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

November 24, 2021

AECOM
1001 Bishop Street, Suite 1600
Honolulu, Hawaii 96813

Attn: Alethea Ramos

Title: Report of Data: Case 96919

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 July 23, 2021. Written results for the requested analyses are being provided on this November 24, 2021.

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

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

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

Loren Portwood, Laboratory Director
APPL, Inc.

LP/lac
Enclosure
cc: File

Data Validation Package
for
60571032 CV18F0126 Red Hill Fuel Storage
APPL SDG 96919
TABLE OF CONTENTS

LABORATORY NAME: *APPL, Inc.*

CASE NARRATIVE

Case Narrative

ARF: 96919

Project: 60571032 CV18F0126 Red Hill Fuel Storage. HI

Sample Receipt Information:

Eight water samples were received July 23, 2021 at 0.3°C, and 3.1°C. The sample group was assigned Analytical Request Form (ARF) number 96919.

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 210728B method blank, Oil was detected above one-half the LOQ. Corrective action: Four samples were B-flagged for Oil.

EPA 8015B SGC: In the 210728B1-Method Blank, Oil was detected above one-half the LOQ. Corrective action: Four samples were B-flagged for Oil.

The 210728B1-LCS/LCSD recovers Diesel, Oil, and two surrogates above the upper control limit.

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
96919	7/23/2021	ERH1540	BA36546	7/22/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1540	BA36546	7/22/2021 10:15:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1541	BA36547	7/22/2021 10:24:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1541	BA36547	7/22/2021 10:24:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96919	7/23/2021	ERH1541	BA36547	7/22/2021 10:24:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1541	BA36547	7/22/2021 10:24:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1541	BA36547	7/22/2021 10:24:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96919	7/23/2021	ERH1541 BLANK	BA36548	7/22/2021 10:24:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1542	BA36549	7/22/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1542	BA36549	7/22/2021 11:10:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1543	BA36550	7/22/2021 11:14:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1543	BA36550	7/22/2021 11:14:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96919	7/23/2021	ERH1543	BA36550	7/22/2021 11:14:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1543	BA36550	7/22/2021 11:14:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1543	BA36550	7/22/2021 11:14:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96919	7/23/2021	ERH1543 BLANK	BA36551	7/22/2021 11:14:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1544	BA36552	7/22/2021 12:08:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1544	BA36552	7/22/2021 12:08:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1545	BA36553	7/22/2021 12:12:00 PM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1545	BA36553	7/22/2021 12:12:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96919	7/23/2021	ERH1545	BA36553	7/22/2021 12:12:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1545	BA36553	7/22/2021 12:12:00 PM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1545	BA36553	7/22/2021 12:12:00 PM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96919	7/23/2021	ERH1545 BLANK	BA36554	7/22/2021 12:12:00 PM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1546	BA36555	7/22/2021 8:30:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1546	BA36555	7/22/2021 8:30:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1547	BA36556	7/22/2021 8:40:00 AM	WATER	EPA 8260B	EPA 8260B BTEX WATER
96919	7/23/2021	ERH1547	BA36556	7/22/2021 8:40:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH WATER L-L SGC
96919	7/23/2021	ERH1547	BA36556	7/22/2021 8:40:00 AM	WATER	EPA 8015B-eHL	EPA 8015B TPH LIQ-LIQ
96919	7/23/2021	ERH1547	BA36556	7/22/2021 8:40:00 AM	WATER	EPA 8260B	EPA 8260B GRO WATER
96919	7/23/2021	ERH1547	BA36556	7/22/2021 8:40:00 AM	WATER	8270D-SIM	EPA 8270D SIM LIQ-LIQ
96919	7/23/2021	ERH1547 BLANK	BA36557	7/22/2021 8:40:00 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 96919

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** # **50148**
RAD Screen (Y/N): **Y** pH (Y/N): **Y**
Turn Around Type: **1 WEEK**

Received by: **SSE**
Date Received: **07/23/21** Time: **09:50**
Delivered by: **FEDEX**
Shuttle Custody Seals (Y/N): **Y** Time Zone: **-10**
Chest Temp(s): **0.1,3.1°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: **07/30/21**

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; DO NOT Q-DELETE
FR: email ftp info to Margie, alethea.ramos@aecom.com, Stella, trommelfanger@lab-data.com & jcanlas@la
EDD: AECOM EQuIS EDD 2.5.3 to alethea.ramos@, Margie.Pascua@aecom.com, jecklund@lab-data.com

Sample Distribution:
GC: 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.	ERH1540	LCSD BA36546W	07/22/21 10:15	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
2.	ERH1541	LCSD BA36547W	07/22/21 10:24	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
3.	ERH1541 BLANK	LCSD BA36548W	07/22/21 10:24	$RHBLKETBLK -- See Comments
4.	ERH1542	LCSD BA36549W	07/22/21 11:10	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments

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

5.	ERH1543	LCSD	BA36550W	07/22/21 11:14	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
6.	ERH1543 BLANK	LCSD	BA36551W	07/22/21 11:14	$RHBLKETBLK -- See Comments
7.	ERH1544	LCSD	BA36552W	07/22/21 12:08	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
8.	ERH1545	LCSD	BA36553W	07/22/21 12:12	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
9.	ERH1545 BLANK	LCSD	BA36554W	07/22/21 12:12	$RHBLKETBLK -- See Comments
10.	ERH1546	LCSD	BA36555W	07/22/21 08:30	$86BTOTXDOD5W, $GASBL, $GRO86BW -- See Comments
11.	ERH1547	LCSD	BA36556W	07/22/21 08:40	$86BTOTXDOD5W, $DOC53SGCW5LIQ, $DOC53W5LIQ, $GASBL, $GRO86BW, $SIM53LIQ51 -- See Comments
12.	ERH1547 BLANK	LCSD	BA36557W	07/22/21 08:40	$RHBLKETBLK -- See Comments

APPL Sample Receipt Form

ARF# **96919**

Sample	Container Type	Count	p
BA36546	[13] VOAs - HCL	4	NA
BA36547	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA36548	[39] Amber Liter, HCL prsvd	1	NA
BA36549	[13] VOAs - HCL	4	NA
BA36550	[13] VOAs - HCL	4	NA
	[17] Amber Liter	4	NA
BA36551	[39] Amber Liter, HCL prsvd	1	NA
BA36552	[13] VOAs - HCL	4	NA
BA36553	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA36554	[39] Amber Liter, HCL prsvd	1	NA
BA36555	[13] VOAs - HCL	4	NA
BA36556	[13] VOAs - HCL	4	NA
	[17] Amber Liter	2	NA
	[39] Amber Liter, HCL prsvd	2	1.6
BA36557	[39] Amber Liter, HCL prsvd	1	NA

Sample	Container Type	Count	p

96919

APPL LABS

CHAIN OF CUSTODY RECORD

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611
Phone: (559) 275-2175
Fax: (559) 275-4422

C.O.C. 50148 1/2

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

Project Name/Number: CV-18F0126/60571032

Purchase Order Number: 102604

Sampler (Print): ~~AM CS~~ WZ KL. MM. GM for

Sampler (Signature): WZ for KL. MM. GM

Sample Identification	Location	Date Collected	Time Collected	Time Zone	No. of Containers	Matrix: Aq	Sed.	Soil	BTEX 8260	TPH-G 8260	TPH-DIO 8015	TPH-DIO w/SGT	PAHs Short List 8270D SIM	Other
ERH1540	Trip Blank	7/22/21	10:15	HST	4	X			X	X				
ERH1541	RHMW01R	7/22/21	10:24	HST	4	X			X	X	X	X	X*	COC
ERH1542	Trip Blank	7/22/21	11:10	HST	4	X			X	X				
ERH1543	RHMW02	7/22/21	11:14	HST	4	X			X	X	X	X	X*	Other
ERH1544	Trip Blank	7/22/21	12:08	HST	~~0~~	X			X	X				
ERH1545	RHMW03	7/22/21	12:12	HST	~~0~~	X			X	X	X	X	X*	GW
ERH1546	Trip Blank	7/22/21	08:30	HST	~~0~~	X			X	X				
ERH1547	RHSF	7/22/21	08:40	HST	~~0~~	X			X	X	X	X	X*	TPH-DIO and PAHs need liquid-liquid extraction; * Naphthalene 1-Methylnaphthalene 2-Methylnaphthalene

WZ 7/22/2021

Date Shipped:

Carrier: FedEx

Waybill No.:

Comments:

Shuttle Temperature: R3C2.0/0.1, 5.0/3.1°C

Turnaround Requested: Check one
☐ Standard 2-3 wk ☒ One week ☐ 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	Date 7/22/21	Time 1500	Received by:

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 7-23-21	Time 9:50	Received at lab by:

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

See reverse side for Container Preservative and Sampling Information

CHAIN OF CUSTODY RECORD

APPL, Inc.
908 N Temperance Ave
Clovis, CA 93611

Phone: (559) 275-2175
Fax: (559) 275-4422

C.O.C. 50148 2/2

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

Project Name/Number: CV-18F0126/60571032
Purchase Order Number: 102604
Sampler (Print): ~~AMGS~~ AR for KL, MM, GM
Sampler (Signature):

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 w/SGC	PAHs Short List 8270 SIM	Comments
ERH1540	Trip Blank	7/22/21	10:15	HST	~~3~~	X			X	X				
ERH1541	RHMW01R	7/22/21	10:24	HST	~~3~~	X			X	X	X	X	X*	See Other COCs
ERH1542	Trip Blank	7/22/21	11:10	HST	~~3~~	X			X	X				
ERH1543	RHMW02	7/22/21	11:14	HST	~~3~~	X			X	X	X	X	X*	
ERH1544	Trip Blank	7/22/21	12:08	HST	4	X			X	X				
ERH1545	RHMW03	7/22/21	12:12	HST	8	X			X	X	X	X	X*	
ERH1546	Trip Blank	7/22/21	08:30	HST	4	X			X	X				
ERH1547	RHSF	7/22/21	08:40	HST	8	X			X	X	X	X	X*	TPH-D/O and PAHs need liquid-liquid extraction; * Naphthalene 1-Methylnaphthalene 2-Methylnaphthalene

Date Shipped: 7/22/21
Carrier: FedEx
Waybill No.:
Comments:

Shuttle Temperature:

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

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

Relinquished by sampler:	Date	Time	Received by:
Relinquished by: Alethea Ramos	Date 7/22/21	Time 15:00	Received by:

Relinquished by:	Date	Time	Received by:
Relinquished by:	Date 7-23-21	Time 950	Received at lab by:

White: Return to client with report Yellow: Laboratory Copy Pink: Sampler

See reverse side for Container Preservative and Sampling Information

COOLER RECEIPT FORM **ARF: 96919**

1) Project: 60571032 CV18F0126 Red Hill Fuel Storage Date Received: 07/23/21

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: 2.0/0.1 2: 5.0/3.1 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: ____
Smaller than a pea: BA36550w03-04

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:

We received no HCL ambers for ERH1543.

CUSTODY SEAL
APPL, Inc. (559),275-2175
Initials WZ Date 7/23/21

Personnel receiving samples: MS Second reviewer: ____
Personnel labeling samples: MS
Project manager notified: MS Date/Time of notification 07/23/21
Name of client notified: ____ Date/Time of notification ____

SAMPLE RESULTS

EPA 8015B TPH WATER L-L SGC

AECOM
1001 Bishop Street, Suite 1600
Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1541

APPL ID: BA36547

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B1-269762

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	07/28/21	09/30/21
EPA 8015B-e	OIL (C24-C40)	180 B J	320	300.0	150.0	ug/L	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	134	60-142			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	110	56-125			%	07/28/21	09/30/21

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

Quant Method:	DEC0911.M
Run #:	928077
Instrument:	Apollo
Sequence:	210928
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1541

APPL ID: BA36547

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B-268138

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	300 J	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	280 B J	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	117	60-142			%	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	87.2	56-125			%	07/28/21	08/09/21

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

Quant Method:	DOC0702.M
Run #:	808069
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1541 BLANK

APPL ID: BA36548

Sample Collection Date: 07/22/21

QCG: #RHBLK-210727A-266795

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	07/28/21	08/05/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	124	60-142			%	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	90.8	56-125			%	07/28/21	08/05/21

Quant Method:	DOC0702.M
Run #:	802149
Instrument:	Apollo
Sequence:	210802
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH WATER L-L SGC

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1543

APPL ID: BA36550

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B1-269762

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	740	320	300.0	150.0	ug/L	07/28/21	09/30/21
EPA 8015B-e	OIL (C24-C40)	210 B J	320	300.0	150.0	ug/L	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	159 #	60-142			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	130 #	56-125			%	07/28/21	09/30/21

J = Estimated value.
B = The analyte was found in a method blank, as well as in the sample.
# = Recovery (or RPD) is outside QC limits.

Quant Method:	DEC0911.M
Run #:	928078
Instrument:	Apollo
Sequence:	210928
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1543

APPL ID: BA36550

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B-268138

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	2800	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	520 B	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	123	60-142			%	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	95.5	56-125			%	07/28/21	08/09/21

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

Quant Method:	DOC0702.M
Run #:	808070
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1543 BLANK

APPL ID: BA36551

Sample Collection Date: 07/22/21

QCG: #RHBLK-210727A-266795

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	07/28/21	08/05/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	120	60-142			%	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	88.3	56-125			%	07/28/21	08/05/21

Quant Method:	DOC0702.M
Run #:	802150
Instrument:	Apollo
Sequence:	210802
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH WATER L-L SGC

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1545

APPL ID: BA36553

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B1-269762

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	07/28/21	09/30/21
EPA 8015B-e	OIL (C24-C40)	270 B J	320	300.0	150.0	ug/L	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	124	60-142			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	108	56-125			%	07/28/21	09/30/21

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

Quant Method:	DEC0911.M
Run #:	928079
Instrument:	Apollo
Sequence:	210928
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1545

APPL ID: BA36553

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B-268138

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8015B-e	DIESEL (C10-C24)	390	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	570 B	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	114	60-142			%	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	88.4	56-125			%	07/28/21	08/09/21

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

Quant Method:	DOC0702.M
Run #:	808071
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1545 BLANK

APPL ID: BA36554

Sample Collection Date: 07/22/21

QCG: #RHBLK-210727A-266795

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	07/28/21	08/05/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	118	60-142			%	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	86.8	56-125			%	07/28/21	08/05/21

Quant Method:	DOC0702.M
Run #:	802151
Instrument:	Apollo
Sequence:	210802
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH WATER L-L SGC

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1547

APPL ID: BA36556

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B1-269762

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	07/28/21	09/30/21
EPA 8015B-e	OIL (C24-C40)	320 B	320	300.0	150.0	ug/L	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: (R) DECANOIC ACID (S)	0.0	0-1			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	91.4	60-142			%	07/28/21	09/30/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	71.5	56-125			%	07/28/21	09/30/21

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

Quant Method:	DEC0911.M
Run #:	928080
Instrument:	Apollo
Sequence:	210928
Dilution Factor:	1
Initials:	KAB

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

EPA 8015B TPH LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1547

APPL ID: BA36556

Sample Collection Date: 07/22/21

QCG: #DOC53-210728B-268138

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	07/28/21	08/09/21
EPA 8015B-e	OIL (C24-C40)	400 B	320	300.0	150.0	ug/L	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	90.0	60-142			%	07/28/21	08/09/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	64.6	56-125			%	07/28/21	08/09/21

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

Quant Method:	DOC0702.M
Run #:	808069
Instrument:	Apollo
Sequence:	210808
Dilution Factor:	1
Initials:	LA

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

EPA 8015B TPH LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1547 BLANK

APPL ID: BA36557

Sample Collection Date: 07/22/21

QCG: #RHBLK-210727A-266795

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	07/28/21	08/05/21
EPA 8015B-e	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: OCTACOSANE (S)	124	60-142			%	07/28/21	08/05/21
EPA 8015B-e	SURROGATE: ORTHO-TERPHENYL (S)	91.1	56-125			%	07/28/21	08/05/21

Quant Method:	DOC0702.M
Run #:	802152
Instrument:	Apollo
Sequence:	210802
Dilution Factor:	1
Initials:	LA

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

EPA 8270D SIM LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1541

APPL ID: BA36547

Sample Collection Date: 07/22/21

QCG: #SIM53-210728A-266955

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	0.42	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	99.5	39-114			%	07/28/21	08/03/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	70.1	58-120			%	07/28/21	08/03/21

Quant Method: L0715.M
Run #: 0715L290
Instrument: Linus
Sequence: L210715
Dilution Factor: 1
Initials: LSI

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

EPA 8270D SIM LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1543

APPL ID: BA36550

Sample Collection Date: 07/22/21

QCG: #SIM53-210728A-266955

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
8270D-SIM	1-METHYLNAPHTHALENE	24	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	2-METHYLNAPHTHALENE	19	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	NAPHTHALENE	56	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	96.0	39-114			%	07/28/21	08/03/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	73.3	58-120			%	07/28/21	08/03/21

Quant Method:	L0715.M
Run #:	0715L291
Instrument:	Linus
Sequence:	L210715
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1545

APPL ID: BA36553

Sample Collection Date: 07/22/21

QCG: #SIM53-210728A-266955

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	07/28/21	08/03/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	81.7	39-114			%	07/28/21	08/03/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	48.5 #	58-120			%	07/28/21	08/03/21

= Recovery (or RPD) is outside QC limits.

Quant Method:	L0715.M
Run #:	0715L292
Instrument:	Linus
Sequence:	L210715
Dilution Factor:	1
Initials:	LSI

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

EPA 8270D SIM LIQ-LIQ

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Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1547

APPL ID: BA36556

Sample Collection Date: 07/22/21

QCG: #SIM53-210728A-266955

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	07/28/21	08/03/21
8270D-SIM	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
8270D-SIM	SURROGATE: 2-METHYLNAPHTHALEN	92.0	39-114			%	07/28/21	08/03/21
8270D-SIM	SURROGATE: FLUORANTHENE-D10 (S	93.6	58-120			%	07/28/21	08/03/21

Quant Method:	L0715.M
Run #:	0715L293
Instrument:	Linus
Sequence:	L210715
Dilution Factor:	1
Initials:	LSI

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

EPA 8260B BTEX WATER

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Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1540

APPL ID: BA36546

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	110	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.2	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	103	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M08
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:03:33 PM
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: 96919

Sample ID: ERH1541

APPL ID: BA36547

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	106	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.6	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	105	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.6	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M09
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

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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: 96919

Sample ID: ERH1542

APPL ID: BA36549

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	114	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	110	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.5	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M10
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:03:33 PM

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: 96919

Sample ID: ERH1543

APPL ID: BA36550

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	113	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.2	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M11
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:03:33 PM
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: 96919

Sample ID: ERH1544

APPL ID: BA36552

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	112	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	103	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	100.0	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M12
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:03:33 PM
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: 96919

Sample ID: ERH1545

APPL ID: BA36553

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	110	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	104	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	101	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M13
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:03:33 PM
APPL-F1-SC-NoMC-REG MDLs-DOD

EPA 8260B BTEX WATER

AECOM
1001 Bishop Street, Suite 1600
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1546

APPL ID: BA36555

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	110	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	98.1	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M14
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

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EPA 8260B BTEX WATER

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1001 Bishop Street, Suite 1600
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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1547

APPL ID: BA36556

Sample Collection Date: 07/22/21

QCG: #86BTO-210727AM-266617

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	07/27/21	07/27/21
EPA 8260B	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
EPA 8260B	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 1,2-DICHLOROETHANE-	111	81-118			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.8	85-114			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: DIBROMOFLUOROMETH	106	80-119			%	07/27/21	07/27/21
EPA 8260B	SURROGATE: TOLUENE-D8 (S)	99.4	89-112			%	07/27/21	07/27/21

Quant Method: M0721W.M
Run #: 0727M15
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

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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: 96919

Sample ID: ERH1540

APPL ID: BA36546

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	99.2	85-114			%	07/27/21	07/27/21

Quant Method: MGAS0721.M
Run #: 0727M08
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

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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: 96919

Sample ID: ERH1541

APPL ID: BA36547

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.6	85-114			%	07/27/21	07/27/21

Quant Method: MGAS0721.M
Run #: 0727M09
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

Printed: 08/03/21 12:06:23 PM
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: 96919

Sample ID: ERH1542

APPL ID: BA36549

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	102	85-114			%	07/27/21	07/27/21

Quant Method:	MGAS0721.M
Run #:	0727M10
Instrument:	Max
Sequence:	210721
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1543

APPL ID: BA36550

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

Method	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
EPA 8260B	GASOLINE RANGE ORGANICS	22	20	18.0	8.6	ug/L	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	98.2	85-114			%	07/27/21	07/27/21

Quant Method:	MGAS0721.M
Run #:	0727M11
Instrument:	Max
Sequence:	210721
Dilution Factor:	1
Initials:	JPR

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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: 96919

Sample ID: ERH1544

APPL ID: BA36552

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	07/27/21	07/27/21

Quant Method: MGAS0721.M
Run #: 0727M12
Instrument: Max
Sequence: 210721
Dilution Factor: 1
Initials: JPR

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

EPA 8260B GRO WATER

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Honolulu, HI 96813

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1545

APPL ID: BA36553

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	101	85-114			%	07/27/21	07/27/21

Quant Method:	MGAS0721.M
Run #:	0727M13
Instrument:	Max
Sequence:	210721
Dilution Factor:	1
Initials:	JPR

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

EPA 8260B GRO WATER

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APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Attn: Alethea Ramos

Project: 60571032 CV18F0126 Red Hill Fuel Storage

ARF: 96919

Sample ID: ERH1546

APPL ID: BA36555

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.9	85-114			%	07/27/21	07/27/21

Quant Method:	MGAS0721.M
Run #:	0727M14
Instrument:	Max
Sequence:	210721
Dilution Factor:	1
Initials:	JPR

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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: 96919

Sample ID: ERH1547

APPL ID: BA36556

Sample Collection Date: 07/22/21

QCG: #GRO86-210727AM-266618

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	07/27/21	07/27/21
EPA 8260B	SURROGATE: 4-BROMOFLUOROBENZ	97.8	85-114			%	07/27/21	07/27/21

Quant Method:	MGAS0721.M
Run #:	0727M15
Instrument:	Max
Sequence:	210721
Dilution Factor:	1
Initials:	JPR

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

QC FORMS

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210728B-BLK	Blank	60-142	121		56-125	89.3	
210728B-LCS	Lab Control Spike	60-142	117		56-125	96.0	
210728B-LCSD	Lab Control SpikeD	60-142	123		56-125	101	
BA36547	ERH1541	60-142	117		56-125	87.2	
BA36556	ERH1547	60-142	90.0		56-125	64.6	
BA36550	ERH1543	60-142	123		56-125	95.5	
BA36553	ERH1545	60-142	114		56-125	88.4	

Comments: Batch: #DOC53-210728B

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 9/30/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: (R) DECANOIC ACID (S)			SURROGATE: OCTACOSANE (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210728B1-BLK	Blank	0-1	0.0		60-142	123	
210728B1-LCS	Lab Control Spike	0-1	0.0		60-142	161	*
210728B1-LCSD	Lab Control SpikeD	0-1	0.0		60-142	176	*
BA36547	ERH1541	0-1	0.0		60-142	134	
BA36550	ERH1543	0-1	0.0		60-142	159	#
BA36553	ERH1545	0-1	0.0		60-142	124	
BA36556	ERH1547	0-1	0.0		60-142	91.4	

Comments: Batch: #DOC53-210728B1

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 9/30/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: ORTHO-TERPHENYL (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210728B1-BLK	Blank	56-125	99.7				
210728B1-LCS	Lab Control Spike	56-125	146	*			
210728B1-LCSD	Lab Control SpikeD	56-125	159	*			
BA36547	ERH1541	56-125	110				
BA36550	ERH1543	56-125	130	#			
BA36553	ERH1545	56-125	108				
BA36556	ERH1547	56-125	71.5				

Comments: Batch: #DOC53-210728B1

* = Recovery outside of Control Limits on QC Sample.

= Recovery outside of Control Limits on Sample.

EPA 8015B-eHL

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 8/5/2021

Matrix: WATER Instrument: Apollo

APPL ID.	Client Sample No.	SURROGATE: OCTACOSANE (S)			SURROGATE: ORTHO-TERPHENYL (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210727A-BLK	Blank	60-142	117		56-125	86.8	
210727A-LCS	Lab Control Spike	60-142	117		56-125	86.7	
210727A-LCSD	Lab Control SpikeD	60-142	120		56-125	86.7	
BA36548	ERH1541 BLANK	60-142	124		56-125	90.8	
BA36551	ERH1543 BLANK	60-142	120		56-125	88.3	
BA36554	ERH1545 BLANK	60-142	118		56-125	86.8	
BA36557	ERH1547 BLANK	60-142	124		56-125	91.1	

Comments: Batch: #RHBLK-210727A

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 8/9/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210728B-BLK Time Analyzed: 2015

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728B-BLK	Blank	808066	8/9/2021 2015
210728B-LCS	Lab Control Spike	808067	8/9/2021 2043
210728B-LCSD	Lab Control SpikeD	808068	8/9/2021 2111
BA36547	ERH1541	808069	8/9/2021 2140
BA36556	ERH1547	808069	8/9/2021 2305
BA36550	ERH1543	808070	8/9/2021 2208
BA36553	ERH1545	808071	8/9/2021 2236

Comments: Batch: #DOC53-210728B

EPA 8015B-eH

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 9/30/2021

Matrix: WATER Instrument: Apollo

Blank ID: 210728B1-BLK Time Analyzed: 0323

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728B1-BLK	Blank	928074	9/30/2021 0323
210728B1-LCS	Lab Control Spike	928075	9/30/2021 0351
210728B1-LCSD	Lab Control SpikeD	928076	9/30/2021 0419
BA36547	ERH1541	928077	9/30/2021 0447
BA36550	ERH1543	928078	9/30/2021 0515
BA36553	ERH1545	928079	9/30/2021 0543
BA36556	ERH1547	928080	9/30/2021 0611

Comments: Batch: #DOC53-210728B1

EPA 8015B-eH

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	96919
Case No:	96919	Date Analyzed:	8/5/2021
Matrix:	WATER	Instrument:	Apollo
Blank ID:	210727A-BLK	Time Analyzed:	1836

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727A-BLK	Blank	802146	8/5/2021 1836
210727A-LCS	Lab Control Spike	802147	8/5/2021 1904
210727A-LCSD	Lab Control SpikeD	802148	8/5/2021 1932
BA36548	ERH1541 BLANK	802149	8/5/2021 2001
BA36551	ERH1543 BLANK	802150	8/5/2021 2029
BA36554	ERH1545 BLANK	802151	8/5/2021 2058
BA36557	ERH1547 BLANK	802152	8/5/2021 2126

Comments: Batch: #RHBLK-210727A

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210727W-36548 - 266795**
Batch ID: #RHBLK-210727A

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	7/28/2021	8/5/2021
BLANK	OIL (C24-C40)	300.0 U	320	300.0	150.0	ug/L	7/28/2021	8/5/2021
BLANK	SURROGATE: OCTACOSANE (S)	117	60-142			%	7/28/2021	8/5/2021
BLANK	SURROGATE: ORTHO-TERPHEN	86.8	56-125			%	7/28/2021	8/5/2021

Quant Method: DOC0702.M
Run #: 802146
Instrument: Apollo
Sequence: 210802
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 1:48:12 PM

Method Blank
EPA 8015B TPH LIQ-LIQ

Blank Name/QCG: **210728W-36547 - 268138**
Batch ID: #DOC53-210728B

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	7/28/2021	8/9/2021
BLANK	OIL (C24-C40)	150 J	320	300.0	150.0	ug/L	7/28/2021	8/9/2021
BLANK	SURROGATE: OCTACOSANE (S)	121	60-142			%	7/28/2021	8/9/2021
BLANK	SURROGATE: ORTHO-TERPHEN	89.3	56-125			%	7/28/2021	8/9/2021

J = Estimated value.

Quant Method: DOC0702.M
Run #: 808066
Instrument: Apollo
Sequence: 210808
Initials: LA

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 1:48:12 PM

Method Blank
EPA 8015B TPH WATER L-L SGC

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210728W-36547 - 269762**
Batch ID: #DOC53-210728B1

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	7/28/2021	9/30/2021
BLANK	OIL (C24-C40)	200 J	320	300.0	150.0	ug/L	7/28/2021	9/30/2021
BLANK	SURROGATE: (R) DECANOIC AC	0.0	0-1			%	7/28/2021	9/30/2021
BLANK	SURROGATE: OCTACOSANE (S)	123	60-142			%	7/28/2021	9/30/2021
BLANK	SURROGATE: ORTHO-TERPHEN	99.7	56-125			%	7/28/2021	9/30/2021

J = Estimated value.

Quant Method: DEC0911.M
Run #: 928074
Instrument: Apollo
Sequence: 210928
Initials: KAB

GC SC-Blank-REG MDLs-DOD
Printed: 11/2/2021 1:48:12 PM

EPA 8015B-eH

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96919
Case No:	96919	Date Analyzed:	8/9/2021
Matrix:	WATER	Instrument:	Apollo
LCS ID:	210728B-LCS	Time Analyzed:	2043

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728B-BLK	Blank	808066	8/9/2021 2015
210728B-LCS	Lab Control Spike	808067	8/9/2021 2043
210728B-LCSD	Lab Control SpikeD	808068	8/9/2021 2111
BA36547	ERH1541	808069	8/9/2021 2140
BA36556	ERH1547	808069	8/9/2021 2305
BA36550	ERH1543	808070	8/9/2021 2208
BA36553	ERH1545	808071	8/9/2021 2236

Comments: Batch: #DOC53-210728B

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 9/30/2021

Matrix: WATER Instrument: Apollo

LCS ID: 210728B1-LCS Time Analyzed: 0351

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728B1-BLK	Blank	928074	9/30/2021 0323
210728B1-LCS	Lab Control Spike	928075	9/30/2021 0351
210728B1-LCSD	Lab Control SpikeD	928076	9/30/2021 0419
BA36547	ERH1541	928077	9/30/2021 0447
BA36550	ERH1543	928078	9/30/2021 0515
BA36553	ERH1545	928079	9/30/2021 0543
BA36556	ERH1547	928080	9/30/2021 0611

Comments: Batch: #DOC53-210728B1

EPA 8015B-eH

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 8/5/2021

Matrix: WATER Instrument: Apollo

LCS ID: 210727A-LCS Time Analyzed: 1904

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727A-BLK	Blank	802146	8/5/2021 1836
210727A-LCS	Lab Control Spike	802147	8/5/2021 1904
210727A-LCSD	Lab Control SpikeD	802148	8/5/2021 1932
BA36548	ERH1541 BLANK	802149	8/5/2021 2001
BA36551	ERH1543 BLANK	802150	8/5/2021 2029
BA36554	ERH1545 BLANK	802151	8/5/2021 2058
BA36557	ERH1547 BLANK	802152	8/5/2021 2126

Comments: Batch: #RHBLK-210727A

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210728W-36547 LCS - 268138**
Batch ID: #DOC53-210728B

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	1820	1840	91.0	92.0	36-132	1.1	30
OIL (C24-C40)	2000	1910	2030	95.5	102	41-113	6.1	30
SURROGATE: OCTACOSANE (S)	150	175	184	117	123	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	144	152	96.0	101	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0702.M	DOC0702.M
Extraction Date :	7/28/2021	7/28/2021
Analysis Date :	8/9/2021	8/9/2021
Instrument :	Apollo	Apollo
Run :	808067	808068
Initials :	LA	

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

APPL ID: **210728W-36547 LCS - 269762**
Batch ID: #DOC53-210728B1

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	2880	3020	144 #	151 #	36-132	4.7	30
OIL (C24-C40)	2000	3120	3430	156 #	172 #	41-113	9.5	30
SURROGATE: (R) DECANOIC ACID (S)	10.00	0	0	0.0	0.0	0-1		
SURROGATE: OCTACOSANE (S)	150	241	264	161 #	176 #	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	219	239	146 #	159 #	56-125		

= Recovery is outside QC limits.

