Tetrachloroethane | 0.1991 | 0.1791 | 10 | TM | |
| 71 | TM | m&p-Xylene | 0.2867 | 0.2665 | 7.0 | TM | |
| 72 | TM | o-Xylene | 0.2834 | 0.2720 | 4.0 | TM | |
| 73 | TM | Styrene | 0.4485 | 0.4331 | 3.4 | TM | |
| 74 | S | 4-Bromofluorobenzene(S) | 0.4574 | 0.4532 | 0.92 | S | |
| 75 | TM | 1,3-Dichloropropane | 0.1924 | 0.1855 | 3.6 | TM | |
| 76 | TM | Dibromochloromethane | 0.1867 | 0.1733 | 7.2 | TM | |
| 77 | TM** | Chlorobenzene | 0.4300 | 0.4269 | 0.74 | TM** | |
| 78 | TM* | Ethylbenzene | 0.6596 | 0.6868 | 4.1 | TM* | |
| 79 | TM** | Bromoform | 0.1487 | 0.1494 | 0.53 | TM** | |
| 80 | I | 1,4-Dichlorobenzene-D (IS) | ISTD | | | I | |
| | | Average | | | 5.3 | | |

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

## Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 8/26/2021
Matrix: 0 Instrument: Max
Cal. Date: 8/25/2021
Data File: 0825M55.D

| | | Compound | MEAN | CCRF | %D | | %Drift |
|---|---|---|---|---|---|---|---|
| 81 | TM | Isopropylbenzene | 1.143 | 1.080 | 5.5 | TM | |
| 82 | TM** | 1,1,2,2-Tetrachloroethane | 0.1931 | 0.1595 | 17 | TM** | |
| 83 | TM | 1,2,3-Trichloropropane | 0.0883 | 0.0969 | 9.7 | TM | |
| 84 | TM | t-1,4-Dichloro-2-Butene | 0.0468 | 0.0407 | 13 | TM | |
| 85 | TM | Bromobenzene | 0.3665 | 0.3734 | 1.9 | TM | |
| 86 | TM | n-Propylbenzene | 1.154 | 1.075 | 6.8 | TM | |
| 87 | TM | 4-Ethyltoluene | 1.085 | 0.9955 | 8.3 | TM | |
| 88 | TML | 2-Chlorotoluene | 0.8947 | 0.8460 | 5.4 | TML | 4.9 |
| 89 | TM | 1,3,5-Trimethylbenzene | 0.9481 | 0.9345 | 1.4 | TM | |
| 90 | TM | 4-Chlorotoluene | 0.8622 | 0.8554 | 0.79 | TM | |
| 91 | TM | Tert-Butylbenzene | 0.5767 | 0.5692 | 1.3 | TM | |
| 92 | TM | 1,2,4-Trimethylbenzene | 0.9590 | 0.8865 | 7.6 | TM | |
| 93 | TM | Sec-Butylbenzene | 1.073 | 1.021 | 4.8 | TM | |
| 94 | TM | p-Isopropyltoluene | 1.053 | 0.9978 | 5.3 | TM | |
| 95 | TML | Benzyl Chloride | 0.2830 | 0.1466 | 48 | TML | 37 |
| 96 | TM | 1,3-DCB | 0.6533 | 0.6503 | 0.45 | TM | |
| 97 | TM | 1,4-DCB | 0.6747 | 0.6355 | 5.8 | TM | |
| 98 | TM | n-Butylbenzene | 0.6541 | 0.5537 | 15 | TM | |
| 99 | TM | 1,2-DCB | 0.6557 | 0.6150 | 6.2 | TM | |
| 100 | TM | Hexachloroethane | 0.1888 | 0.1730 | 8.4 | TM | |
| 101 | TML | 1,2-Dibromo-3-chloropropane | 0.0636 | 0.0662 | 4.2 | TML | 6.0 |
| 102 | TML | 1,2,4-Trichlorobenzene | 0.3740 | 0.3486 | 6.8 | TML | 15 |
| 103 | TML | Hexachlorobutadiene | 0.2750 | 0.2468 | 10 | TML | 16 |
| 104 | TML | Naphthalene | 0.3151 | 0.2890 | 8.3 | TML | 16 |
| 105 | TML | 1,2,3-Trichlorobenzene | 0.3346 | 0.3048 | 8.9 | TML | 9.0 |
| 106 | | | | | | | |
| 107 | | | | | | | |
| 108 | | | | | | | |
| 109 | | | | | | | |
| 110 | | | | | | | |
| 111 | | | | | | | |
| 112 | | | | | | | |
| 113 | | | | | | | |
| 114 | | | | | | | |
| 115 | | | | | | | |
| 116 | | | | | | | |
| 117 | | | | | | | |
| 118 | | | | | | | |
| 119 | | | | | | | |
| 120 | | | | | | | |
| | | Average | | | 8.4 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M55.D Vial: 45
Acq On : 26 Aug 21 11:17 Operator: LP,DG,CH
Sample : Ending CCV/ LCSD 10ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:47 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 247276 | 25.00 | ppb | | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 204965 | 25.00 | ppb | | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.74 | 152 | 133071 | 25.00 | ppb | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 73837 | 24.76 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.040% | | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 50984 | 26.02 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 104.064% | | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 233887 | 24.33 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.336% | | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 92886 | 24.77 | ppb | | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.080% | | | | |
| **Target Compounds** | | | | | | | Qvalue |
| 3) Dichlorodifluoromethane | 1.09 | 85 | 16004 | 10.13 | ppb | | 99 |
| 4) Freon 114 | 1.18 | 85 | 8495 | 8.74 | ppb | | 98 |
| 5) Chloromethane | 1.22 | 50 | 7352 | 8.20 | ppb | | 95 |
| 6) Vinyl chloride | 1.31 | 62 | 9943 | 9.58 | ppb | | 93 |
| 8) Bromomethane | 1.56 | 94 | 6370 | 7.54 | ppb | | 99 |
| 9) Chloroethane | 1.66 | 64 | 4596 | 9.16 | ppb | | 98 |
| 10) Dichlorofluoromethane | 1.84 | 67 | 18957 | 9.77 | ppb | | 96 |
| 11) Trichlorofluoromethane | 1.88 | 101 | 28149 | 10.57 | ppb | | 98 |
| 13) Acrolein | 2.29 | 56 | 11487 | 88.21 | ppb | | 97 |
| 14) Acetone | 2.46 | 43 | 8396 | 56.34 | ppb | # | 82 |
| 15) Freon-113 | 2.38 | 151 | 12439 | 10.45 | ppb | | 90 |
| 16) Acetonitrile | 2.76 | 41 | 8867 | 114.24 | ppb | # | 85 |
| 18) 1,2-Dichlorotrifluoroethan | 2.19 | 67 | 8606 | 7.99 | ppb | # | 91 |
| 19) 1,1-DCE | 2.36 | 61 | 15930 | 9.37 | ppb | | 93 |
| 20) t-Butanol | 3.16 | 59 | 12307 | 122.31 | ppb | | 97 |
| 21) Methyl Acetate | 2.83 | 43 | 4802 | 8.91 | ppb | | 89 |
| 22) Iodomethane | 2.51 | 142 | 6451 | 7.57 | ppb | # | 75 |
| 23) Acrylonitrile | 3.25 | 53 | 2974 | 10.45 | ppb | # | 68 |
| 25) Methylene chloride | 2.92 | 84 | 11338 | 10.60 | ppb | | 86 |
| 26) Carbon disulfide | 2.56 | 76 | 16584 | 9.51 | ppb | | 97 |
| 27) Methyl t-butyl ether (MtBE | 3.29 | 73 | 35647 | 9.67 | ppb | | 96 |
| 28) Trans-1,2-DCE | 3.25 | 96 | 11721 | 9.77 | ppb | | 77 |
| 30) Hexane | 3.64 | 56 | 3453 | 8.07 | ppb | # | 70 |
| 31) Diisopropyl Ether | 4.05 | 45 | 23118 | 9.71 | ppb | | 90 |
| 32) 1,1-DCA | 3.86 | 63 | 17291 | 9.02 | ppb | | 95 |
| 33) Vinyl Acetate | 4.04 | 43 | 11533 | 12.88 | ppb | # | 79 |
| 34) Ethyl tert Butyl Ether | 4.60 | 59 | 28792 | 9.30 | ppb | | 91 |
| 36) MEK (2-Butanone) | 4.83 | 43 | 7704 | 47.25 | ppb | # | 95 |
| 37) Cis-1,2-DCE | 4.75 | 96 | 12716 | 9.63 | ppb | | 88 |
| 38) 2,2-Dichloropropane | 4.72 | 77 | 16672 | 7.56 | ppb | # | 90 |
| 39) Chloroform | 5.21 | 83 | 23979 | 9.96 | ppb | | 92 |
| 40) Bromochloromethane | 5.07 | 130 | 10349 | 10.29 | ppb | | 91 |
| 42) 1,1,1-TCA | 5.40 | 97 | 26275 | 10.13 | ppb | | 95 |
| 43) Cyclohexane | 5.44 | 41 | 8466 | 10.70 | ppb | | 96 |
| 44) 1,1-Dichloropropene | 5.61 | 75 | 14475 | 9.52 | ppb | | 93 |
| 45) 2,2,4-Trimethylpentane | 5.98 | 57 | 17913 | 8.35 | ppb | | 85 |
| 47) Carbon Tetrachloride | 5.60 | 117 | 24499 | 10.26 | ppb | # | 74 |
| 48) Tert Amyl Methyl Ether | 6.06 | 73 | 29120 | 9.63 | ppb | | 99 |
| 49) 1,2-DCA | 5.91 | 62 | 20171 | 9.27 | ppb | # | 92 |
| 50) Benzene | 5.86 | 78 | 42238 | 9.94 | ppb | | 95 |

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M55.D Vial: 45
Acq On : 26 Aug 21 11:17 Operator: LP,DG,CH
Sample : Ending CCV/ LCSD 10ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:47 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Aug 26 11:16:48 2021
Response via : Initial Calibration
DataAcq Meth : M8260_081021

| | Compound | R.T. | QIon | Response | Conc | Unit | | Qvalue |
|---|---|---|---|---|---|---|---|---|
| 51) | TCE | 6.63 | 95 | 12462 | 9.51 | ppb | | 96 |
| 52) | 2-Pentanone | 6.90 | 43 | 60275 | 112.90 | ppb | | 99 |
| 53) | 1,2-Dichloropropane | 6.88 | 63 | 4514 | 8.86 | ppb | # | 89 |
| 54) | Bromodichloromethane | 7.20 | 83 | 19235 | 10.17 | ppb | | 98 |
| 55) | Methyl Cyclohexane | 6.82 | 83 | 16569 | 10.07 | ppb | | 80 |
| 56) | Dibromomethane | 7.01 | 93 | 7135 | 9.69 | ppb | | 99 |
| 57) | MIBK (methyl isobutyl ket | 7.89 | 43 | 14749 | 46.11 | ppb | | 94 |
| 58) | 1-Bromo-2-chloroethane | 7.52 | 144 | 2765 | 10.74 | ppb | | 93 |
| 60) | Cis-1,3-Dichloropropene | 7.69 | 39 | 9516 | 9.01 | ppb | | 93 |
| 61) | Toluene | 8.02 | 91 | 46328 | 9.74 | ppb | | 93 |
| 62) | Trans-1,3-Dichloropropene | 8.28 | 75 | 15880 | 9.39 | ppb | | 99 |
| 63) | 1,1,2-TCA | 8.46 | 83 | 7148 | 9.77 | ppb | | 82 |
| 64) | 2-Hexanone | 8.75 | 43 | 9259 | 44.30 | ppb | | 99 |
| 67) | 1,2-EDB | 8.93 | 107 | 11026 | 10.31 | ppb | | 99 |
| 68) | Tetrachloroethene | 8.57 | 164 | 9747 | 9.58 | ppb | | 92 |
| 69) | 1-Chlorohexane | 9.44 | 91 | 10730 | 8.58 | ppb | | 97 |
| 70) | 1,1,1,2-Tetrachloroethane | 9.53 | 131 | 14683 | 9.00 | ppb | | 90 |
| 71) | m&p-Xylene | 9.69 | 106 | 43702 | 18.60 | ppb | | 90 |
| 72) | o-Xylene | 10.08 | 106 | 22304 | 9.60 | ppb | | 89 |
| 73) | Styrene | 10.10 | 104 | 35506 | 9.66 | ppb | | 94 |
| 75) | 1,3-Dichloropropane | 8.62 | 76 | 15207 | 9.64 | ppb | | 97 |
| 76) | Dibromochloromethane | 8.84 | 129 | 14208 | 9.28 | ppb | | 84 |
| 77) | Chlorobenzene | 9.44 | 112 | 34996 | 9.93 | ppb | | 93 |
| 78) | Ethylbenzene | 9.56 | 91 | 56307 | 10.41 | ppb | | 91 |
| 79) | Bromoform | 10.27 | 173 | 12252 | 10.05 | ppb | | 84 |
| 81) | Isopropylbenzene | 10.45 | 105 | 57462 | 9.45 | ppb | | 99 |
| 82) | 1,1,2,2-Tetrachloroethane | 10.77 | 83 | 8489 | 8.26 | ppb | # | 91 |
| 83) | 1,2,3-Trichloropropane | 10.80 | 110 | 5157 | 10.97 | ppb | | 93 |
| 84) | t-1,4-Dichloro-2-Butene | 10.82 | 53 | 2166 | 8.70 | ppb | # | 58 |
| 85) | Bromobenzene | 10.73 | 156 | 19874 | 10.19 | ppb | | 92 |
| 86) | n-Propylbenzene | 10.86 | 91 | 57215 | 9.32 | ppb | | 97 |
| 87) | 4-Ethyltoluene | 10.98 | 105 | 52991 | 9.17 | ppb | | 100 |
| 88) | 2-Chlorotoluene | 10.93 | 91 | 45030 | 10.49 | ppb | | 94 |
| 89) | 1,3,5-Trimethylbenzene | 11.05 | 105 | 49740 | 9.86 | ppb | | 95 |
| 90) | 4-Chlorotoluene | 11.05 | 91 | 45531 | 9.92 | ppb | | 97 |
| 91) | Tert-Butylbenzene | 11.36 | 119 | 30296 | 9.87 | ppb | | 94 |
| 92) | 1,2,4-Trimethylbenzene | 11.41 | 105 | 47189 | 9.24 | ppb | | 85 |
| 93) | Sec-Butylbenzene | 11.58 | 105 | 54347 | 9.52 | ppb | | 100 |
| 94) | p-Isopropyltoluene | 11.74 | 119 | 53111 | 9.47 | ppb | | 95 |
| 95) | Benzyl Chloride | 11.92 | 91 | 7805 | 6.27 | ppb | # | 87 |
| 96) | 1,3-DCB | 11.77 | 146 | 34617 | 9.96 | ppb | | 97 |
| 97) | 1,4-DCB | 11.68 | 146 | 33829 | 9.42 | ppb | | 99 |
| 98) | n-Butylbenzene | 12.14 | 91 | 29472 | 8.46 | ppb | | 95 |
| 99) | 1,2-DCB | 12.13 | 146 | 32736 | 9.38 | ppb | | 89 |
| 100) | Hexachloroethane | 12.38 | 117 | 9206 | 9.16 | ppb | | 91 |
| 101) | 1,2-Dibromo-3-chloropropan | 12.92 | 157 | 3525 | 9.40 | ppb | # | 93 |
| 102) | 1,2,4-Trichlorobenzene | 13.74 | 180 | 18555 | 8.51 | ppb | | 98 |
| 103) | Hexachlorobutadiene | 13.92 | 225 | 13136 | 8.36 | ppb | | 92 |
| 104) | Naphthalene | 13.98 | 128 | 15384 | 8.43 | ppb | # | 92 |
| 105) | 1,2,3-Trichlorobenzene | 14.22 | 180 | 16222 | 9.10 | ppb | | 99 |

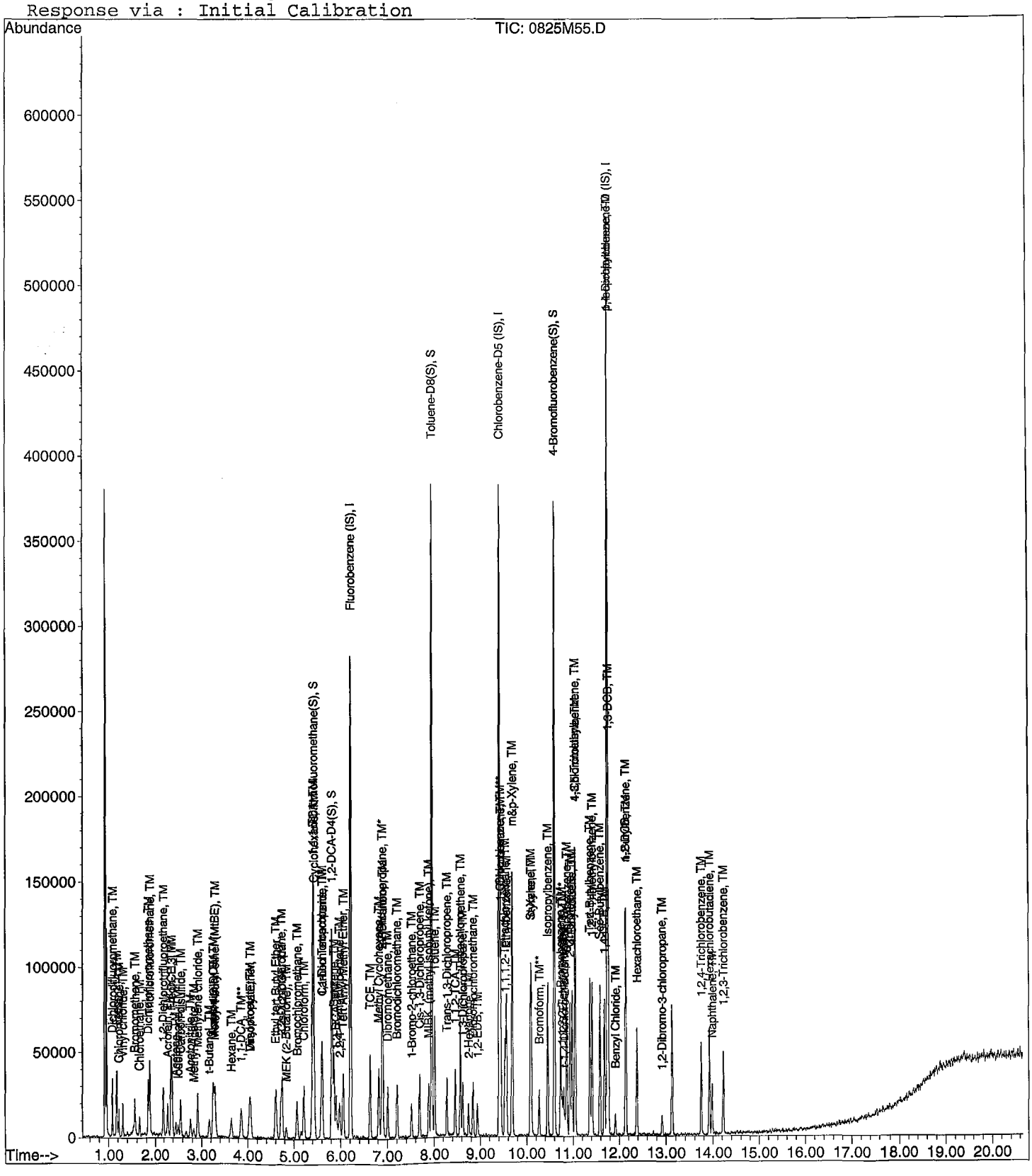
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M55.D Vial: 45
Acq On : 26 Aug 21 11:17 Operator: LP,DG,CH
Sample : Ending CCV/ LCSD 10ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 11:47 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M41.D Vial: 31
Acq On : 26 Aug 21 4:46 Operator: LP,DG,CH
Sample : BA37729W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 14:59 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 242123 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 205663 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 125856 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 73963 | 25.33 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.320% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 47872 | 24.95 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.792% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 235900 | 24.46 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.840% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 93584 | 24.87 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.488% | | | |

Target Compounds Qvalue

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

Quantitation Report

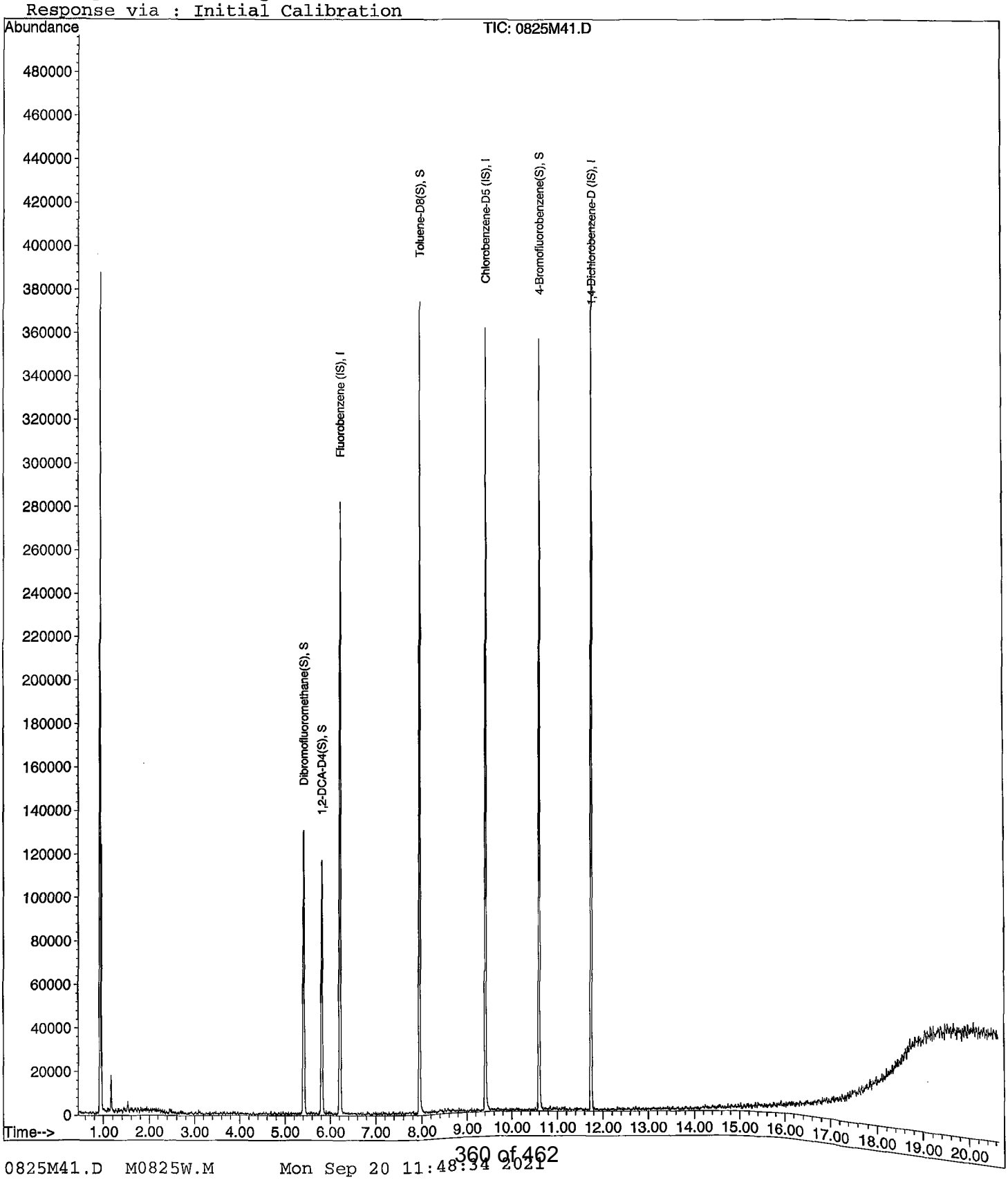
Data File : M:\MAX\DATA\210825\0825M41.D
Acq On : 26 Aug 21 4:46
Sample : BA37729W01
Misc : IS&S 6/4/21

Vial: 31
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 14:59 2021

Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration






0825M41.D M0825W.M Mon Sep 20 11:48:34 2021

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M42.D Vial: 32
Acq On : 26 Aug 21 5:14 Operator: LP,DG,CH
Sample : BA37730W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:01 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 248738 | 25.00 ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 200562 | 25.00 ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 126188 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 72095 | 24.03 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 96.136% | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 48752 | 24.73 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.924% | |
| 66) Toluene-D8(S) | 7.95 | 98 | 229950 | 24.45 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 97.796% | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 92733 | 25.27 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 101.088% | |

Target Compounds Qvalue

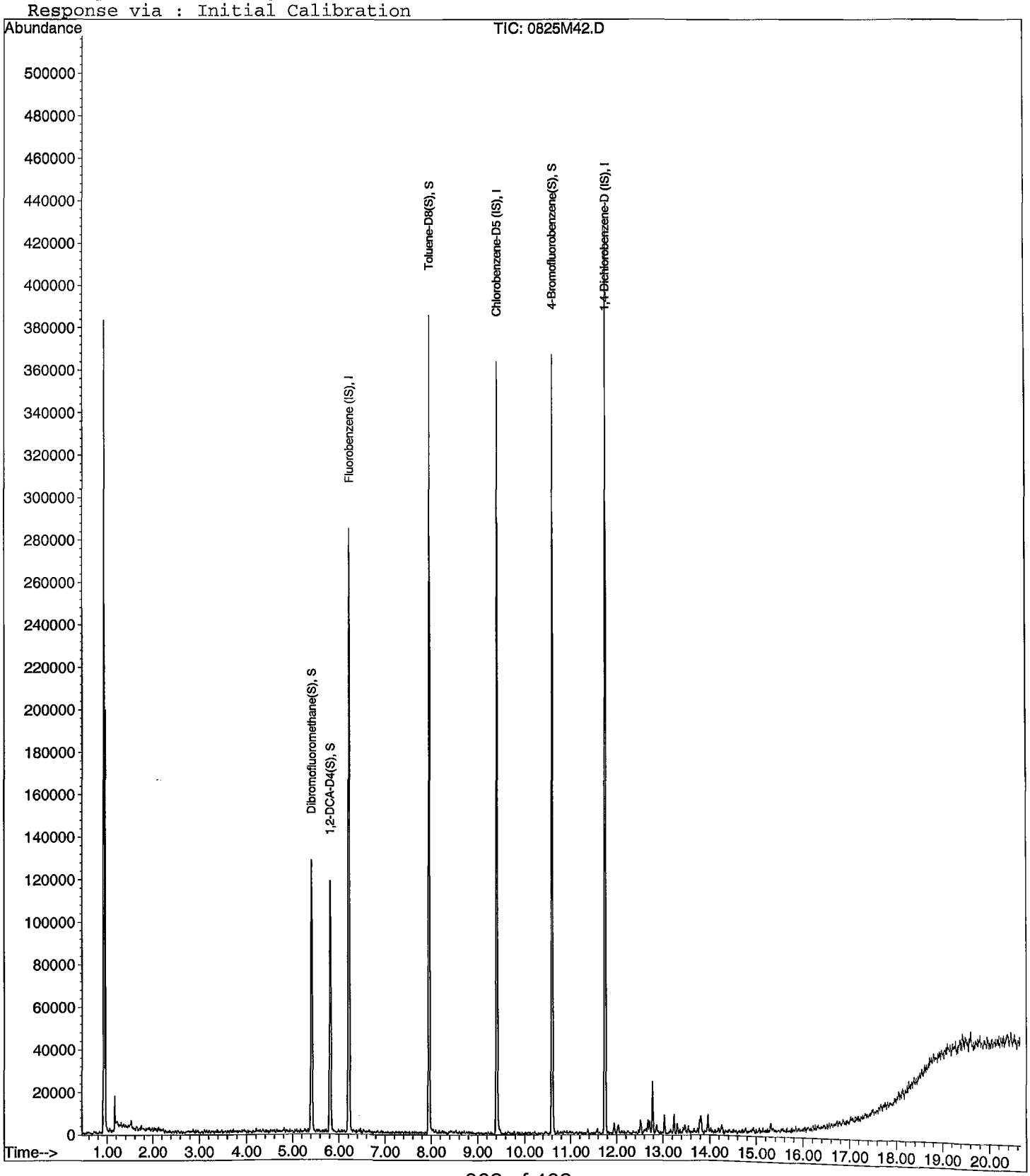
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M42.D Vial: 32
Acq On : 26 Aug 21 5:14 Operator: LP,DG,CH
Sample : BA37730W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:01 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M43.D
Acq On : 26 Aug 21 5:41
Sample : BA37732W01
Misc : IS&S 6/4/21
Vial: 33
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:03 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 243873 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 209248 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 123030 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 75574 | 25.70 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 102.784% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 47632 | 24.64 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.576% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 233368 | 23.78 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 95.132% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 92255 | 24.10 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 96.392% | | | |

Target Compounds Qvalue

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

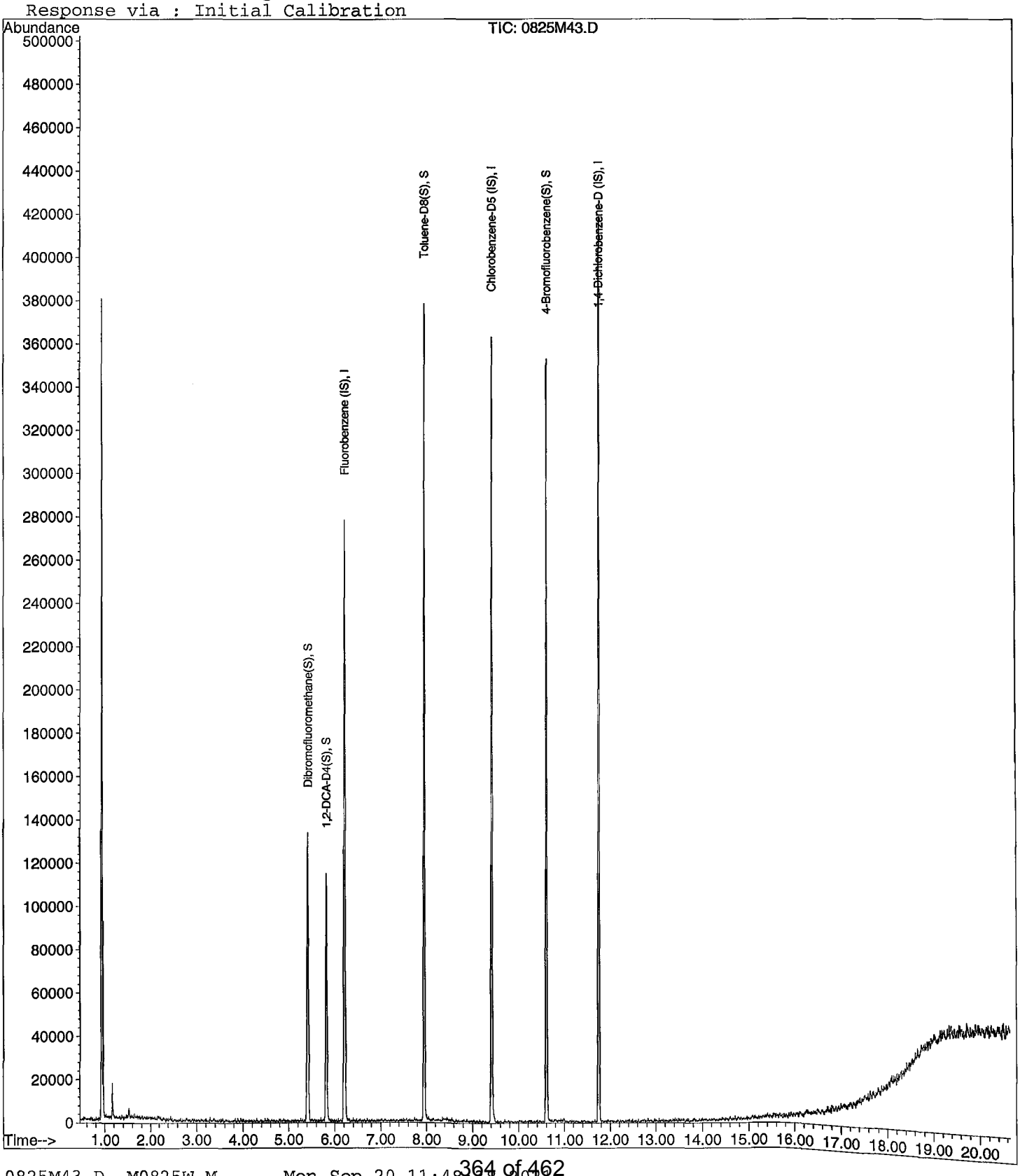
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M43.D
Acq On : 26 Aug 21 5:41
Sample : BA37732W01
Misc : IS&S 6/4/21

Vial: 33
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:03 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M44.D Vial: 34
Acq On : 26 Aug 21 6:09 Operator: LP,DG,CH
Sample : BA37733W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:05 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 241825 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 200984 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129260 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 73901 | 25.34 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.360% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 48720 | 25.42 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.684% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 232086 | 24.62 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.500% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 94218 | 25.62 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 102.492% | | | |

Target Compounds Qvalue

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

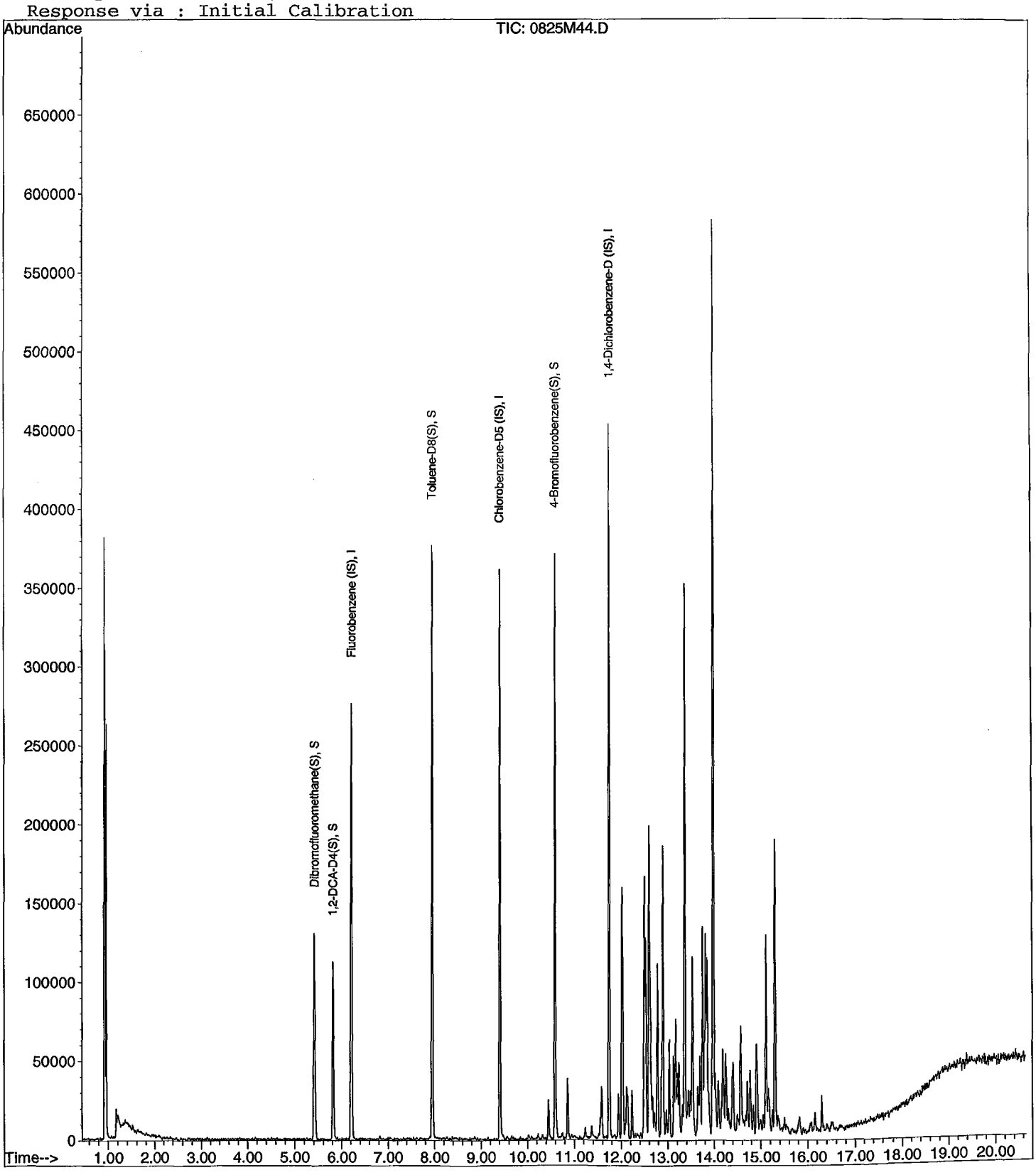
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M44.D
Acq On : 26 Aug 21 6:09
Sample : BA37733W01
Misc : IS&S 6/4/21

Vial: 34
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:05 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M45.D Vial: 35
Acq On : 26 Aug 21 6:37 Operator: LP,DG,CH
Sample : BA37735W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:06 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 247805 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 207647 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129069 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 74974 | 25.09 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 100.348% | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 49808 | 25.36 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 101.444% | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 240426 | 24.69 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.764% | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96479 | 25.40 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 101.584% | | |

Target Compounds Qvalue

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

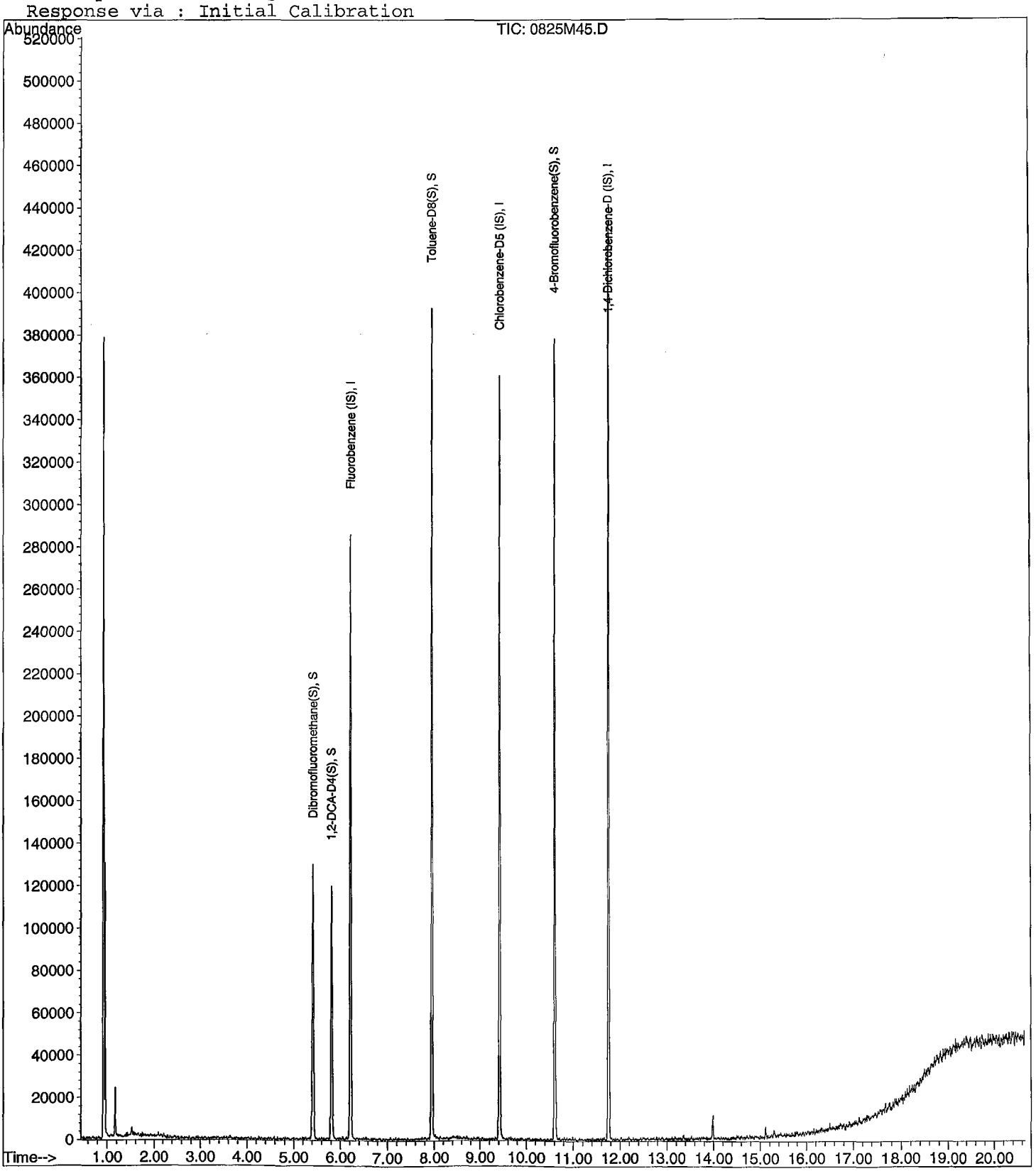
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M45.D
Acq On : 26 Aug 21 6:37
Sample : BA37735W01
Misc : IS&S 6/4/21

Vial: 35
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:06 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M46.D Vial: 36
Acq On : 26 Aug 21 7:05 Operator: LP,DG,CH
Sample : BA37736W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:16 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 239517 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 202686 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.74 | 152 | 128165 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 73950 | 25.60 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 102.404% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 47048 | 24.78 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.140% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 231911 | 24.40 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.600% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.59 | 95 | 91105 | 24.57 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.272% | | | |

Target Compounds Qvalue

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

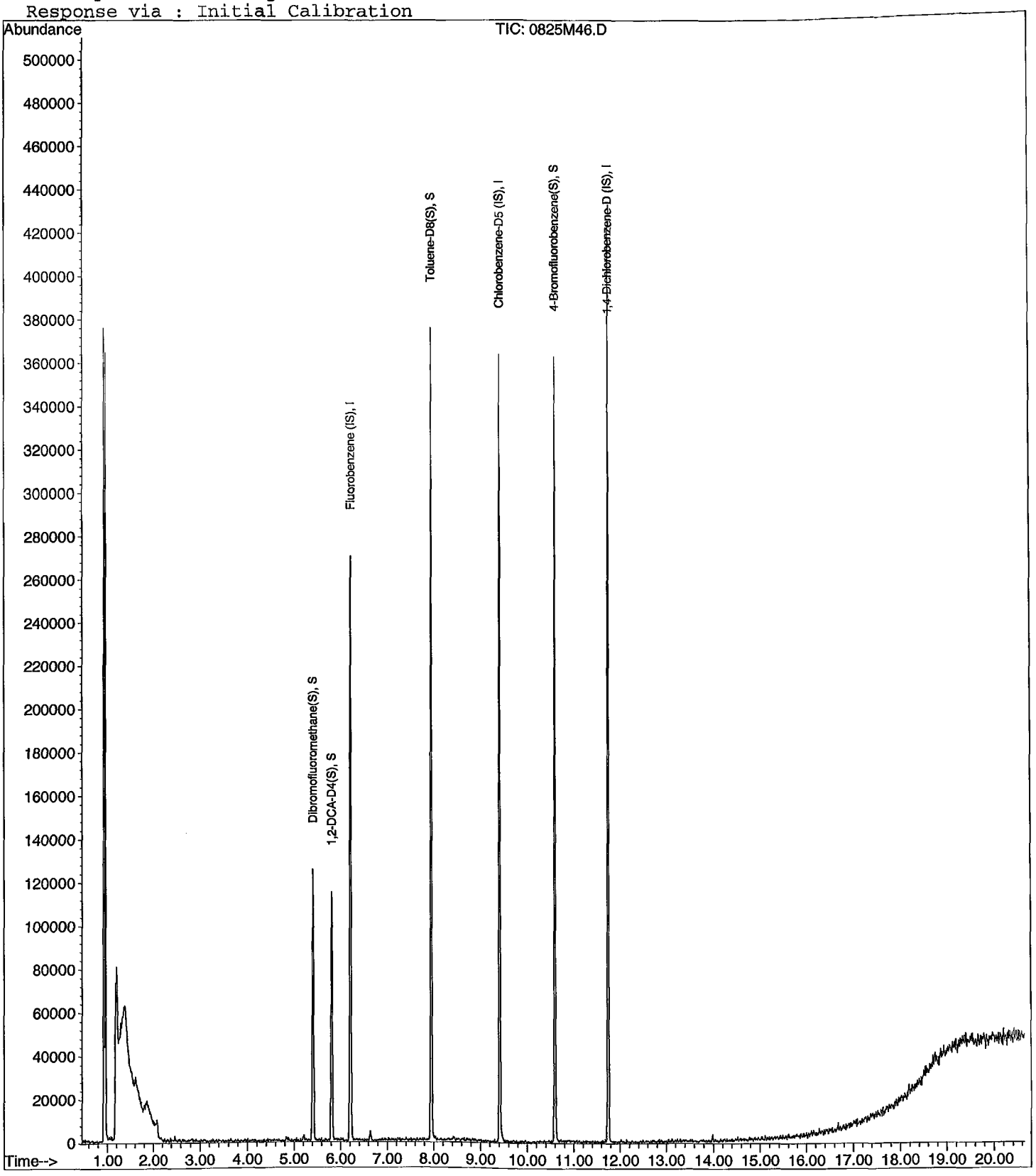
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M46.D
Acq On : 26 Aug 21 7:05
Sample : BA37736W01
Misc : IS&S 6/4/21

Vial: 36
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:16 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M47.D Vial: 37
Acq On : 26 Aug 21 7:33 Operator: LP,DG,CH
Sample : BA37738W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:18 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 244069 | 25.00 ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.42 | 117 | 208164 | 25.00 ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129798 | 25.00 ppb | 0.00 |
| **System Monitoring Compounds** | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 78241 | 26.58 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 106.324% | |
| 46) 1,2-DCA-D4(S) | 5.82 | 65 | 47888 | 24.76 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 99.028% | |
| 66) Toluene-D8(S) | 7.95 | 98 | 235985 | 24.17 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 96.700% | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 93752 | 24.62 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.468% | |

Target Compounds Qvalue

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

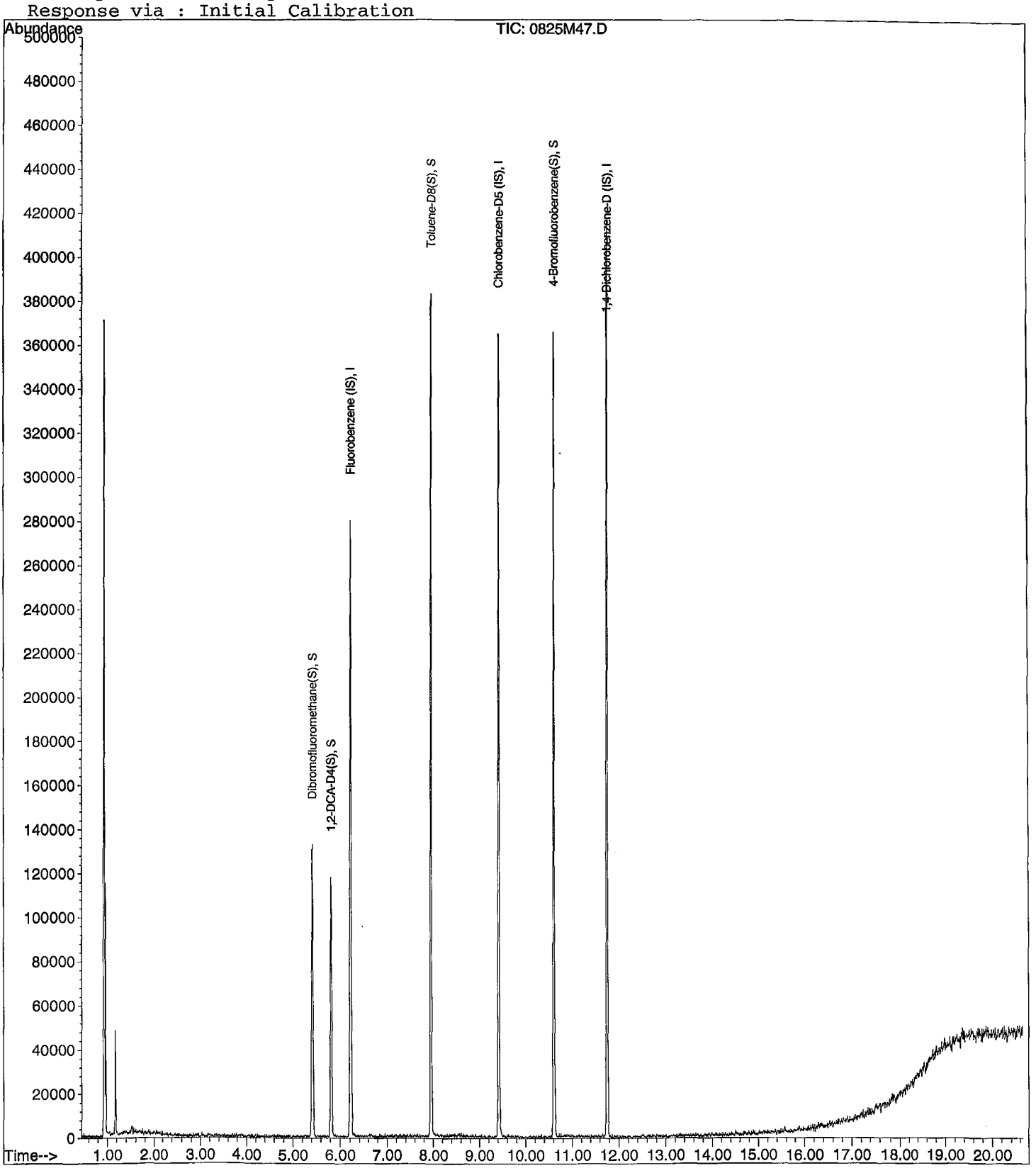
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M47.D
Acq On : 26 Aug 21 7:33
Sample : BA37738W01
Misc : IS&S 6/4/21

Vial: 37
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:18 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M48.D Vial: 38
Acq On : 26 Aug 21 8:01 Operator: LP,DG,CH
Sample : BA37739W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 26 15:19 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 253766 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 214560 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137163 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.41 | 111 | 74394 | 24.31 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.236% | | | |
| 46) 1,2-DCA-D4(S) | 5.82 | 65 | 49224 | 24.48 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.900% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 241080 | 23.96 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 95.844% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 99248 | 25.28 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.132% | | | |