Comments:

Primary	SPK	DUP
Quant Method :	DEC0911.M	DEC0911.M
Extraction Date :	7/28/2021	7/28/2021
Analysis Date :	9/30/2021	9/30/2021
Instrument :	Apollo	Apollo
Run :	928075	928076
Initials :	KAB	

Laboratory Control Spike Recoveries
EPA 8015B TPH LIQ-LIQ

APPL ID: **210728W-36548 LCS - 266795**
Batch ID: #RHBLK-210727A

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	102	79.9	NA	NA	36-132		30
OIL (C24-C40)	0	172	134	NA	NA	41-113		30
SURROGATE: OCTACOSANE (S)	150	176	180	117	120	60-142		
SURROGATE: ORTHO-TERPHENYL (S)	150	130	130	86.7	86.7	56-125		

Comments:

Primary	SPK	DUP
Quant Method :	DOC0702.M	DOC0702.M
Extraction Date :	7/28/2021	7/28/2021
Analysis Date :	8/5/2021	8/5/2021
Instrument :	Apollo	Apollo
Run :	802147	802148
Initials :	LA	

8270D-SIM

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 08/03/21

Matrix: WATER Instrument: Linus

APPL ID.	Client Sample No.	SURROGATE: 2-METHYLNAPHTHALENE-D10 (S)			SURROGATE: FLUORANTHENE-D10 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210728A-BLK	Blank	39-114	100		58-120	99.7	
210728A-LCSD	Lab Control SpikeD	39-114	89.2		58-120	97.0	
BA36547	ERH1541	39-114	99.5		58-120	70.1	
BA36550	ERH1543	39-114	96.0		58-120	73.3	
BA36553	ERH1545	39-114	81.7		58-120	48.5	#
BA36556	ERH1547	39-114	92.0		58-120	93.6	
210728A-LCS	Lab Control Spike	39-114	84.4		58-120	77.4	

Comments: Batch: #SIM53-210728A

= Recovery outside of Control Limits on Sample.

8270D-SIM

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 08/03/21

Matrix: WATER Instrument: Linus

Blank ID: 210728A-BLK Time Analyzed: 1310

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728A-BLK	Blank	0715L287	08/03/21 1310
210728A-LCSD	Lab Control SpikeD	0715L289	08/03/21 1354
BA36547	ERH1541	0715L290	08/03/21 1416
BA36550	ERH1543	0715L291	08/03/21 1438
BA36553	ERH1545	0715L292	08/03/21 1500
BA36556	ERH1547	0715L293	08/03/21 1523
210728A-LCS	Lab Control Spike	0715L295	08/03/21 1723

Comments: Batch: #SIM53-210728A

Method Blank
EPA 8270D SIM LIQ-LIQ

Blank Name/QCG: **210728W-36547 - 266955**
Batch ID: #SIM53-210728A

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Sample Type	Analyte	Result	LOQ	LOD	DL	Units	Extraction Date	Analysis Date
BLANK	1-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
BLANK	2-METHYLNAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
BLANK	NAPHTHALENE	0.10 U	0.2	0.10	0.04	ug/L	07/28/21	08/03/21
BLANK	SURROGATE: 2-METHYLNAPHT	100	39-114			%	07/28/21	08/03/21
BLANK	SURROGATE: FLUORANTHENE-	99.7	58-120			%	07/28/21	08/03/21

Quant Method:L0715.M
Run #:0715L287
Instrument:Linus
Sequence:L210715
Initials:LSI

GC SC-Blank-REG MDLs-DOD
Printed: 08/12/21 10:22:21 AM

8270D-SIM

Form 4

LCS Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 08/03/21

Matrix: WATER Instrument: Linus

LCS ID: 210728A-LCS Time Analyzed: 1723

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210728A-BLK	Blank	0715L287	08/03/21 1310
210728A-LCSD	Lab Control SpikeD	0715L289	08/03/21 1354
BA36547	ERH1541	0715L290	08/03/21 1416
BA36550	ERH1543	0715L291	08/03/21 1438
BA36553	ERH1545	0715L292	08/03/21 1500
BA36556	ERH1547	0715L293	08/03/21 1523
210728A-LCS	Lab Control Spike	0715L295	08/03/21 1723

Comments: Batch: #SIM53-210728A

Laboratory Control Spike Recoveries
EPA 8270D SIM LIQ-LIQ

APPL ID: **210728W-36547 LCS - 266955**
Batch ID: #SIM53-210728A

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
1-METHYLNAPHTHALENE	5.00	4.29	4.58	85.8	91.6	41-115	6.5	20
2-METHYLNAPHTHALENE	5.00	4.36	4.67	87.2	93.4	39-114	6.9	20
NAPHTHALENE	5.00	4.19	4.33	83.8	86.6	43-114	3.3	20
SURROGATE: 2-METHYLNAPHTHALEN	5.00	4.22	4.46	84.4	89.2	39-114		
SURROGATE: FLUORANTHENE-D10 (S)	5.00	3.87	4.85	77.4	97.0	58-120		

Comments:

Primary	SPK	DUP
Quant Method :	L0715.M	L0715.M
Extraction Date :	07/28/21	07/28/21
Analysis Date :	08/03/21	08/03/21
Instrument :	Linus	Linus
Run :	0715L295	0715L289
Initials :	LSI	

Printed: 08/12/21 10:22:15 AM
APPL Standard LCSD

Form 5
Tune Summary

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Linus
Time Analyzed: 8:48

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.1 SIM 07/08/21	0715L004.D	07/15/21 9:04
2		0.2 SIM 07/08/21	0715L005.D	07/15/21 9:26
3		0.5 SIM 07/08/21	0715L006.D	07/15/21 9:48
4		1 SIM 07/08/21	0715L007.D	07/15/21 10:10
5		5 SIM 07/08/21	0715L008.D	07/15/21 10:32
6		10 SIM 07/08/21	0715L009.D	07/15/21 10:55
7		50 SIM 07/08/21	0715L010.D	07/15/21 11:17
8		100 SIM 07/08/21	0715L011.D	07/15/21 11:39
9		SS SIM 07/08/21	0715L012.D	07/15/21 12:01
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

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: 96919
Case No: 96919 Date Analyzed: 08/03/21
Matrix: Water Instrument: Linus
ID: 0715L278.D Time Analyzed: 9:54

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		5 SIM 07/08/21 (3)	0715L279.D	08/03/21 10:10
2	Blank	210728A BLK 1/1000	0715L287.D	08/03/21 13:10
3	Lab Control SpikeD	210728A LCSD-1 1/100	0715L289.D	08/03/21 13:54
4	ERH1541	BA36547W05 1/880	0715L290.D	08/03/21 14:16
5	ERH1543	BA36550W05 1/900	0715L291.D	08/03/21 14:38
6	ERH1545	BA36553W06 1/860	0715L292.D	08/03/21 15:00
7	ERH1547	BA36556W06 1/890	0715L293.D	08/03/21 15:23
8	Lab Control Spike	210728A LCS-1 1/1000	0715L295.D	08/03/21 17:23
9		5 SIM 07/08/21 (4)	0715L296.D	08/03/21 17:45
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
51	9.95 - 80.1% of mass 198	53.4
68	0 - 2.05% of mass 69	0.0
70	0 - 2% of mass 69	0.6
127	10 - 80% of mass 198	59.8
197	0 - 2% of mass 198	0.0
198	100 - 100% of mass 198	100.0
199	5 - 9% of mass 198	6.9
275	10 - 60% of mass 198	21.4
365	1 - 100% of mass 198	3.1
441	0.01 - 24% of mass 442	16.7
442	50 - 500% of mass 198	75.7
443	15 - 24% of mass 442	18.8

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0715L279.D Date Analyzed: 3 Aug 21 10:10

Instrument ID: Linus Time Analyzed: 3 Aug 21 10:10

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

		Chrysene-D12(IS)		Perylene-D12(IS)			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
	12 HOUR STD	42761	10.87	35552	13.25		
	UPPER LIMIT	85522	11.04	71104	13.42		
	LOWER LIMIT	21381	10.70	17776	13.08		
	SAMPLE NO.						
01	210728A BLK 1/1000	53600	10.87	49273	13.25		
02	210728A LCSD-1 1/100	53120	10.87	48204	13.25		
03	BA36547W05 1/880	53481	10.87	48892	13.25		
04	BA36550W05 1/900	55926	10.87	51561	13.25		
05	BA36553W06 1/860	51950	10.87	47990	13.25		
06	BA36556W06 1/890	56010	10.87	49788	13.25		
07	210728A LCS-1 1/1000	73415	10.88	66079	13.26		
08	5 SIM 07/08/21 (4)	47916	10.87	41821	13.25		
09							
10							
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.

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0715L279.D Date Analyzed: 3 Aug 21 10:10

Instrument ID: Linus Time Analyzed: 3 Aug 21 10:10

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	40478	4.05	19174	6.05	29734	7.76
	UPPER LIMIT	80956	4.22	38348	6.22	59468	7.93
	LOWER LIMIT	20239	3.88	9587	5.88	14867	7.59
	SAMPLE NO.						
01	210728A BLK 1/1000	37483	4.05	18665	6.04	35012	7.76
02	210728A LCSD-1 1/100	37149	4.05	18614	6.04	34119	7.76
03	BA36547W05 1/880	37169	4.05	19190	6.04	34557	7.76
04	BA36550W05 1/900	39968	4.05	20937	6.05	36284	7.76
05	BA36553W06 1/860	39964	4.05	20020	6.04	34220	7.76
06	BA36556W06 1/890	43364	4.05	21275	6.05	36861	7.76
07	210728A LCS-1 1/1000	54172	4.05	26699	6.05	48763	7.77
08	5 SIM 07/08/21 (4)	43068	4.05	20399	6.04	32718	7.76
09							
10							
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: 96919

Case No: 96919 Date Analyzed: 07/27/21

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
210727AM-LCS	Lab Control Spike	81-118	113		85-114	101	
210727AM-LCSD	Lab Control SpikeD	81-118	108		85-114	105	
210727AM-BLK	Blank	81-118	109		85-114	99.1	
BA36546	ERH1540	81-118	110		85-114	99.2	
BA36547	ERH1541	81-118	106		85-114	98.6	
BA36549	ERH1542	81-118	114		85-114	102	
BA36550	ERH1543	81-118	113		85-114	98.2	
BA36552	ERH1544	81-118	112		85-114	97.9	
BA36553	ERH1545	81-118	110		85-114	101	
BA36555	ERH1546	81-118	110		85-114	97.9	
BA36556	ERH1547	81-118	111		85-114	97.8	

Comments: Batch: #86BTO-210727AM

EPA 8260B

Form 2 & 8

Surrogate Recovery

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 07/27/21

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: DIBROMOFLUOROMETHANE (S)			SURROGATE: TOLUENE-D8 (S)		
		Limits	Result	Qualifier	Limits	Result	Qualifier
210727AM-LCS	Lab Control Spike	80-119	104		89-112	102	
210727AM-LCSD	Lab Control SpikeD	80-119	101		89-112	103	
210727AM-BLK	Blank	80-119	103		89-112	98.7	
BA36546	ERH1540	80-119	106		89-112	103	
BA36547	ERH1541	80-119	105		89-112	99.6	
BA36549	ERH1542	80-119	110		89-112	99.5	
BA36550	ERH1543	80-119	106		89-112	100	
BA36552	ERH1544	80-119	103		89-112	100.0	
BA36553	ERH1545	80-119	104		89-112	101	
BA36555	ERH1546	80-119	106		89-112	98.1	
BA36556	ERH1547	80-119	106		89-112	99.4	

Comments: Batch: #86BTO-210727AM

EPA 8260B

Form 4

Blank Summary

Lab Name:	APPL, Inc.	SDG No:	96919
Case No:	96919	Date Analyzed:	07/27/21
Matrix:	WATER	Instrument:	Max
Blank ID:	210727AM-BLK	Time Analyzed:	1448

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727AM-LCS	Lab Control Spike	0727M03	07/27/21 1257
210727AM-LCSD	Lab Control SpikeD	0727M04	07/27/21 1324
210727AM-BLK	Blank	0727M07	07/27/21 1448
BA36546	ERH1540	0727M08	07/27/21 1516
BA36547	ERH1541	0727M09	07/27/21 1544
BA36549	ERH1542	0727M10	07/27/21 1612
BA36550	ERH1543	0727M11	07/27/21 1640
BA36552	ERH1544	0727M12	07/27/21 1708
BA36553	ERH1545	0727M13	07/27/21 1736
BA36555	ERH1546	0727M14	07/27/21 1804
BA36556	ERH1547	0727M15	07/27/21 1832

Comments: Batch: #86BTO-210727AM

Method Blank
EPA 8260B BTEX WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210727W-36546 - 266617**
Batch ID: #86BTO-210727AM

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	07/27/21	07/27/21
BLANK	ETHYLBENZENE	0.50 U	1.0	0.50	0.23	ug/L	07/27/21	07/27/21
BLANK	TOLUENE	0.30 U	1.0	0.30	0.15	ug/L	07/27/21	07/27/21
BLANK	XYLENES (TOTAL)	0.30 U	2.0	0.30	0.15	ug/L	07/27/21	07/27/21
BLANK	SURROGATE: 1,2-DICHLOROET	109	81-118			%	07/27/21	07/27/21
BLANK	SURROGATE: 4-BROMOFLUORO	99.1	85-114			%	07/27/21	07/27/21
BLANK	SURROGATE: DIBROMOFLUOR	103	80-119			%	07/27/21	07/27/21
BLANK	SURROGATE: TOLUENE-D8 (S)	98.7	89-112			%	07/27/21	07/27/21

Quant Method:M0721W.M
Run #:0727M07
Instrument:Max
Sequence:210721
Initials:JPR

GC SC-Blank-REG MDLs-DOD
Printed: 08/03/21 12:03:40 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96919
Case No:	96919	Date Analyzed:	07/27/21
Matrix:	WATER	Instrument:	Max
LCS ID:	210727AM-LCS	Time Analyzed:	1257

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727AM-LCS	Lab Control Spike	0727M03	07/27/21 1257
210727AM-LCSD	Lab Control SpikeD	0727M04	07/27/21 1324
210727AM-BLK	Blank	0727M07	07/27/21 1448
BA36546	ERH1540	0727M08	07/27/21 1516
BA36547	ERH1541	0727M09	07/27/21 1544
BA36549	ERH1542	0727M10	07/27/21 1612
BA36550	ERH1543	0727M11	07/27/21 1640
BA36552	ERH1544	0727M12	07/27/21 1708
BA36553	ERH1545	0727M13	07/27/21 1736
BA36555	ERH1546	0727M14	07/27/21 1804
BA36556	ERH1547	0727M15	07/27/21 1832

Comments: Batch: #86BTO-210727AM

Laboratory Control Spike Recoveries
EPA 8260B BTEX WATER

APPL ID: **210727W-36546 LCS - 266617**
Batch ID: #86BTO-210727AM

APPL Inc.
908 North Temperance Avenue
Clovis, CA 93611

Compound Name	Spike Lvl ug/L	SPK Result ug/L	DUP Result ug/L	SPK % Recovery	DUP % Recovery	Recovery Limits	RPD %	RPD Limits
BENZENE	10.00	9.55	10.1	95.5	101	79-120	5.6	20
ETHYLBENZENE	10.00	10.3	10.7	103	107	79-121	3.8	20
TOLUENE	10.00	10.1	10.3	101	103	80-121	2.0	20
XYLENES (TOTAL)	30.0	30.2	31.7	101	106	79-121	4.8	20
SURROGATE: 1,2-DICHLOROETHANE-D	25.0	28.3	27.1	113	108	81-118		
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.3	26.3	101	105	85-114		
SURROGATE: DIBROMOFLUOROMETH	25.0	26.1	25.3	104	101	80-119		
SURROGATE: TOLUENE-D8 (S)	25.0	25.4	25.8	102	103	89-112		

Comments:

Primary	SPK	DUP
Quant Method :	M0721W.M	M0721W.M
Extraction Date :	07/27/21	07/27/21
Analysis Date :	07/27/21	07/27/21
Instrument :	Max	Max
Run :	0727M03	0727M04
Initials :	JPR	

Printed: 08/03/21 12:03:45 PM
APPL Standard LCSD

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No:
Case No: Date Analyzed: 7/21/2021
Matrix: Water Instrument: Max
ID: 0721M01.D Time Analyzed: 13:42

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		0.3ug/L VOC STD 7/21	0721M02.D	7/21/2021 14:09
2		0.5ug/L VOC STD 7/21	0721M03.D	7/21/2021 14:38
3		1ug/L VOC STD 7/21/2	0721M04.D	7/21/2021 15:06
4		2ug/L VOC STD 7/21/2	0721M05.D	7/21/2021 15:34
5		5ug/L VOC STD 7/21/2	0721M06.D	7/21/2021 16:02
6		10ug/L VOC STD 7/21/	0721M07.D	7/21/2021 16:30
7		20ug/L VOC STD 7/21/	0721M08.D	7/21/2021 16:58
8		40ug/L VOC STD 7/21/	0721M09.D	7/21/2021 17:26
9		100ug/L VOC STD 7/21	0721M10.D	7/21/2021 17:54
10		(SS) 10ug/L VOC STD	0721M12.D	7/21/2021 18:50
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	52.4
95	100 - 200% of mass 95	100.0
96	5 - 9% of mass 95	6.9
173	0 - 2% of mass 174	0.0
174	50 - 200% of mass 95	112.6
175	5 - 9.02% of mass 174	7.5
176	94.9 - 101% of mass 174	99.0
177	5 - 9% of mass 176	6.4

Form 5
Tune Summary

Lab Name: APPL Inc. SDG No: 96919
Case No: 96919 Date Analyzed: 7/27/2021
Matrix: Water Instrument: Max
ID: 0727M01.D Time Analyzed: 12:01

	Client Sample No.	APPL ID.	File ID.	Date Analyzed
1		210727A CCV 10ug/L	0727M02.D	7/27/2021 12:29
2	Lab Control Spike	210727A LCS 10ug/L	0727M03.D	7/27/2021 12:57
3	Lab Control SpikeD	210727A LCSD 10ug/L	0727M04.D	7/27/2021 13:24
4	Blank	210727A BLK	0727M07.D	7/27/2021 14:48
5	ERH1540	BA36546W01	0727M08.D	7/27/2021 15:16
6	ERH1541	BA36547W01	0727M09.D	7/27/2021 15:44
7	ERH1542	BA36549W01	0727M10.D	7/27/2021 16:12
8	ERH1543	BA36550W01	0727M11.D	7/27/2021 16:40
9	ERH1544	BA36552W01	0727M12.D	7/27/2021 17:08
10	ERH1545	BA36553W01	0727M13.D	7/27/2021 17:36
11	ERH1546	BA36555W01	0727M14.D	7/27/2021 18:04
12	ERH1547	BA36556W01	0727M15.D	7/27/2021 18:32
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				

m/e		
50	15 - 40% of mass 95	20.3
75	30 - 60.04% of mass 95	53.4
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	131.2
175	5 - 9.02% of mass 174	8.0
176	94.9 - 101% of mass 174	97.6
177	5 - 9% of mass 176	6.7

8A
INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: APPL Inc. Contract:

Lab Code: SDG No.:

Lab File ID (Standard): 0721M08.D Date Analyzed: 07/21/21

Instrument ID: Max Time Analyzed: 16:58

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	233519	6.25	202149	9.44	132094	11.78
	UPPER LIMIT	467038	6.42	404298	9.61	264188	11.95
	LOWER LIMIT	116760	6.08	101075	9.27	66047	11.61
	SAMPLE NO.						
01	210727A CCV 10ug/L	193683	6.25	169951	9.45	111501	11.78
02	210727A LCS 10ug/L	194598	6.25	168234	9.44	110962	11.78
03	210727A LCSD 10ug/L	189738	6.25	162982	9.44	111911	11.78
04	210727A BLK	188076	6.25	165911	9.44	103707	11.78
05	BA36546W01	195737	6.25	165346	9.44	103316	11.78
06	BA36547W01	190396	6.25	162613	9.44	104066	11.78
07	BA36549W01	189722	6.25	164578	9.44	98568	11.78
08	BA36550W01	184185	6.25	158181	9.44	106460	11.78
09	BA36552W01	194613	6.25	165397	9.44	108073	11.78
10	BA36553W01	188253	6.25	160869	9.44	104642	11.78
11	BA36555W01	192430	6.25	165541	9.44	103869	11.78
12	BA36556W01	186508	6.25	164708	9.44	104097	11.78
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: 96919

Case No: 96919 Date Analyzed: 07/27/21

Matrix: WATER Instrument: Max

APPL ID.	Client Sample No.	SURROGATE: 4-BROMOFLUOROBENZENE (S)					
		Limits	Result	Qualifier	Limits	Result	Qualifier
210727AM-LCS	Lab Control Spike	85-114	101				
210727AM-LCSD	Lab Control SpikeD	85-114	101				
210727AM-BLK	Blank	85-114	99.1				
BA36546	ERH1540	85-114	99.2				
BA36547	ERH1541	85-114	98.6				
BA36549	ERH1542	85-114	102				
BA36550	ERH1543	85-114	98.2				
BA36552	ERH1544	85-114	97.9				
BA36553	ERH1545	85-114	101				
BA36555	ERH1546	85-114	97.9				
BA36556	ERH1547	85-114	97.8				

Comments: Batch: #GRO86-210727AM

EPA 8260B

Form 4

Blank Summary

Lab Name: APPL, Inc. SDG No: 96919

Case No: 96919 Date Analyzed: 07/27/21

Matrix: WATER Instrument: Max

Blank ID: 210727AM-BLK Time Analyzed: 1448

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727AM-LCS	Lab Control Spike	0727M05	07/27/21 1352
210727AM-LCSD	Lab Control SpikeD	0727M06	07/27/21 1420
210727AM-BLK	Blank	0727M07	07/27/21 1448
BA36546	ERH1540	0727M08	07/27/21 1516
BA36547	ERH1541	0727M09	07/27/21 1544
BA36549	ERH1542	0727M10	07/27/21 1612
BA36550	ERH1543	0727M11	07/27/21 1640
BA36552	ERH1544	0727M12	07/27/21 1708
BA36553	ERH1545	0727M13	07/27/21 1736
BA36555	ERH1546	0727M14	07/27/21 1804
BA36556	ERH1547	0727M15	07/27/21 1832

Comments: Batch: #GRO86-210727AM

Method Blank
EPA 8260B GRO WATER

APPL Inc.
908 North Temperance Avenu
Clovis, CA 93611

Blank Name/QCG: **210727W-36546 - 266618**
Batch ID: #GRO86-210727AM

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	07/27/21	07/27/21
BLANK	SURROGATE: 4-BROMOFLUORO	99.1	85-114			%	07/27/21	07/27/21

Quant Method:MGAS0721.M
Run #:0727M07
Instrument:Max
Sequence:210721
Initials:JPR

GC SC-Blank-REG MDLs-DOD
Printed: 08/03/21 12:06:31 PM

EPA 8260B

Form 4

LCS Summary

Lab Name:	APPL, Inc.	SDG No:	96919
Case No:	96919	Date Analyzed:	07/27/21
Matrix:	WATER	Instrument:	Max
LCS ID:	210727AM-LCS	Time Analyzed:	1352

APPL ID.	Client Sample No.	File ID.	Date Analyzed
210727AM-LCS	Lab Control Spike	0727M05	07/27/21 1352
210727AM-LCSD	Lab Control SpikeD	0727M06	07/27/21 1420
210727AM-BLK	Blank	0727M07	07/27/21 1448
BA36546	ERH1540	0727M08	07/27/21 1516
BA36547	ERH1541	0727M09	07/27/21 1544
BA36549	ERH1542	0727M10	07/27/21 1612
BA36550	ERH1543	0727M11	07/27/21 1640
BA36552	ERH1544	0727M12	07/27/21 1708
BA36553	ERH1545	0727M13	07/27/21 1736
BA36555	ERH1546	0727M14	07/27/21 1804
BA36556	ERH1547	0727M15	07/27/21 1832

Comments: Batch: #GRO86-210727AM

Laboratory Control Spike Recoveries
EPA 8260B GRO WATER

APPL ID: **210727W-36546 LCS - 266618**
Batch ID: #GRO86-210727AM

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	265	269	88.3	89.7	78-122	1.5	20
SURROGATE: 4-BROMOFLUOROBENZE	25.0	25.3	25.3	101	101	85-114		

Comments:

Primary	SPK	DUP
Quant Method :	MGAS0721.M	MGAS0721.M
Extraction Date :	07/27/21	07/27/21
Analysis Date :	07/27/21	07/27/21
Instrument :	Max	Max
Run :	0727M05	0727M06
Initials :	JPR	

ORGANICS
Calibration Data

TPH Extractables
DOC0702

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/02/21
Matrix: Water Instrument: Apollo
Initials: MB

			702005.D	702006.D	702007.D	702008.D	702009.D	702010.D	702011.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	3016894	1951949	2014939	2067917	2039722	2119264	2139867				2192936	17	HATM		
2	HBTM	Motor Oil (C24-C40)		1676406	1491952	1522421	1492860	1546113	1554117				1547312	4.4	HBTM		
3	SA	Ortho-Terphenyl(S)	2636466	2540006	2431557	2529925	2422677	2435838	2499496				2499423	3.1	SA		
4	SA	Octacosane(S)	1728504	1650255	1588691	1695307	1644244	1699403	1705536				1673134	2.9	SA		
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
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28																	
29																	
30																	
31																	
32																	
33																	
34																	
35																	

0.776978

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702005.D Vial: 5
Acq On : 7-2-21 14:35:23 Operator: MB
Sample : DMO STD-1 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

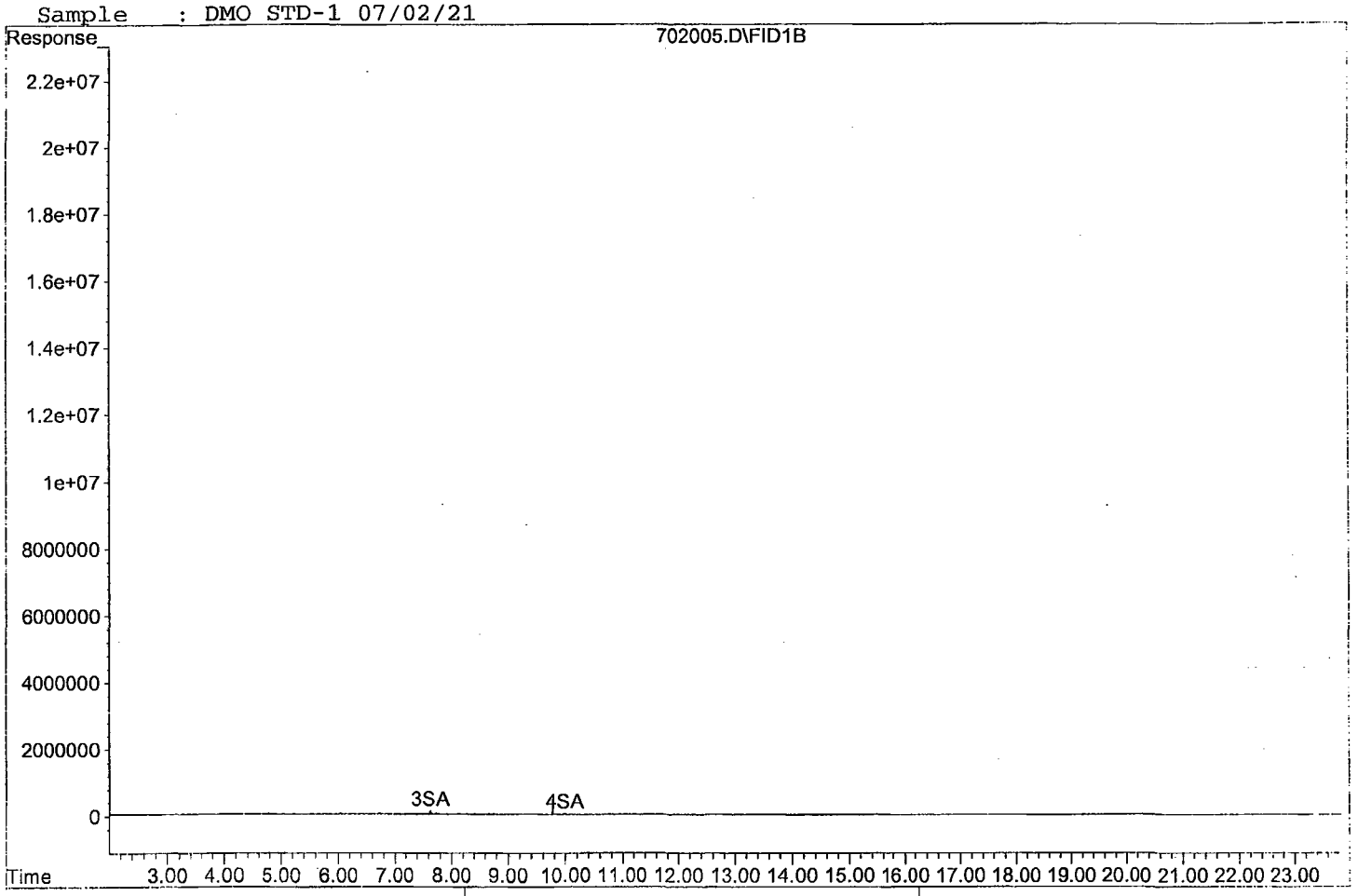
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

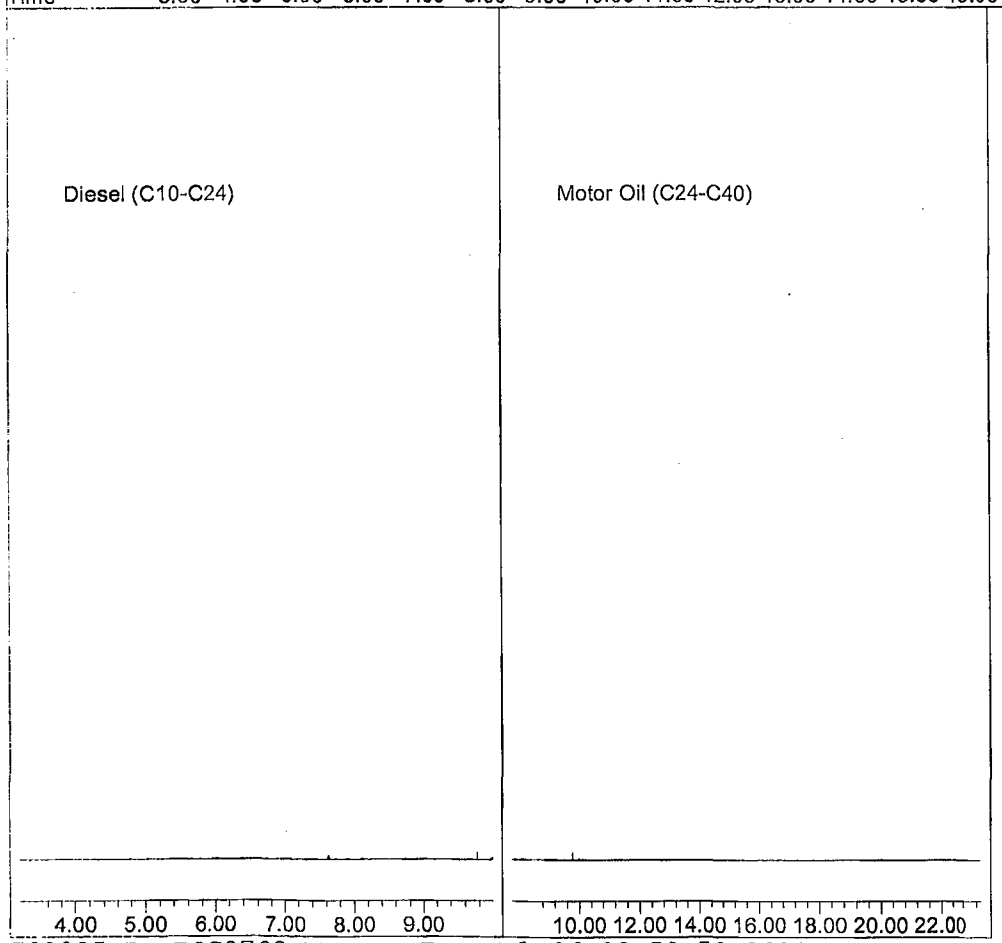
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1318233	0.264 ppb
Surrogate Spike 30.000	Recovery =		0.88%
4) SA Octacosane(S)	9.99	864252	0.258 ppb
Surrogate Spike 30.000	Recovery =		0.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	30168940	6.879 ppb
2) HBTM Motor Oil (C24-C40)	15.58	26926949	8.701 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702005.D
Sample : DMO STD-1 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702006.D Vial: 6
Acq On : 7-2-21 15:03:41 Operator: MB
Sample : DMO STD-2 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