Target Compounds Qvalue

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

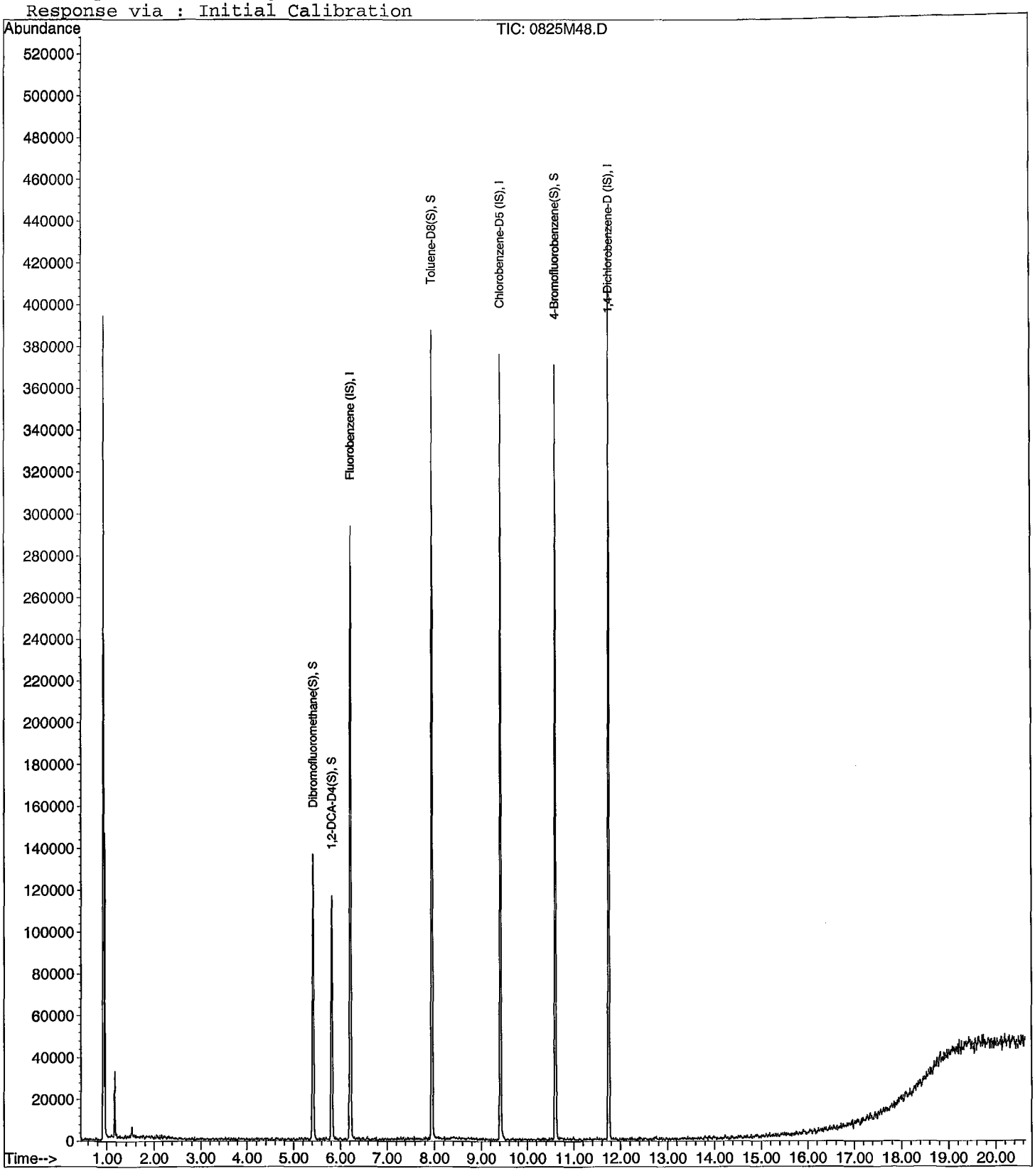
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M48.D
Acq On : 26 Aug 21 8:01
Sample : BA37739W01
Misc : IS&S 6/4/21

Vial: 38
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 15:19 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M36.D
Acq On : 26 Aug 21 2:26
Sample : 210825A BLK
Misc : IS&S 6/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 11:52 2021 Quant Results File: M0825W.RES

Quant Method : M:\MAX\DATA\210825\M0825W.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 | 251932 | 25.00 | ppb | 0.00 |
| 65) Chlorobenzene-D5 (IS) | 9.41 | 117 | 211434 | 25.00 | ppb | 0.00 |
| 80) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 132347 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 41) Dibromofluoromethane(S) | 5.42 | 111 | 79259 | 26.09 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 104.348% | | | |
| 46) 1,2-DCA-D4(S) | 5.81 | 65 | 49416 | 24.75 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.000% | | | |
| 66) Toluene-D8(S) | 7.95 | 98 | 245939 | 24.80 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.220% | | | |
| 74) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96331 | 24.90 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.612% | | | |

Target Compounds Qvalue

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

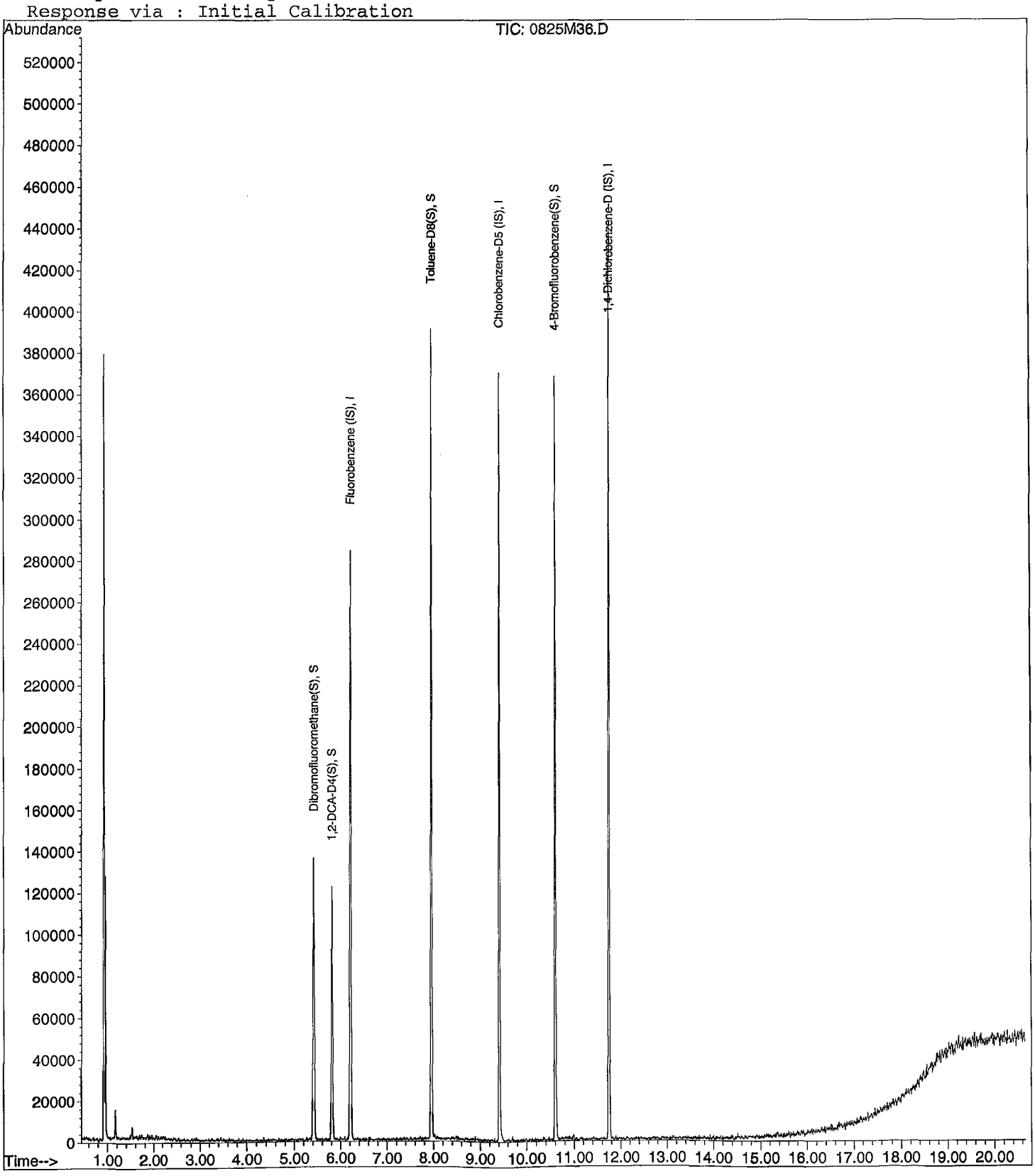
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M36.D
Acq On : 26 Aug 21 2:26
Sample : 210825A BLK
Misc : IS&S 6/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 26 11:52 2021 Quant Results File: M0825W.RES

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Fri Aug 27 12:39:17 2021
Response via : Initial Calibration

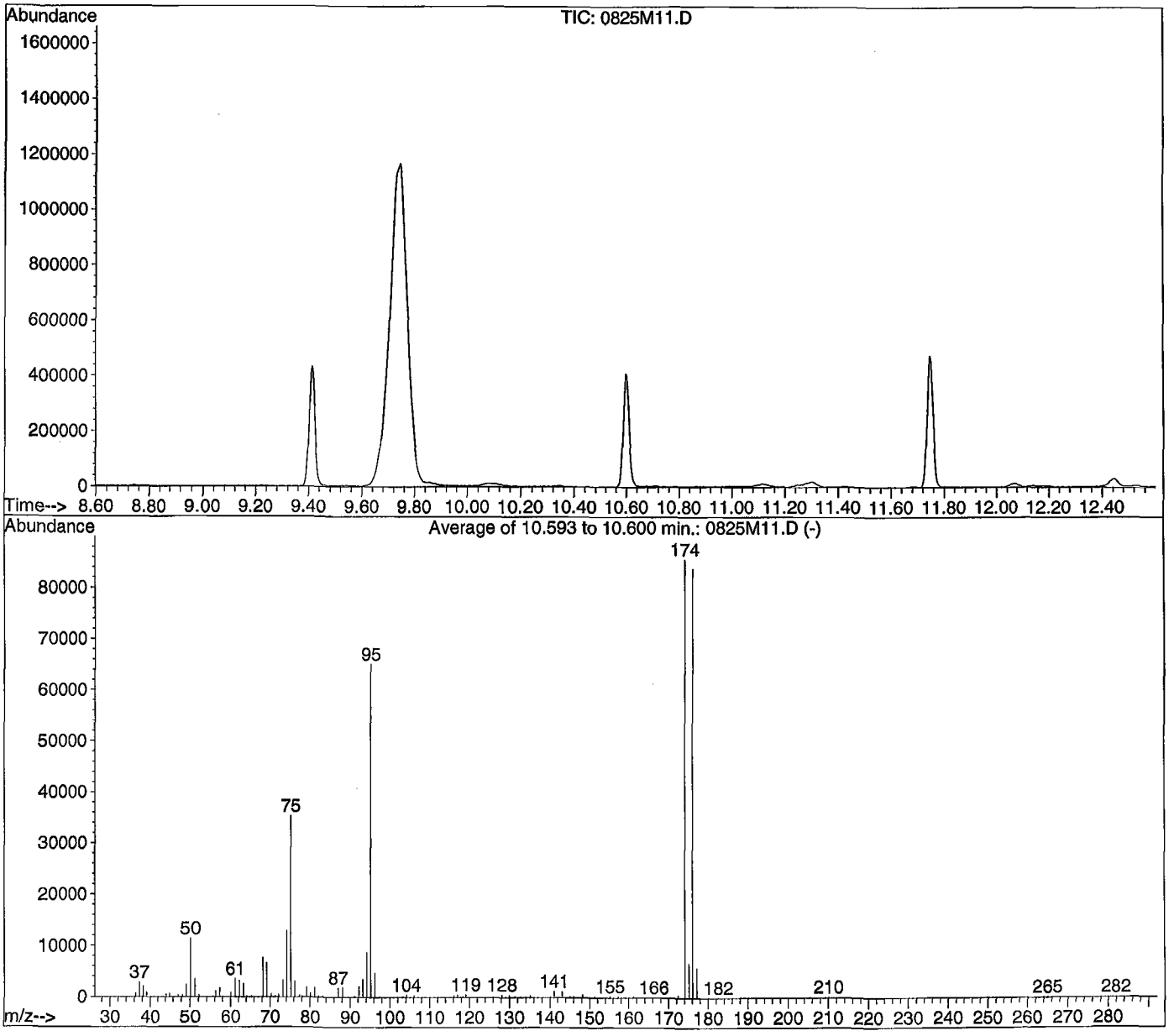


BFB

Data File : M:\MAX\DATA\210825\0825M11.D
Acq On : 25 Aug 21 14:47
Sample : 25ug/L BFB STD 7/13/21
Misc : IS&S 6/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B



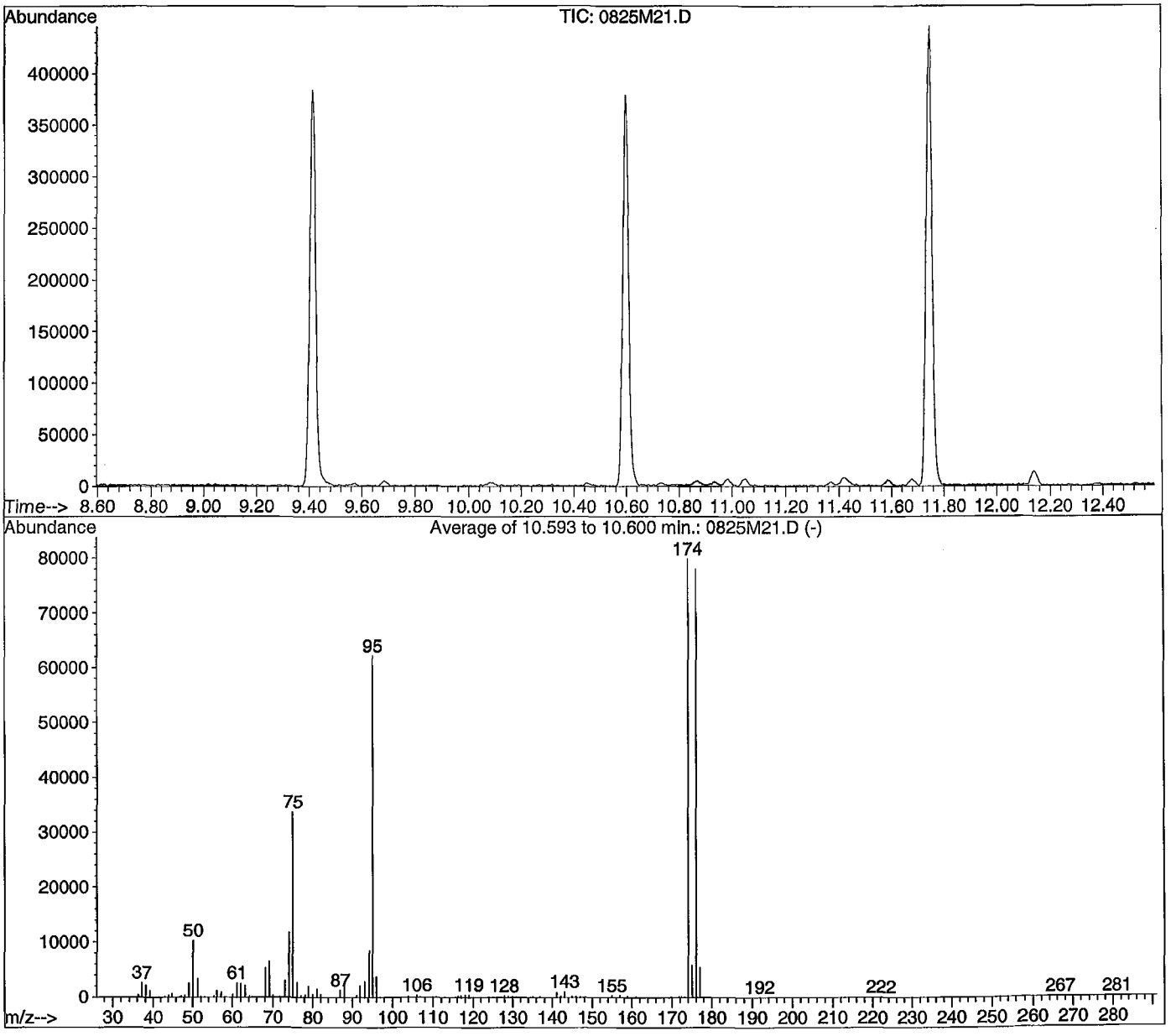

Spectrum Information: Average of 10.593 to 10.600 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 17.5 | 11390 | PASS |
| 75 | 95 | 30 | 60 | 54.3 | 35301 | PASS |
| 95 | 95 | 100 | 200 | 100.0 | 65035 | PASS |
| 96 | 95 | 5 | 9 | 7.2 | 4696 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 131.6 | 85605 | PASS |
| 175 | 174 | 5 | 9 | 7.7 | 6609 | PASS |
| 176 | 174 | 95 | 101 | 97.9 | 83795 | PASS |
| 177 | 176 | 5 | 9 | 6.8 | 5701 | PASS |

Data File : M:\MAX\DATA\210825\0825M21.D
Acq On : 25 Aug 21 19:27
Sample : 25ug/L BFB STD 7/13/21
Misc : IS&S 6/4/21

Vial: 11
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210825\M0825SUR.M (RTE Integrator)
Title : METHOD 8260B



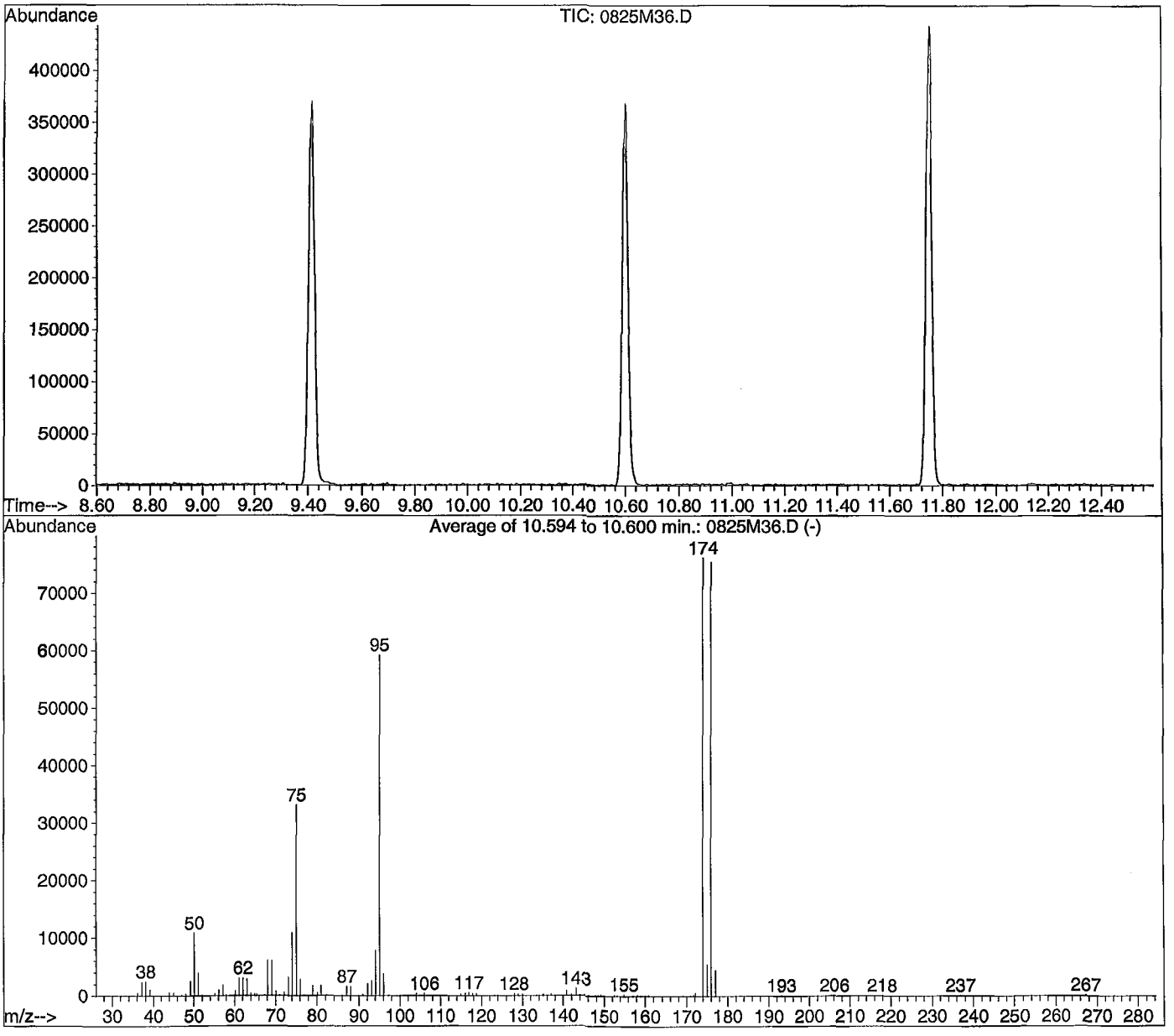

Spectrum Information: Average of 10.593 to 10.600 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 16.5 | 10253 | PASS |
| 75 | 95 | 30 | 60 | 54.3 | 33752 | PASS |
| 95 | 95 | 100 | 200 | 100.0 | 62104 | PASS |
| 96 | 95 | 5 | 9 | 6.2 | 3844 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 128.5 | 79779 | PASS |
| 175 | 174 | 5 | 9 | 7.4 | 5873 | PASS |
| 176 | 174 | 95 | 101 | 97.6 | 77891 | PASS |
| 177 | 176 | 5 | 9 | 7.0 | 5442 | PASS |

Data File : M:\MAX\DATA\210825\0825M36.D
Acq On : 26 Aug 21 2:26
Sample : 210825A BLK
Misc : IS&S 6/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210825\M0825W.M (RTE Integrator)
Title : METHOD 8260B




Spectrum Information: Average of 10.594 to 10.600 min.

| Target Mass | Rel. to Mass | Lower Limit% | Upper Limit% | Rel. Abn% | Raw Abn | Result Pass/Fail |
|---|---|---|---|---|---|---|
| 50 | 95 | 15 | 40 | 18.3 | 10850 | PASS |
| 75 | 95 | 30 | 60 | 55.8 | 33064 | PASS |
| 95 | 95 | 100 | 200 | 100.0 | 59253 | PASS |
| 96 | 95 | 5 | 9 | 6.3 | 3739 | PASS |
| 173 | 174 | 0.00 | 2 | 0.0 | 0 | PASS |
| 174 | 95 | 50 | 200 | 128.5 | 76115 | PASS |
| 175 | 174 | 5 | 9 | 7.1 | 5428 | PASS |
| 176 | 174 | 95 | 101 | 99.1 | 75403 | PASS |
| 177 | 176 | 5 | 9 | 6.0 | 4510 | PASS |

# MAX 8260 Standard Prep

## MAX 8260 Water Calibration Curve

***0.3ug/L***

**Prepared:** 8/25/2021

**Expires:** 9/8/2021

**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 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 |

# Injection Log

**Directory:** M:\MAX\DATA\210825

| Line | Vial | FileName | Multiplier | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 1 | 0825M11.D | 1 | 25ug/L BFB STD 7/13/21 | IS&S 6/4/21 | 08/25/2021 14:47 |
| 2 | 2 | 0825M12.D | 1 | 0.3ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 15:15 |
| 3 | 3 | 0825M13.D | 1 | 0.5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 15:43 |
| 4 | 4 | 0825M14.D | 1 | 1ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 16:11 |
| 5 | 5 | 0825M15.D | 1 | 2ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 16:39 |
| 6 | 6 | 0825M16.D | 1 | 5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 17:07 |
| 7 | 7 | 0825M17.D | 1 | 10ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 17:35 |
| 8 | 8 | 0825M18.D | 1 | 20ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:03 |
| 9 | 9 | 0825M19.D | 1 | 40ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:31 |
| 10 | 10 | 0825M20.D | 1 | 100ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:59 |
| 11 | 12 | 0825M22.D | 1 | (SS) 10ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 19:55 |
| 12 | 2 | 0827M03.D | 1 | 210827A CCV 10ug/L | IS&S 6/4/21 | 08/27/2021 09:56 |
| 13 | 3 | 0827M04.D | 1 | 210827A LCS 10ug/L | IS&S 6/4/21 | 08/27/2021 10:24 |
| 14 | 4 | 0827M05.D | 1 | 210827A LCSD 10ug/L | IS&S 6/4/21 | 08/27/2021 10:52 |
| 15 | 10 | 0827M11.D | 1 | 210827A BLK | IS&S 6/4/21 | 08/27/2021 13:42 |
| 16 | 14 | 0827M15.D | 1 | BA38280W01 | IS&S 6/4/21 | 08/27/2021 15:42 |
| 17 | 15 | 0827M16.D | 1 | BA38281W01 | IS&S 6/4/21 | 08/27/2021 16:10 |
| 18 | 16 | 0827M17.D | 1 | BA38282W01 | IS&S 6/4/21 | 08/27/2021 16:37 |
| 19 | 17 | 0827M18.D | 1 | BA38283W01 | IS&S 6/4/21 | 08/27/2021 17:05 |
| 20 | 18 | 0827M19.D | 1 | BA38284W01 | IS&S 6/4/21 | 08/27/2021 17:33 |
| 21 | 19 | 0827M20.D | 1 | BA38285W01 | IS&S 6/4/21 | 08/27/2021 18:01 |
| 22 | 20 | 0827M21.D | 1 | BA38286W01 | IS&S 6/4/21 | 08/27/2021 18:29 |
| 23 | 21 | 0827M22.D | 1 | BA38287W01 | IS&S 6/4/21 | 08/27/2021 18:57 |
| 24 | 32 | 0827M33.D | 1 | Ending CCV 10ug/L 8/26/21 | IS&S 6/4/21 | 08/28/2021 00:04 |

# ORGANICS

## Calibration Data

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:

| | | Compound | 1 | 2 | 3 | 4 | 5 | 6 | 7 | | | | Avg | %RSD | Type | r^2 | Q | MRF |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 0825M23.D | 0825M24.D | 0825M25.D | 0825M26.D | 0825M27.D | 0825M28.D | 0825M29.D | | | | | | | | | |
| 1 | I | Fluorobenzene (IS) | | | | | | | | | | | | | | | | |
| 2 | TMHBL | Gasoline C6-C10 | 13.8 | 5.689 | 3.019 | 1.290 | 0.8206 | 0.7117 | 0.6349 | | | | 3.7 | 130 | TMHB | 0.999 | | |
| 3 | TMHB | Chlorobenzene-D5 (IS) | | | | | | | | | | | | | | | | |
| 4 | TMHB | 1,4-Dichlorobenzene (IS) | | | | | | | | | | | | | | | | |
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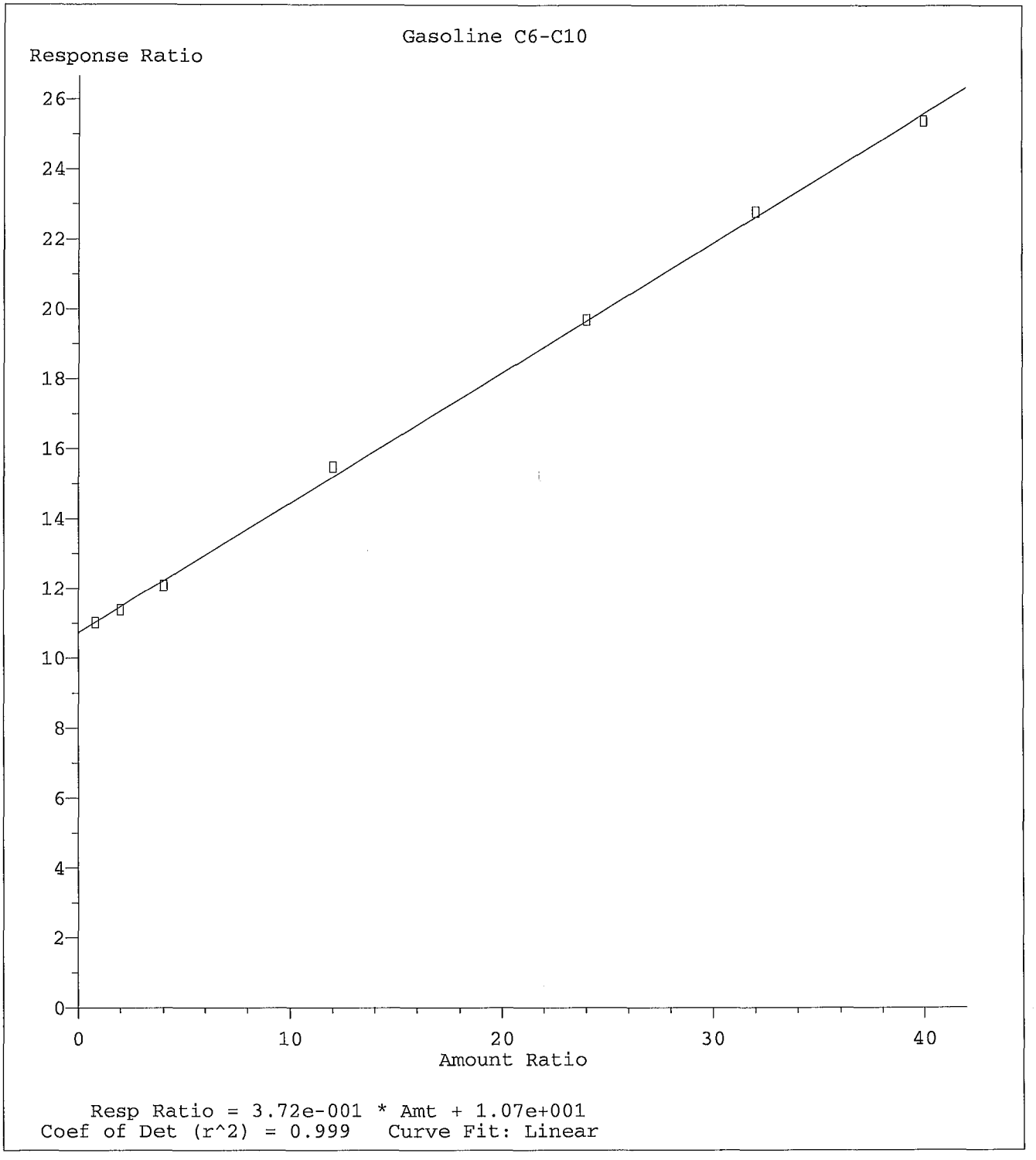
| 35 | | | | | | | | | | | | | | | | | | |




Method Name: M:\MAX\DATA\210825\MGAS0825.M
Calibration Table Last Updated: Thu Aug 26 16:19:36 2021

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

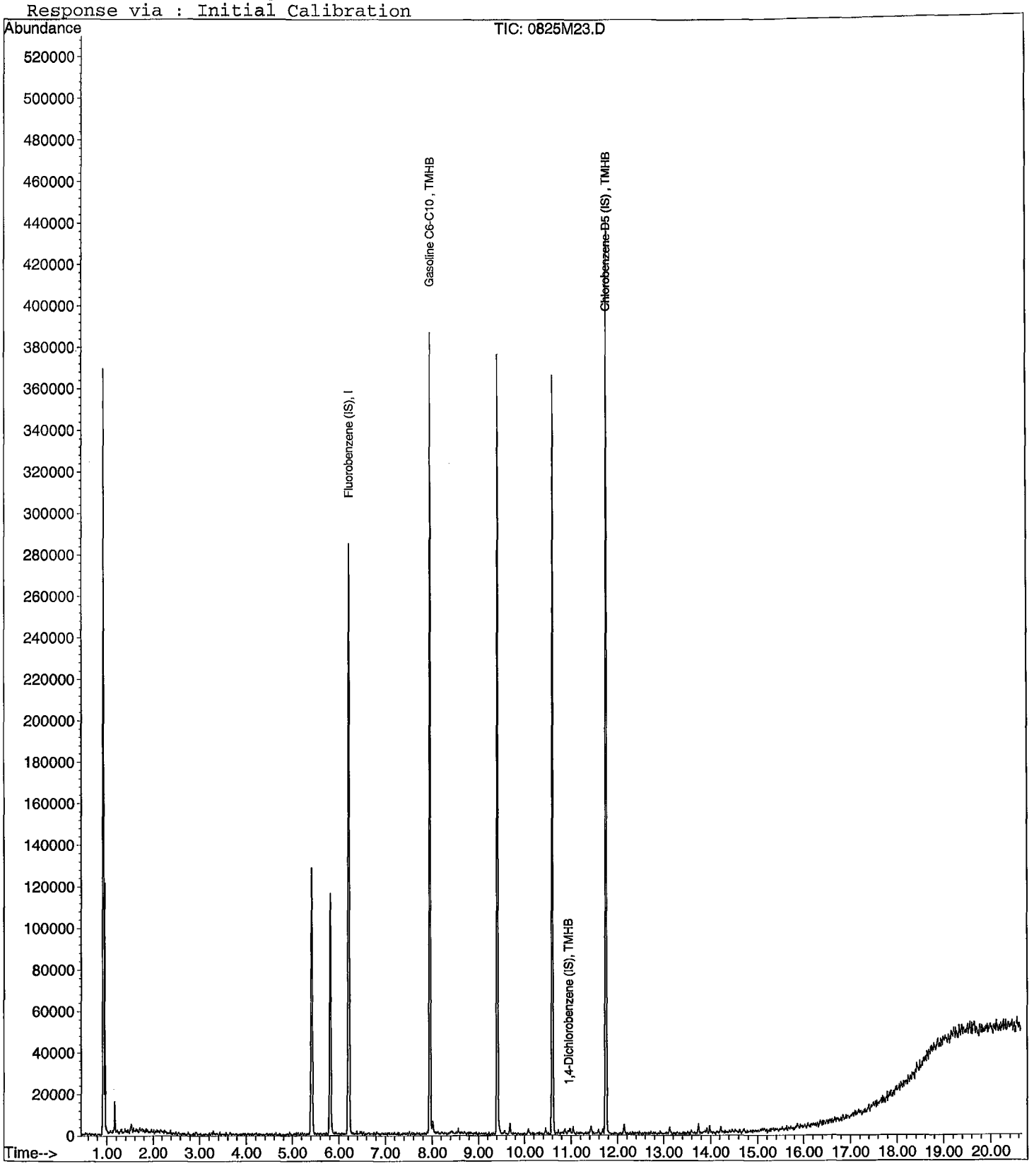
Quantitation Report

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 Vial: 14
Acq On : 25 Aug 21 20:51 Operator: LP,DG,CH
Sample : 50ug/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 | 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

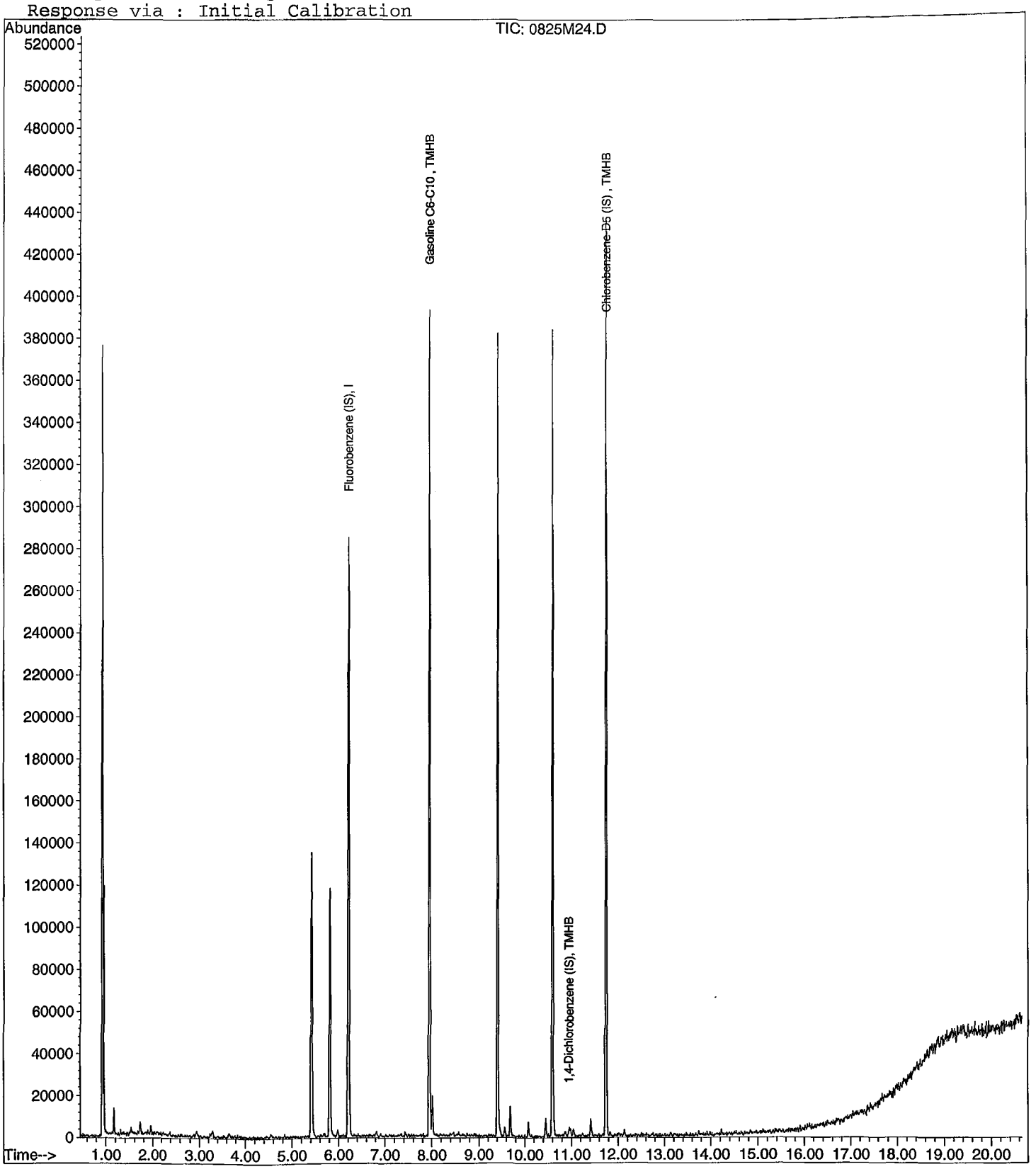
Quantitation Report

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

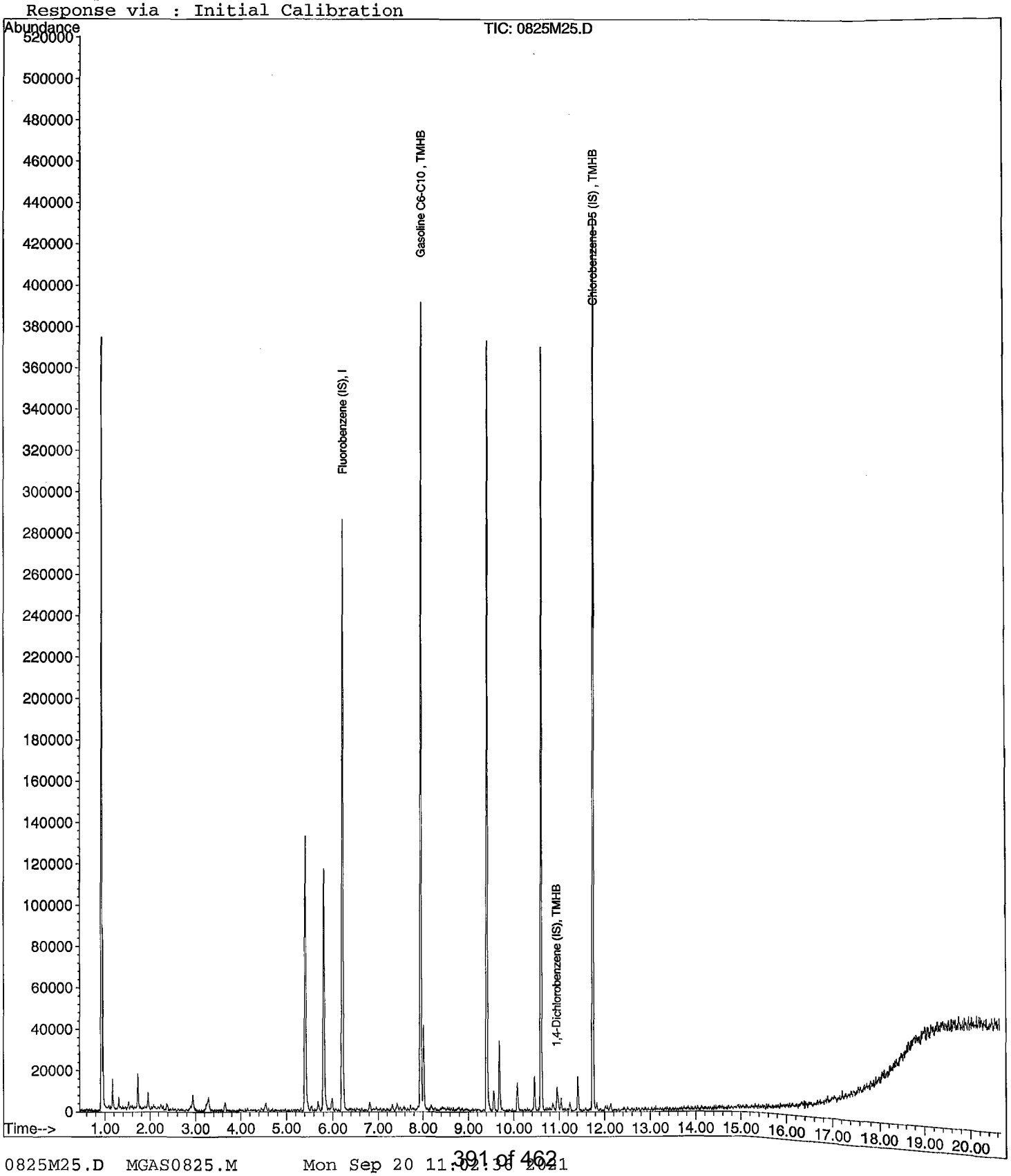
Quantitation Report

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 Vial: 16
Acq On : 25 Aug 21 21:47 Operator: LP,DG,CH
Sample : 300ug/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 | 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

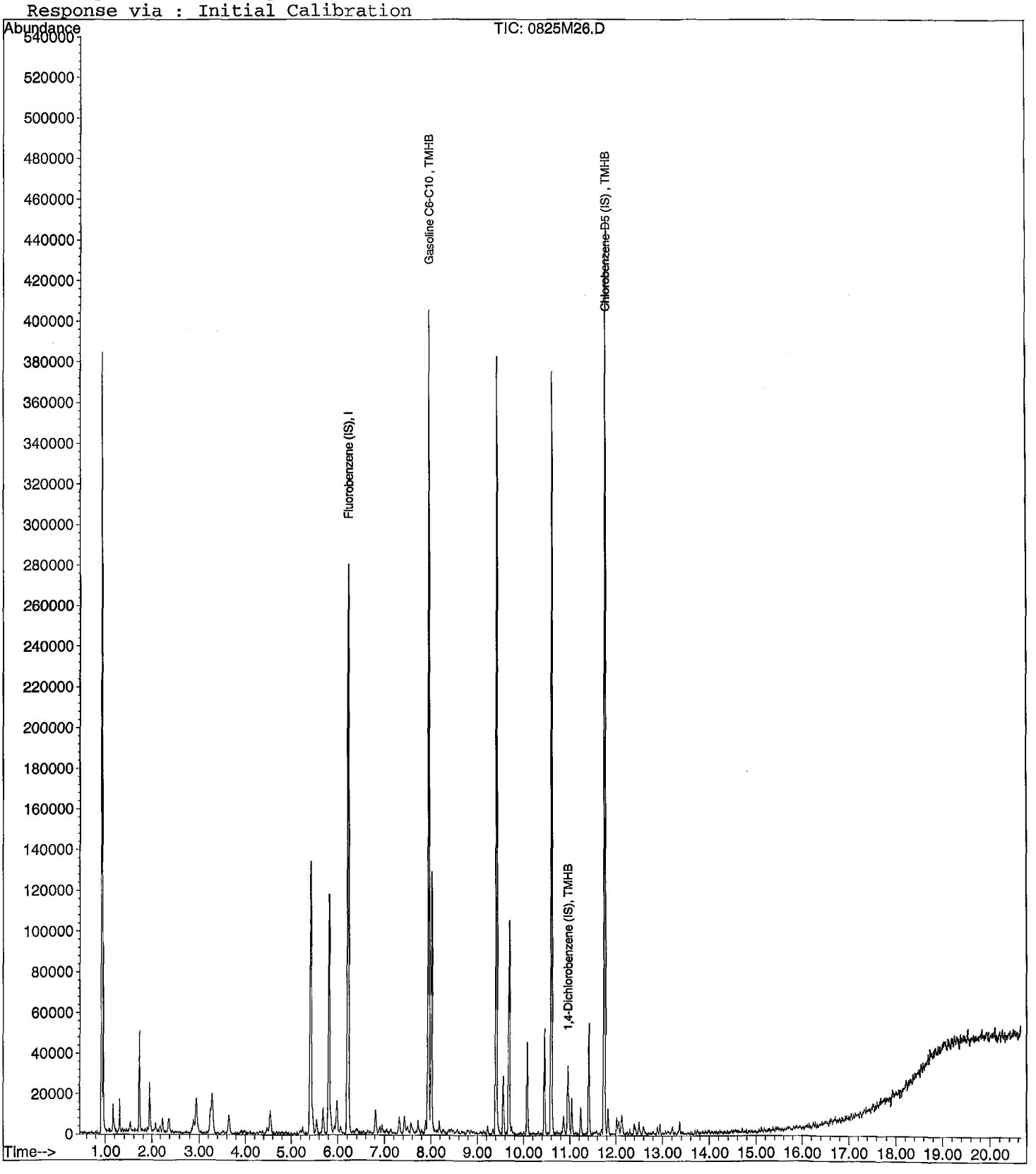
Quantitation Report

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 Vial: 17
Acq On : 25 Aug 21 22:14 Operator: LP,DG,CH
Sample : 600ug/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 | 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

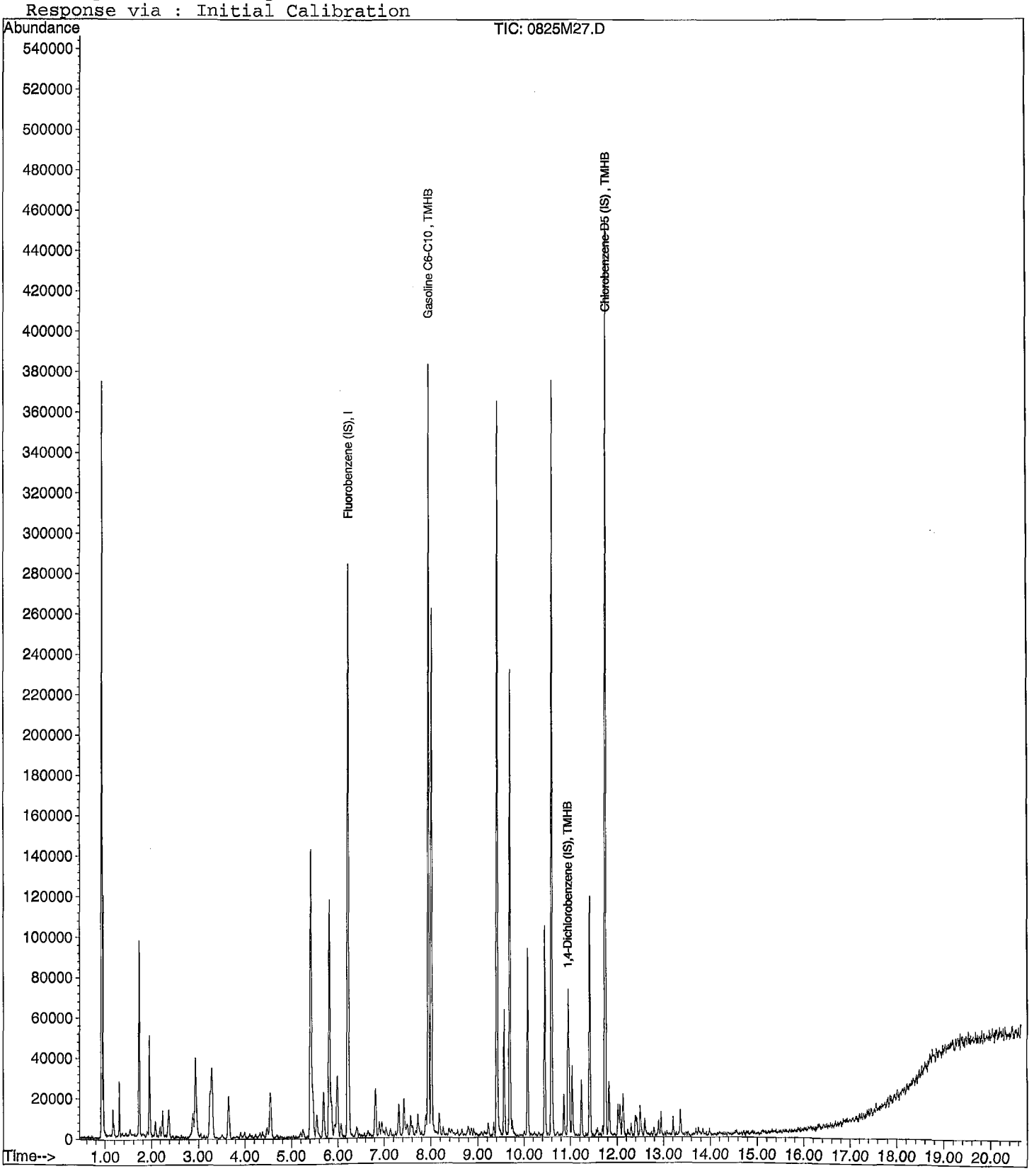
Quantitation Report

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

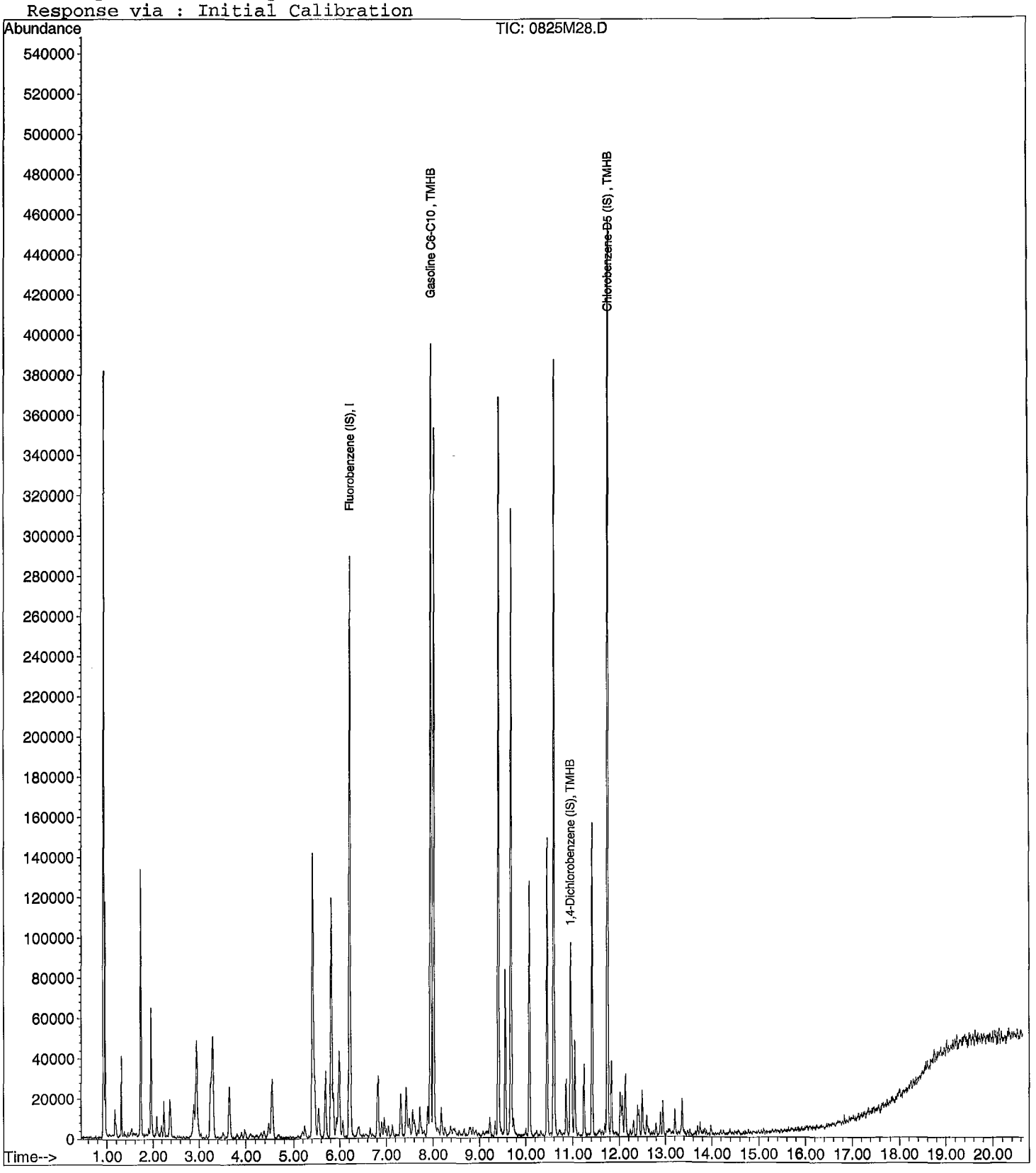
Quantitation Report

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
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