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

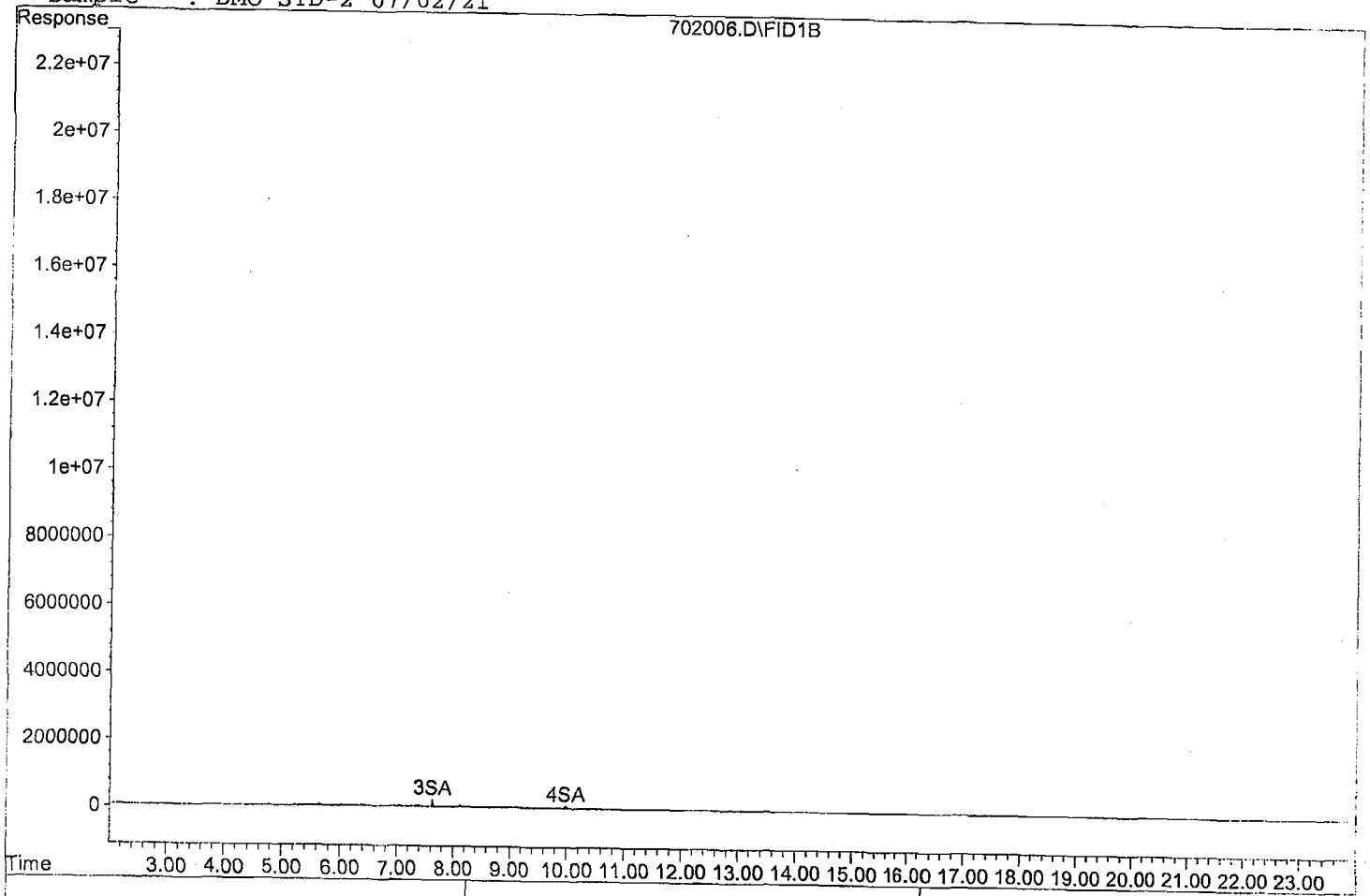
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2540006	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.99	1650255	0.493 ppb
Surrogate Spike 30.000	Recovery =		1.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	39038983	8.901 ppb
2) HBTM Motor Oil (C24-C40)	15.58	33528117	10.834 ppb

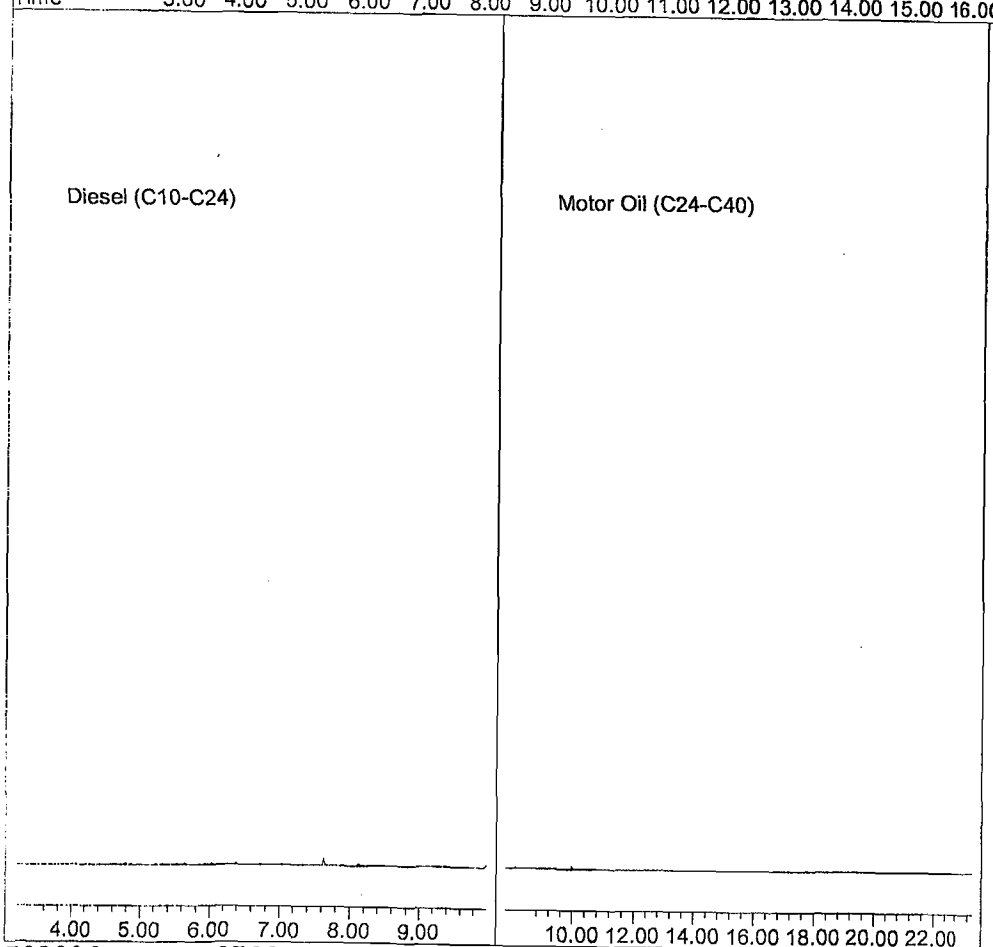
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702006.D
Sample : DMO STD-2 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702007.D Vial: 7
Acq On : 7-2-21 15:32:00 Operator: MB
Sample : DMO STD-3 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

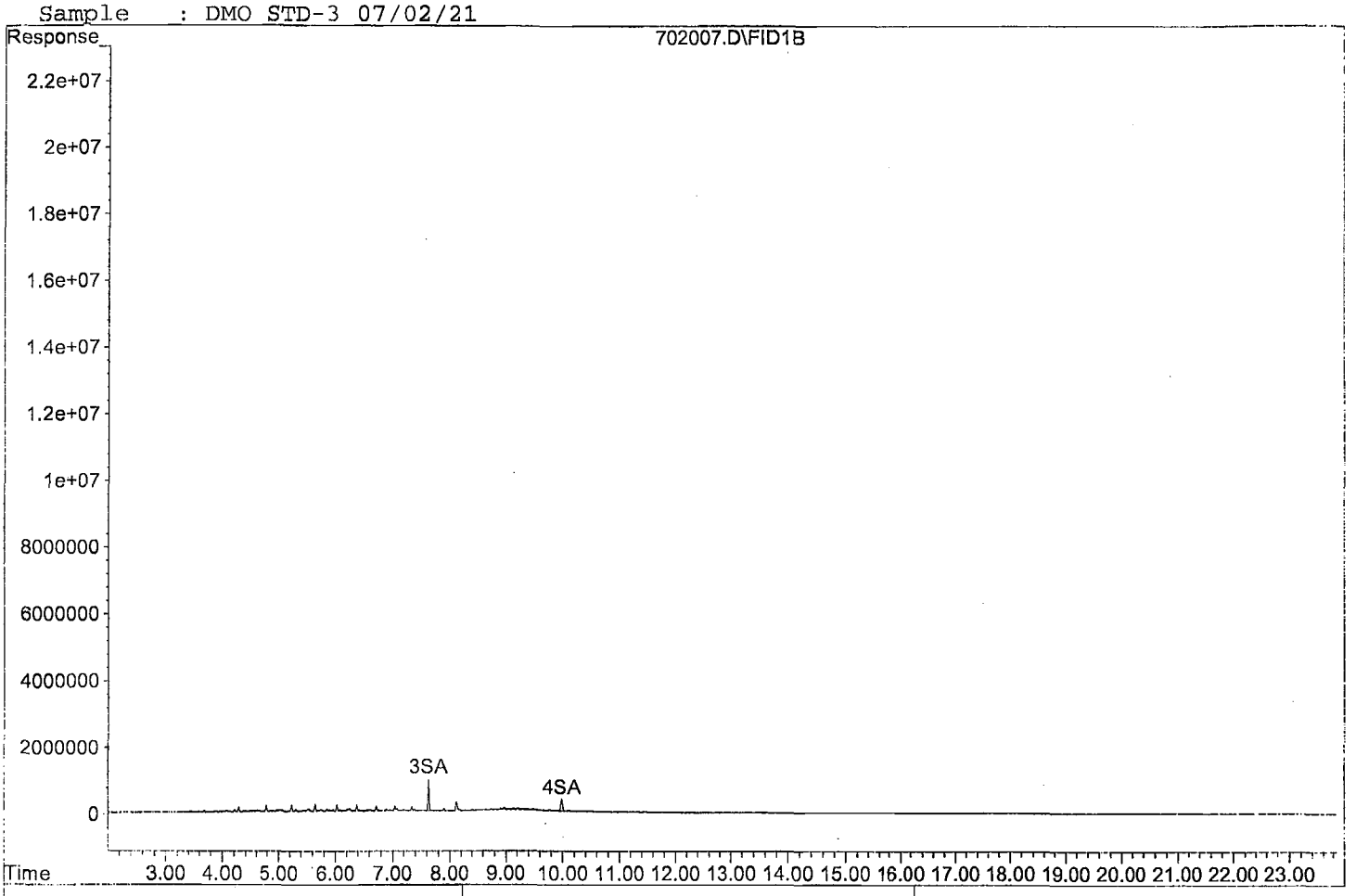
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

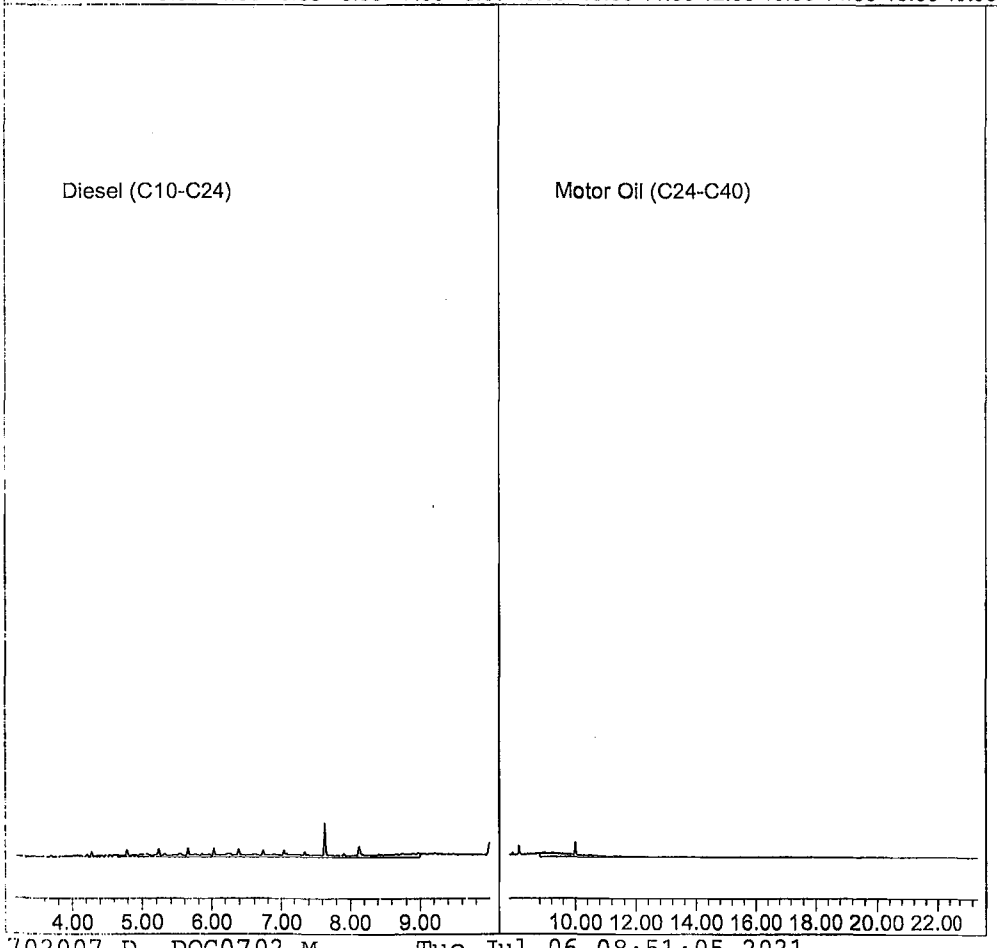
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	12157783	2.432 ppb
Surrogate Spike 30.000	Recovery =		8.11%
4) SA Octacosane(S)	9.99	7943456	2.374 ppb
Surrogate Spike 30.000	Recovery =		7.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	201493934	45.942 ppb
2) HBTM Motor Oil (C24-C40)	15.58	149195183	48.211 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702007.D
Sample : DMO STD-3 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702008.D Vial: 8
Acq On : 7-2-21 16:01:03 Operator: MB
Sample : DMO STD-4 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

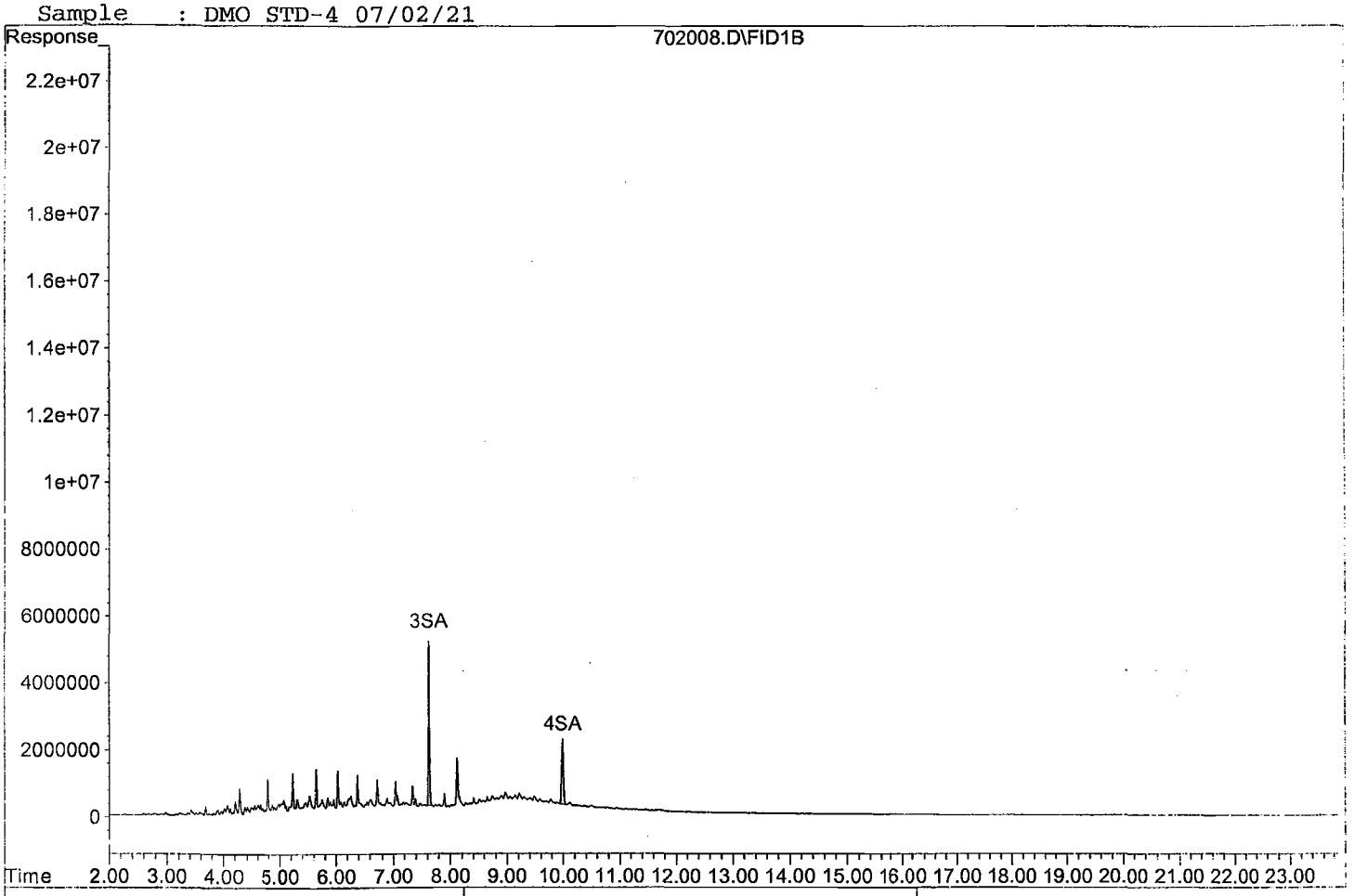
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

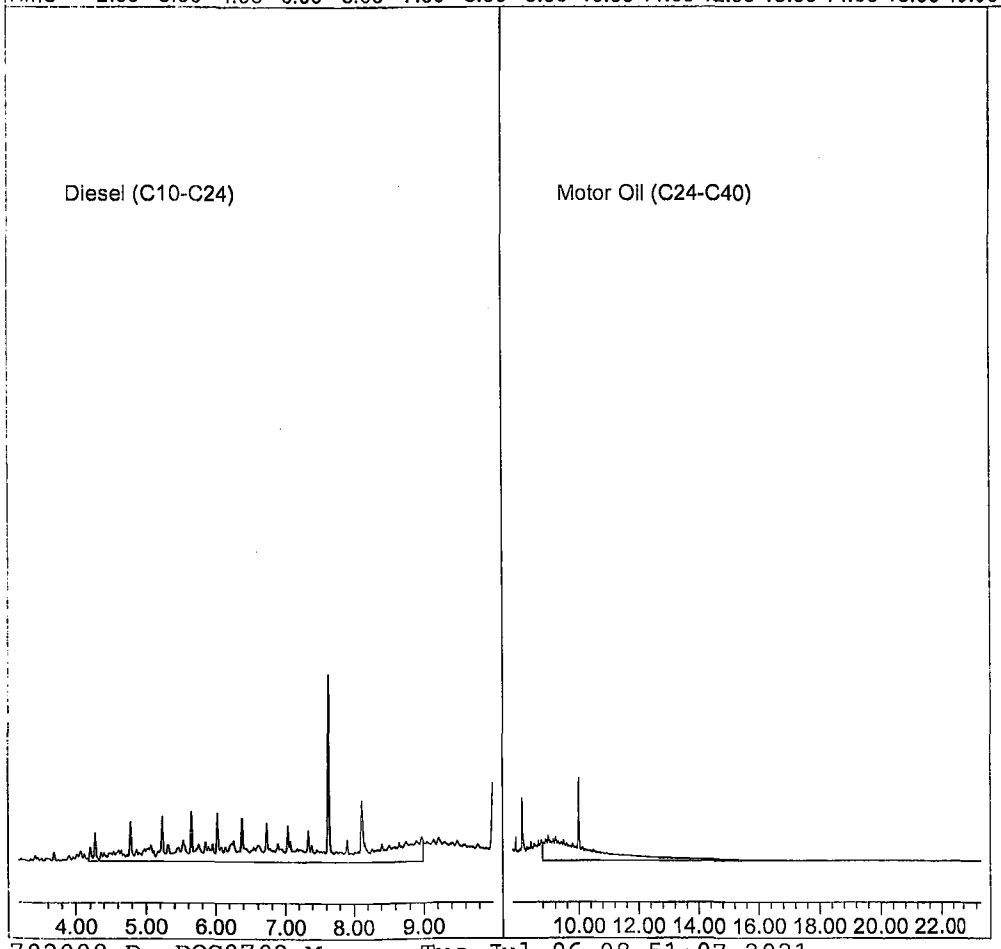
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	63248117	12.653	ppb
Surrogate Spike 30.000	Recovery =		42.18%	
4) SA Octacosane(S)	9.99	42382685	12.666	ppb
Surrogate Spike 30.000	Recovery =		42.22%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	1033958317	235.747	ppb
2) HBTM Motor Oil (C24-C40)	15.58	761210432	245.978	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702008.D
Sample : DMO STD-4 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702009.D Vial: 9
Acq On : 7-2-21 16:29:22 Operator: MB
Sample : DMO STD-5 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

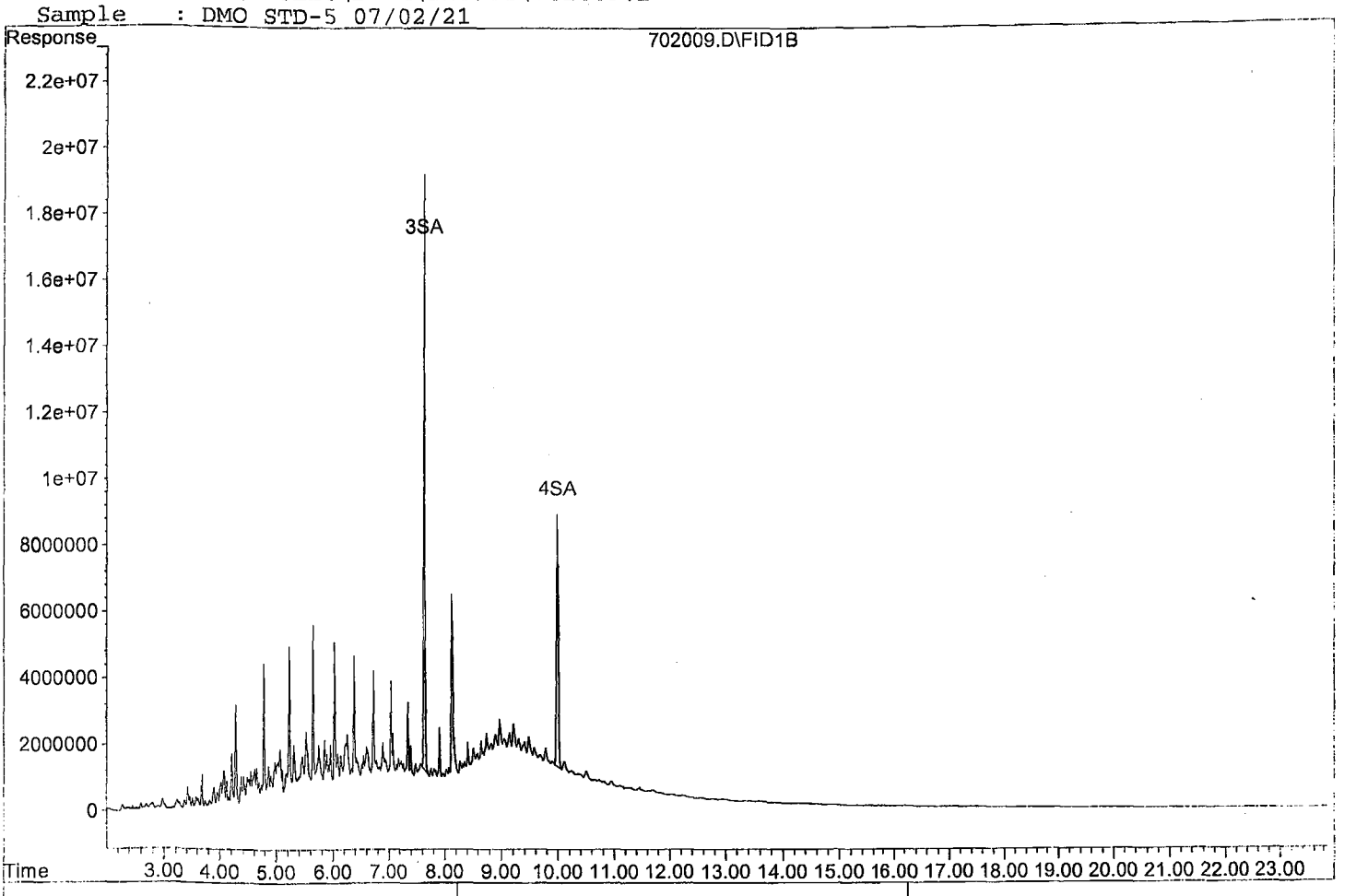
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

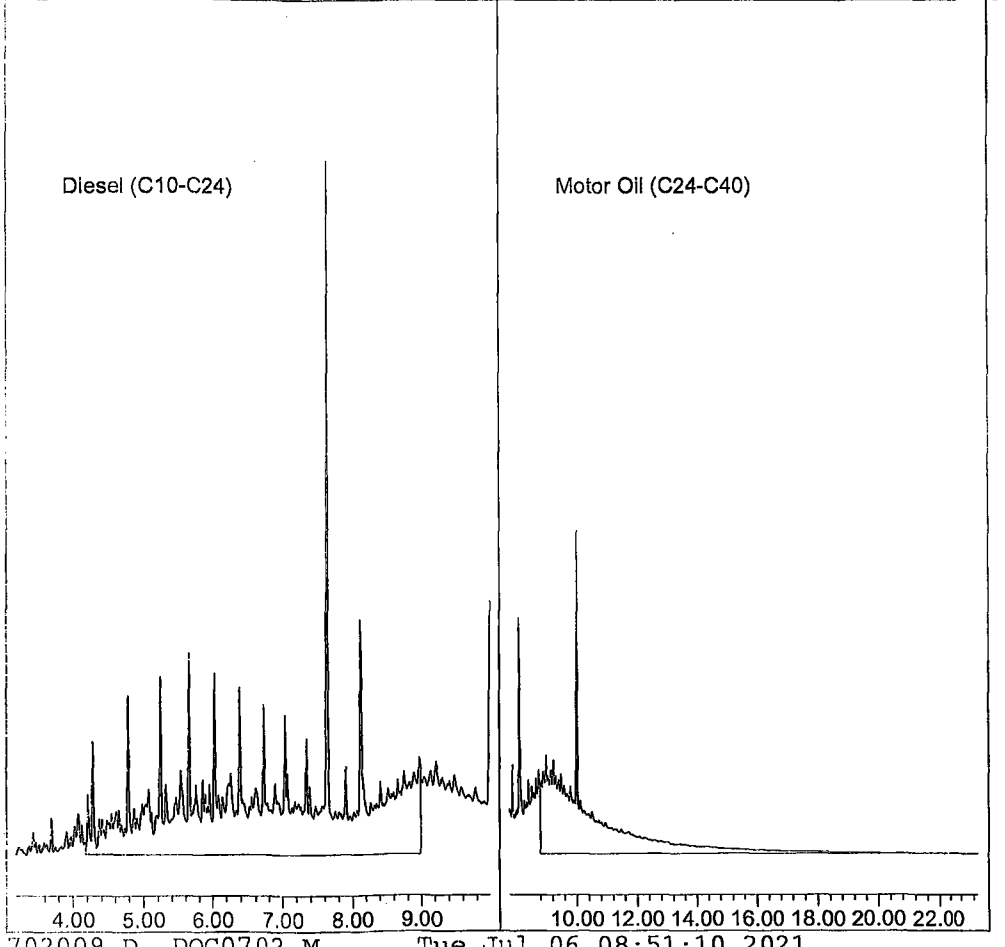
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	242267738	48.465 ppb
Surrogate Spike 30.000		Recovery =	161.55%
4) SA Octacosane(S)	10.00	164424401	49.137 ppb
Surrogate Spike 30.000		Recovery =	163.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	4079443154	930.133 ppb
2) HBTM Motor Oil (C24-C40)	15.58	2985720309	964.809 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702009.D
Sample : DMO STD-5 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702010.D Vial: 10
Acq On : 7-2-21 16:57:44 Operator: MB
Sample : DMO STD-6 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

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

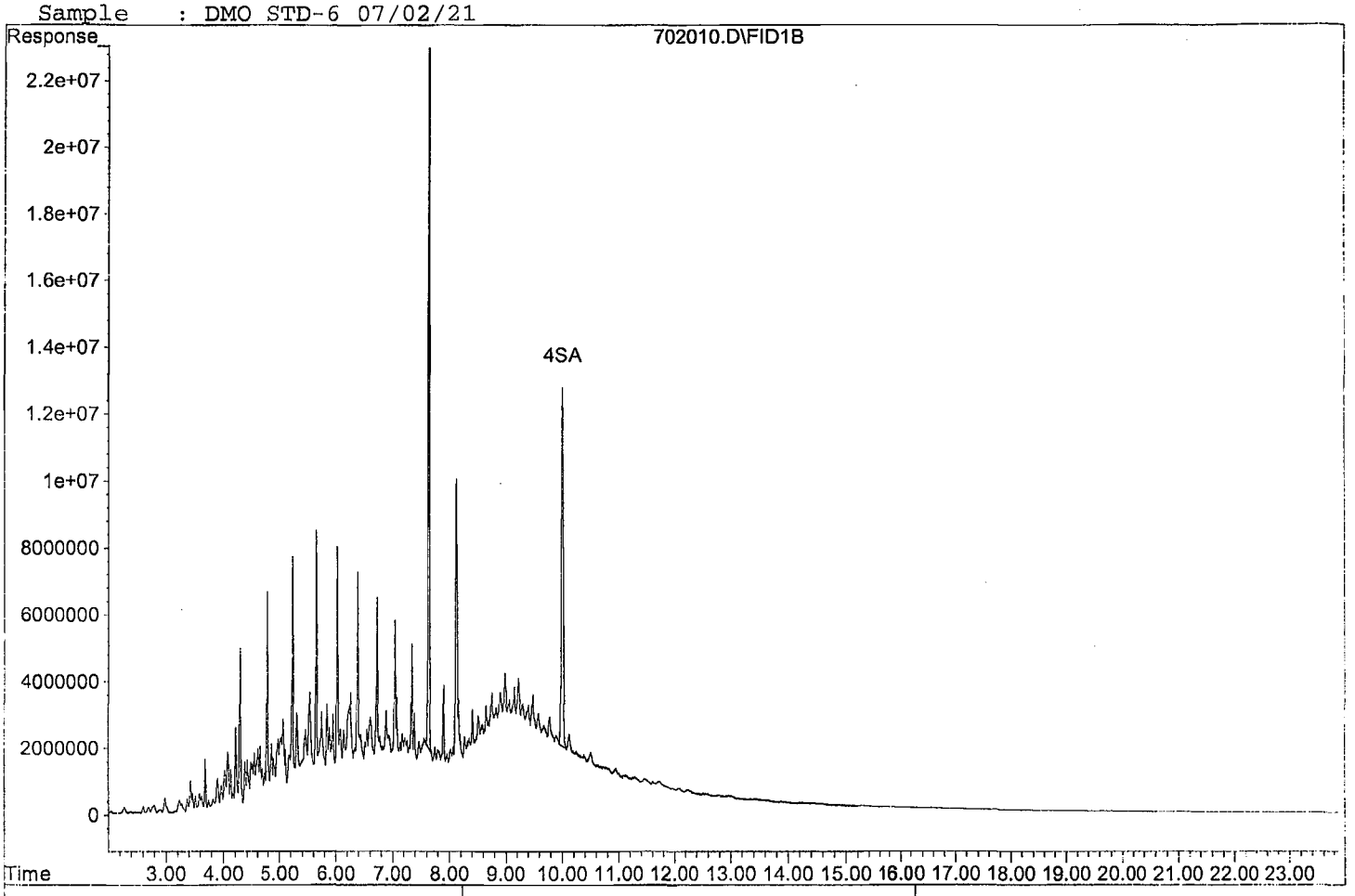
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	365375654	73.092	ppb
Surrogate Spike 30.000		Recovery =	243.64%	
4) SA Octacosane(S)	10.00	254910432	76.178	ppb
Surrogate Spike 30.000		Recovery =	253.93%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	6357793272	1449.608	ppb
2) HBTM Motor Oil (C24-C40)	15.58	4638339387	1498.838	ppb

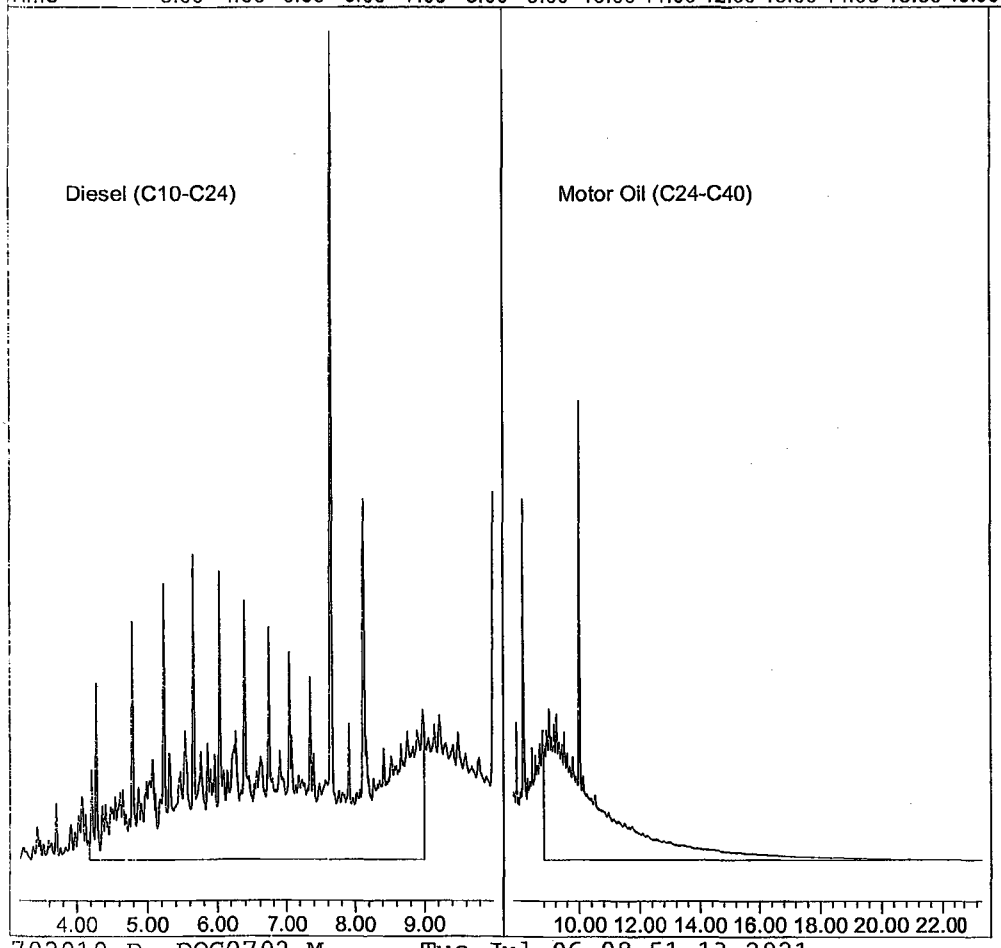
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702010.D
Sample : DMO STD-6 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702011.D Vial: 11
Acq On : 7-2-21 17:26:03 Operator: MB
Sample : DMO STD-7 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

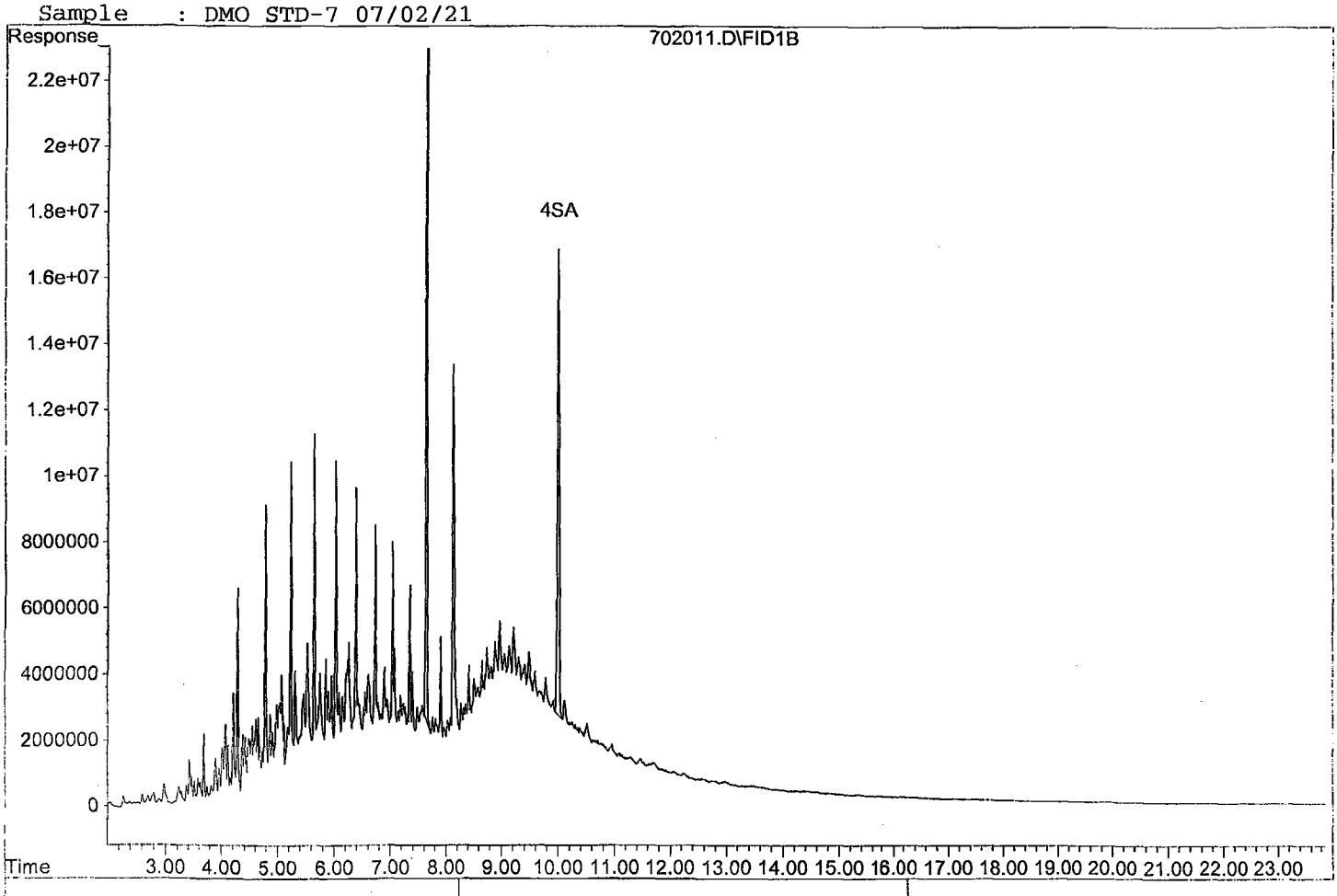
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

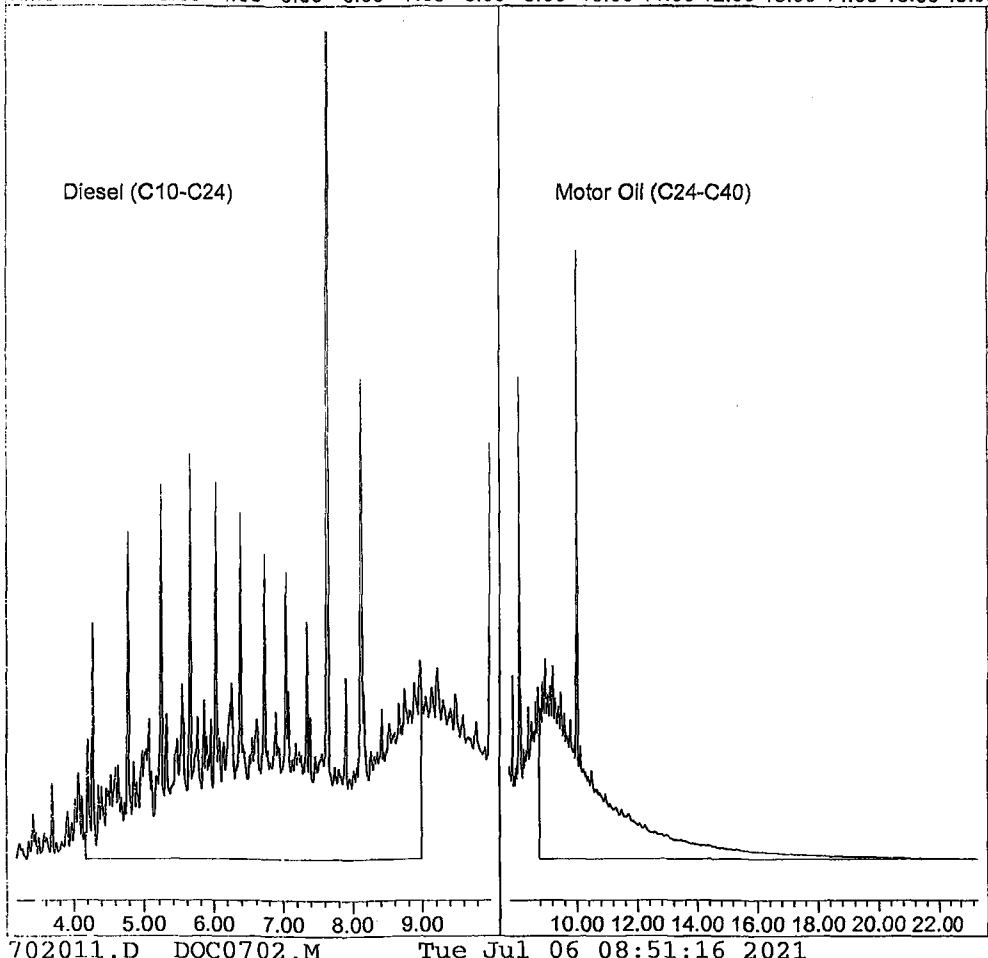
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	499899155	100.003 ppb
Surrogate Spike 30.000		Recovery =	333.34%
4) SA Octacosane(S)	10.01	341107264	101.937 ppb
Surrogate Spike 30.000		Recovery =	339.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	8559469801	1951.600 ppb
2) HBTM Motor Oil (C24-C40)	15.58	6216469170	2008.797 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702011.D
Sample : DMO STD-7 07/02/21





TPH Extractables
DOC0702

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/02/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 702012.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2197080	0.19	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1697380	9.7	HBTM	
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		Average			4.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702012.D Vial: 12
Acq On : 7-2-21 17:54:24 Operator: MB
Sample : DMO STD-SS 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:49 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

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

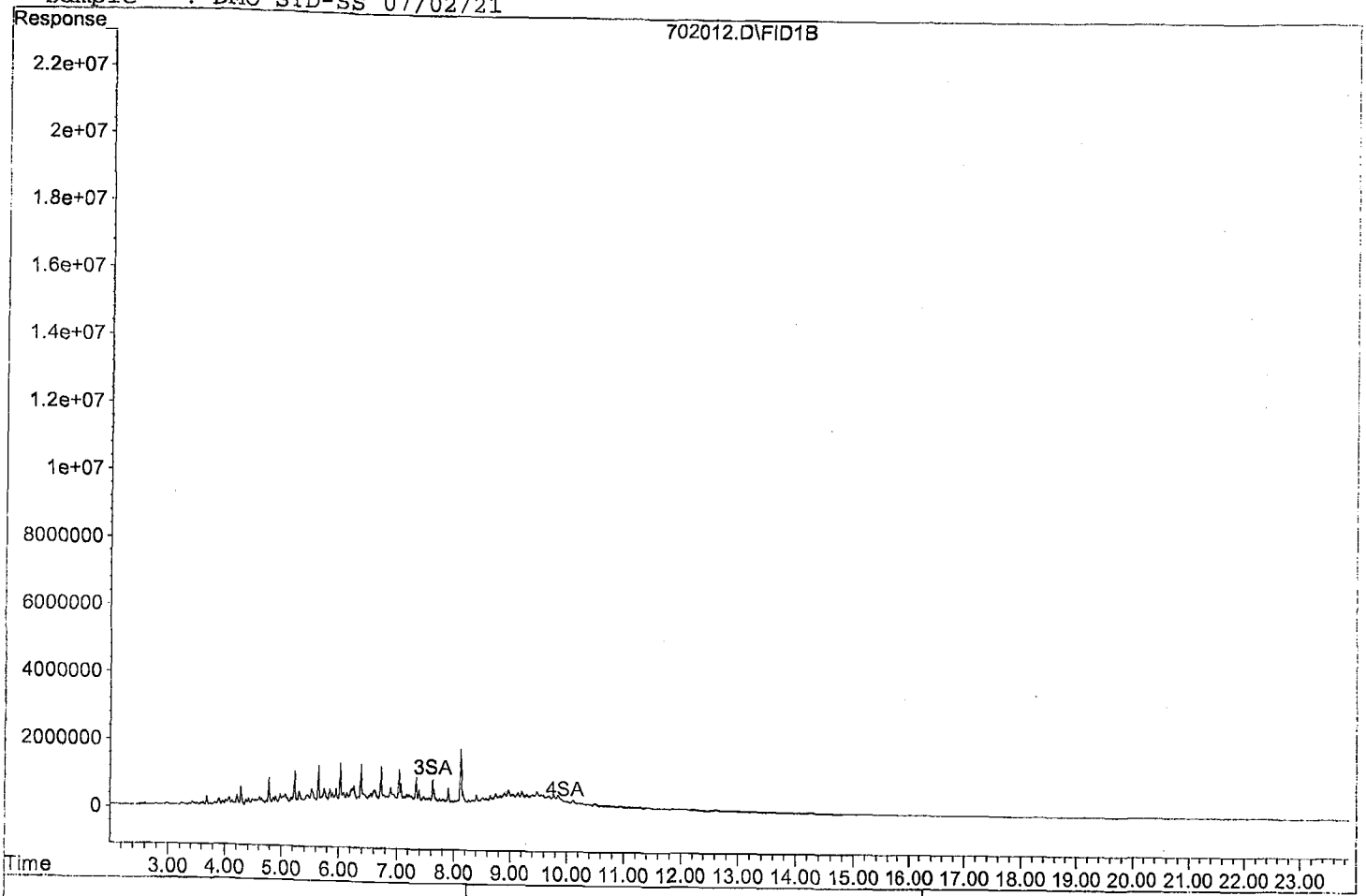
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	4247288	0.850 ppb
Surrogate Spike 30.000	Recovery =		2.83%
4) SA Octacosane(S)	9.97	108123	0.032 ppb
Surrogate Spike 30.000	Recovery =		0.11%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1098540957	250.473 ppb
2) HBTM Motor Oil (C24-C40)	15.58	848692375	274.247 ppb

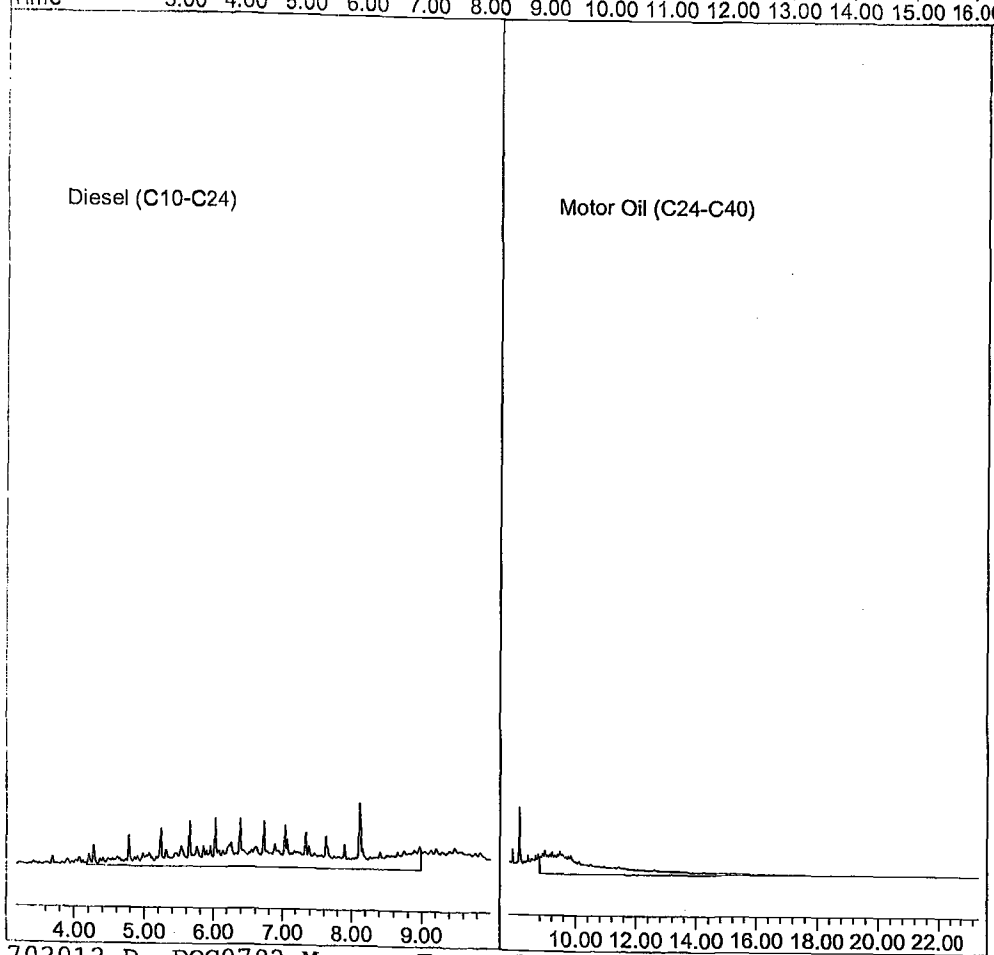
Target Compounds

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

Quantitation Report

Data File: G:\APOLLO\DATA\210702\702012.D
Sample : DMO STD-SS 07/02/21





TPH Extractables
DOC0702

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 8/9/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 808065.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2133440	2.7	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1520780	1.7	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2616100	4.7	SA	
4	SA	Octacosane(S)	1673130	1652810	1.2	SA	
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		Average			2.6		

Quantitation Report (Not Reviewed)

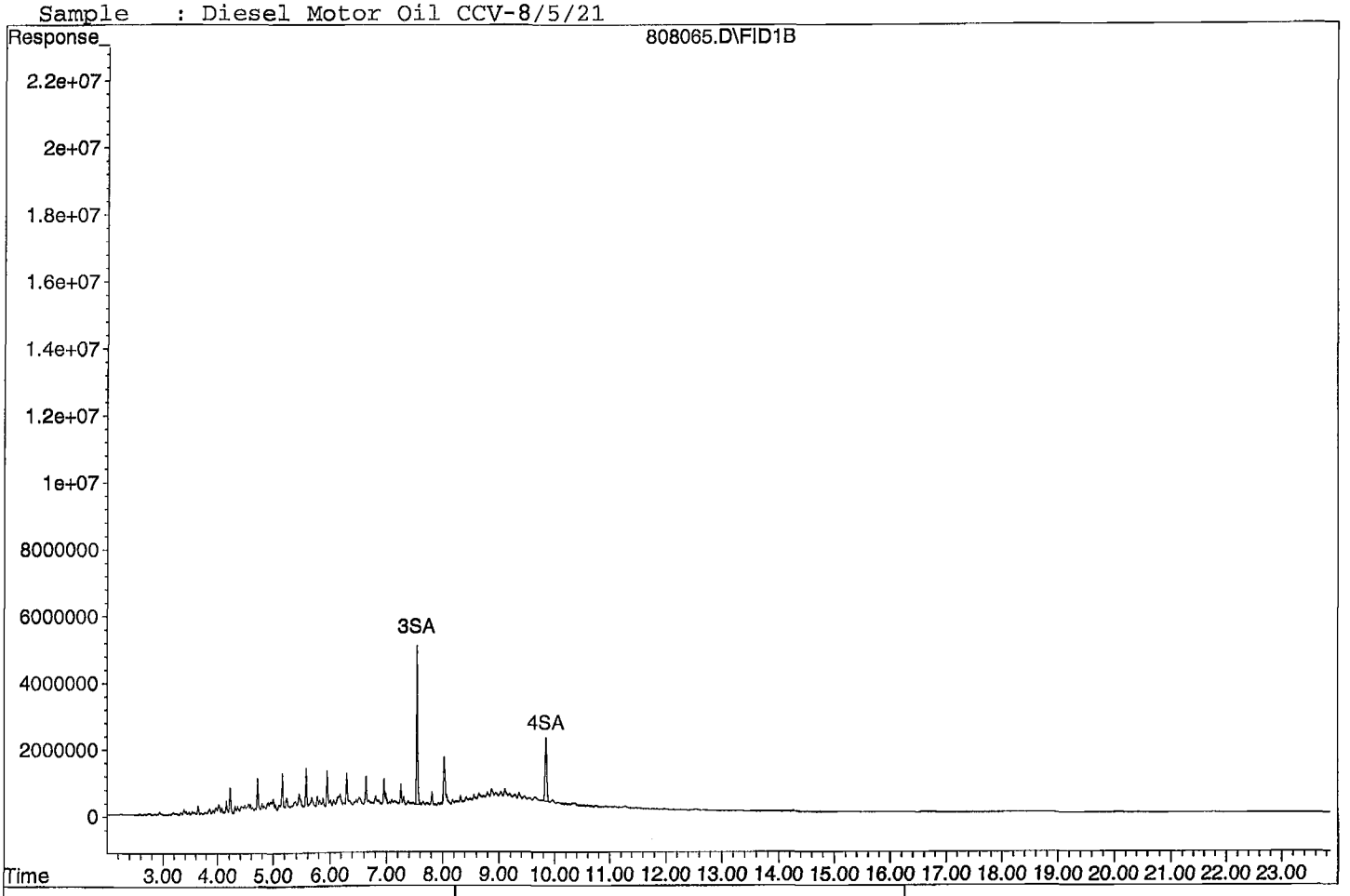
Data File : G:\APOLLO\DATA\210808\808065.D Vial: 65
Acq On : 8-9-21 19:46:58 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 10 8:10 2021 Quant Results File: DOC0702.RES

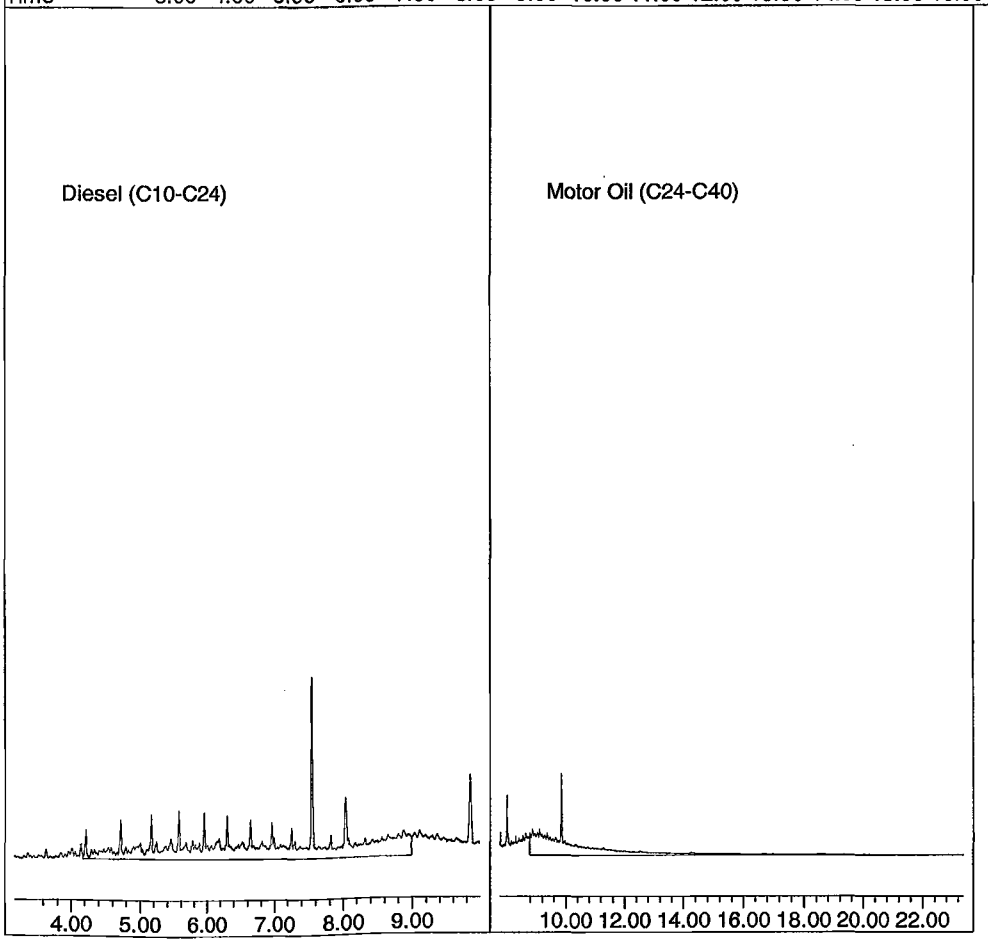
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	65402410	13.083 ppb
Surrogate Spike 30.000		Recovery =	43.61%
4) SA Octacosane(S)	9.85	41320136	12.348 ppb
Surrogate Spike 30.000		Recovery =	41.16%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1066722425	243.218 ppb
2) HBTM Motor Oil (C24-C40)	15.58	760389457	245.713 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808065.D
Sample : Diesel Motor Oil CCV-8/5/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/10/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 808076.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2137130	2.5	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1500150	3.0	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2616770	4.7	SA	
4	SA	Octacosane(S)	1673130	1703190	1.8	SA	
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		Average			3.0		

Quantitation Report (Not Reviewed)

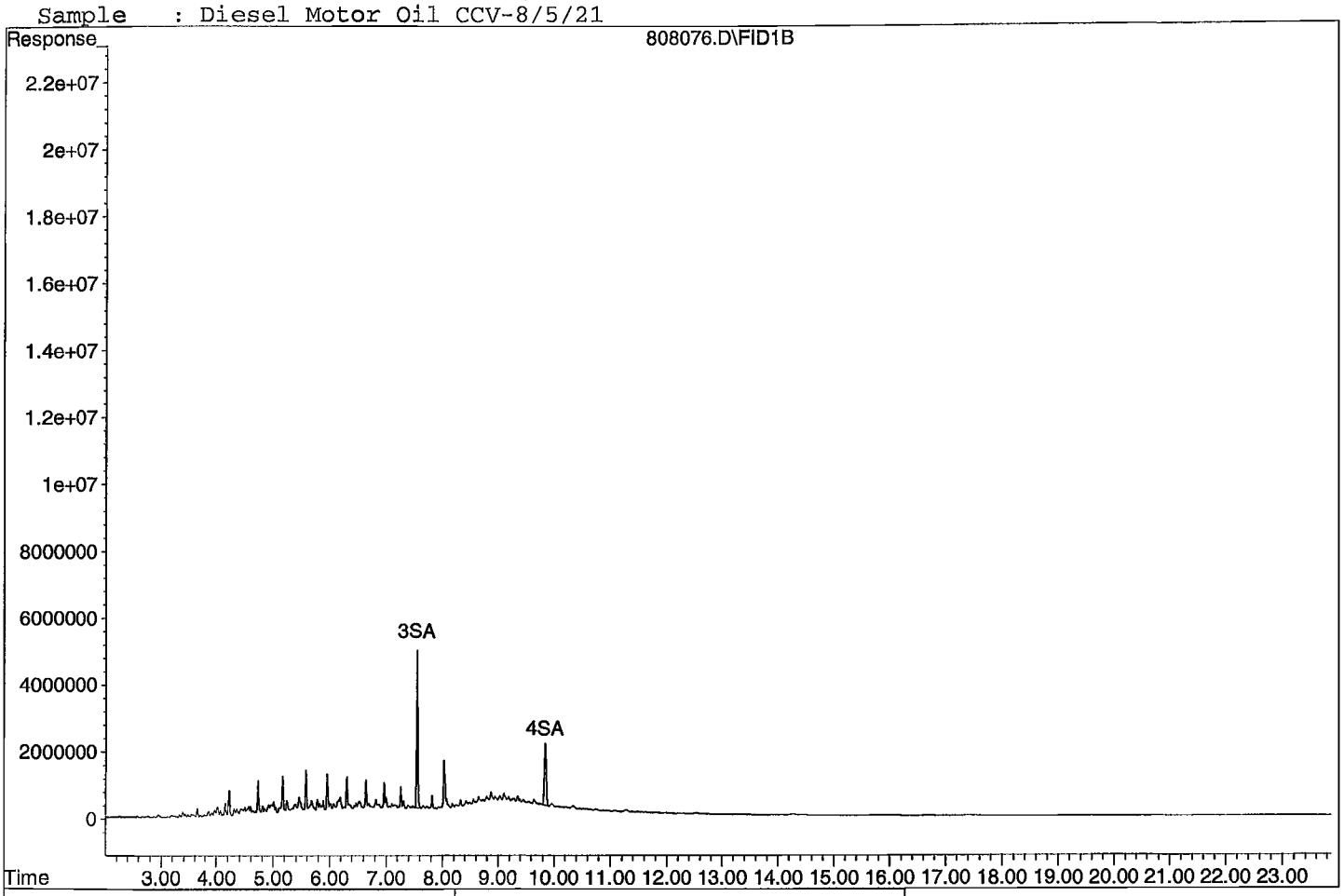
Data File : G:\APOLLO\DATA\210808\808076.D Vial: 76
Acq On : 8-10-21 0:59:20 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 10 8:10 2021 Quant Results File: DOC0702.RES

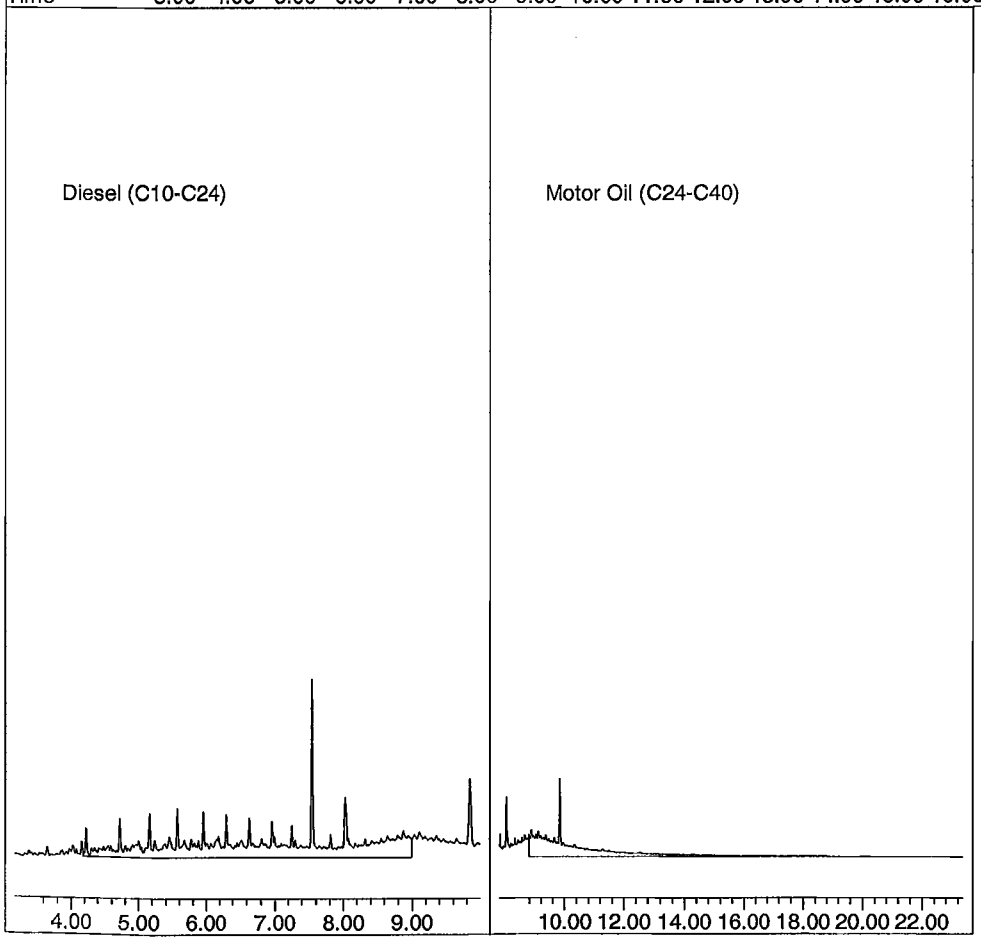
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	65419135	13.087 ppb
Surrogate Spike 30.000		Recovery =	43.62%
4) SA Octacosane(S)	9.85	42579833	12.725 ppb
Surrogate Spike 30.000		Recovery =	42.42%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1068565508	243.638 ppb
2) HBTM Motor Oil (C24-C40)	15.58	750076744	242.381 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808076.D
Sample : Diesel Motor Oil CCV-8/5/21





ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

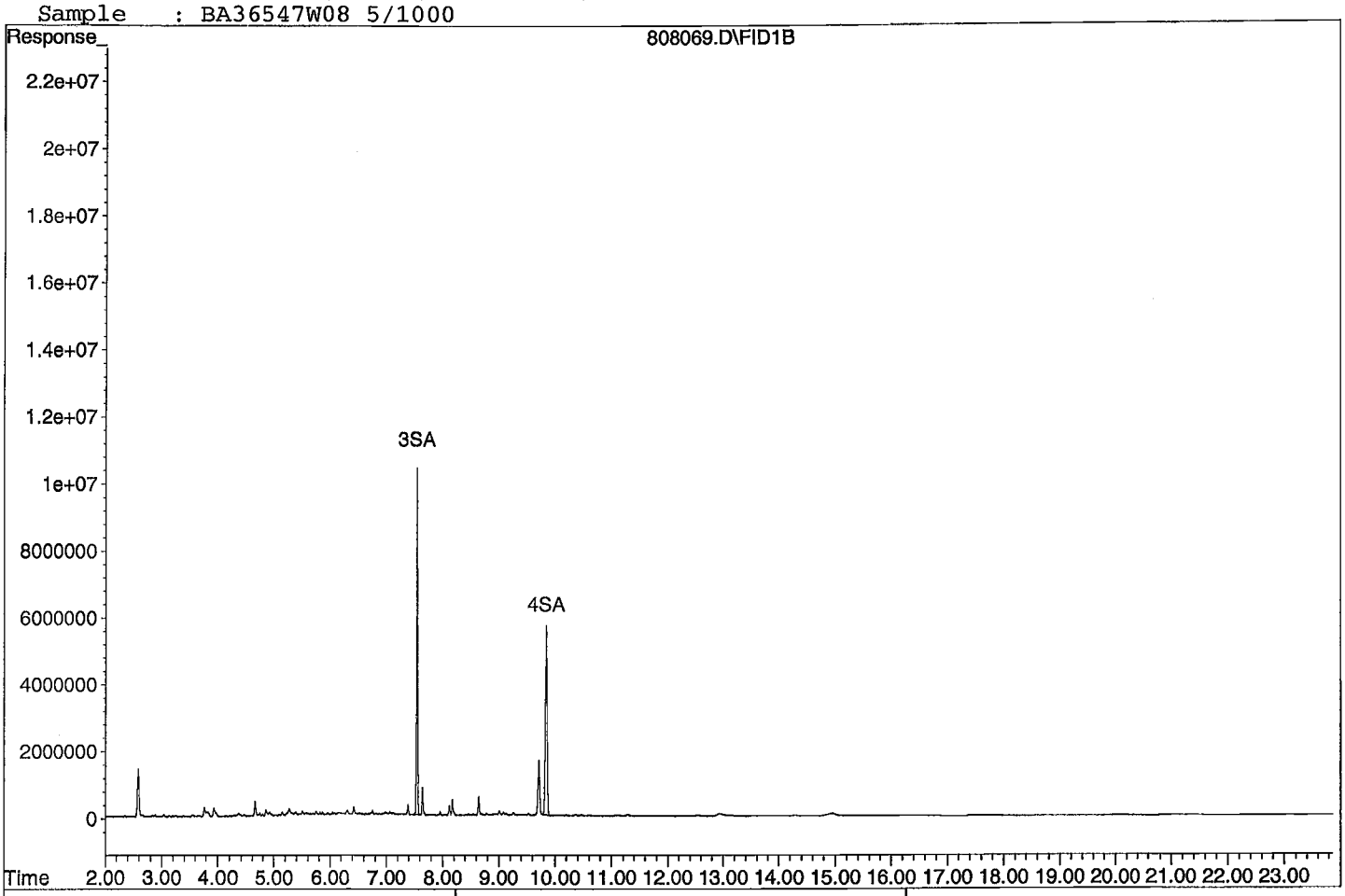
Data File : G:\APOLLO\DATA\210808\808069.D Vial: 69
Acq On : 8-9-21 21:40:21 Operator: KA
Sample : BA36547W08 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 18 14:57 2021 Quant Results File: DOC0702.RES

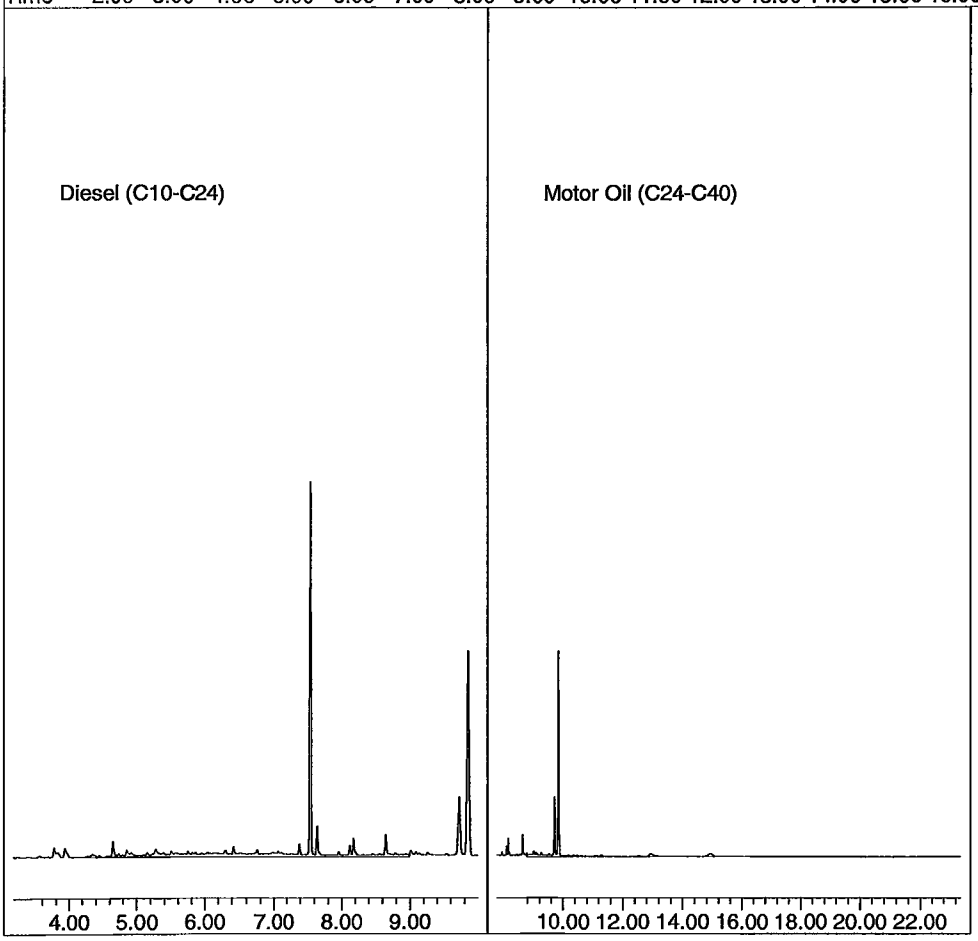
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	130811204	130.841 ppb
Surrogate Spike 150.000		Recovery =	87.23%
4) SA Octacosane(S)	9.85	118060723	176.407 ppb
Surrogate Spike 150.000		Recovery =	117.60%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	264960352	302.061 ppb
2) HBTM Motor Oil (C24-C40)	15.58	170961232	276.223 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808069.D
Sample : BA36547W08 5/1000





Quantitation Report (QT Reviewed)

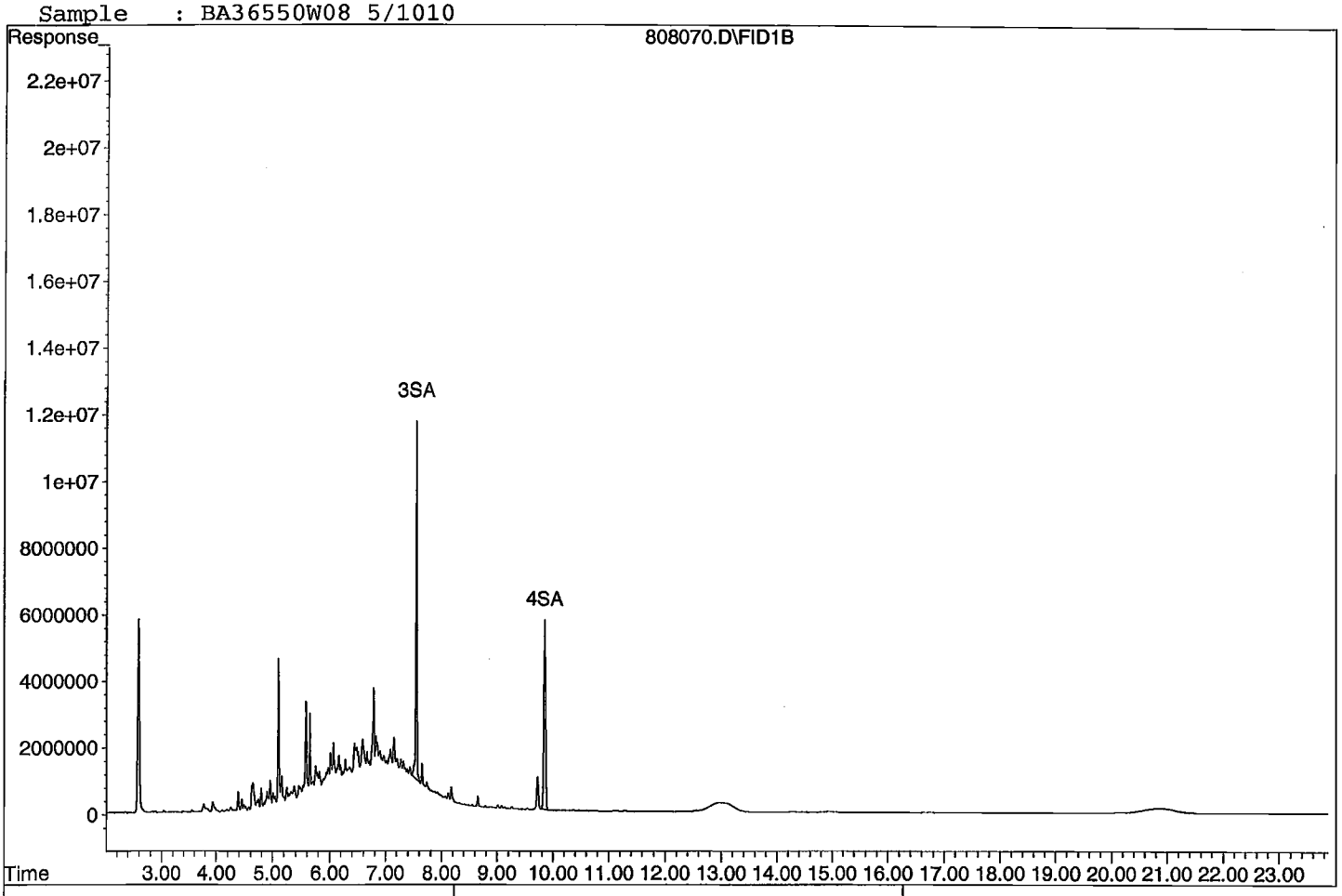
Data File : G:\APOLLO\DATA\210808\808070.D Vial: 70
Acq On : 8-9-21 22:08:37 Operator: KA
Sample : BA36550W08 5/1010 Inst : Apollo
Misc : water Multiplr: 4.95
IntFile : events.e
Quant Time: Sep 18 14:57 2021 Quant Results File: DOC0702.RES

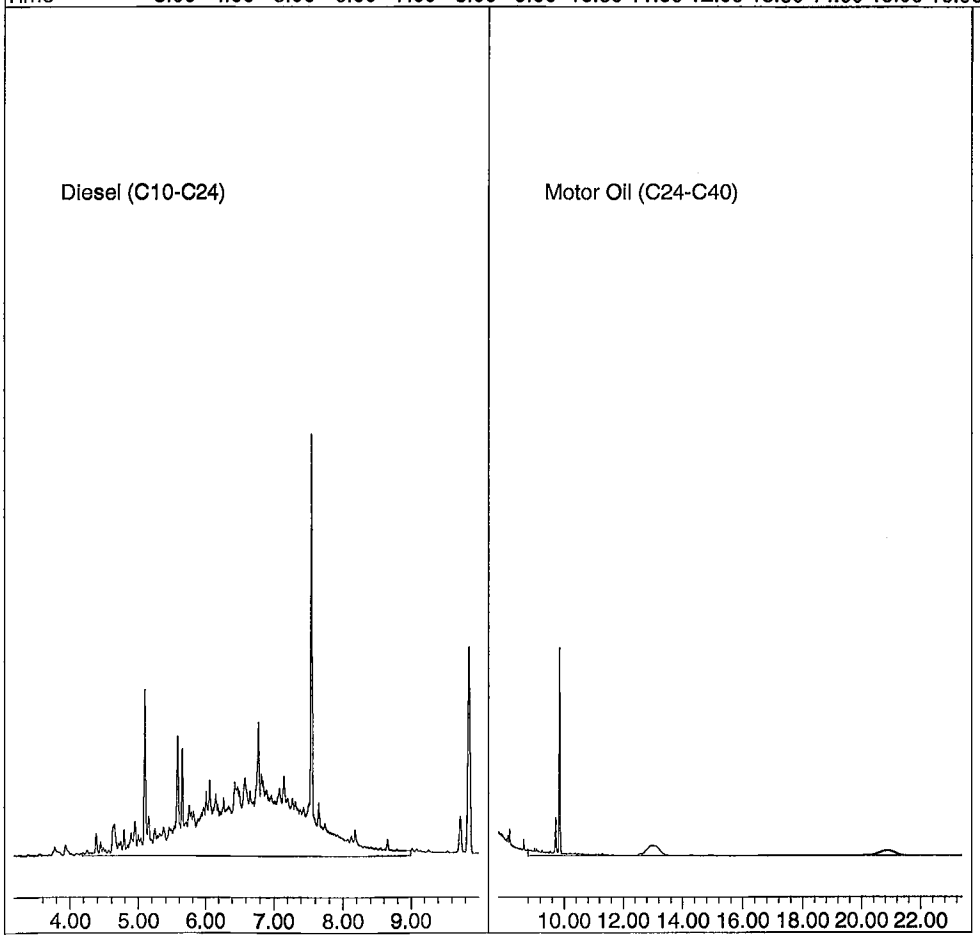
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	143192785	141.808 ppb
Surrogate Spike 148.515		Recovery =	95.48%
4) SA Octacosane(S)	9.85	123229495	182.307 ppb
Surrogate Spike 148.515		Recovery =	122.75%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	2521585180	2846.209 ppb
2) HBTM Motor Oil (C24-C40)	15.58	325899881	521.345 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808070.D
Sample : BA36550W08 5/1010





Quantitation Report (QT Reviewed)

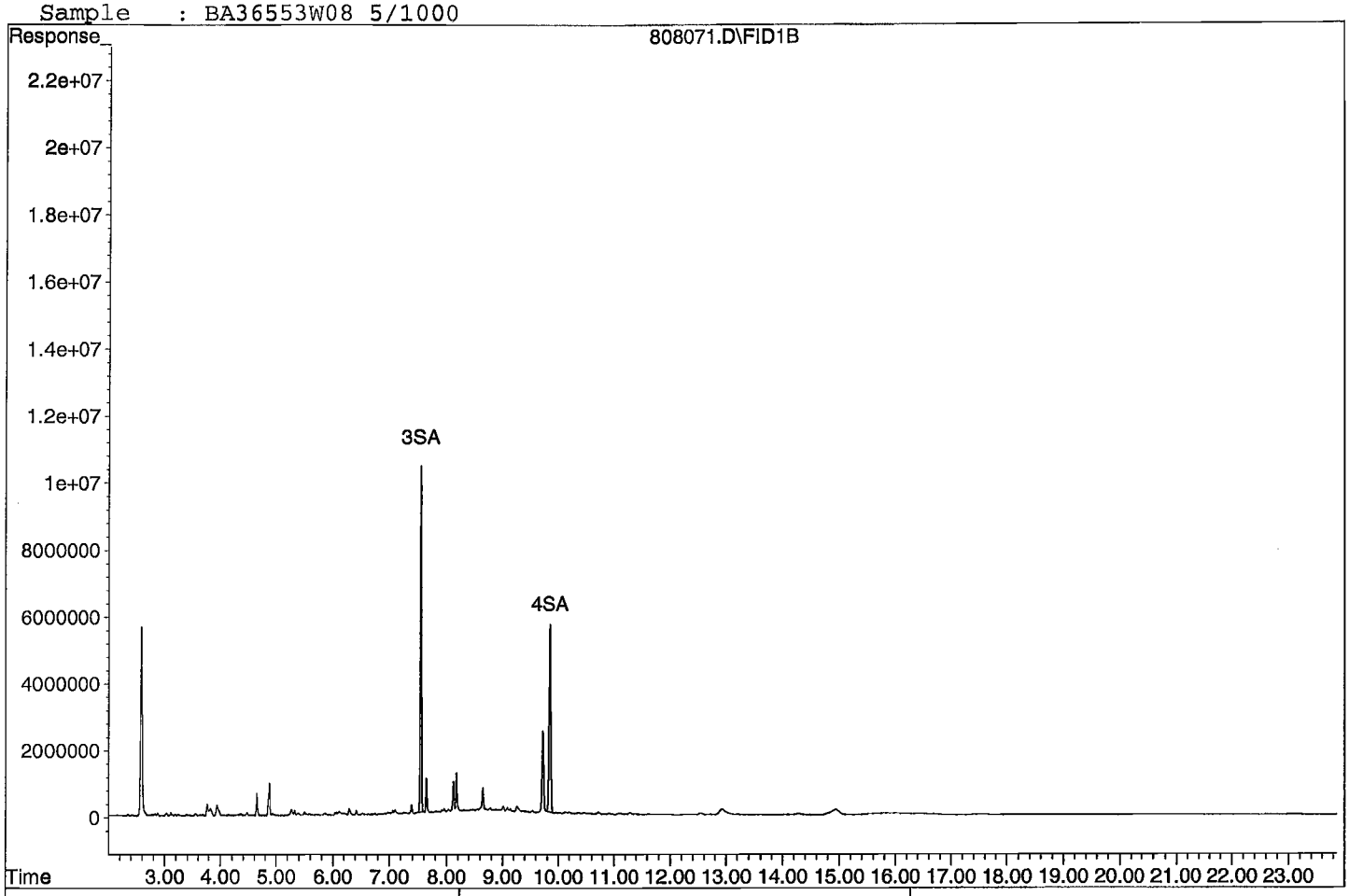
Data File : G:\APOLLO\DATA\210808\808071.D Vial: 71
Acq On : 8-9-21 22:36:59 Operator: KA
Sample : BA36553W08 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 18 14:58 2021 Quant Results File: DOC0702.RES

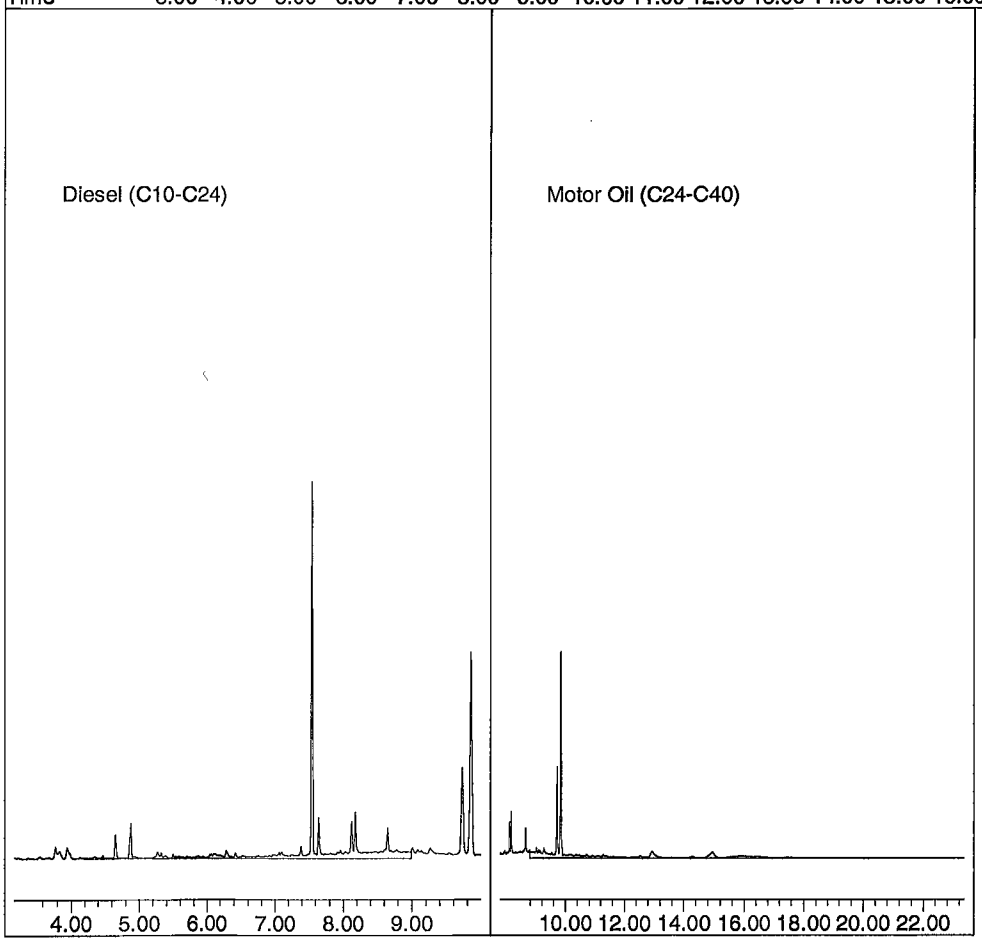
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	132622411	132.653 ppb
Surrogate Spike 150.000		Recovery =	88.44%
4) SA Octacosane(S)	9.85	114371291	170.894 ppb
Surrogate Spike 150.000		Recovery =	113.93%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	338761668	386.196 ppb
2) HBTM Motor Oil (C24-C40)	15.58	352487131	569.515 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808071.D
Sample : BA36553W08 5/1000





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210808\808072.D Vial: 72
Acq On : 8-9-21 23:05:29 Operator: KA
Sample : BA36556W07 5/1030 Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Sep 18 15:02 2021 Quant Results File: DOC0702.RES

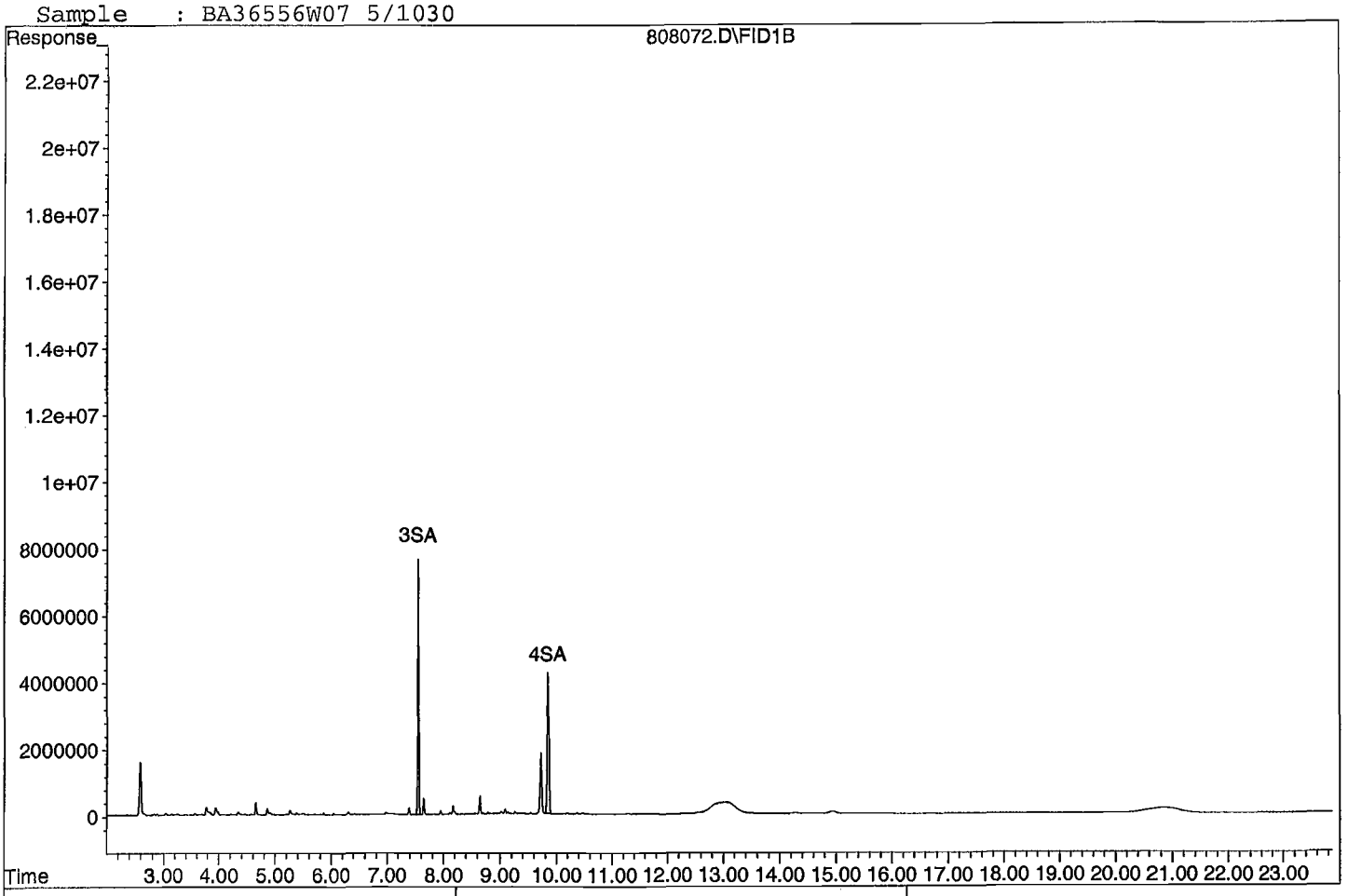
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

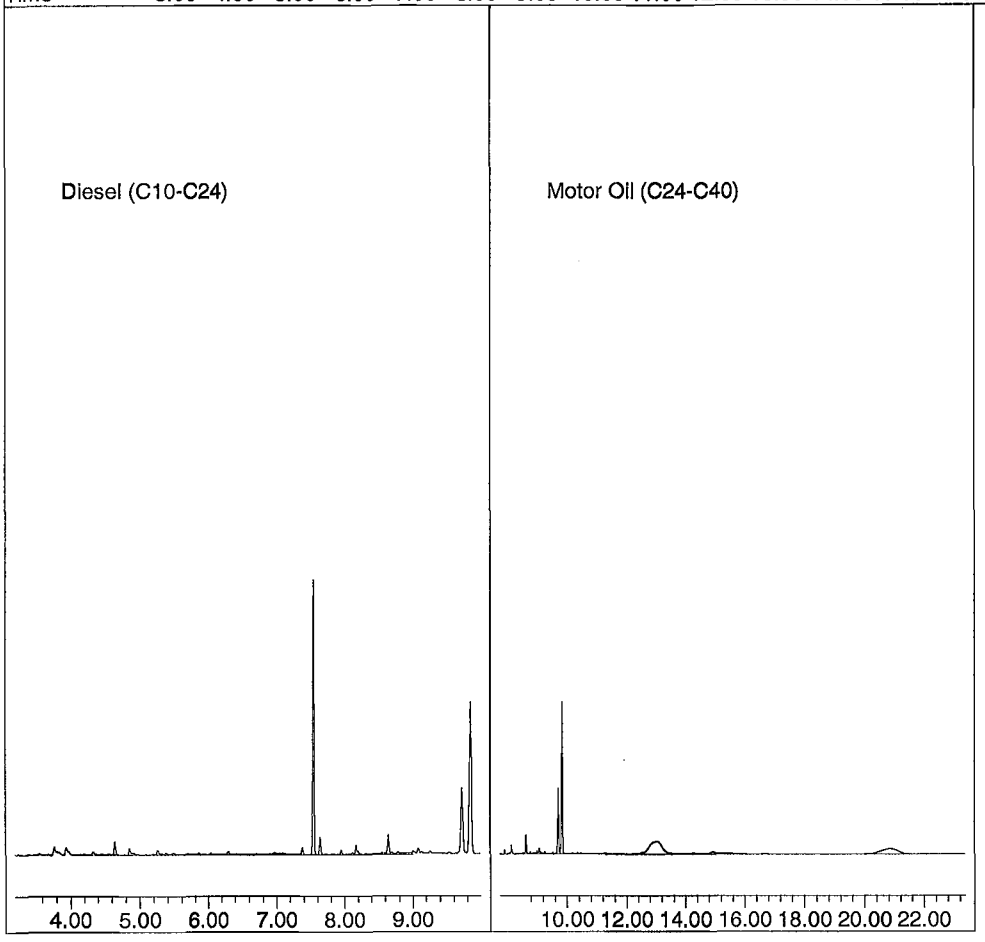
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	96851775	94.053 ppb
Surrogate Spike 145.631		Recovery =	64.58%
4) SA Octacosane(S)	9.85	90362640	131.087 ppb
Surrogate Spike 145.631		Recovery =	90.01%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	76506089	84.678 ppb
2) HBTM Motor Oil (C24-C40)	15.58	252924161	396.749 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210808\808072.D
Sample : BA36556W07 5/1030





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Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210808\808066.D Vial: 66
Acq On : 8-9-21 20:15:17 Operator: KA
Sample : 210728B BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 23 8:24 2021 Quant Results File: DOC0702.RES

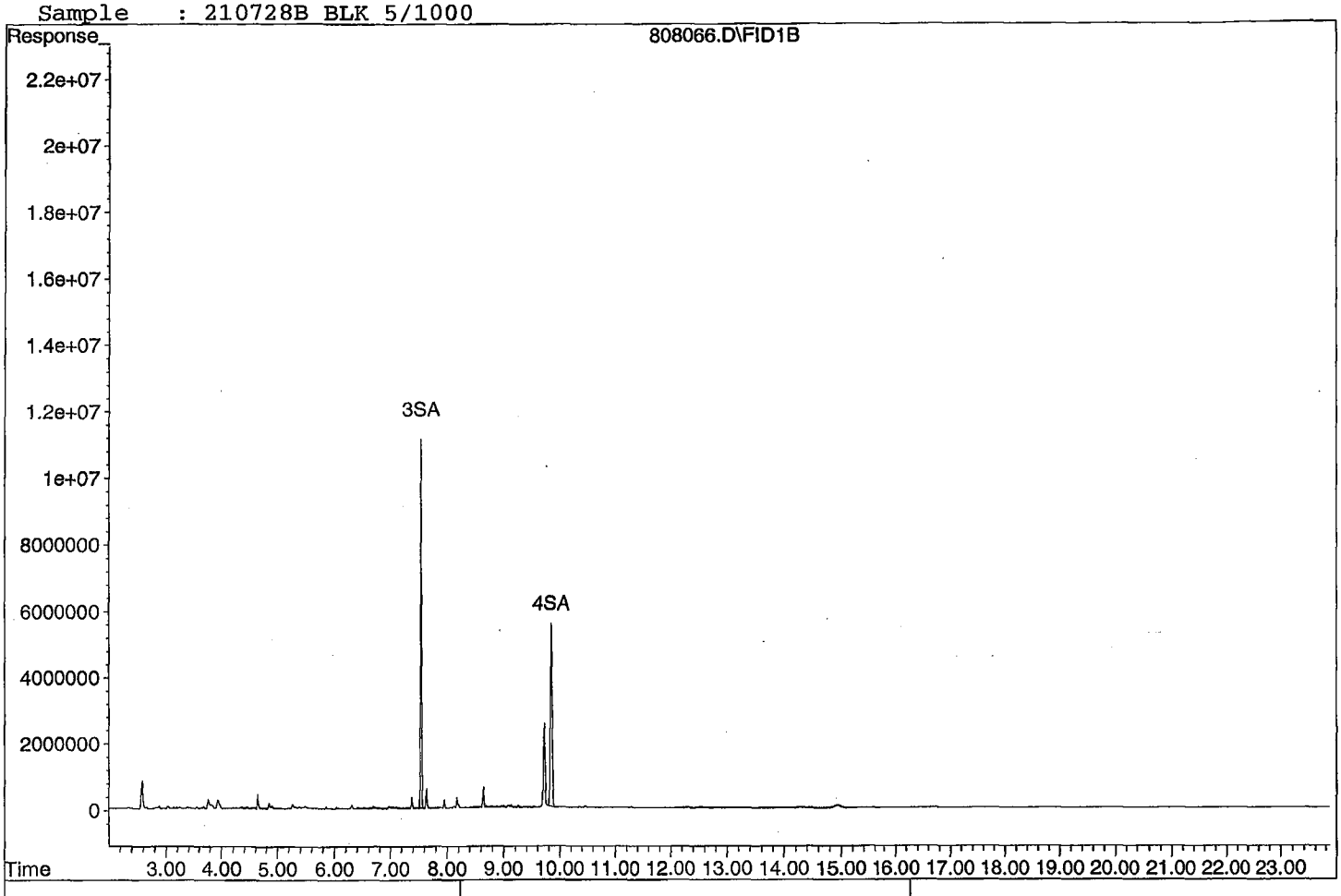
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