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

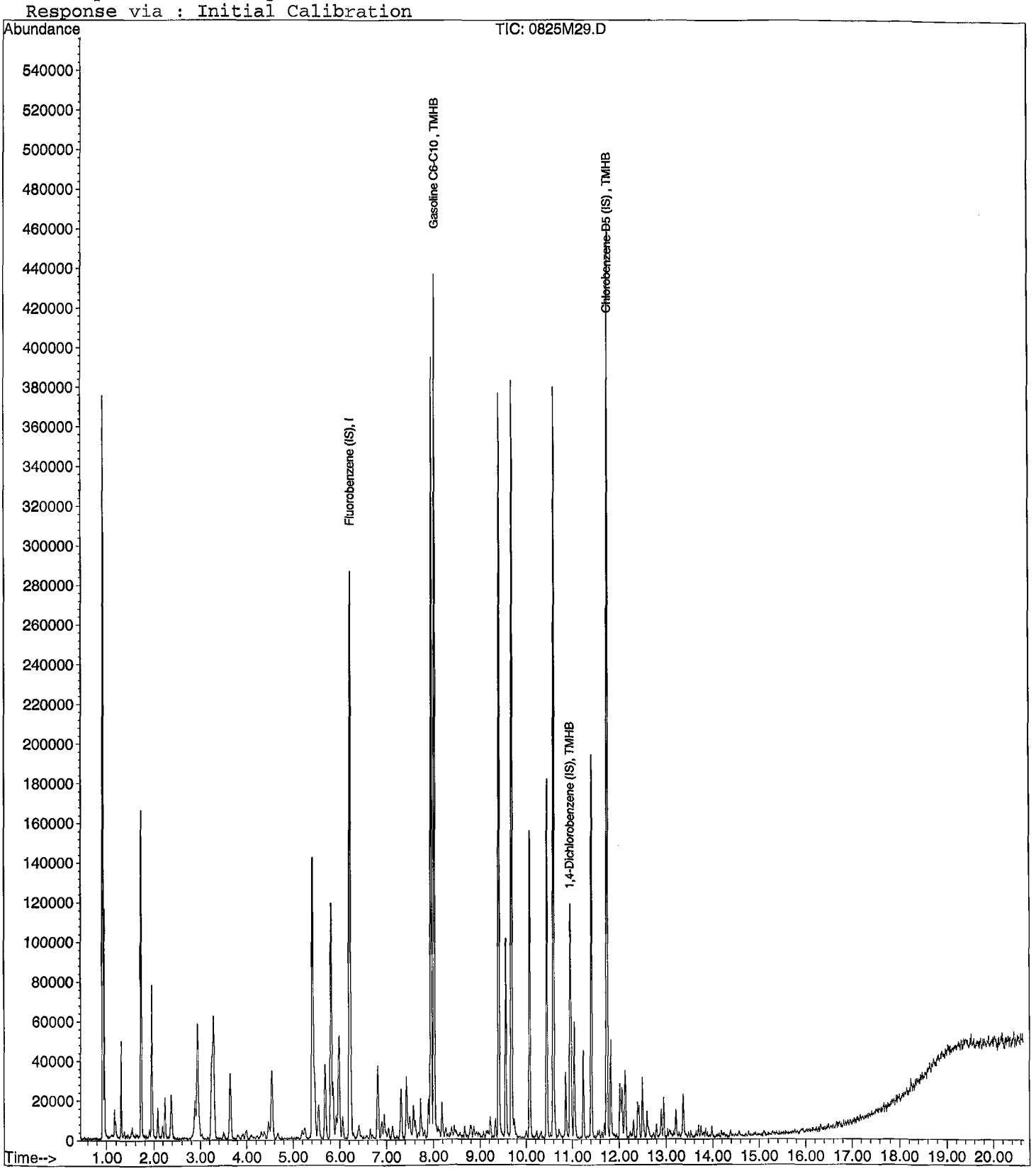
Quantitation Report

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 |
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| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 65.0 | | |

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M31.D Vial: 21
Acq On : 26 Aug 21 00:06 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 8/25/21 Inst : Max
Misc : IS&S 6/4/21 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

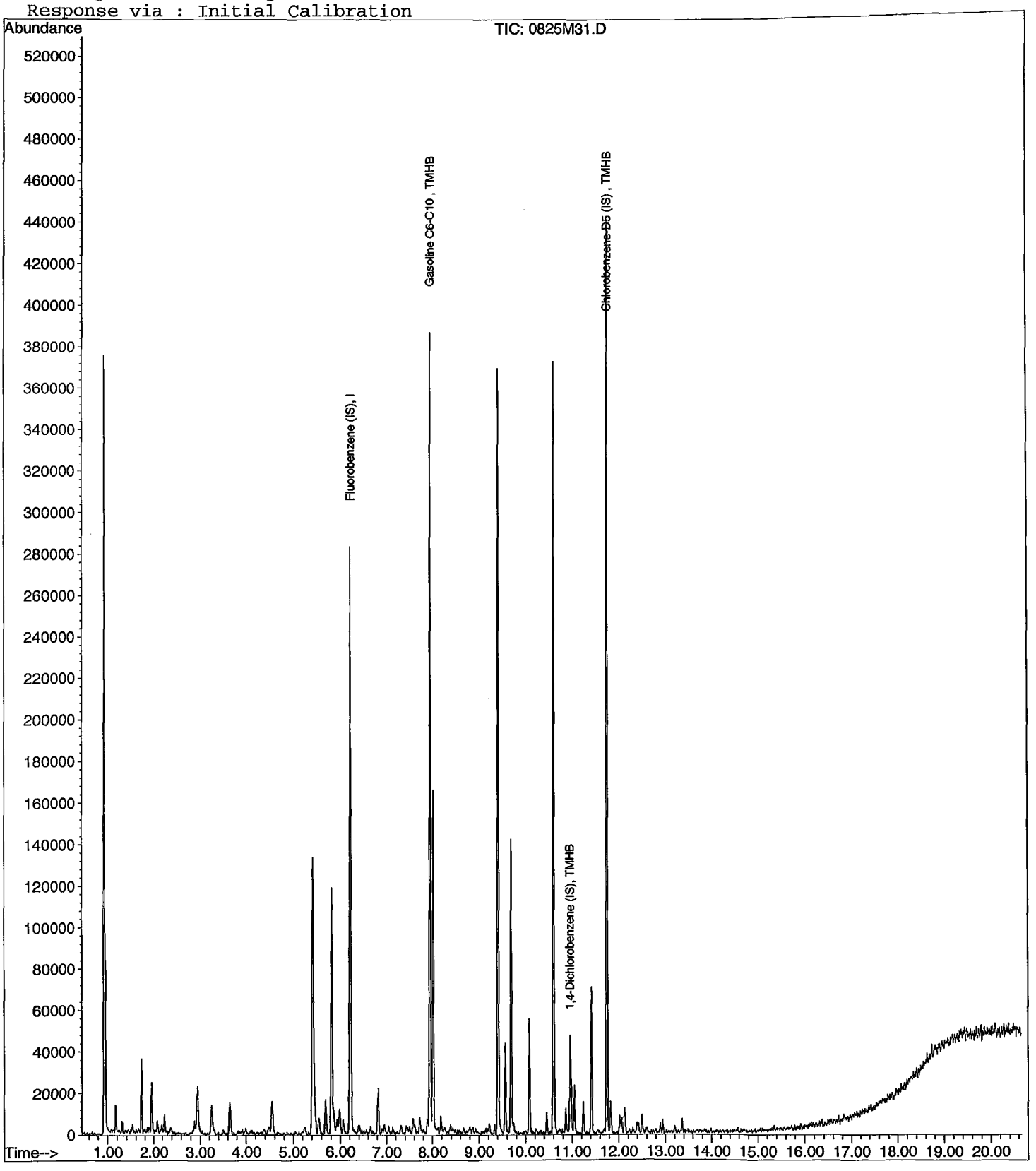
Quantitation Report

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:

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M34.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TMHB | Gasoline C6-C10 | 3.704 | 1.281 | 65 | TMHBL | 4.0 |
| 3 | TMHB | Chlorobenzene-D5 (IS) | ISTD | | | TMHB | |
| 4 | TMHB | 1,4-Dichlorobenzene (IS) | ISTD | | | TMHB | |
| 5 | | | | | | | |
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| 37 | | | | | | | |
| 38 | | | | | | | |
| 39 | | | | | | | |
| 40 | | | | | | | |
| | | Average | | | 65.0 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M34.D Vial: 24
Acq On : 26 Aug 21 1:30 Operator: LP,DG,CH
Sample : 210825A LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 251397 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 217548 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 130553 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 75009 | 24.74 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.964% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 50216 | 25.20 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 100.816% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 240195 | 23.54 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 94.180% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96864 | 24.34 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.348% | | | |

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M34.D Vial: 24
Acq On : 26 Aug 21 1:30 Operator: LP,DG,CH
Sample : 210825A LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:51 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 | 291291 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 260966m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 102774m | 25.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 4478437m | 312.14 | ppb | 100 |

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

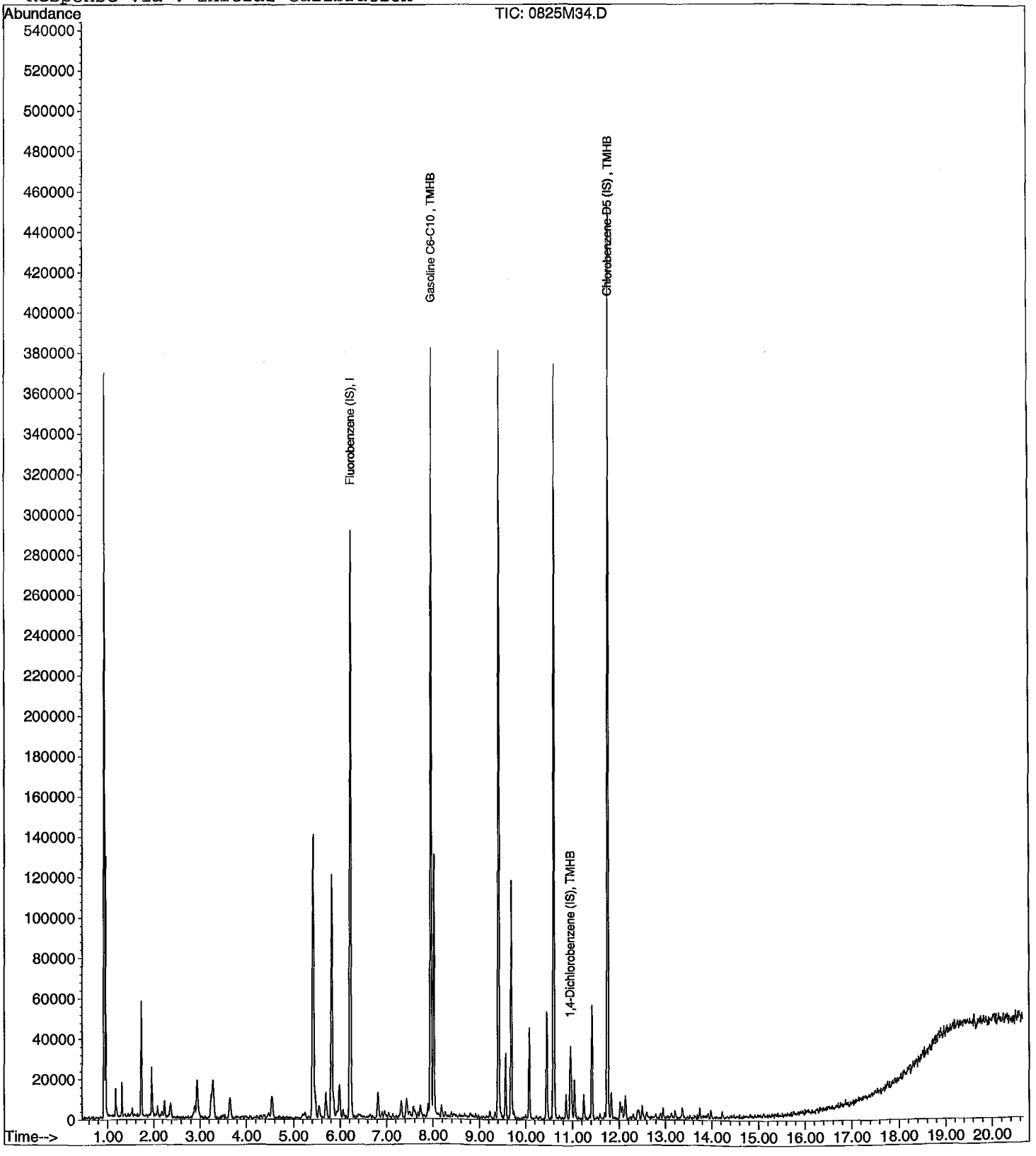
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M34.D
Acq On : 26 Aug 21 1:30
Sample : 210825A LCS 300ug/L
Misc : IS&S 6/4/21

Vial: 24
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:51 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:

SDG No:
Date Analyzed: 8/26/2021
Instrument: Max
Initial Cal. Date: 8/25/2021
Data File: 0825M56.D

| | | Compound | MEAN | CCRF | %D | %Drift | |
|---|---|---|---|---|---|---|---|
| 1 | I | Fluorobenzene (IS) | ISTD | | | I | |
| 2 | TMHB | Gasoline C6-C10 | 3.704 | 1.209 | 67 | TMHBL | 15 |
| 3 | TMHB | Chlorobenzene-D5 (IS) | ISTD | | | TMHB | |
| 4 | TMHB | 1,4-Dichlorobenzene (IS) | ISTD | | | TMHB | |
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| 40 | | | | | | | |
| | | Average | | | 67.0 | | |

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M56.D Vial: 46
Acq On : 26 Aug 21 11:45 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00000
MS Integration Params: LSCINT.P
Quant Time: Sep 20 11:01 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 | 241178 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 205228 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129980 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 75464 | 25.95 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 103.780% | | | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 50216 | 26.27 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 105.088% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 236644 | 24.59 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.356% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 93724 | 24.96 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.848% | | | |

| Target Compounds | Qvalue |
|---|---|

(#) = qualifier out of range (m) = manual integration
0825M56.D M0825SUR.M Mon Sep 20 11:01:02 2021

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M56.D Vial: 46
Acq On : 26 Aug 21 11:45 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:57 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 | 271597 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 258326m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 90906m | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 7.95 | TIC | 3939627m | 253.69 | ppb | 100 |

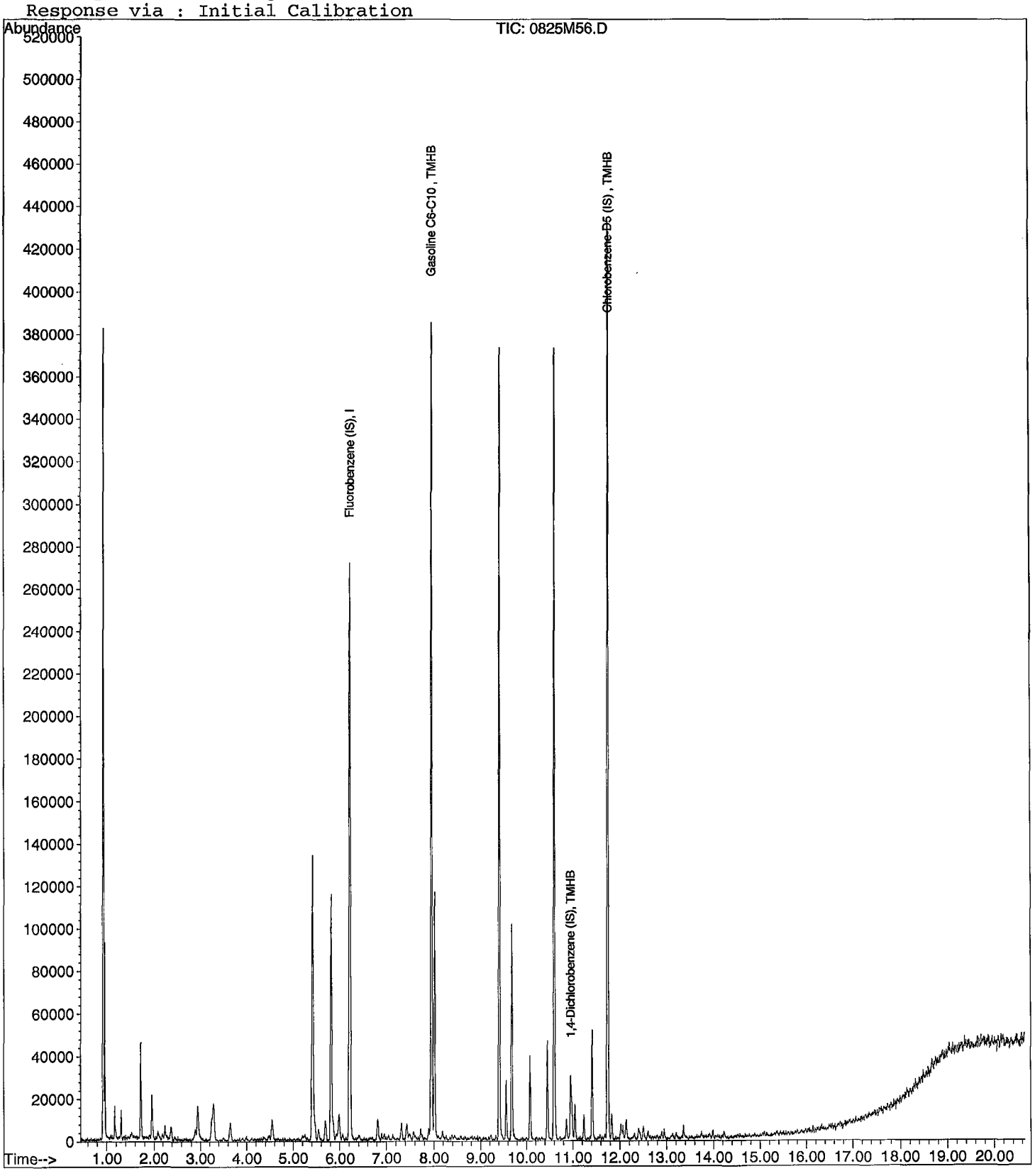
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M56.D Vial: 46
Acq On : 26 Aug 21 11:45 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 8/25/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:57 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 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) | | | | | | | | | | | | | | | | |
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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M12.D Vial: 2
Acq On : 25 Aug 21 15:15 Operator: LP,DG,CH
Sample : 0.3ug/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 | 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

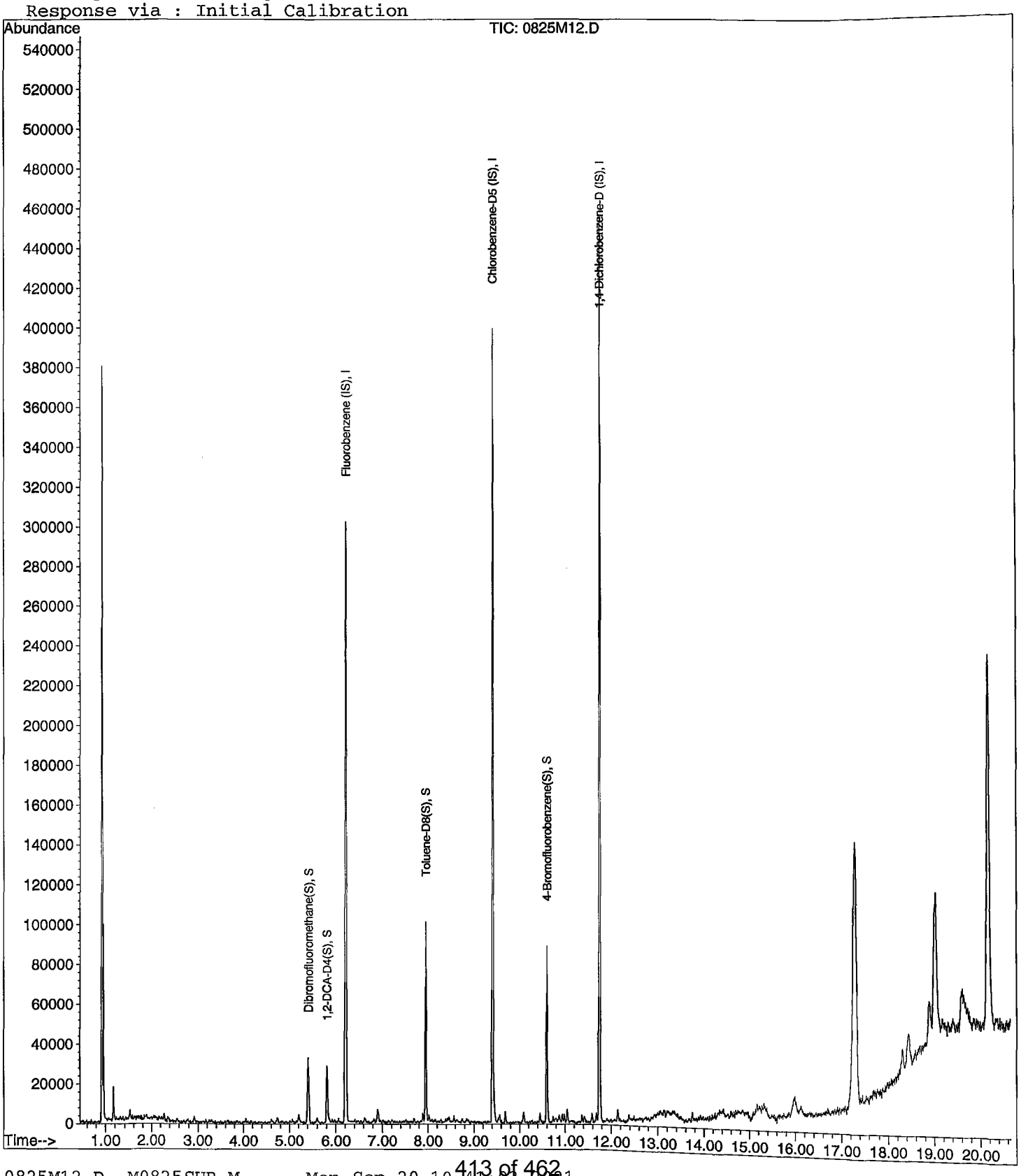
Quantitation Report

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

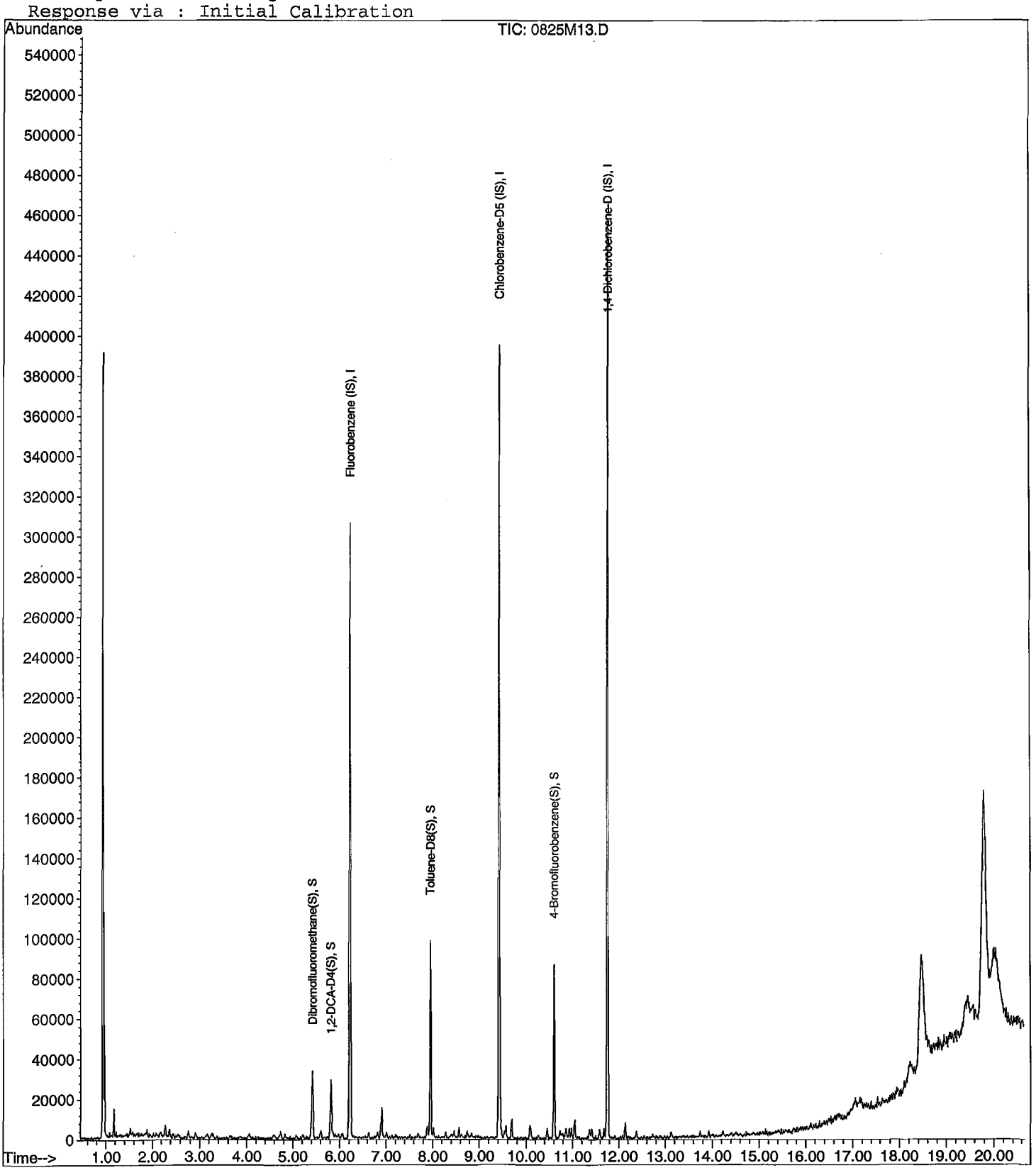
Quantitation Report

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

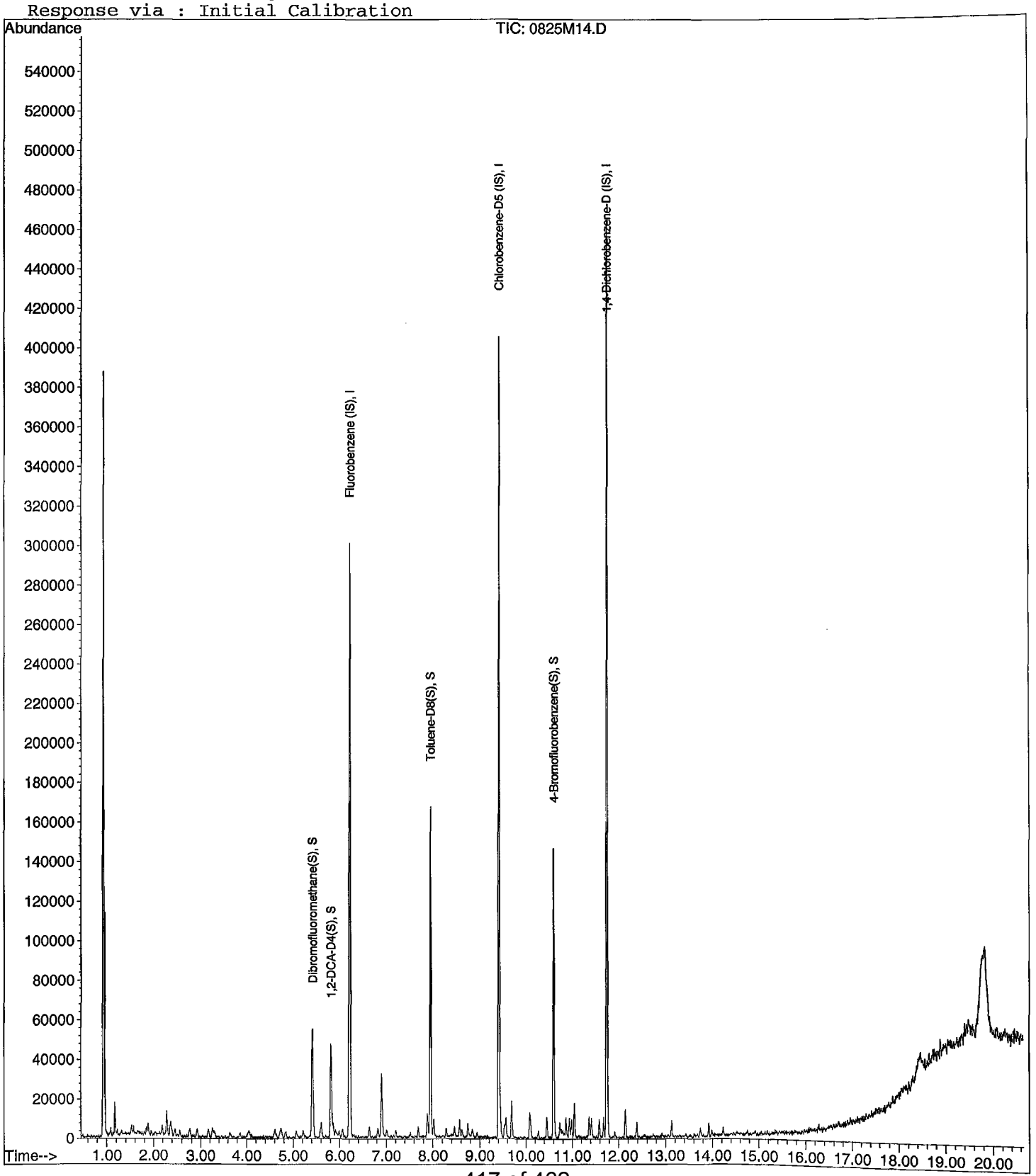
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M14.D 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

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

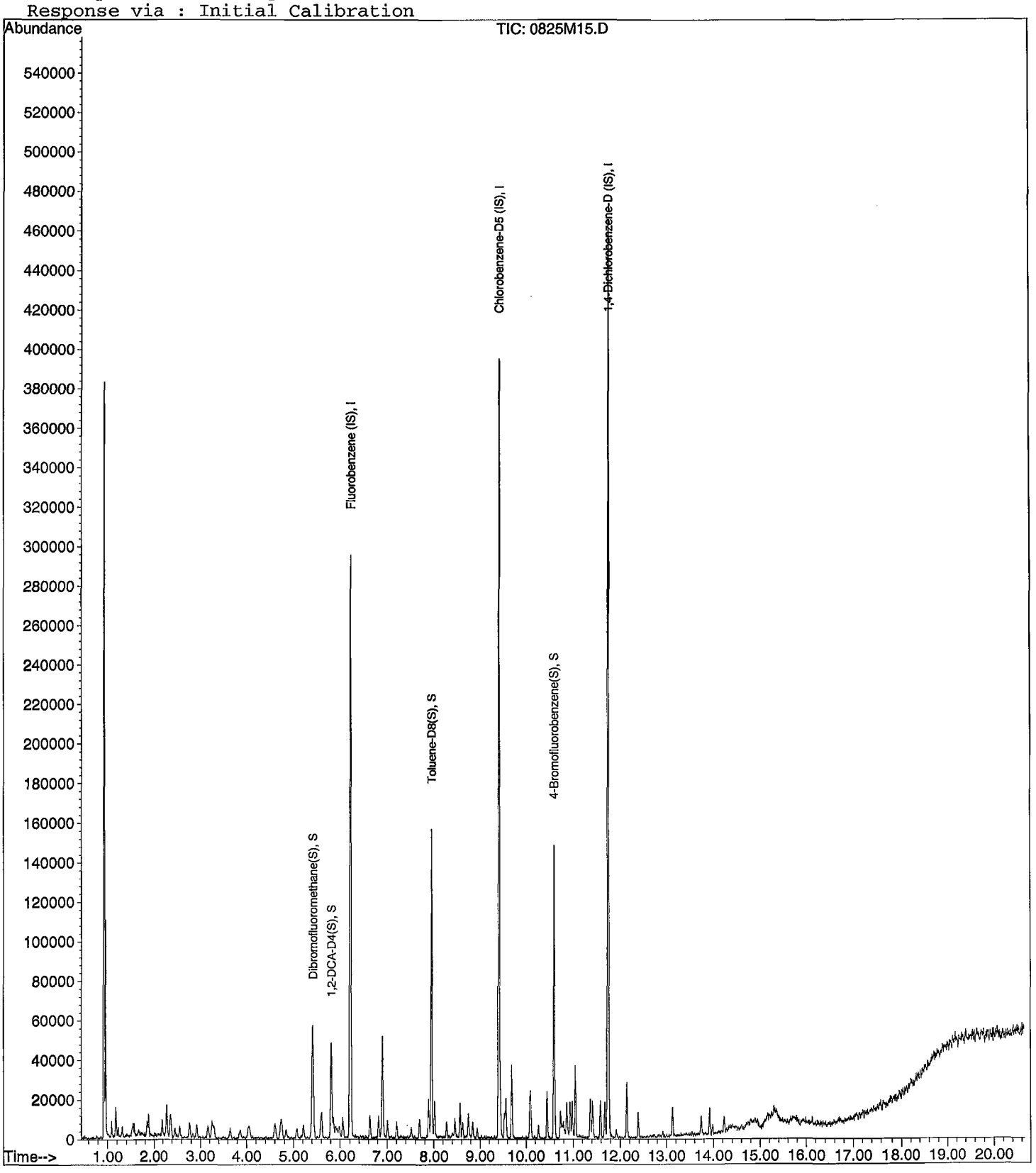
Quantitation Report

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 Vial: 6
Acq On : 25 Aug 21 17:07 Operator: LP,DG,CH
Sample : 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 | 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

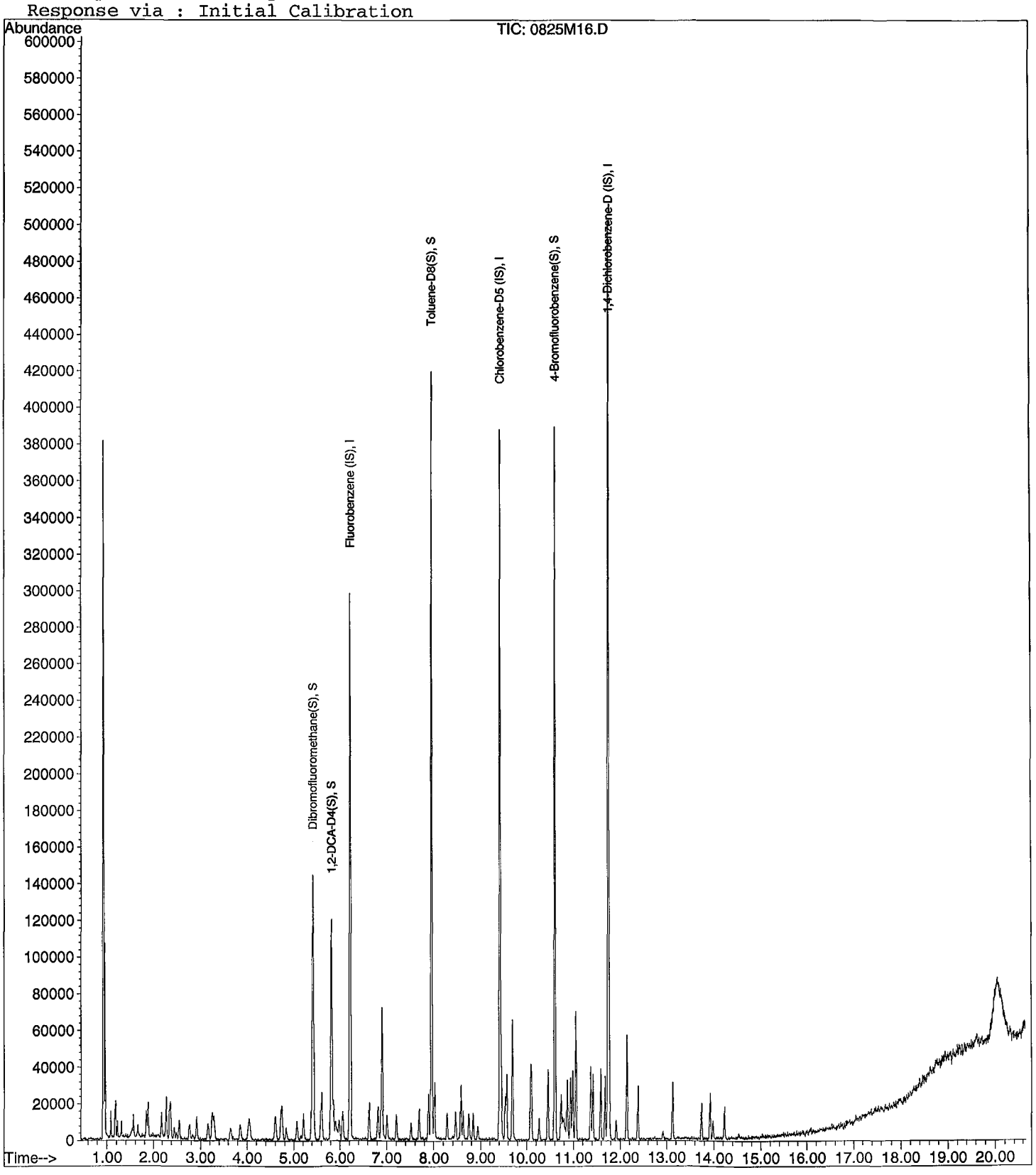
Quantitation Report

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

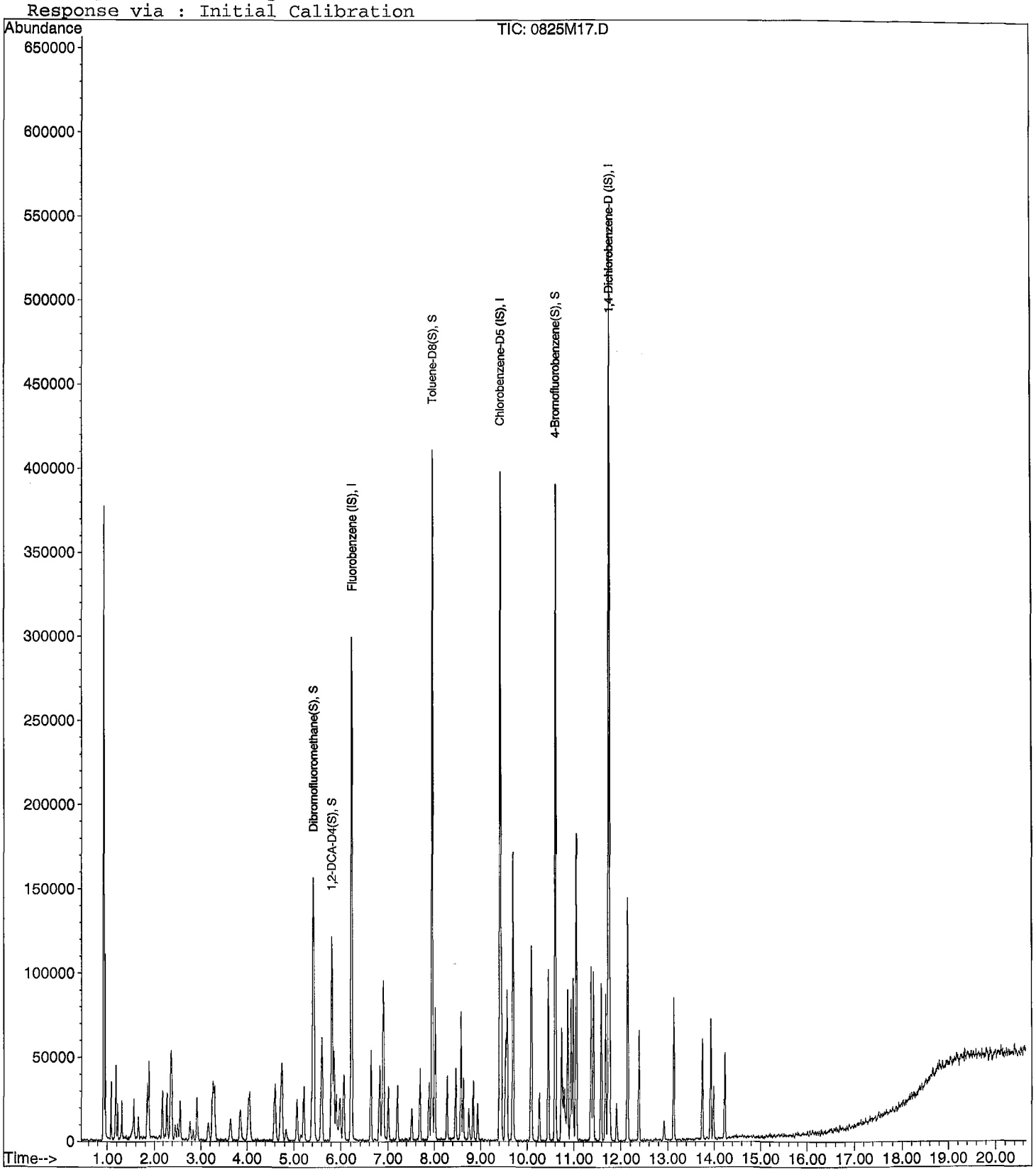
Quantitation Report

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

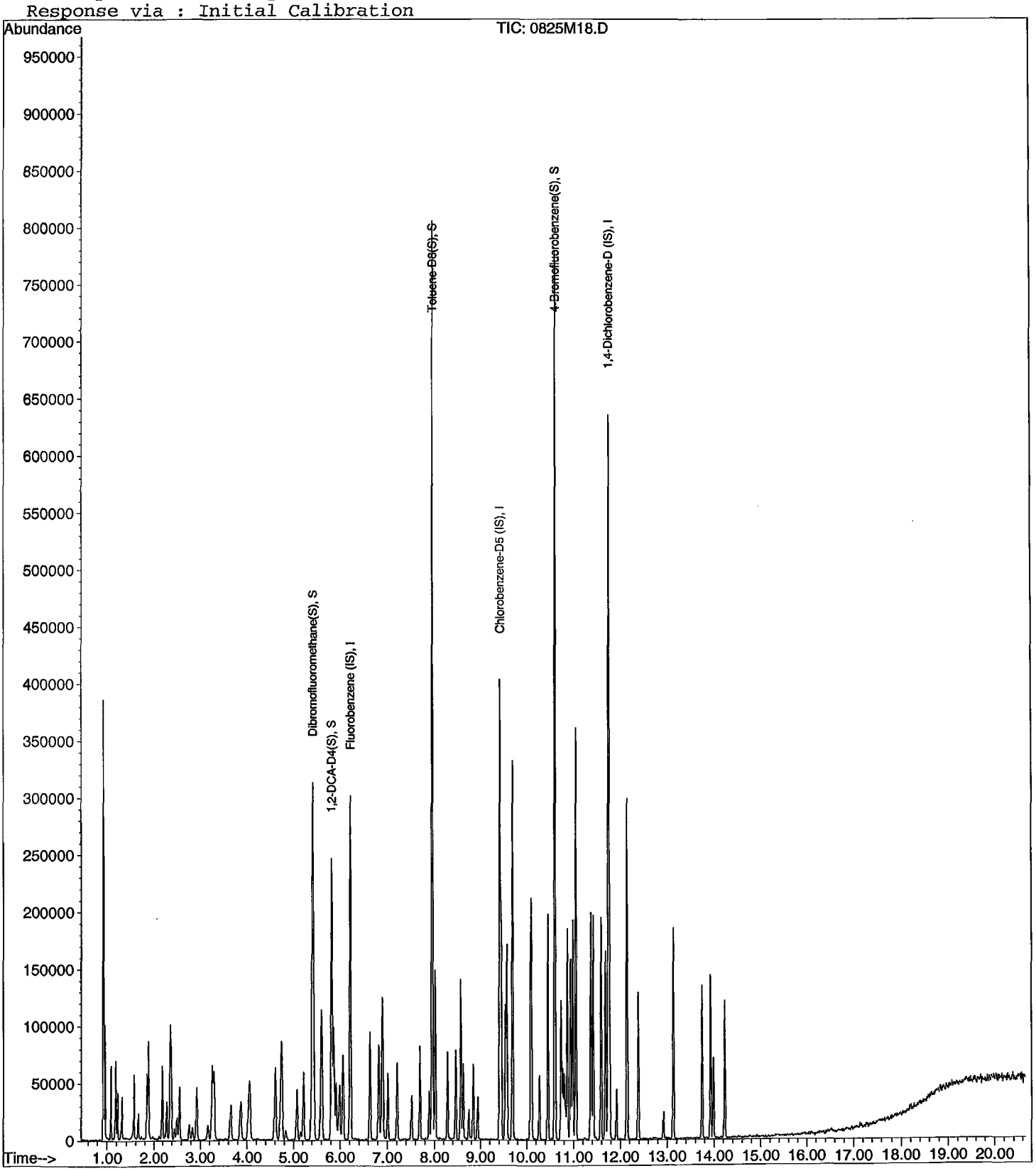
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M18.D 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

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

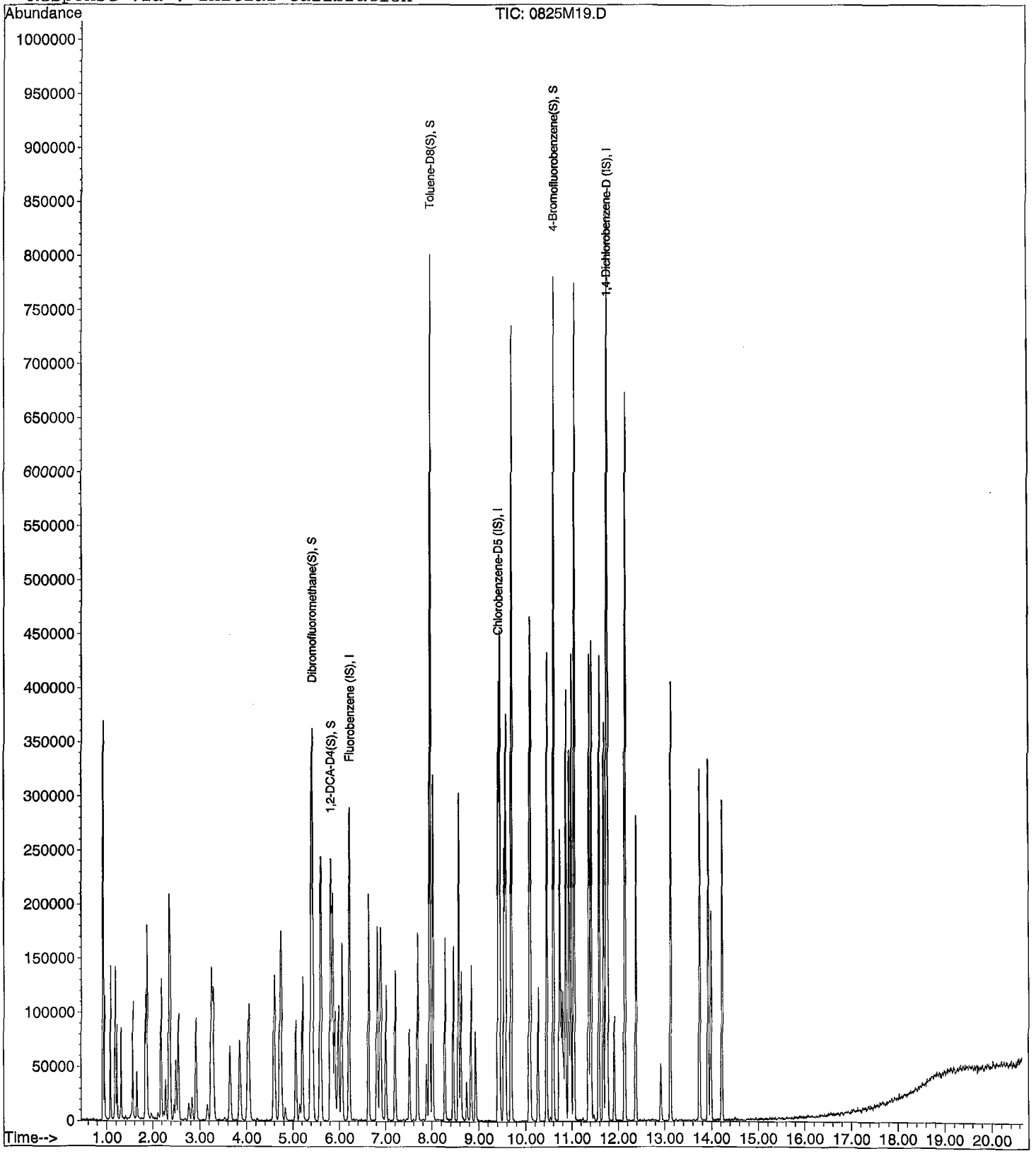
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M19.D
Acq On : 25 Aug 21 18:31
Sample : 40ug/L VOC STD 8/25/21
Misc : IS&S 6/4/21

Vial: 9
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\0825M20.D Vial: 10
Acq On : 25 Aug 21 18:59 Operator: LP,DG,CH
Sample : 100ug/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 | 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

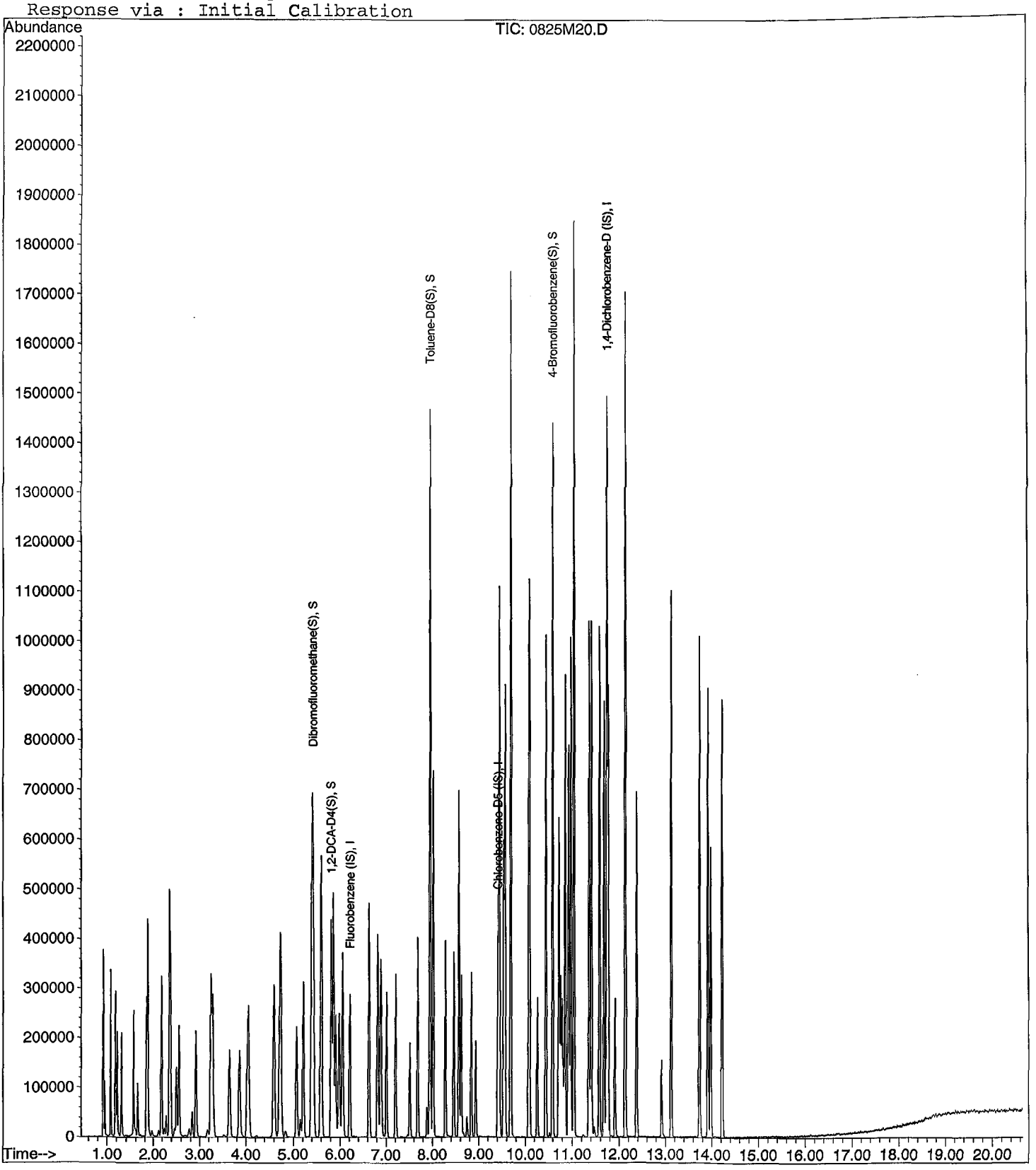
Quantitation Report

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



# ORGANICS

## Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M41.D Vial: 31
Acq On : 26 Aug 21 4:46 Operator: LP,DG,CH
Sample : BA37729W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:53 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 | 281467 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 242116m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 9274m | 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\210825\0825M41.D Vial: 31
Acq On : 26 Aug 21 4:46 Operator: LP,DG,CH
Sample : BA37729W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 242123 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 205663 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 125856 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 73963 | 25.33 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.320% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 47872 | 24.95 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.792% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 235900 | 24.46 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.840% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 93584 | 24.87 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.488% | | | |