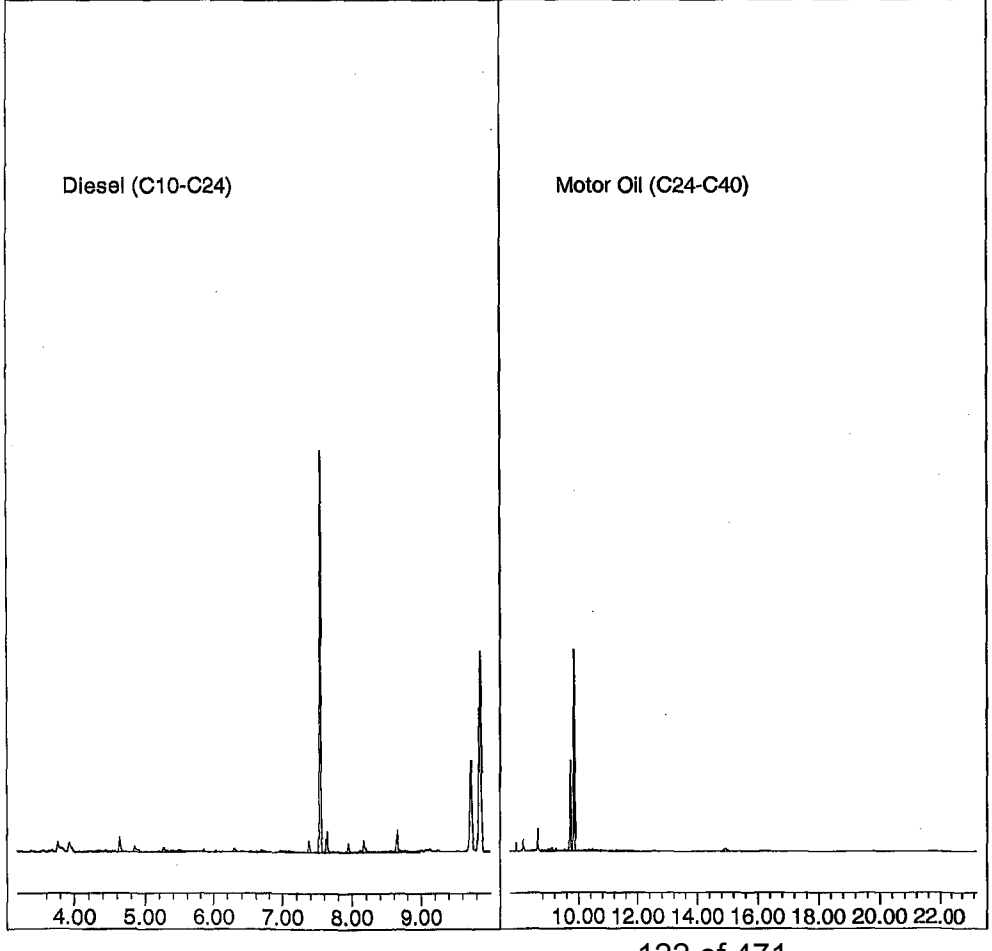
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.54	133958391	133.989 ppb
Surrogate Spike 150.000		Recovery =	89.33%
4) SA Octacosane(S)	9.85	121301257	181.249 ppb
Surrogate Spike 150.000		Recovery =	120.83%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	82615297	94.183 ppb
2) HBTM Motor Oil (C24-C40)	15.58	92593782	149.604 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210808\808066.D
Sample : 210728B BLK 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210808\808067.D
Acq On : 8-9-21 20:43:40
Sample : 210728B LCS-1 5/1000
Misc : water
IntFile : events.e
Quant Time: Sep 18 15:08 2021 Quant Results File: DOC0702.RES

Vial: 67
Operator: KA
Inst : Apollo
Multiplr: 5.00

Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 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)	7.55	144256675	144.290 ppb
Surrogate Spike 150.000		Recovery =	96.19%
4) SA Octacosane(S)	9.85	117149610	175.045 ppb
Surrogate Spike 150.000		Recovery =	116.70%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1593733965	1816.895 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1179680123	1906.016 ppb
Target Compounds			

Diesel:

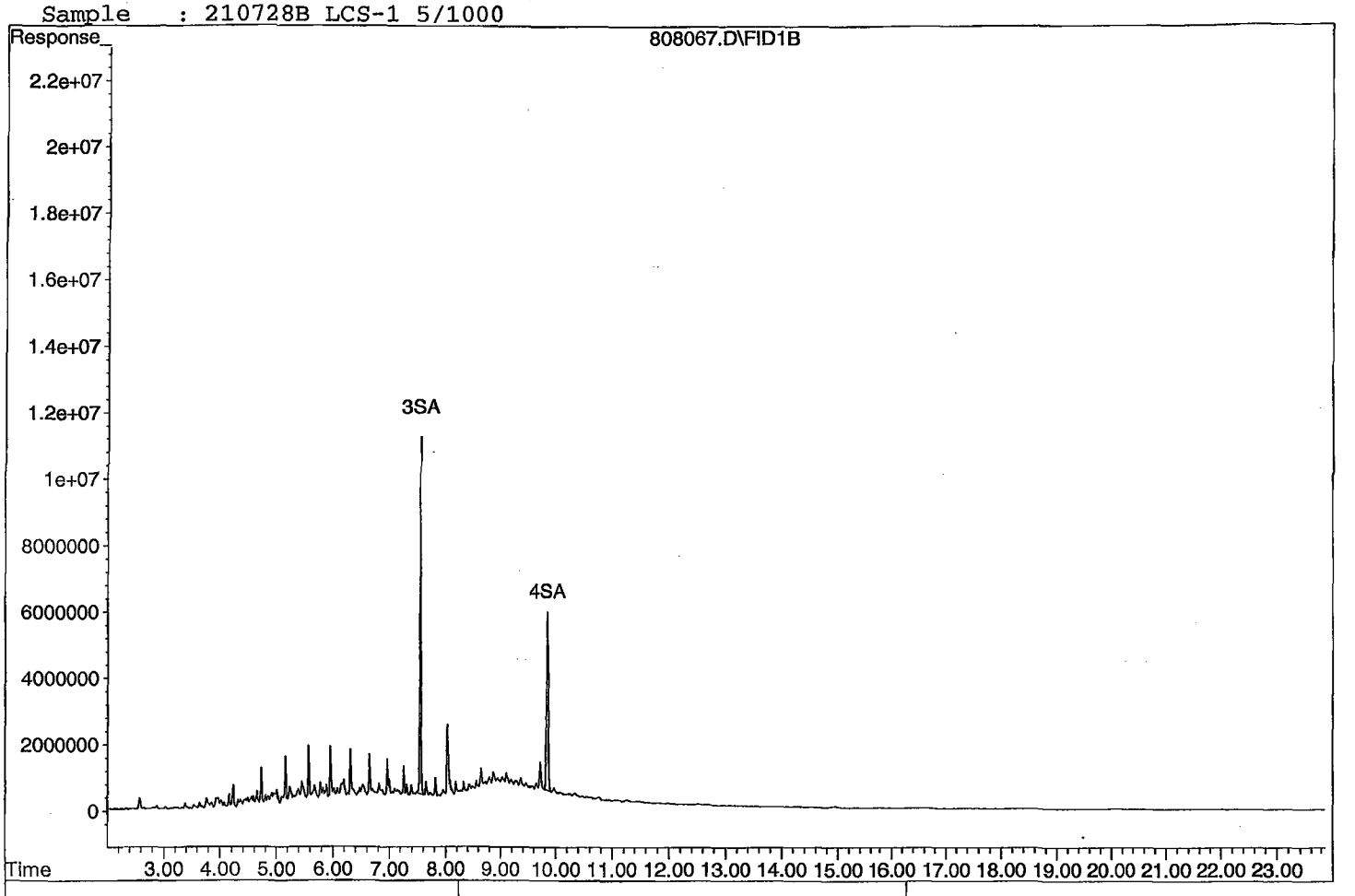
$$\frac{(1593733965)(5)}{(2192936)(2)} = \frac{7968669825}{4385872} = \boxed{1816.895}$$

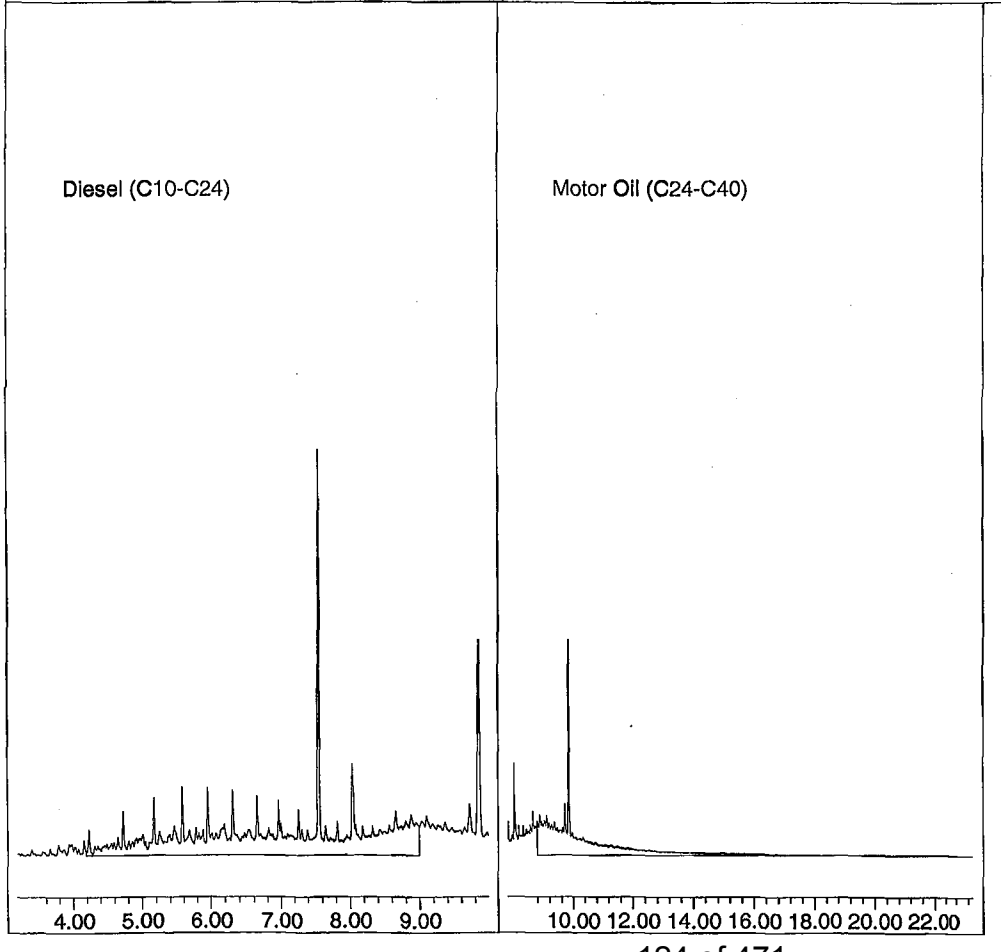
Motor Oil:

$$\frac{(1179680123)(5)}{(1547312)(2)} = \frac{5898400615}{3094624} = \boxed{1906.015}$$

(f)=RT Delta > 1/2 Window
808067.D DOC0702.M Mon Nov 01 10:25:03 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\210808\808067.D
Sample : 210728B LCS-1 5/1000





Quantitation Report (Not Reviewed)

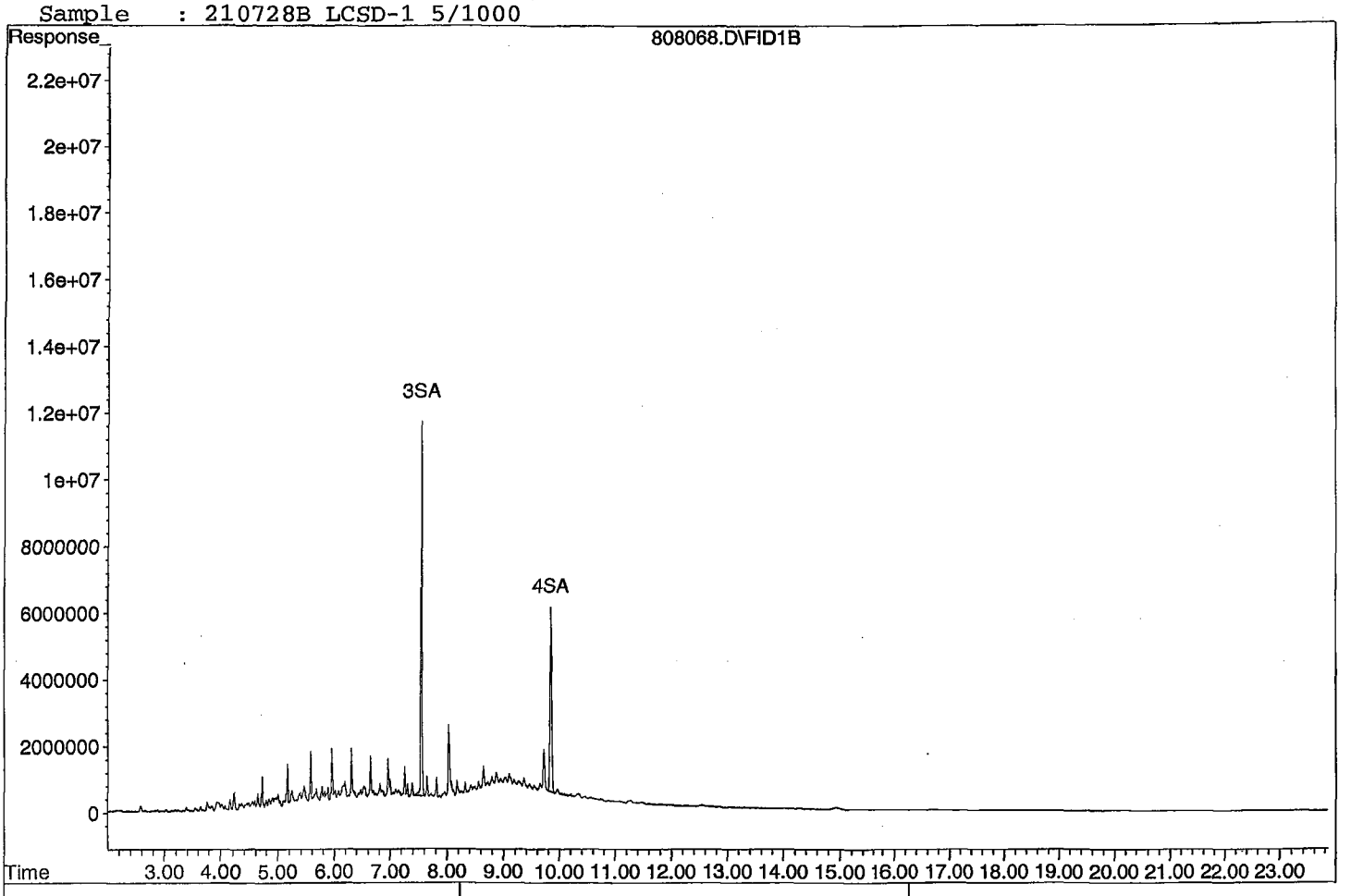
Data File : G:\APOLLO\DATA\210808\808068.D Vial: 68
Acq On : 8-9-21 21:11:59 Operator: KA
Sample : 210728B LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Sep 18 15:08 2021 Quant Results File: DOC0702.RES

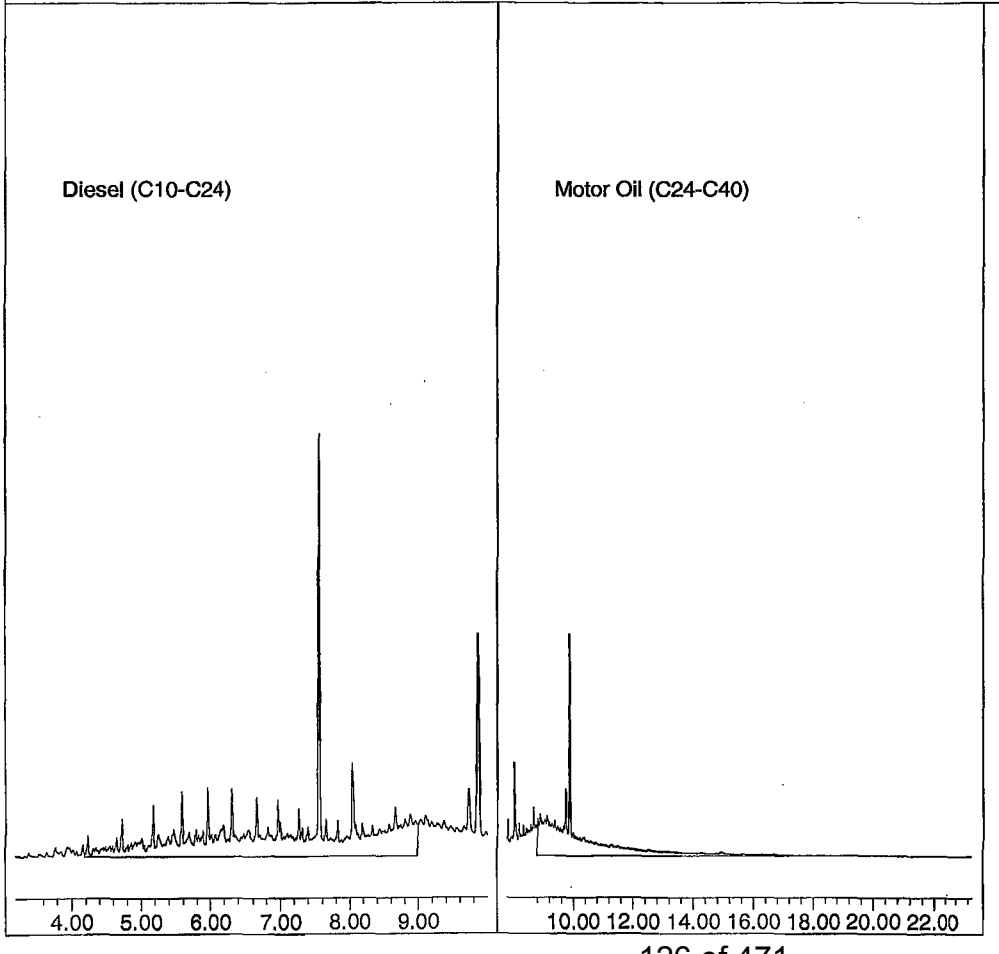
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	151621949	151.657 ppb
Surrogate Spike 150.000		Recovery =	101.10%
4) SA Octacosane(S)	9.85	122991668	183.774 ppb
Surrogate Spike 150.000		Recovery =	122.52%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1613119044	1838.995 ppb
2) HBTM Motor Oil (C24-C40)	15.58	1258311441	2033.061 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210808\808068.D
Sample : 210728B LCSD-1 5/1000





Diesel Motor Oil Calibration Curve

Prep'd By (Initials) MB

Prep Date 7/2/2021

Exp Date 7/2/2022

						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (ug/mL)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel Motor Oil Calibration STD -2	AAPL	Diesel /Motor Oil 1	10	4/21/2021	5/6/2022	100 uL	200 uL	MC	5
Diesel Motor Oil Calibration STD-3	AAPL	Diesel /Motor Oil 2	50	4/21/2021	5/6/2022	200 uL	1 mL	MC	10
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 3	2000	4/21/2021	5/6/2022	25 uL	1mL	MC	50
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 4	2000	4/21/2021	5/6/2022	125 uL	1mL	MC	250
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 5	2000	4/21/2021	5/6/2022	500 uL	1 mL	MC	1000
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 6	2000	4/21/2021	5/6/2022	750 uL	1 mL	MC	1500
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 7	2000	4/21/2021	5/6/2022	100uL	100 uL	MC	2000

Diesel / Motor Oil Second Source

Prepared: 7/21/2020
Expires: 7/21/2021

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2 Second Source	Phenova	AL0-101287	50,000	**CL13327-40550**	7/21/2021	**2/28/2022**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**010918-39581**	7/21/2021	**1/9/2023**	50uL			

Diesel Motor Oil CCV

Prepared By (Initials): **KA**

Prep Date	**8/5/2021**
Exp Date	**8/5/2022**
Methylene Chloride Lot No.	59353

Initial Standard Information						Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix name	Conc.(ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel-Motor Oil Standard	Restek	Diesel Motor Oil CCV	2000	**Perp'd: 09/05/20 A0156490-156569-51860, A0155668-160024-51534, CL15440-500953**	**8/5/2022**	1250 uL	10mL	**MC**	250

Diesel Motor Oil Mix

Prepared: 7/19/2021 **Prepared By (Initials): MB**

Expires: 7/19/2022

Initial Standard Information							Final Standard Information			
Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52660,52480,52661	6/28/2022	2/28/2027	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	A0166510-52665,52666.52667	6/28/2022	9/30/2027	4.00 mL			25,000

Name of Final Standard	THC Surrogate	Prep'd By (Initials)	MA
Prep Date	7/16/2021		
Exp Date	7/16/2022		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-50968	7/1/2022	10/31/2025	NA	NA	NA	600 mg/L

Name of Final Standard	**THC Surrogate**	**Prep'd By (initials)**	**MA**
Prep Date	**7/28/2021**		
Exp Date	**7/28/2022**		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-50327	7/1/2022	10/31/2025	NA	NA	NA	600 mg/L

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210728B	Extraction Method	LIQ005	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 7-19-21 7-19-22		Surrogate ID 1	THC Surrogate 7-16-21 7-16-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 9-4-21 9-4-22		Surrogate ID 2	THC Surrogate 7-28-21 7-28-22	
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:	07/29/21 15:33	
Spiked ID 8			Ext. End Time:	07/30/21 9:35	
			GC Requires Extract By:		

pH1			Water Bath Temp 1 °C	43/42.1 °C
pH2			Water Bath Temp 2 °C	40/41.1
pH3			Water Bath Temp 3 °C	39/38.5 °C

Spiked By: YL **Date** 7/28/2021 **Witnessed By:** RP **Date** 7/28/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210728B Blk				0.250	1	1000	5	2	07/28/21 13:30	*
						equip	E-HP3 E-WB1				
2	210728B LCS-1		0.080	1	0.250	1	1000	5	2	07/28/21 13:30	*
						equip	E-HP4 E-WB2				
3	210728B LCSD-1		0.080	1	0.250	1	1000	5	2	07/28/21 13:30	*
						equip	E-HP6 E-WB3				
4	BA36547	BA36547W08			0.250	1	1000	5	2	07/28/21 13:30	96919 *
						equip	E-HP7 E-WB1				
5	BA36550	BA36550W08			0.250	1	1010	5	2	07/28/21 13:30	96919 *
						equip	E-HP8 E-WB2				
6	BA36553	BA36553W08			0.250	1	1000	5	2	07/28/21 13:30	96919 *
						equip	E-HP9 E-WB3				
7	BA36556	BA36556W07			0.250	1	1030	5	2	07/28/21 13:30	96919 *
						equip	E-HP10 E-WB1				
8	BA36559	BA36559W16			0.250	1	1040	5	2	07/28/21 13:30	96918
						equip	E-HP11 E-WB2				
9	BA36562	BA36562W17			0.250	1	1000	5	2	07/28/21 13:30	96918
						equip	E-HP12 E-WB3				
10	BA36565	BA36565W17			0.250	1	1010	5	2	07/28/21 13:30	96918
						equip	E-HP13 E-WB1				
11	BA36567	BA36567W12			0.250	1	1040	5	2	07/28/21 13:30	96918
						equip	E-HP14 E-WB2				
12	BA36570	BA36570W16			0.250	1	1040	5	2	07/28/21 14:10	96918
						equip	E-HP15 E-WB3				
13	BA36573	BA36573W10			0.250	1	1000	5	2	07/28/21 14:10	96918
						equip	E-HP16 E-WB1				
14	BA36575	BA36575W10			0.250	1	1000	5	2	07/28/21 14:10	96918
						equip	E-HP17. E-WB2				

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC155968
Dicholormethane	60338
Filter Paper	400181
Sodium Sulfate	2020120870
Silica Gel (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	CW
Date	
Time	
Refrigerator	Hobart

	Technician's Initials
Scanned By	YL
Sample Preparation	YL
Extraction	YL
Concentration	SB

Modified	10/13/2021 8:35:10 AM

Reviewed By: KY **Date** 10/13/2021

Injection Log

Directory: G:\APOLLO\DATA\210702\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	702005.D	1	DMO STD-1 07/02/21	water	7-2-21 14:35:23
2	6	702006.D	1	DMO STD-2 07/02/21	water	7-2-21 15:03:41
3	7	702007.D	1	DMO STD-3 07/02/21	water	7-2-21 15:32:00
4	8	702008.D	1	DMO STD-4 07/02/21	water	7-2-21 16:01:03
5	9	702009.D	1	DMO STD-5 07/02/21	water	7-2-21 16:29:22
6	10	702010.D	1	DMO STD-6 07/02/21	water	7-2-21 16:57:44
7	11	702011.D	1	DMO STD-7 07/02/21	water	7-2-21 17:26:03
8	12	702012.D	1	DMO STD-SS 07/02/21	water	7-2-21 17:54:24
9	65	808065.D	1	Diesel Motor Oil CCV-8/5/21	water	8-9-21 19:46:58
10	66	808066.D	5	210728B BLK 5/1000	water	8-9-21 20:15:17
11	67	808067.D	5	210728B LCS-1 5/1000	water	8-9-21 20:43:40
12	68	808068.D	5	210728B LCSD-1 5/1000	water	8-9-21 21:11:59
13	69	808069.D	5	BA36547W08 5/1000	water	8-9-21 21:40:21
14	70	808070.D	4.9505	BA36550W08 5/1010	water	8-9-21 22:08:37
15	71	808071.D	5	BA36553W08 5/1000	water	8-9-21 22:36:59
16	72	808072.D	4.85437	BA36556W07 5/1030	water	8-9-21 23:05:29
17	76	808076.D	1	Diesel Motor Oil CCV-8/5/21	water	8-10-21 0:59:20

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																	
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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

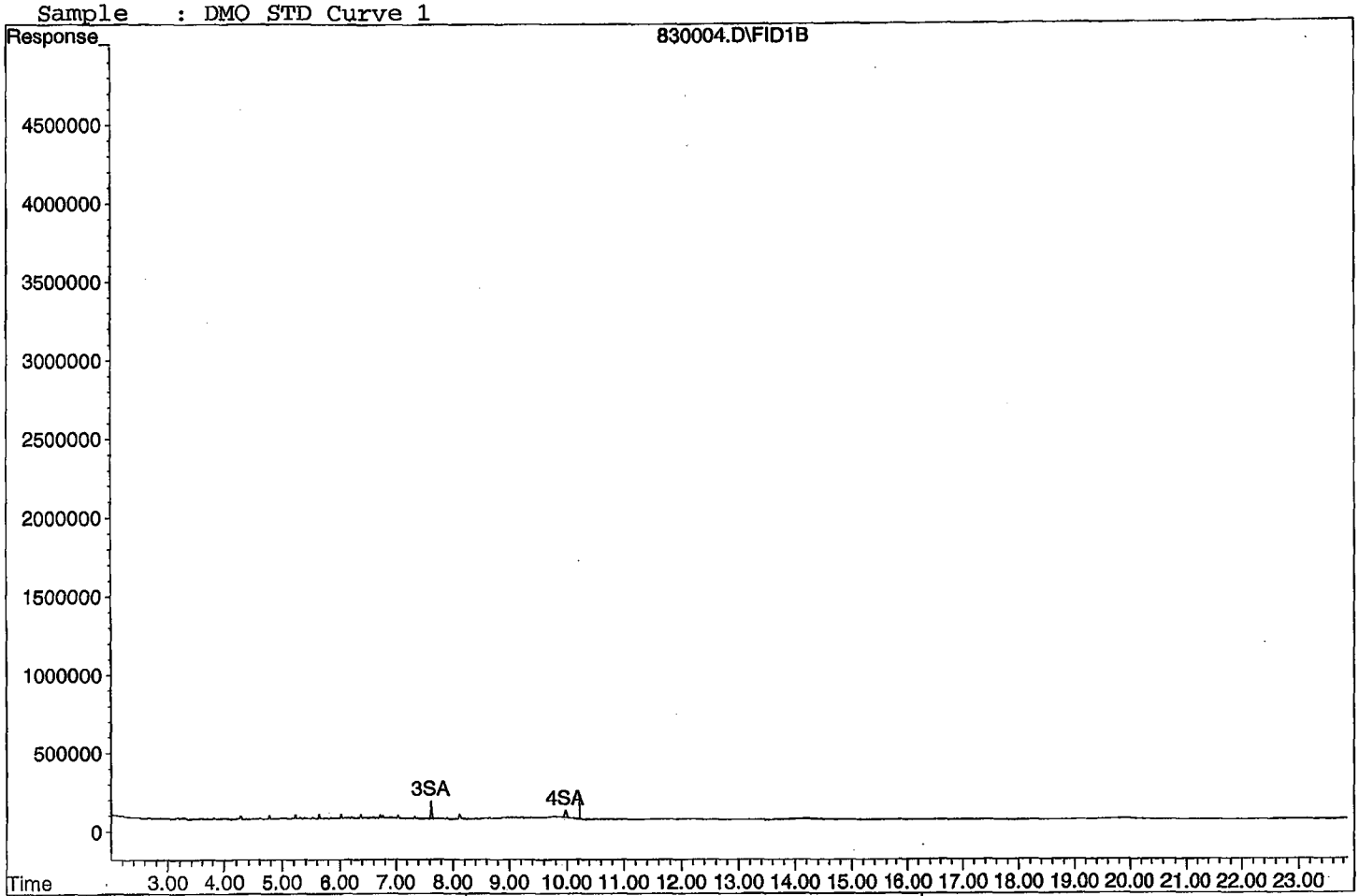
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

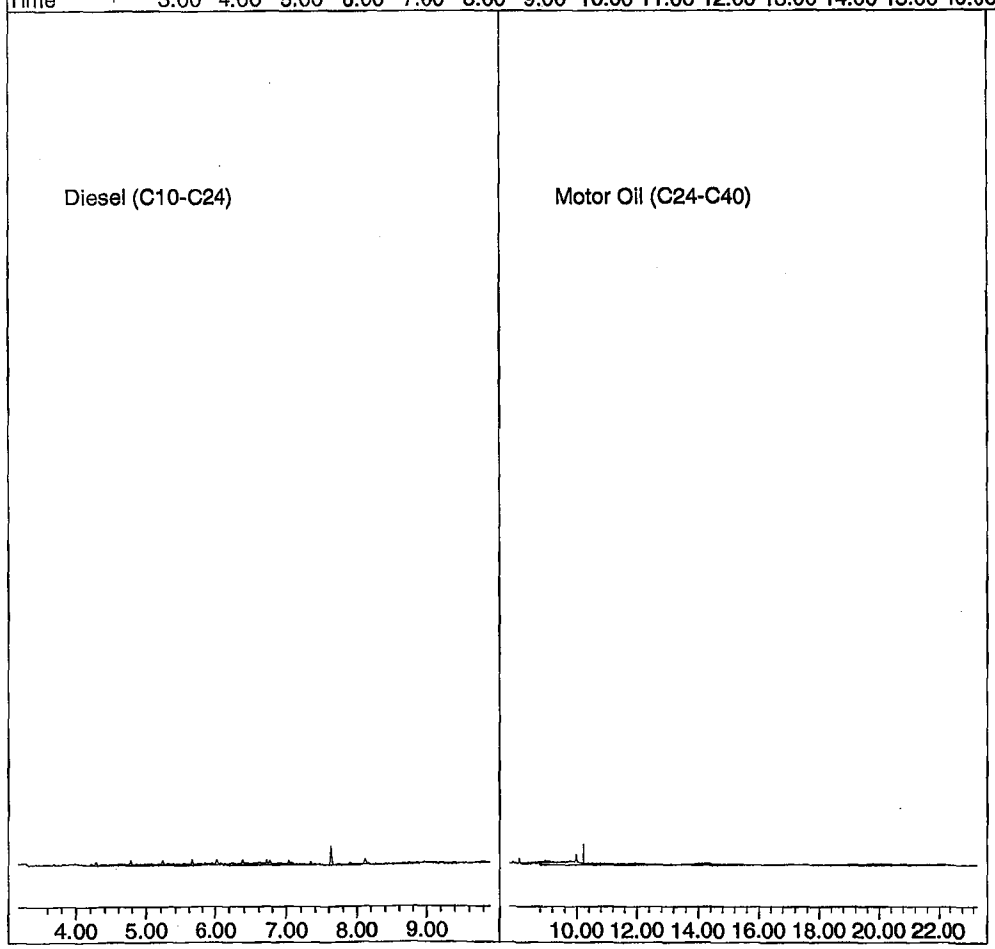
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1426613	0.275 ppb
Surrogate Spike 30.000	Recovery =		0.92%
4) SA Octacosane(S)	9.98	1055167	0.274 ppb
Surrogate Spike 30.000	Recovery =		0.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	19960961	4.942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

(f)=RT Delta > 1/2 Window

(m)=manual int.
830004.D DOC0830.M Wed Sep 08 12:56:13 2021

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

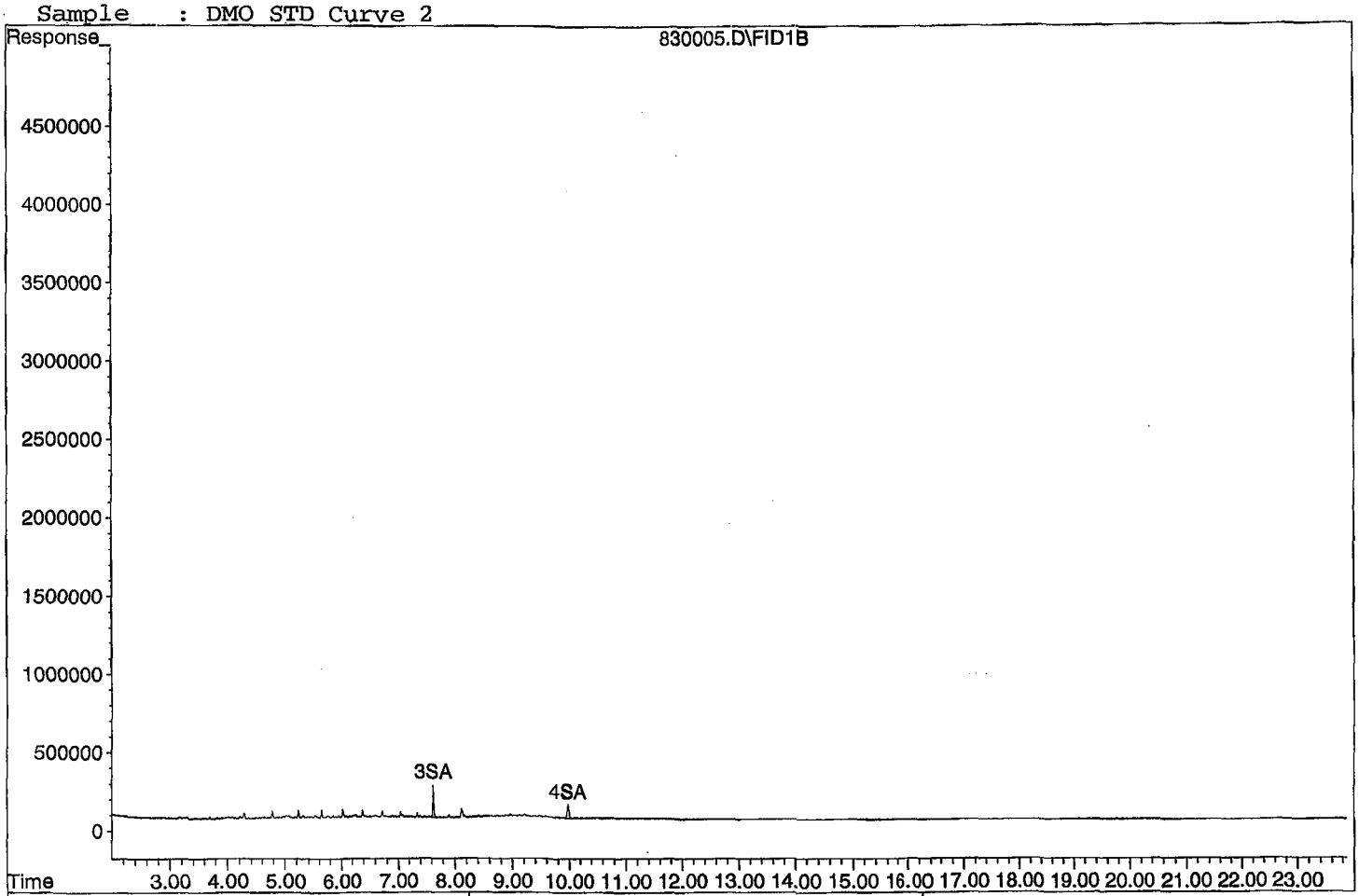
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

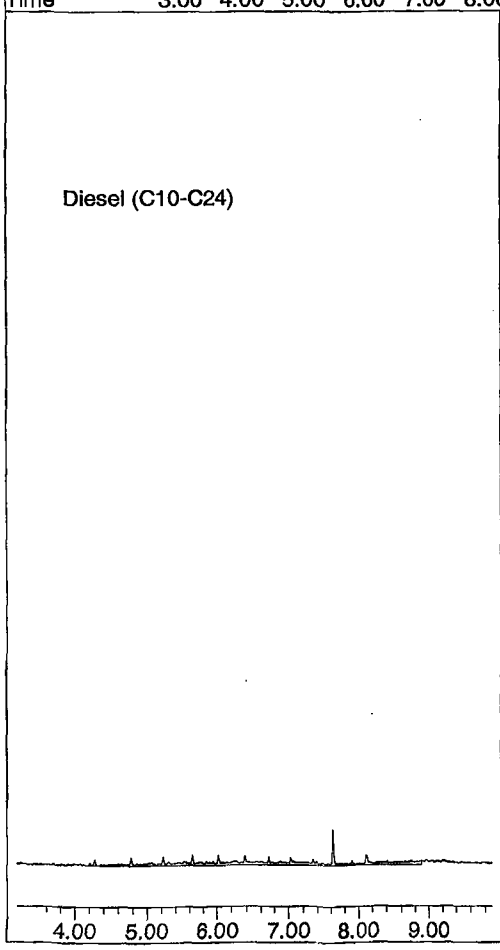
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

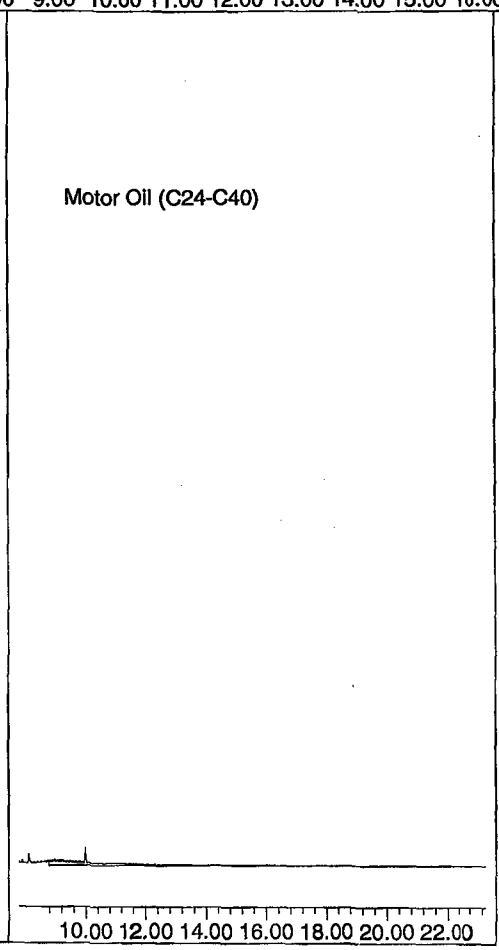
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2657484	0.513 ppb
Surrogate Spike 30.000	Recovery =		1.71%
4) SA Octacosane(S)	9.98	1874119	0.486 ppb
Surrogate Spike 30.000	Recovery =		1.62%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	41930088	10.381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

Target Compounds

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







Quantitation Report (Not Reviewed)

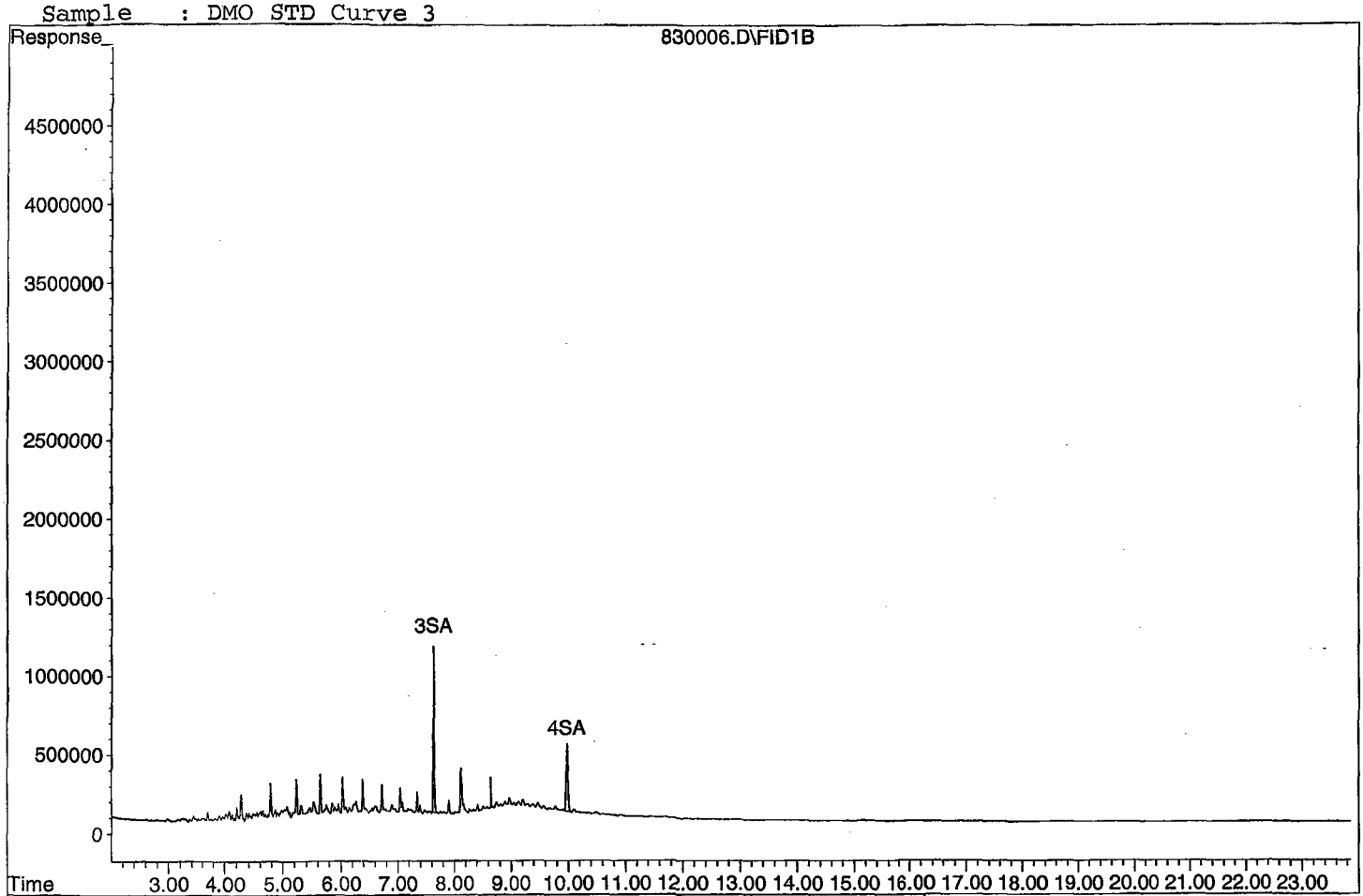
Data File : G:\APOLLO\DATA\210830\830006.D Vial: 6
Acq On : 8-30-21 15:20:31 Operator: KA
Sample : DMO STD Curve 3 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 8 12:55 2021 Quant Results File: DOC0830.RES

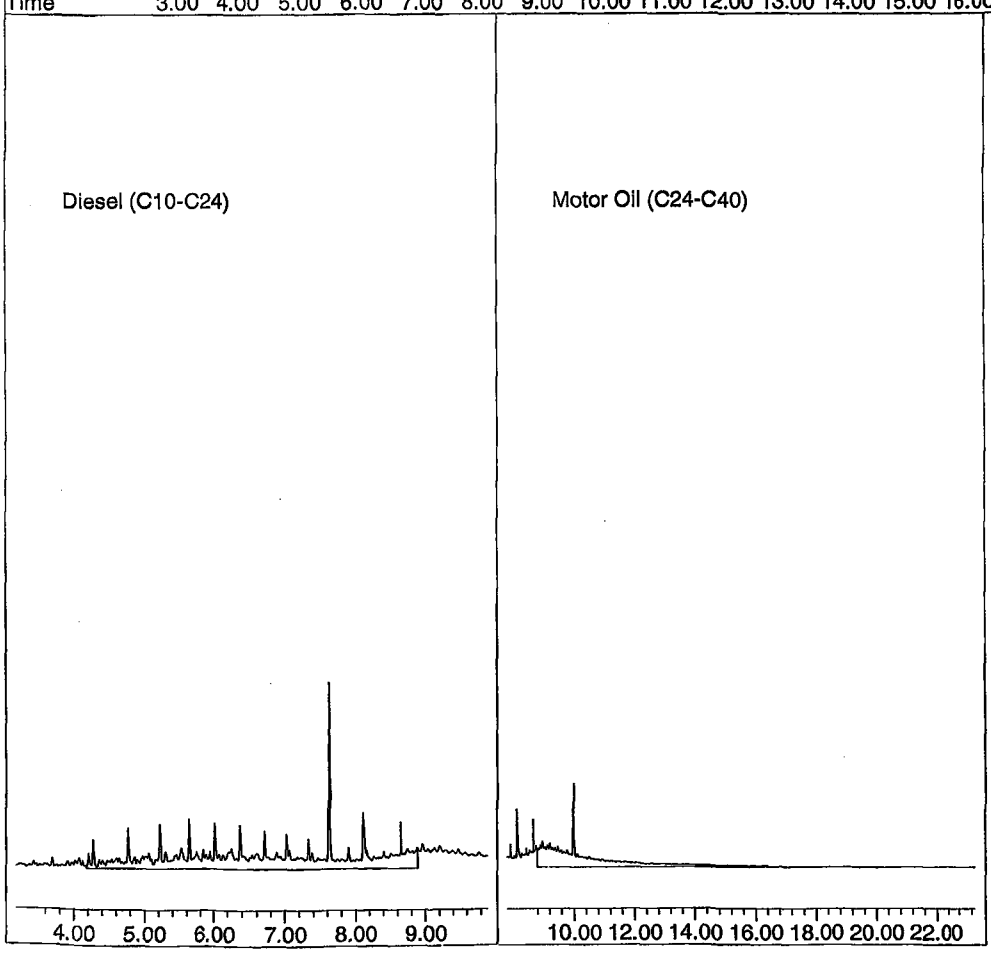
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

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			

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

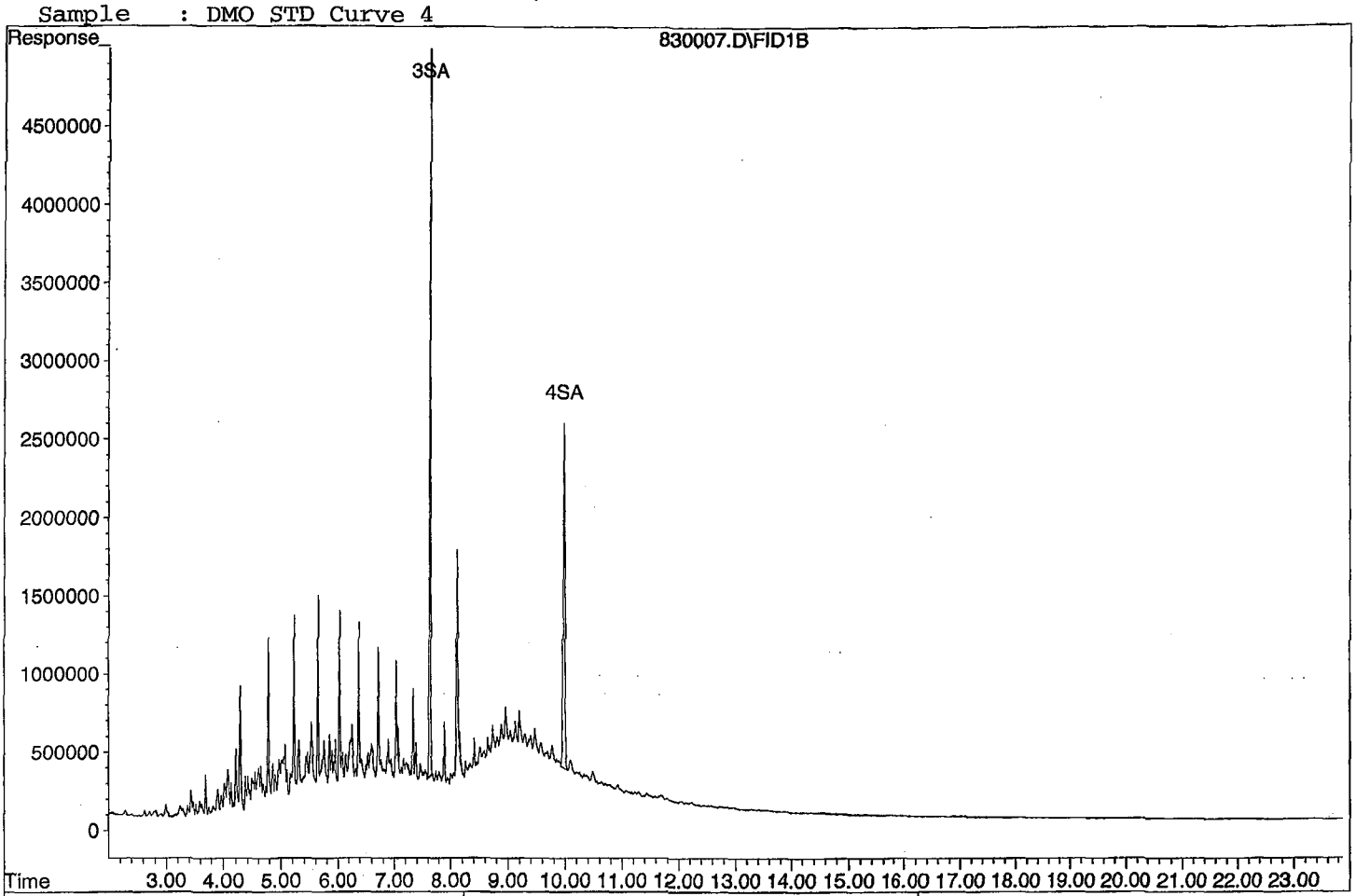
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

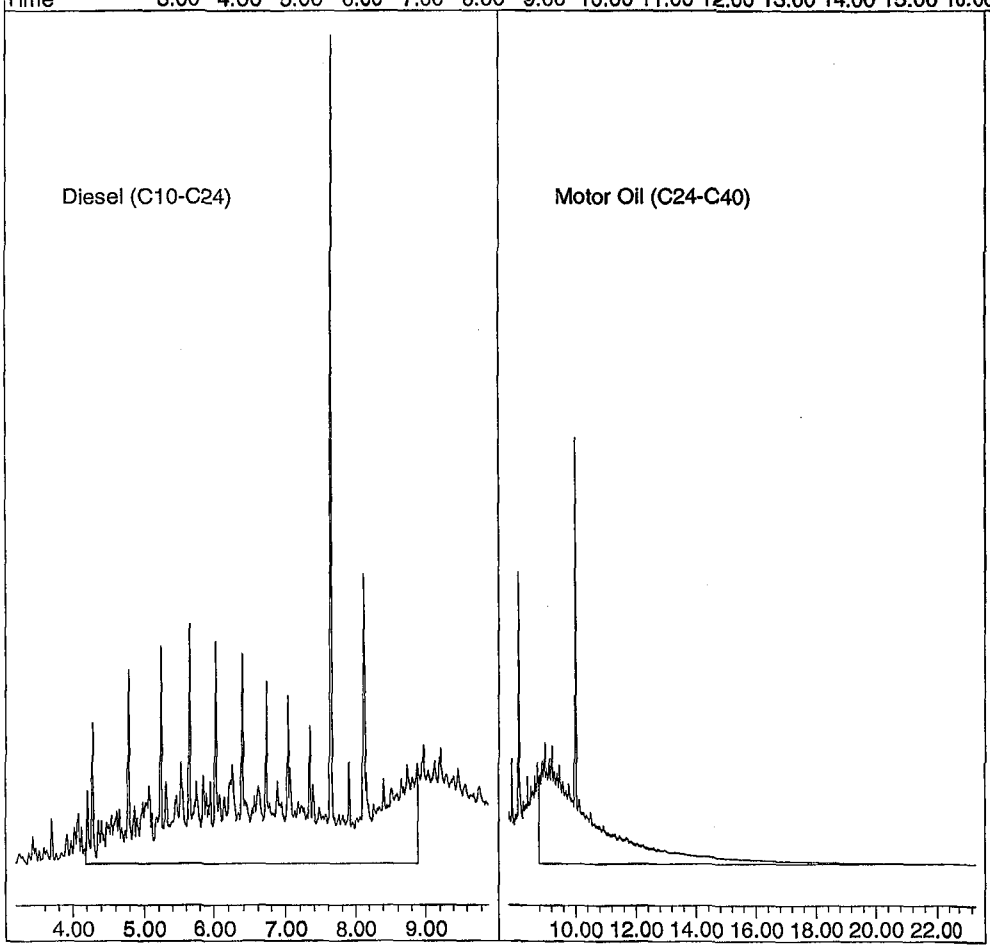
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

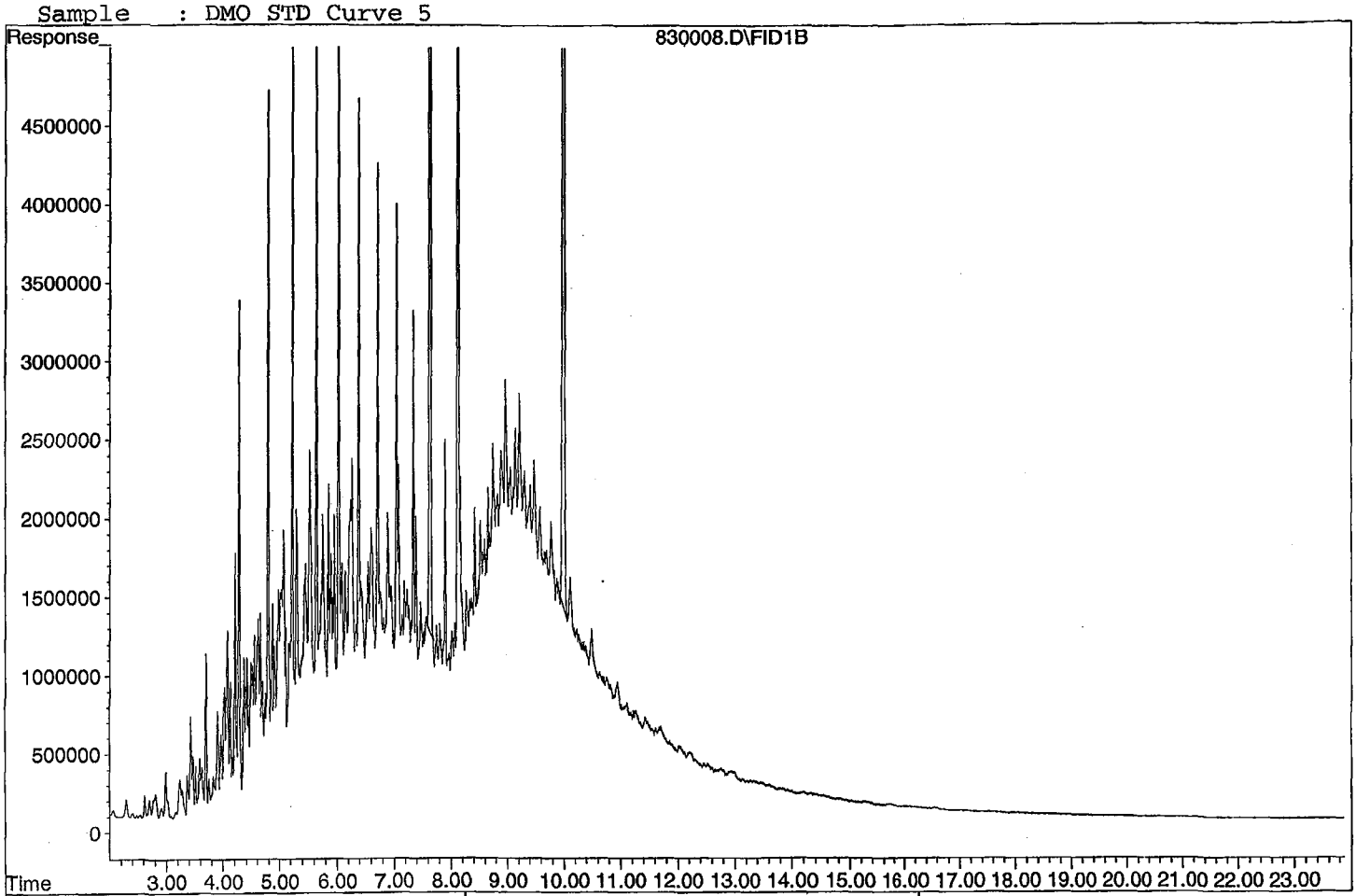
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

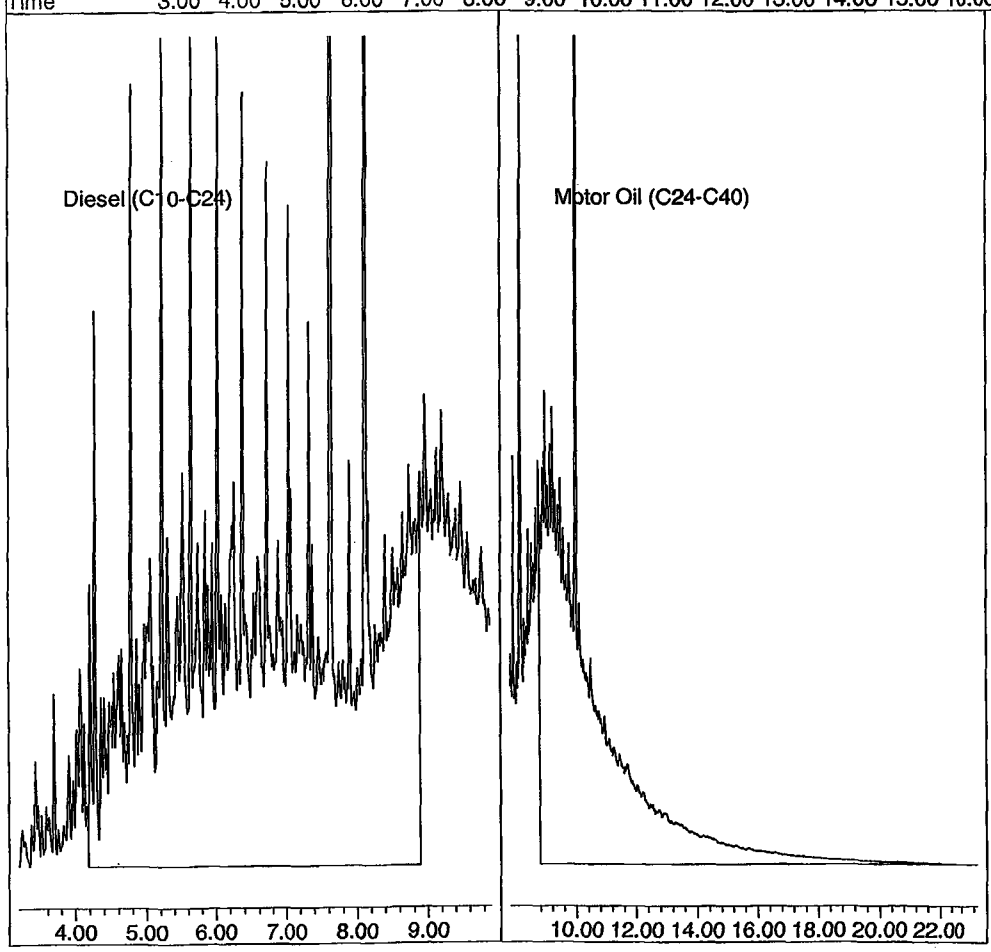
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

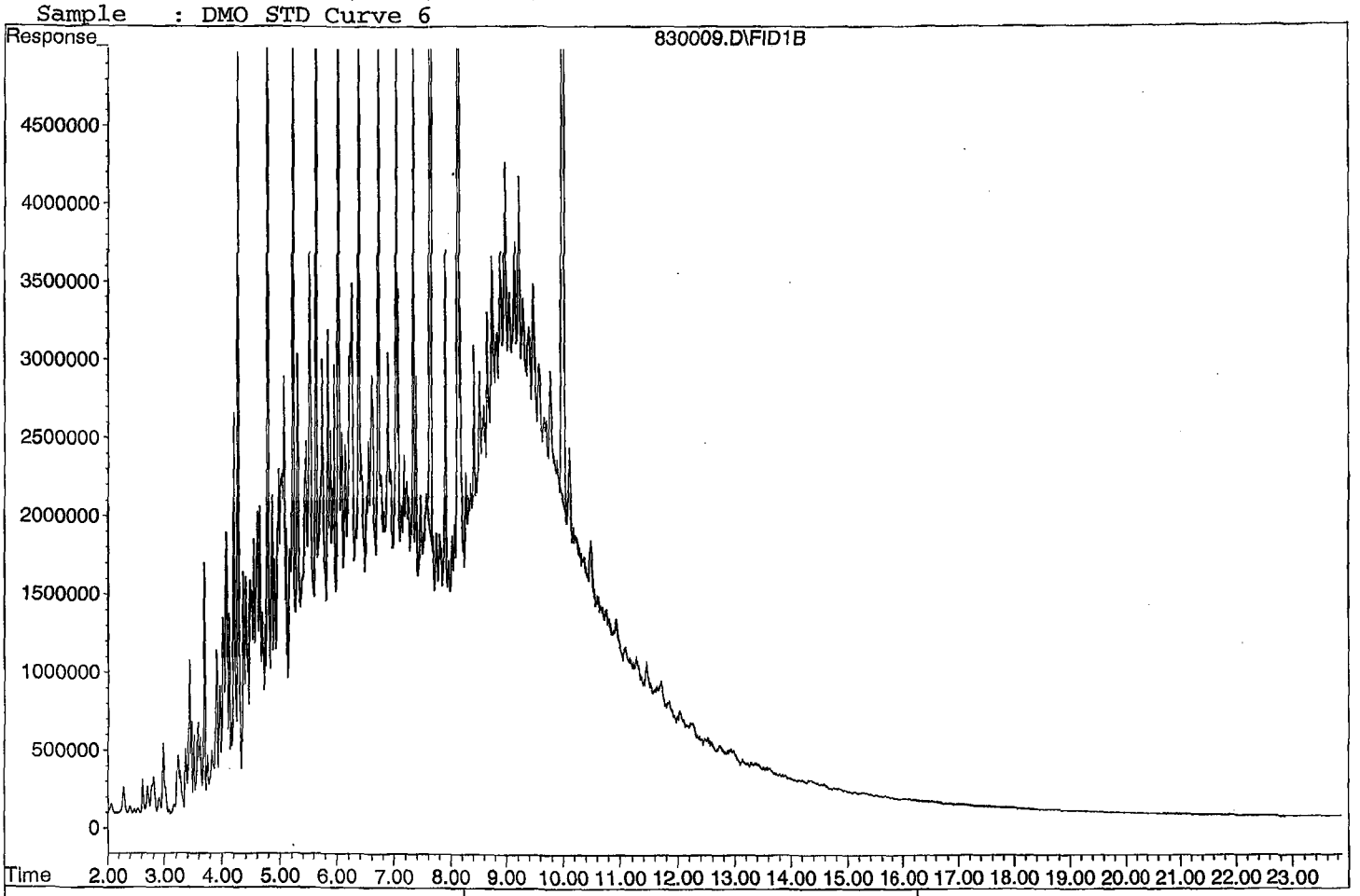
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	362896579	70.038 ppb
Surrogate Spike 30.000		Recovery =	233.46%
4) SA Octacosane(S)	10.00	279638971	72.582 ppb
Surrogate Spike 30.000		Recovery =	241.94%
Target Compounds			
1) HATM Diesel (C10-C24)	6.54	5958866170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

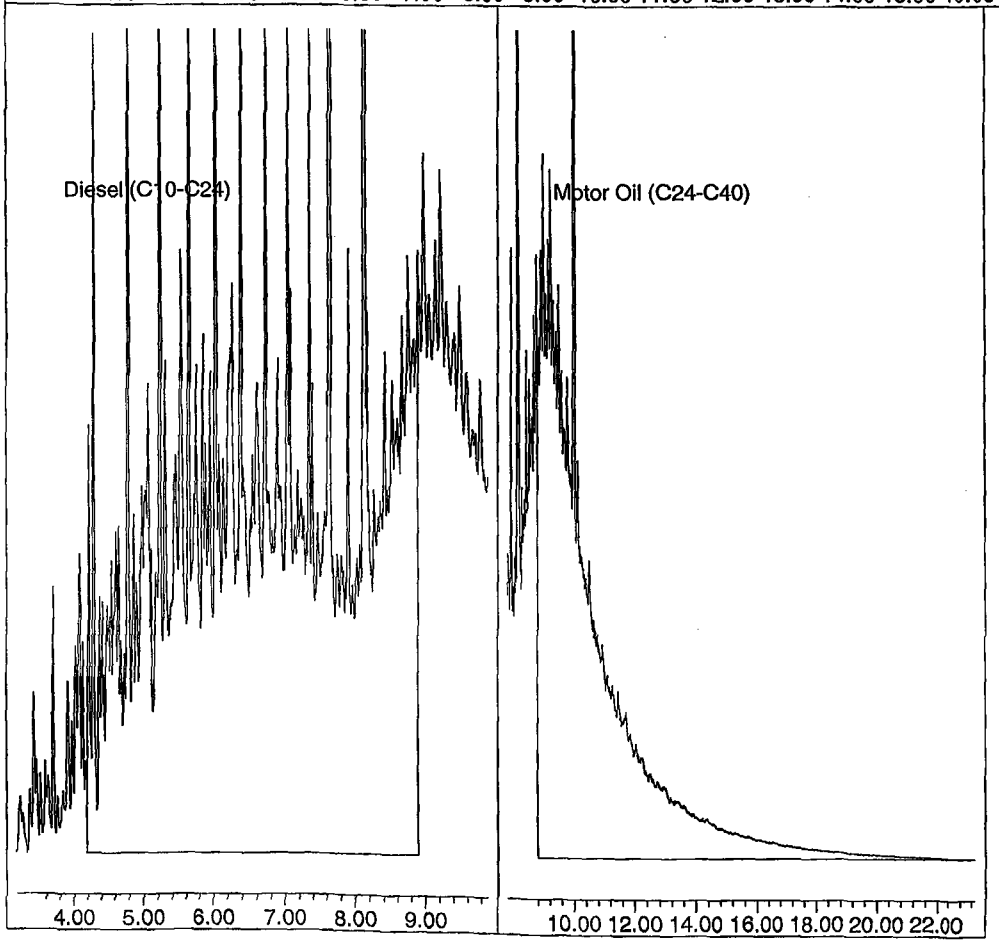
(f)=RT Delta > 1/2 Window

(m)=manual int.