Target Compounds Qvalue

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

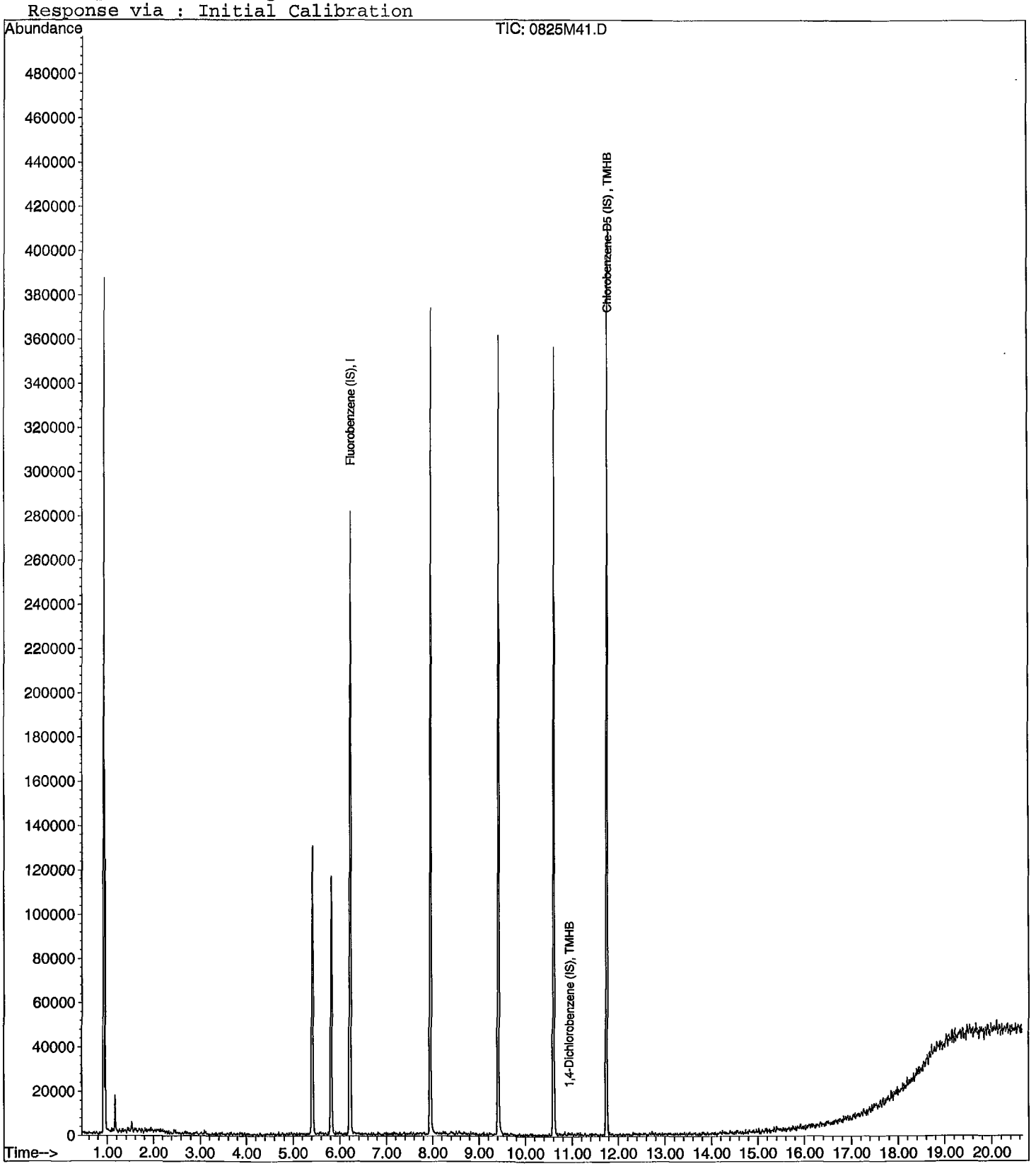
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M41.D
Acq On : 26 Aug 21 4:46
Sample : BA37729W01
Misc : IS&S 6/4/21

Vial: 31
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:53 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\0825M42.D Vial: 32
Acq On : 26 Aug 21 5:14 Operator: LP,DG,CH
Sample : BA37730W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:54 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 | 284127 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 234018m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 8087m | 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\210825\0825M42.D Vial: 32
Acq On : 26 Aug 21 5:14 Operator: LP,DG,CH
Sample : BA37730W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 248738 | 25.00 ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 200562 | 25.00 ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 126188 | 25.00 ppb | 0.00 |
| System Monitoring Compounds | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 72095 | 24.03 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 96.136% | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 48752 | 24.73 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.924% | |
| 5) Toluene-D8(S) | 7.95 | 98 | 229950 | 24.45 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 97.796% | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 92733 | 25.27 ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 101.088% | |

Target Compounds Qvalue

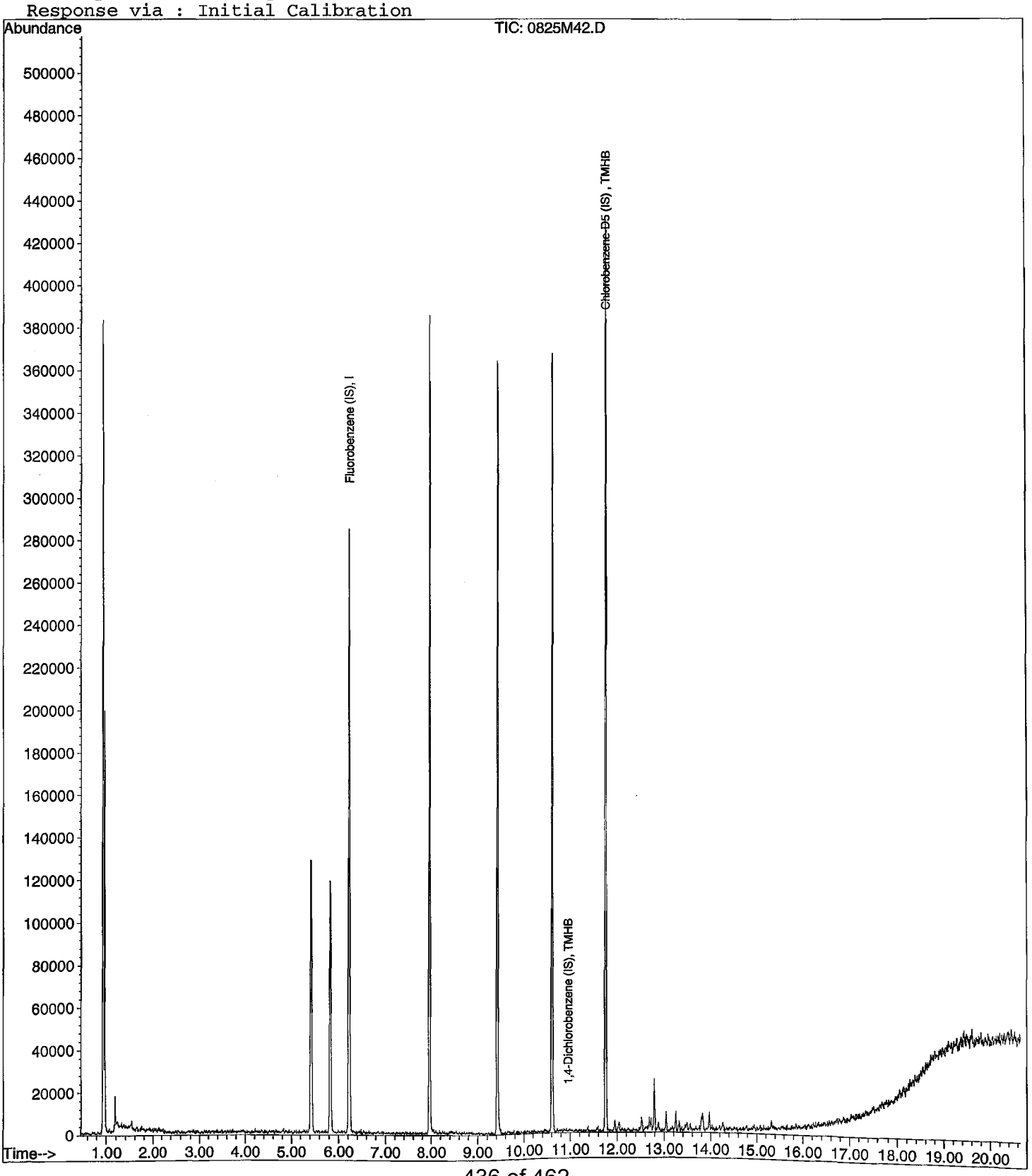
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M42.D Vial: 32
Acq On : 26 Aug 21 5:14 Operator: LP,DG,CH
Sample : BA37730W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:54 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\0825M43.D Vial: 33
Acq On : 26 Aug 21 5:41 Operator: LP,DG,CH
Sample : BA37732W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:54 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 | 278051 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 235614m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 9574m | 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\210825\0825M43.D Vial: 33
Acq On : 26 Aug 21 5:41 Operator: LP,DG,CH
Sample : BA37732W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 243873 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 209248 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 123030 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 75574 | 25.70 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 102.784% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 47632 | 24.64 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.576% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 233368 | 23.78 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 95.132% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 92255 | 24.10 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 96.392% | | | |

Target Compounds Qvalue

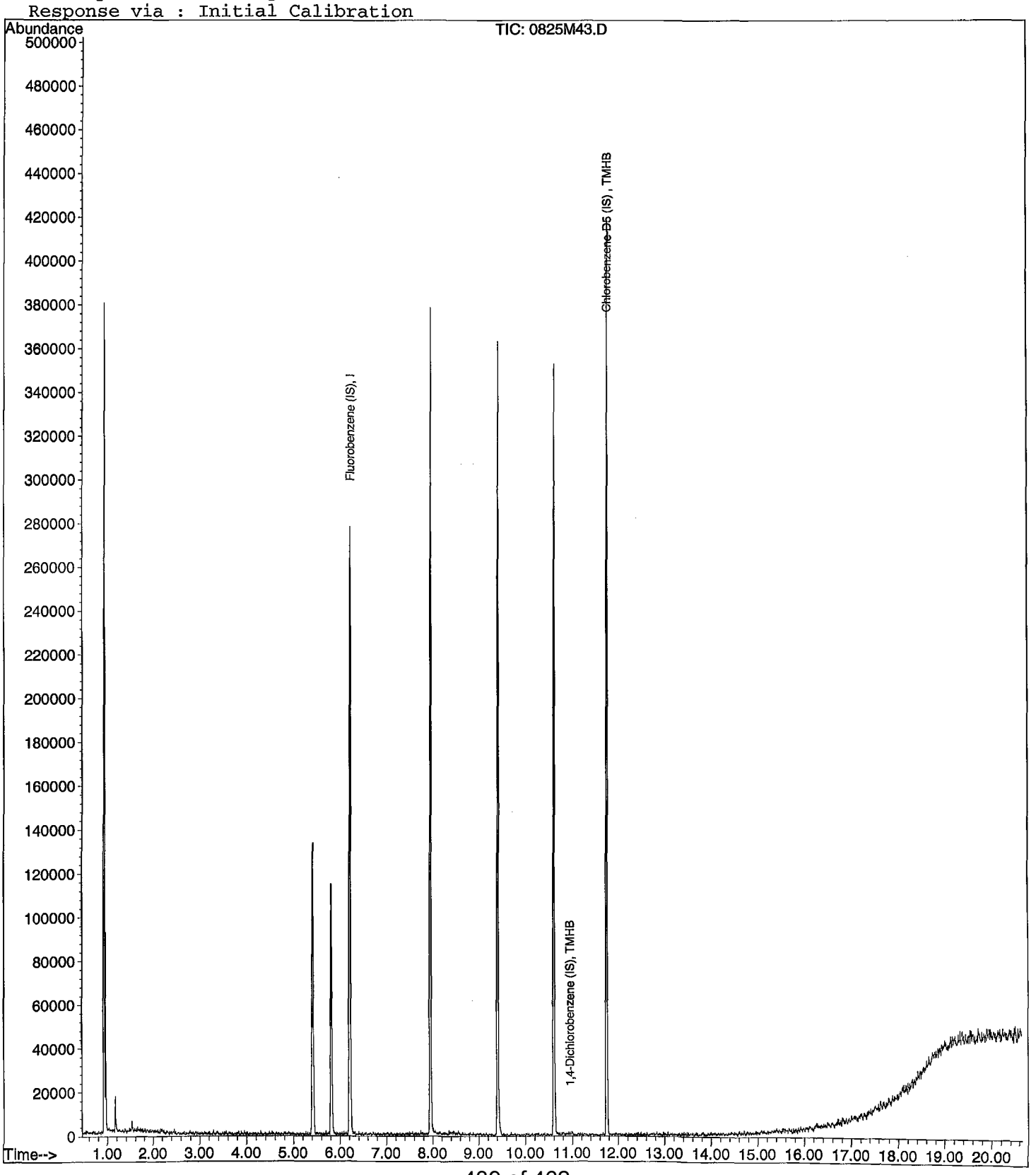
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M43.D  Vial: 33
Acq On : 26 Aug 21 5:41  Operator: LP,DG,CH
Sample : BA37732W01  Inst : Max
Misc : IS&S 6/4/21  Multiplr: 1.00

Quant Time: Sep 20 10:54 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\0825M44.D Vial: 34
Acq On : 26 Aug 21 6:09 Operator: LP,DG,CH
Sample : BA37733W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:54 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 | 276474 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 283649m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 35625m | 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\210825\0825M44.D Vial: 34
Acq On : 26 Aug 21 6:09 Operator: LP,DG,CH
Sample : BA37733W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 241825 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 200984 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129260 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 73901 | 25.34 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.360% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 48720 | 25.42 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.684% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 232086 | 24.62 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.500% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 94218 | 25.62 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 102.492% | | | |

Target Compounds Qvalue

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

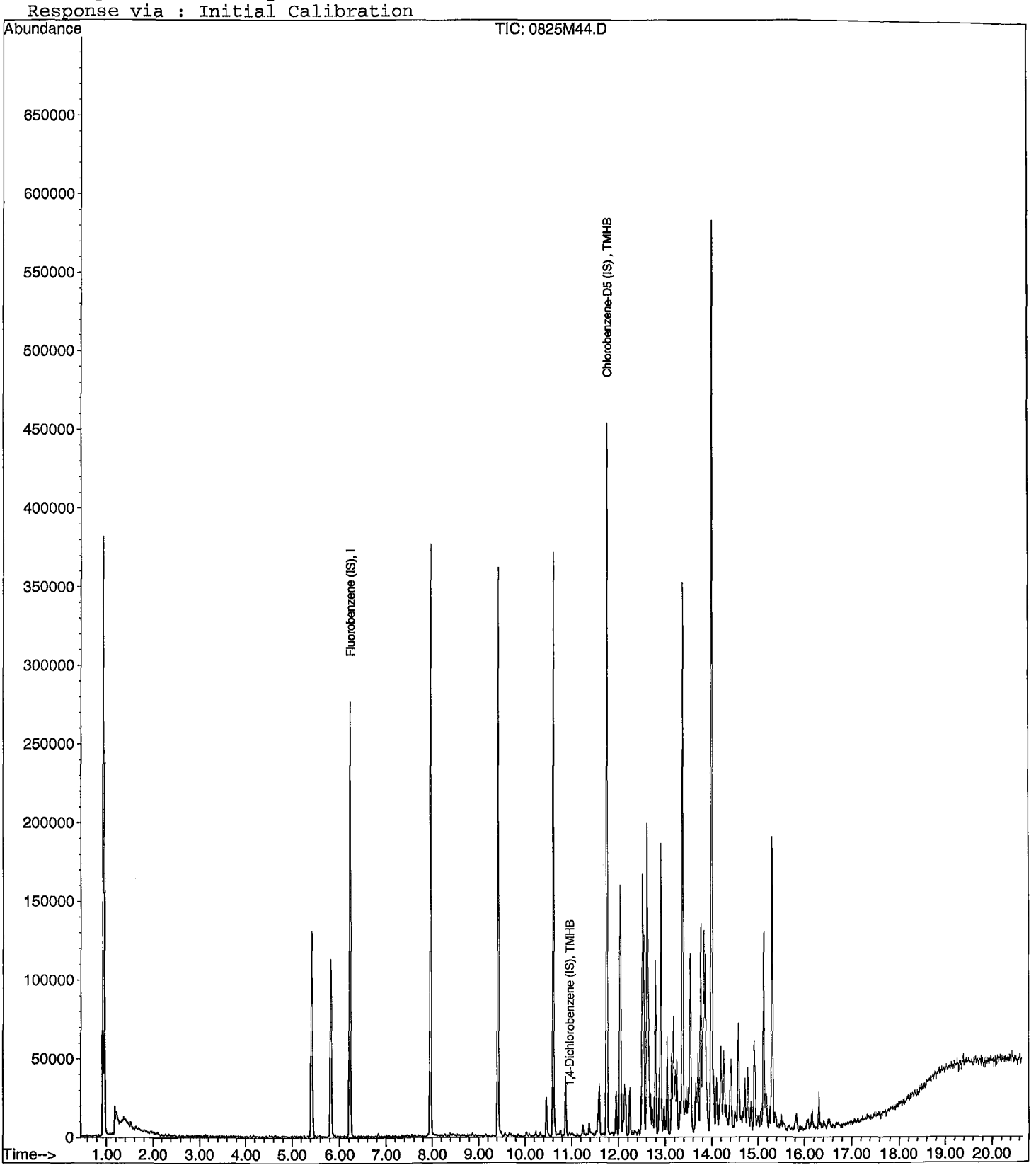
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M44.D
Acq On : 26 Aug 21 6:09
Sample : BA37733W01
Misc : IS&S 6/4/21

Vial: 34
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:54 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\0825M45.D Vial: 35
Acq On : 26 Aug 21 6:37 Operator: LP,DG,CH
Sample : BA37735W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:55 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 | 285301 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 237183m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 9986m | 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\210825\0825M45.D Vial: 35
Acq On : 26 Aug 21 6:37 Operator: LP,DG,CH
Sample : BA37735W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 247805 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 207647 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129069 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 74974 | 25.09 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 100.348% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 49808 | 25.36 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.444% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 240426 | 24.69 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.764% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96479 | 25.40 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.584% | | | |

Target Compounds Qvalue

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

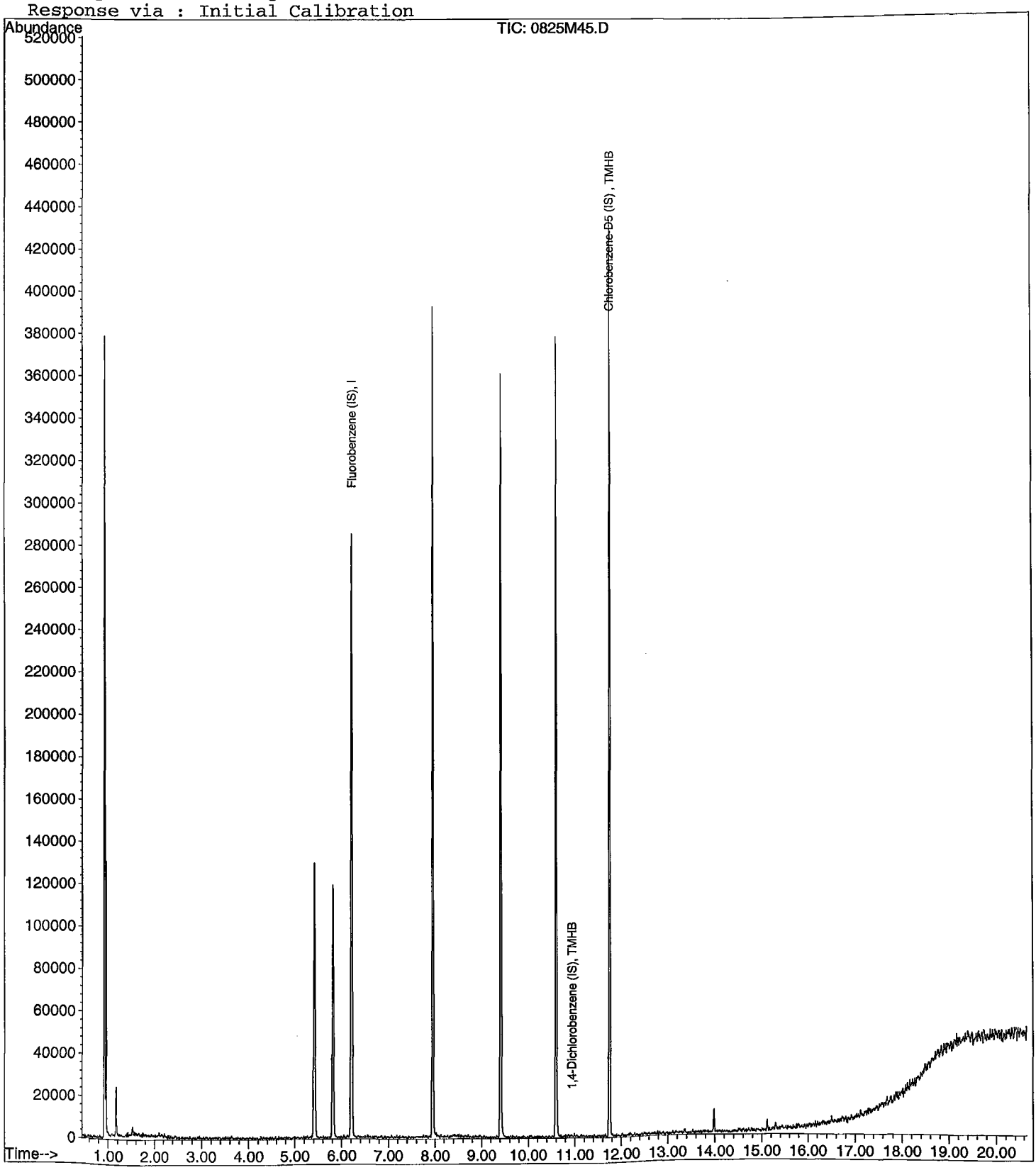
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M45.D
Acq On : 26 Aug 21 6:37
Sample : BA37735W01
Misc : IS&S 6/4/21

Vial: 35
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:55 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\0825M46.D Vial: 36
Acq On : 26 Aug 21 7:05 Operator: LP,DG,CH
Sample : BA37736W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:55 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 | 270503 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 231375m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 11063m | 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\210825\0825M46.D Vial: 36
Acq On : 26 Aug 21 7:05 Operator: LP,DG,CH
Sample : BA37736W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 239517 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 202686 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.74 | 152 | 128165 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 73950 | 25.60 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 102.404% | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 47048 | 24.78 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 99.140% | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 231911 | 24.40 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 97.600% | | |
| 6) 4-Bromofluorobenzene(S) | 10.59 | 95 | 91105 | 24.57 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = | 98.272% | | |

Target Compounds Qvalue

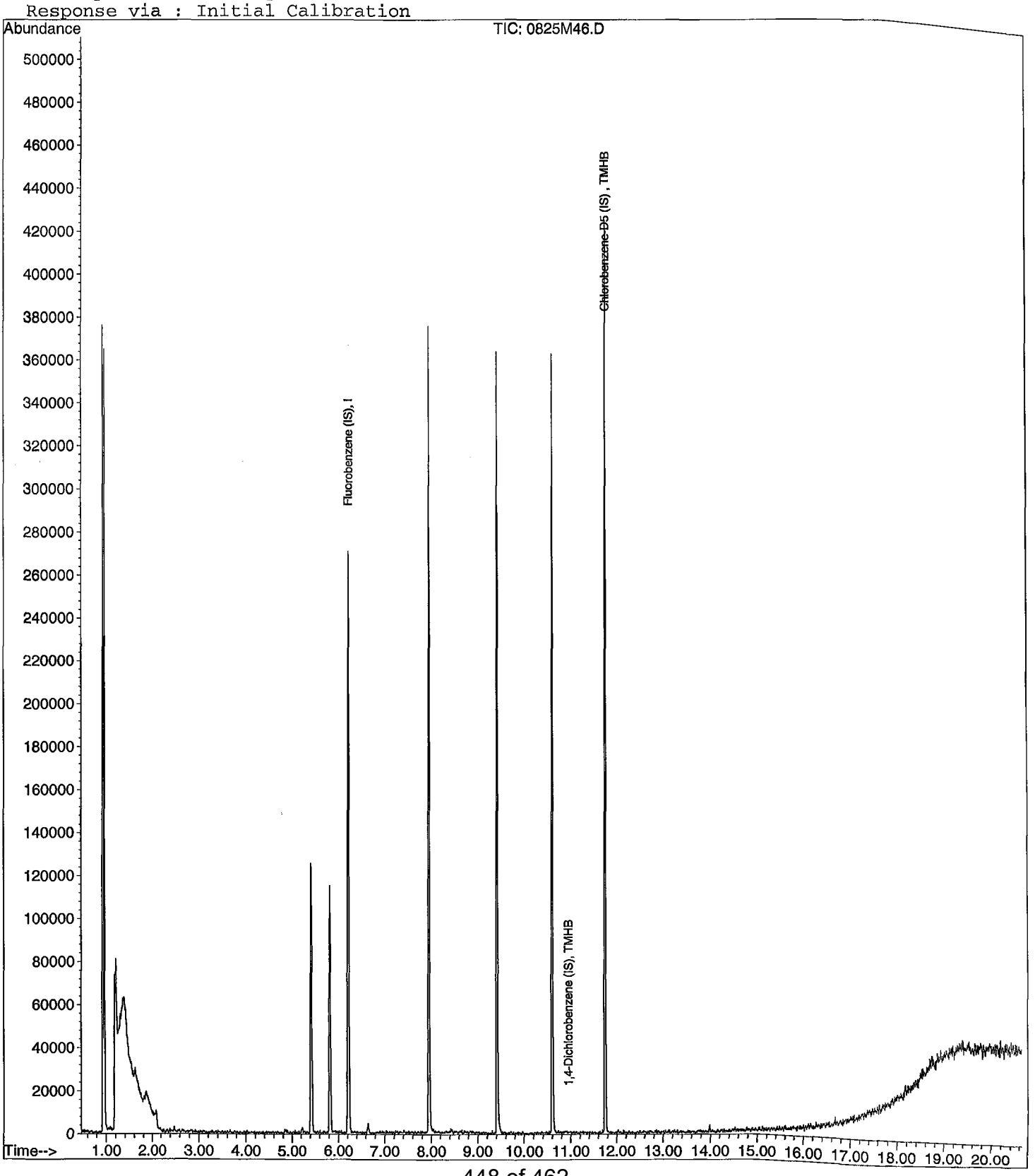
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M46.D Vial: 36
Acq On : 26 Aug 21 7:05 Operator: LP,DG,CH
Sample : BA37736W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:55 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\0825M47.D Vial: 37
Acq On : 26 Aug 21 7:33 Operator: LP,DG,CH
Sample : BA37738W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:56 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) | 6.22 | TIC | 279488 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 240235m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 6789m | 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\210825\0825M47.D Vial: 37
Acq On : 26 Aug 21 7:33 Operator: LP,DG,CH
Sample : BA37738W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 244069 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.42 | 117 | 208164 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 129798 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 78241 | 26.58 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 106.324% | | | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 47888 | 24.76 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.028% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 235985 | 24.17 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 96.700% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 93752 | 24.62 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 98.468% | | | |

Target Compounds Qvalue

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

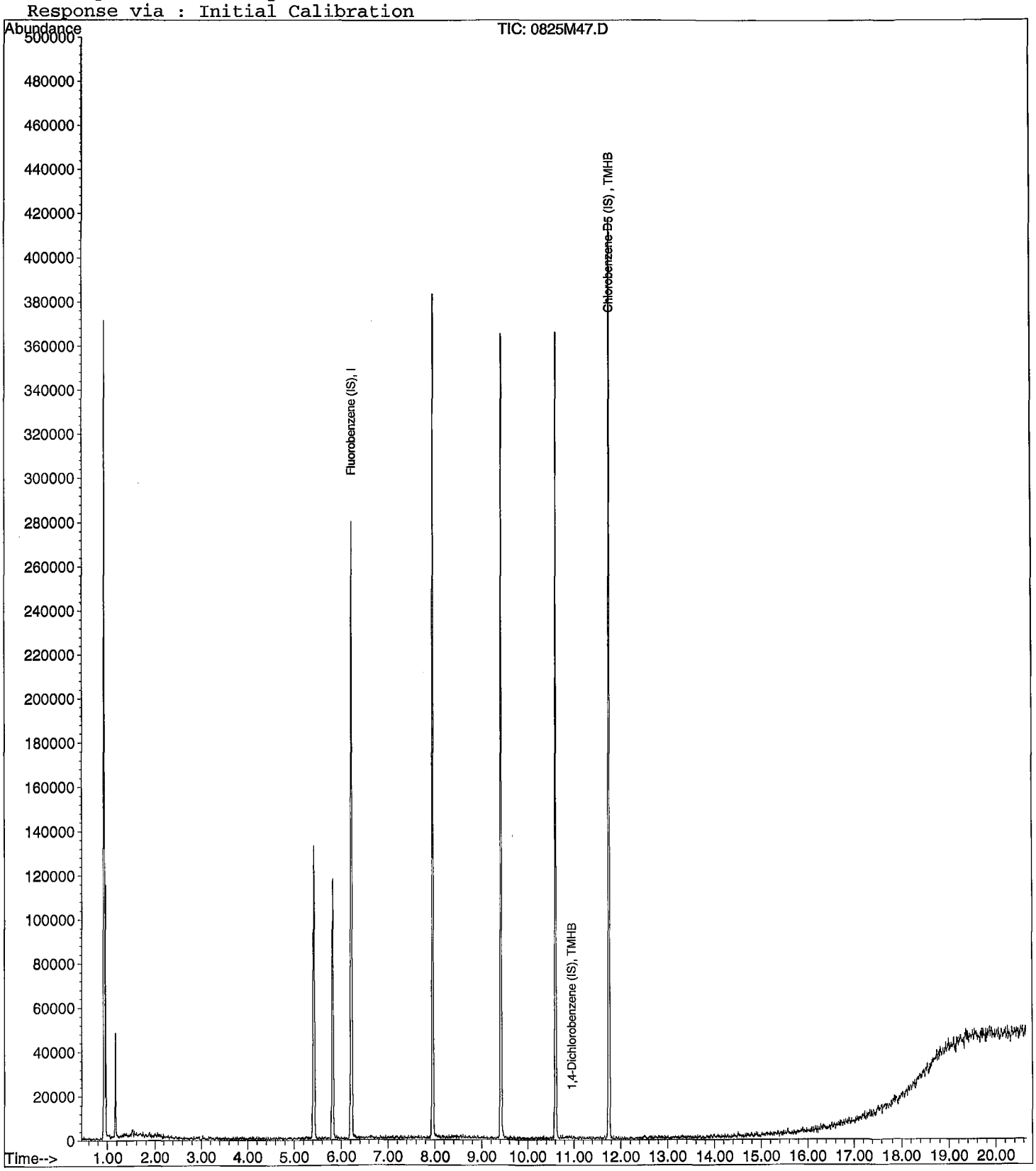
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M47.D
Acq On : 26 Aug 21 7:33
Sample : BA37738W01
Misc : IS&S 6/4/21

Vial: 37
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:56 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\0825M48.D Vial: 38
Acq On : 26 Aug 21 8:01 Operator: LP,DG,CH
Sample : BA37739W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:56 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 | 293733 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 249342m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 8658m | 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\210825\0825M48.D Vial: 38
Acq On : 26 Aug 21 8:01 Operator: LP,DG,CH
Sample : BA37739W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 253766 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 214560 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 137163 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 74394 | 24.31 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.236% | | | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 49224 | 24.48 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 97.900% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 241080 | 23.96 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 95.844% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 99248 | 25.28 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.132% | | | |

Target Compounds Qvalue

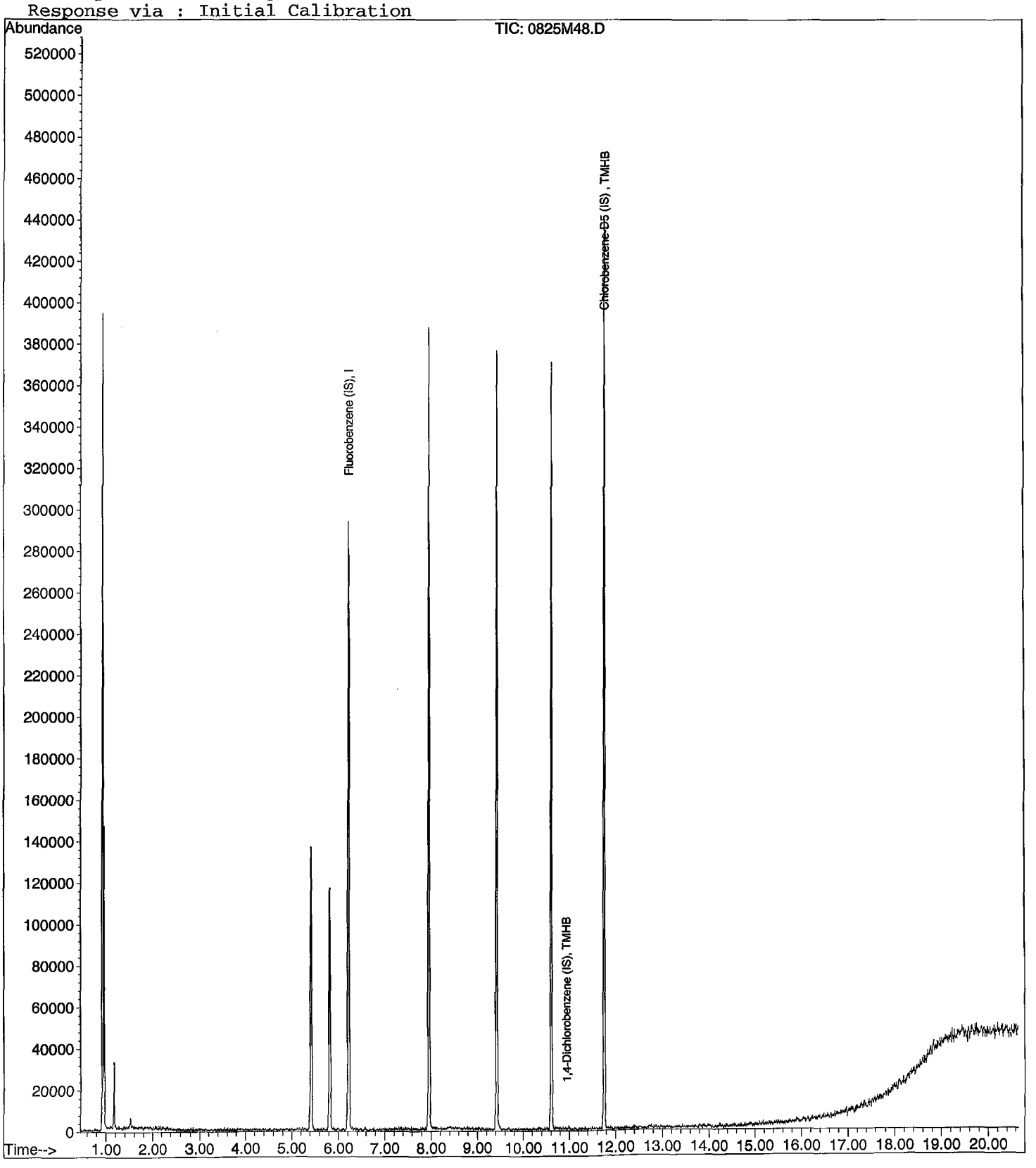
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210825\0825M48.D Vial: 38
Acq On : 26 Aug 21 8:01 Operator: LP,DG,CH
Sample : BA37739W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:56 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 (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M36.D Vial: 26
Acq On : 26 Aug 21 2:26 Operator: LP,DG,CH
Sample : 210825A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 251932 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 211434 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 132347 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.42 | 111 | 79259 | 26.09 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 104.348% | | | |
| 3) 1,2-DCA-D4(S) | 5.81 | 65 | 49416 | 24.75 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.000% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 245939 | 24.80 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.220% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 96331 | 24.90 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 99.612% | | | |

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M36.D Vial: 26
Acq On : 26 Aug 21 2:26 Operator: LP,DG,CH
Sample : 210825A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:52 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 | 284273 | 25.00 ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 232866m | 25.00 ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 13117m | 25.00 ppb | 0.00 |

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

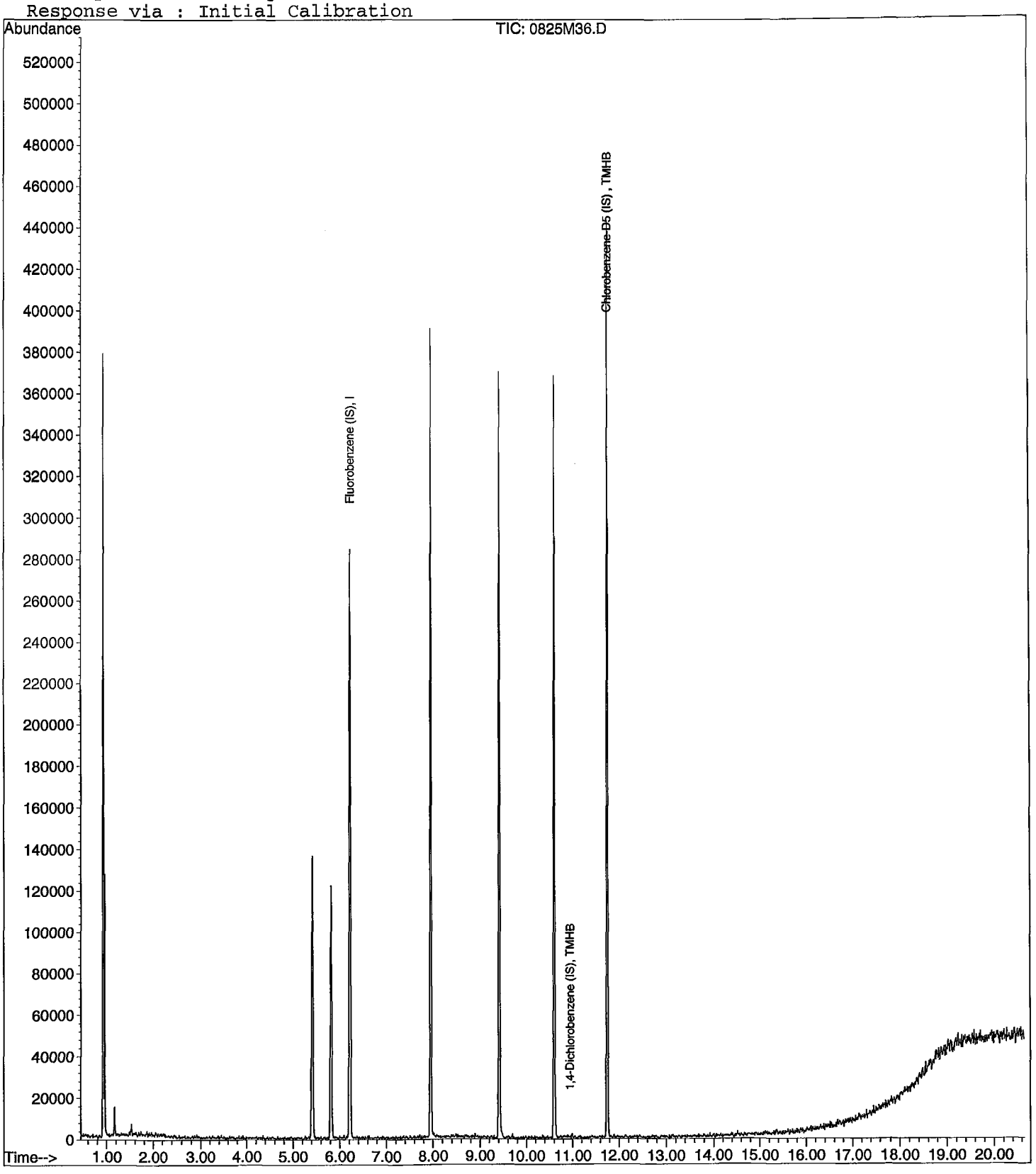
Data File : M:\MAX\DATA\210825\0825M36.D
Acq On : 26 Aug 21 2:26
Sample : 210825A BLK
Misc : IS&S 6/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:52 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



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210825\0825M35.D Vial: 25
Acq On : 26 Aug 21 1:58 Operator: LP,DG,CH
Sample : 210825A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:47 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 | 249928 | 25.00 | ppb | 0.00 |
| 4) Chlorobenzene-D5 (IS) | 9.41 | 117 | 211708 | 25.00 | ppb | 0.00 |
| 7) 1,4-Dichlorobenzene-D (IS) | 11.75 | 152 | 136321 | 25.00 | ppb | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 2) Dibromofluoromethane(S) | 5.41 | 111 | 76017 | 25.22 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 100.880% | | | |
| 3) 1,2-DCA-D4(S) | 5.82 | 65 | 50032 | 25.26 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 101.036% | | | |
| 5) Toluene-D8(S) | 7.95 | 98 | 240601 | 24.24 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 96.940% | | | |
| 6) 4-Bromofluorobenzene(S) | 10.60 | 95 | 100053 | 25.83 | ppb | 0.00 |
| Spiked Amount 25.000 | | | Recovery = 103.328% | | | |

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210825\0825M35.D Vial: 25
Acq On : 26 Aug 21 1:58 Operator: LP,DG,CH
Sample : 210825A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 20 10:52 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 | 287578 | 25.00 | ppb | 0.00 |
| 3) Chlorobenzene-D5 (IS) | 11.75 | TIC | 275095m | 25.00 | ppb | 0.00 |
| 4) 1,4-Dichlorobenzene (IS) | 10.94 | TIC | 99957m | 25.00 | ppb | 0.00 |
| System Monitoring Compounds | | | | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Gasoline C6-C10 | 9.41 | TIC | 4380902m | 302.68 | ppb | 100 |

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

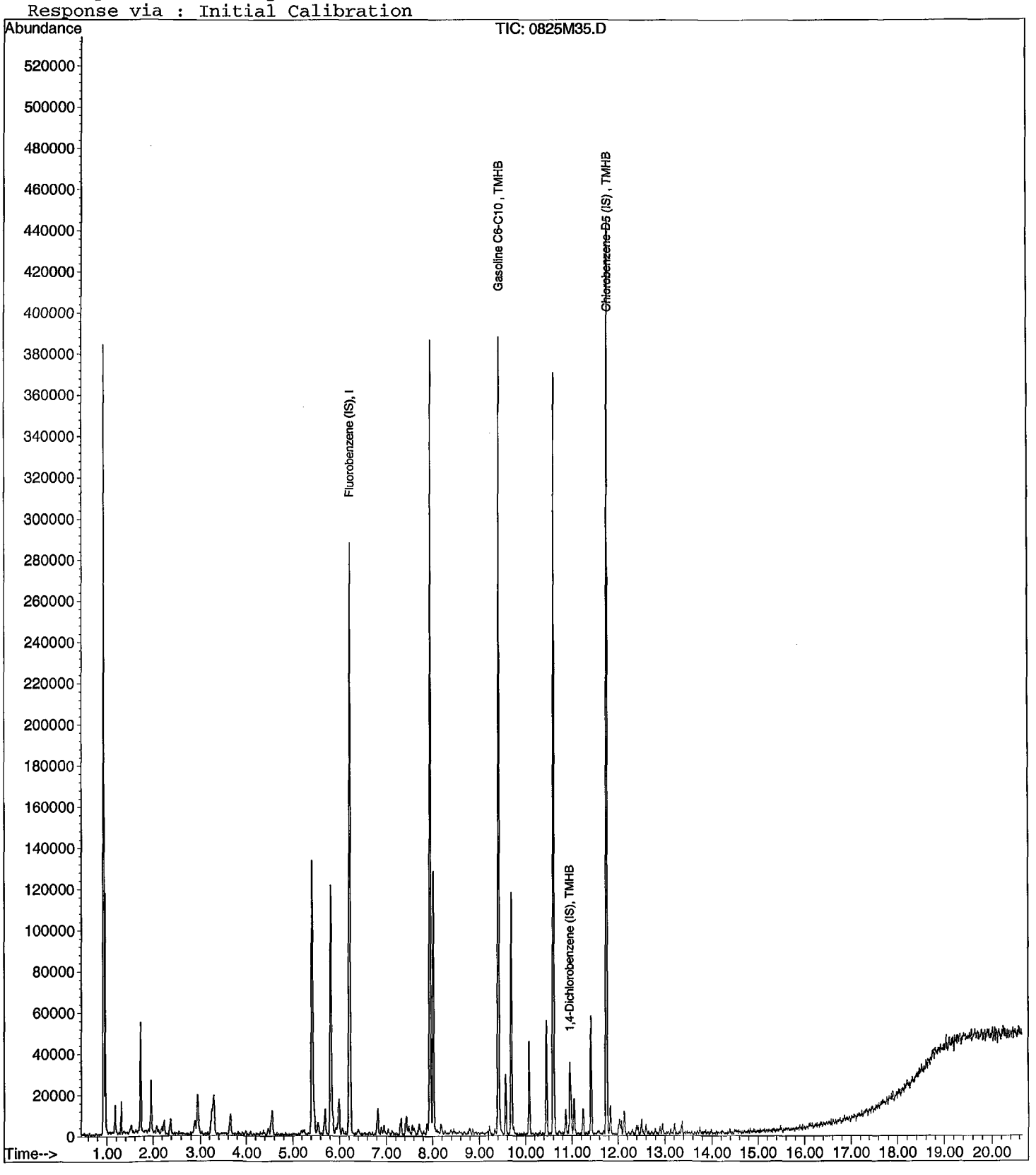
Quantitation Report

Data File : M:\MAX\DATA\210825\0825M35.D
Acq On : 26 Aug 21 1:58
Sample : 210825A LCSD 300ug/L
Misc : IS&S 6/4/21

Vial: 25
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Sep 20 10:52 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



# MAX Gas Standard Prep

## Gas Primary Working Standard

**Prepared:** 6/23/2021
**Expires:** 1/4/2022
**Methanol Lot No.**

**Prepared By (Initials):** CH

| 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
**Expires:** 1/31/1930
**Methanol Lot No.**

**Prepared By (Initials):** CH

| 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
**Expires:** 10/24/2021

**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 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
**Expires:** 10/24/2021

**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) |
| 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
**Expires:** 8/26/2021

**Prepared By (Initials):** CH

| 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 |

# Method Injection Log

**Directory:** M:\MAX\DATA\210825

| Line | Vial | FileName | Mult | SampleName | Misc Info | Injected |
|---|---|---|---|---|---|---|
| 1 | 1 | 0825M11.D | 1 | 25ug/L BFB STD 7/13/21 | IS&S 6/4/21 | 08/25/2021 14:47 |
| 2 | 2 | 0825M12.D | 1 | 0.3ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 15:15 |
| 3 | 3 | 0825M13.D | 1 | 0.5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 15:43 |
| 4 | 4 | 0825M14.D | 1 | 1ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 16:11 |
| 5 | 5 | 0825M15.D | 1 | 2ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 16:39 |
| 6 | 6 | 0825M16.D | 1 | 5ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 17:07 |
| 7 | 7 | 0825M17.D | 1 | 10ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 17:35 |
| 8 | 8 | 0825M18.D | 1 | 20ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:03 |
| 9 | 9 | 0825M19.D | 1 | 40ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:31 |
| 10 | 10 | 0825M20.D | 1 | 100ug/L VOC STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 18:59 |
| 11 | 13 | 0825M23.D | 1 | 20ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 20:23 |
| 12 | 14 | 0825M24.D | 1 | 50ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 20:51 |
| 13 | 15 | 0825M25.D | 1 | 100ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 21:19 |
| 14 | 16 | 0825M26.D | 1 | 300ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 21:47 |
| 15 | 17 | 0825M27.D | 1 | 600ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 22:14 |
| 16 | 18 | 0825M28.D | 1 | 800ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 22:42 |
| 17 | 19 | 0825M29.D | 1 | 1000ug/L GAS STD 8/25/21 | IS&S 6/4/21 | 08/25/2021 23:10 |
| 18 | 21 | 0825M31.D | 1 | (SS) 300ug/L GAS STD 8/25 | IS&S 6/4/21 | 08/26/2021 00:06 |
| 19 | 24 | 0825M34.D | 1 | 210825A LCS 300ug/L | IS&S 6/4/21 | 08/26/2021 01:30 |
| 20 | 25 | 0825M35.D | 1 | 210825A LCSD 300ug/L | IS&S 6/4/21 | 08/26/2021 01:58 |
| 21 | 26 | 0825M36.D | 1 | 210825A BLK | IS&S 6/4/21 | 08/26/2021 02:26 |
| 22 | 31 | 0825M41.D | 1 | BA37729W01 | IS&S 6/4/21 | 08/26/2021 04:46 |
| 23 | 32 | 0825M42.D | 1 | BA37730W01 | IS&S 6/4/21 | 08/26/2021 05:14 |
| 24 | 33 | 0825M43.D | 1 | BA37732W01 | IS&S 6/4/21 | 08/26/2021 05:41 |
| 25 | 34 | 0825M44.D | 1 | BA37733W01 | IS&S 6/4/21 | 08/26/2021 06:09 |
| 26 | 35 | 0825M45.D | 1 | BA37735W01 | IS&S 6/4/21 | 08/26/2021 06:37 |
| 27 | 36 | 0825M46.D | 1 | BA37736W01 | IS&S 6/4/21 | 08/26/2021 07:05 |
| 28 | 37 | 0825M47.D | 1 | BA37738W01 | IS&S 6/4/21 | 08/26/2021 07:33 |
| 29 | 38 | 0825M48.D | 1 | BA37739W01 | IS&S 6/4/21 | 08/26/2021 08:01 |
| 30 | 46 | 0825M56.D | 1 | Ending CCV 300ug/L 8/25/2 | IS&S 6/4/21 | 08/26/2021 11:45 |