Quantitation Report

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

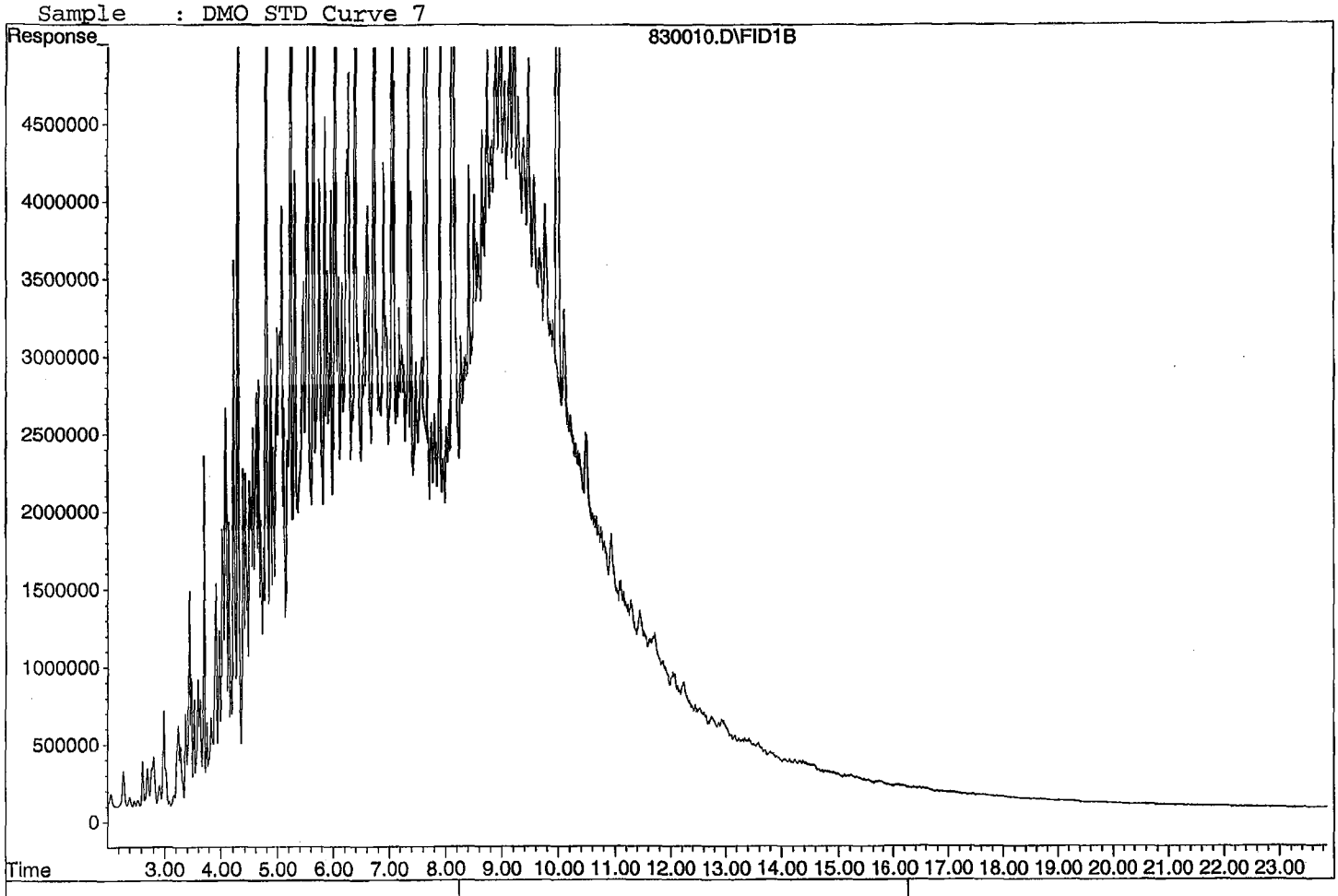
Method : G:\APOLLO\DATA\210830\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Aug 31 09:20:02 2021
Response via : Multiple Level Calibration

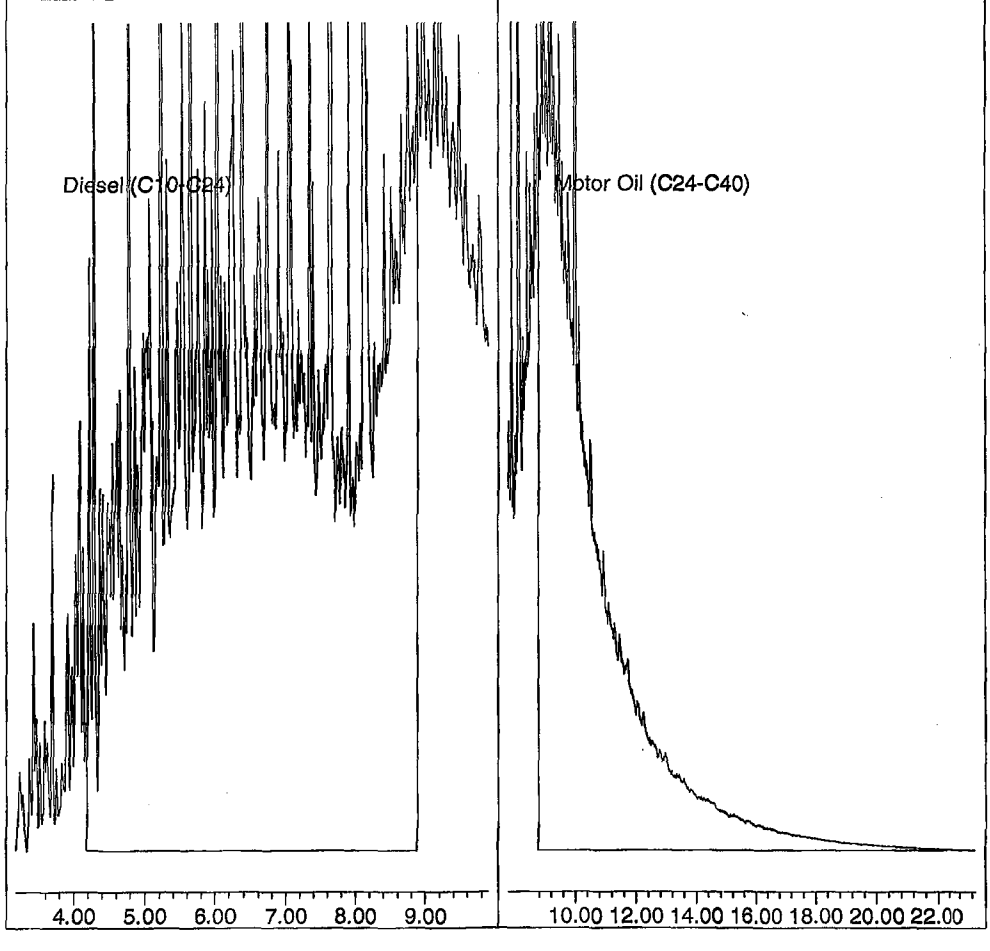
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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





150 of 471

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							
5							
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37							
38							
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

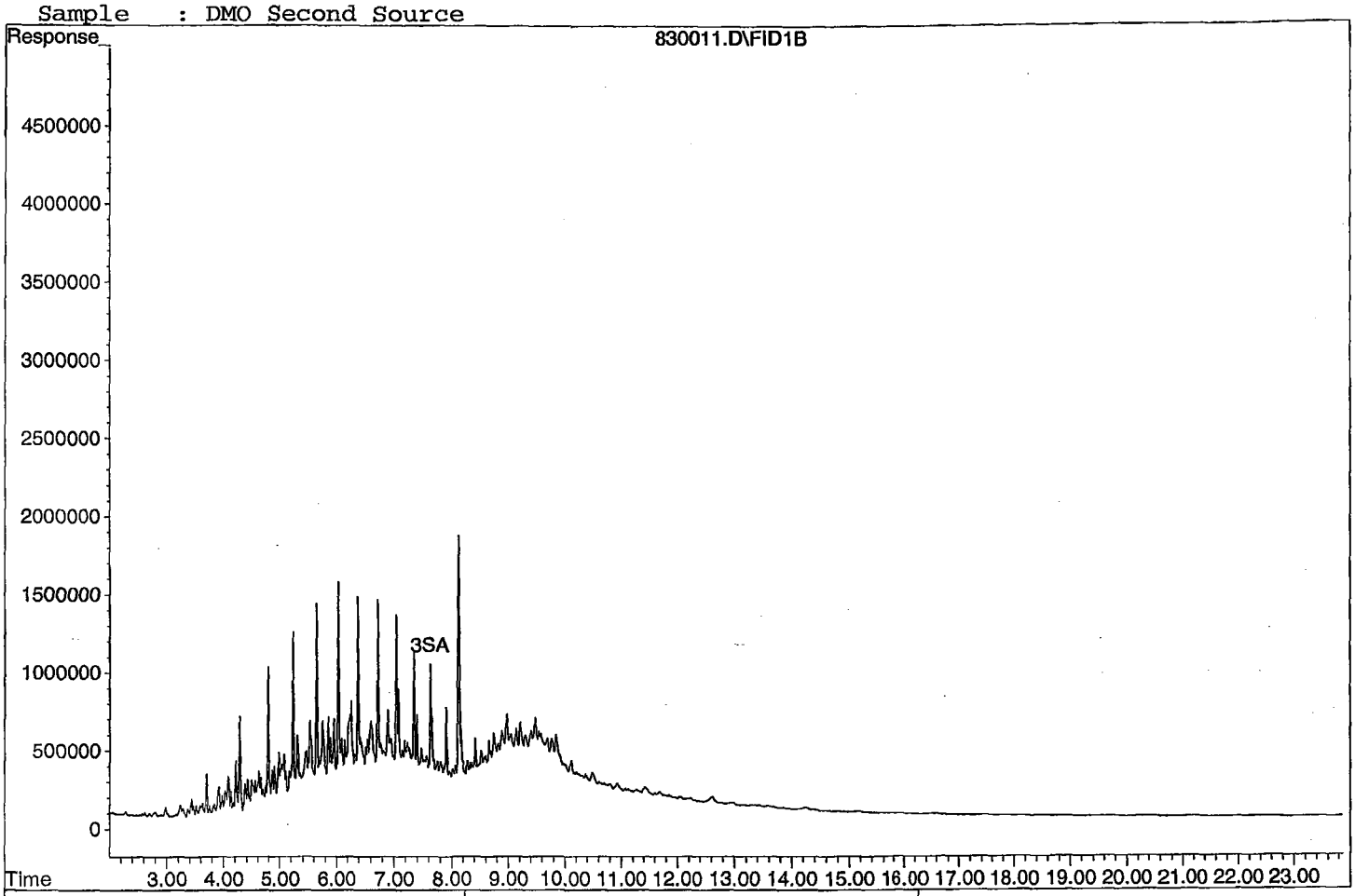
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.62	4475122	0.864	ppb
Surrogate Spike 30.000	Recovery =		2.88%	
4) SA Octacosane(S)	9.98	-56148	N.D.	ppb
Surrogate Spike 30.000	Recovery =		0.00%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.54	1110816428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

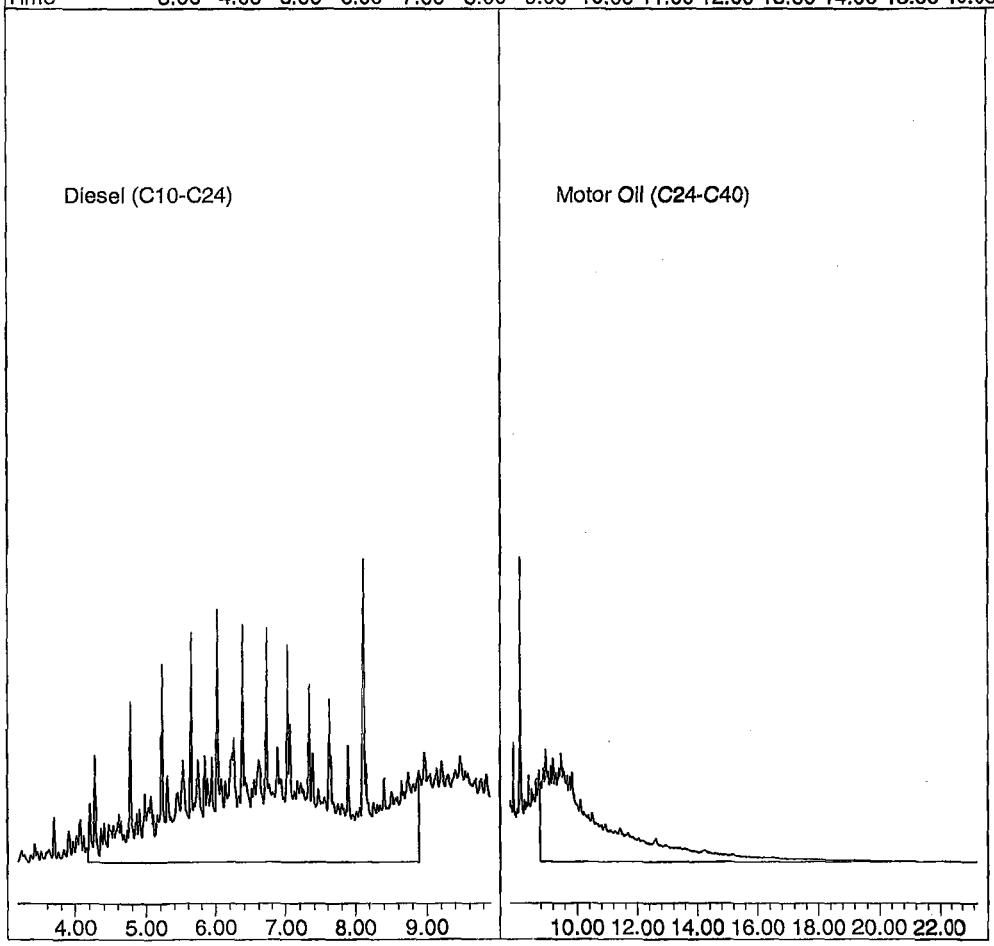
Target Compounds

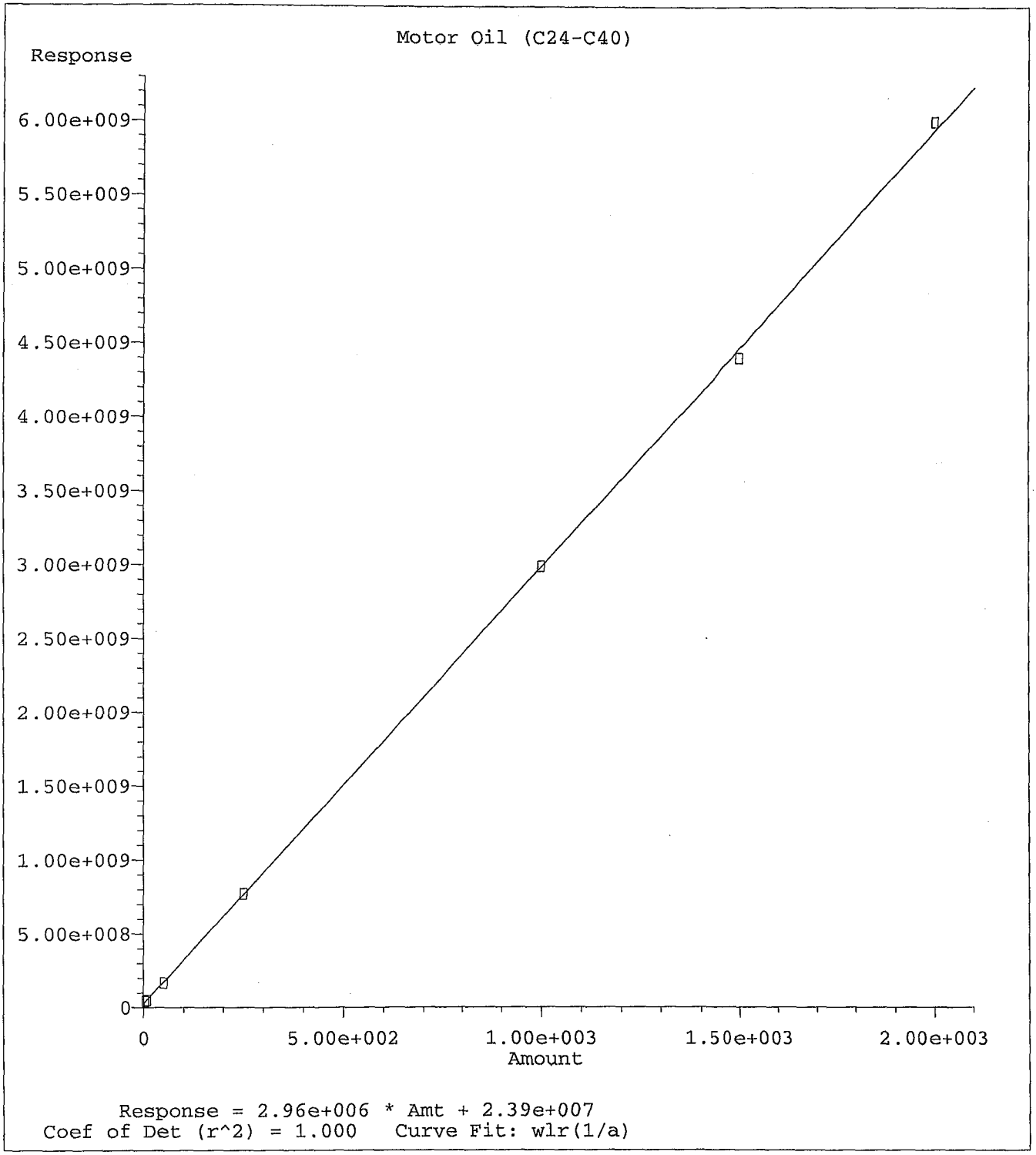
(f)=RT Delta > 1/2 Window

(m)=manual int.
830011.D DOC0830.M Wed Sep 08 12:56:26 2021

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
DEC0911

Form 6
Initial Calibration

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

		Compound	1	2	3	4	5	6					Avg	%RSD	Type	r^2	Q
			911002.D	911003.D	911004.D	911005.D	911006.D	911007.D									
1	SC	Decanoic Acid(S)	883995	1084261	1313446	1384667	1522107	1509937					1283069	20	SC		*
2																	
3																	
4																	
5																	
6																	
7																	
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35														0.562142			

Quantitation Report (Not Reviewed)

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

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

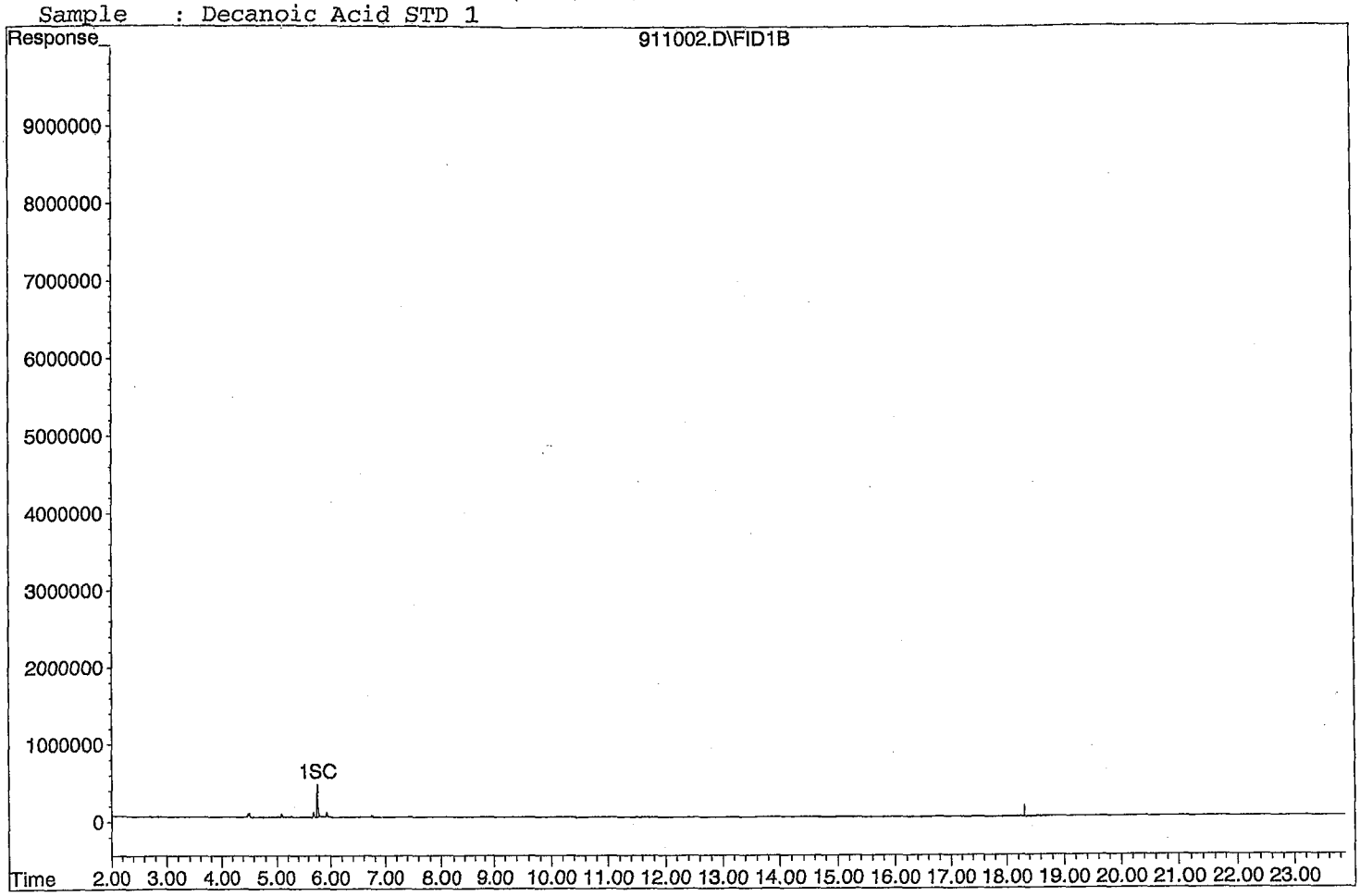
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

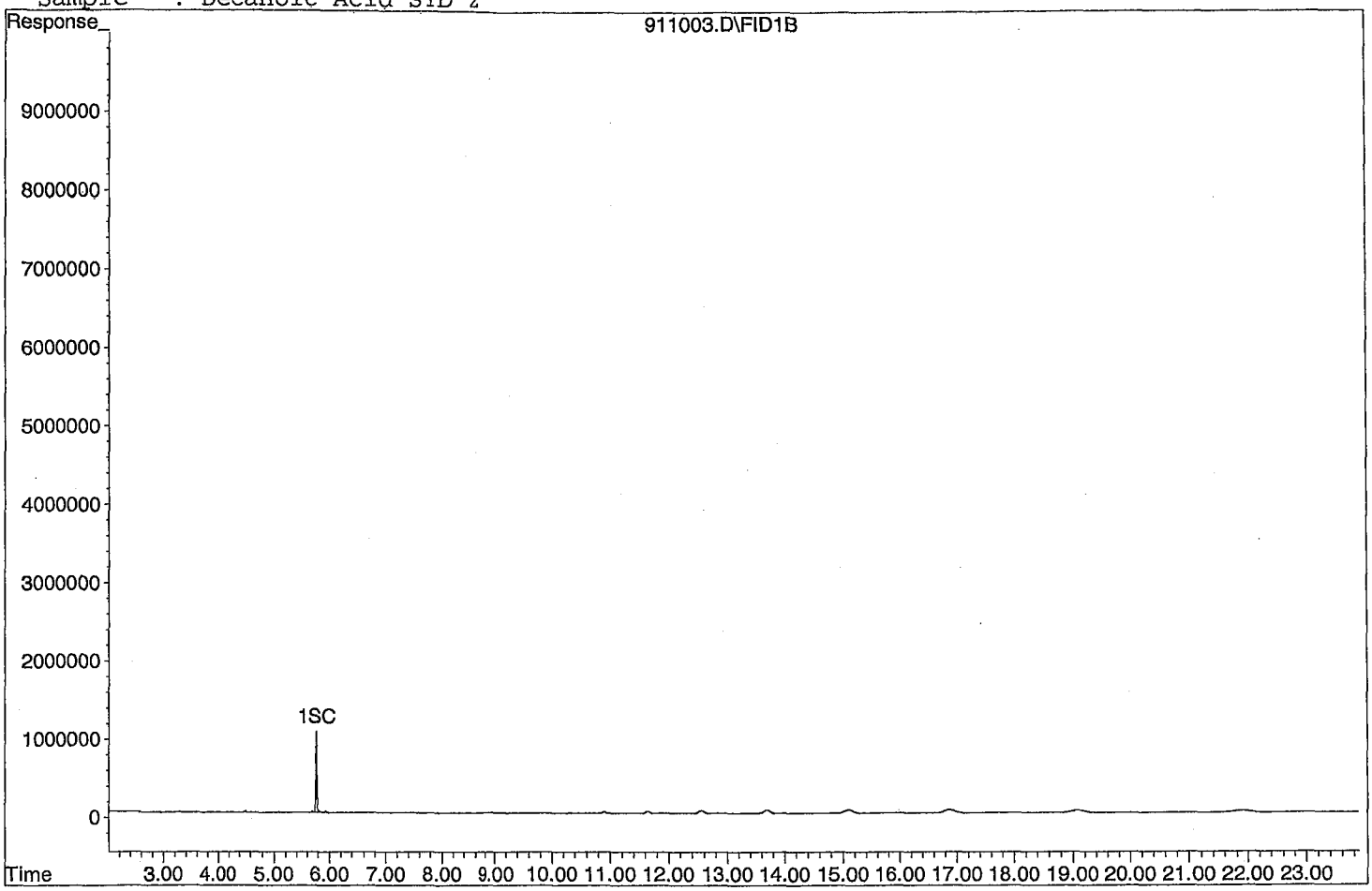
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

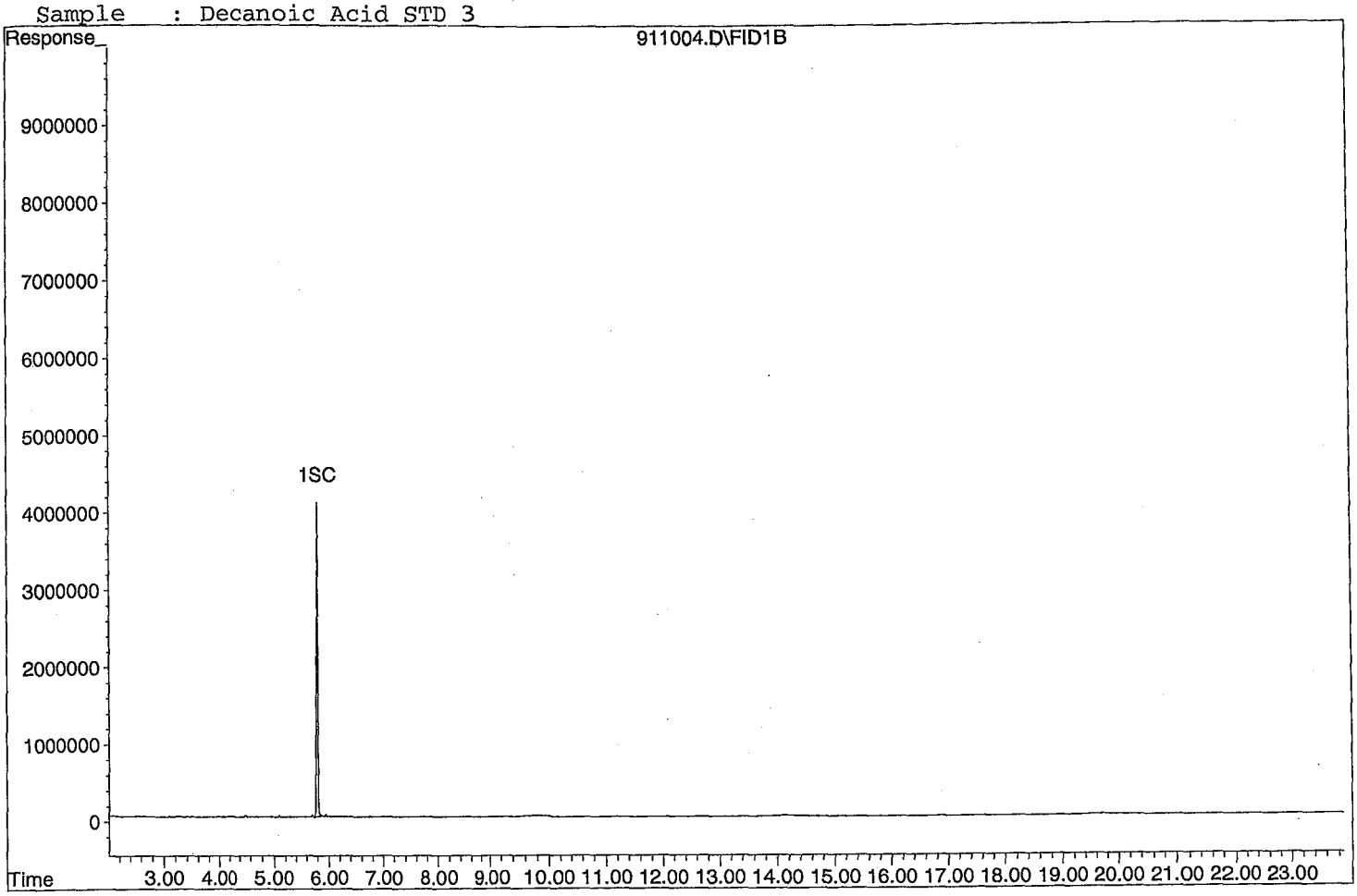
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

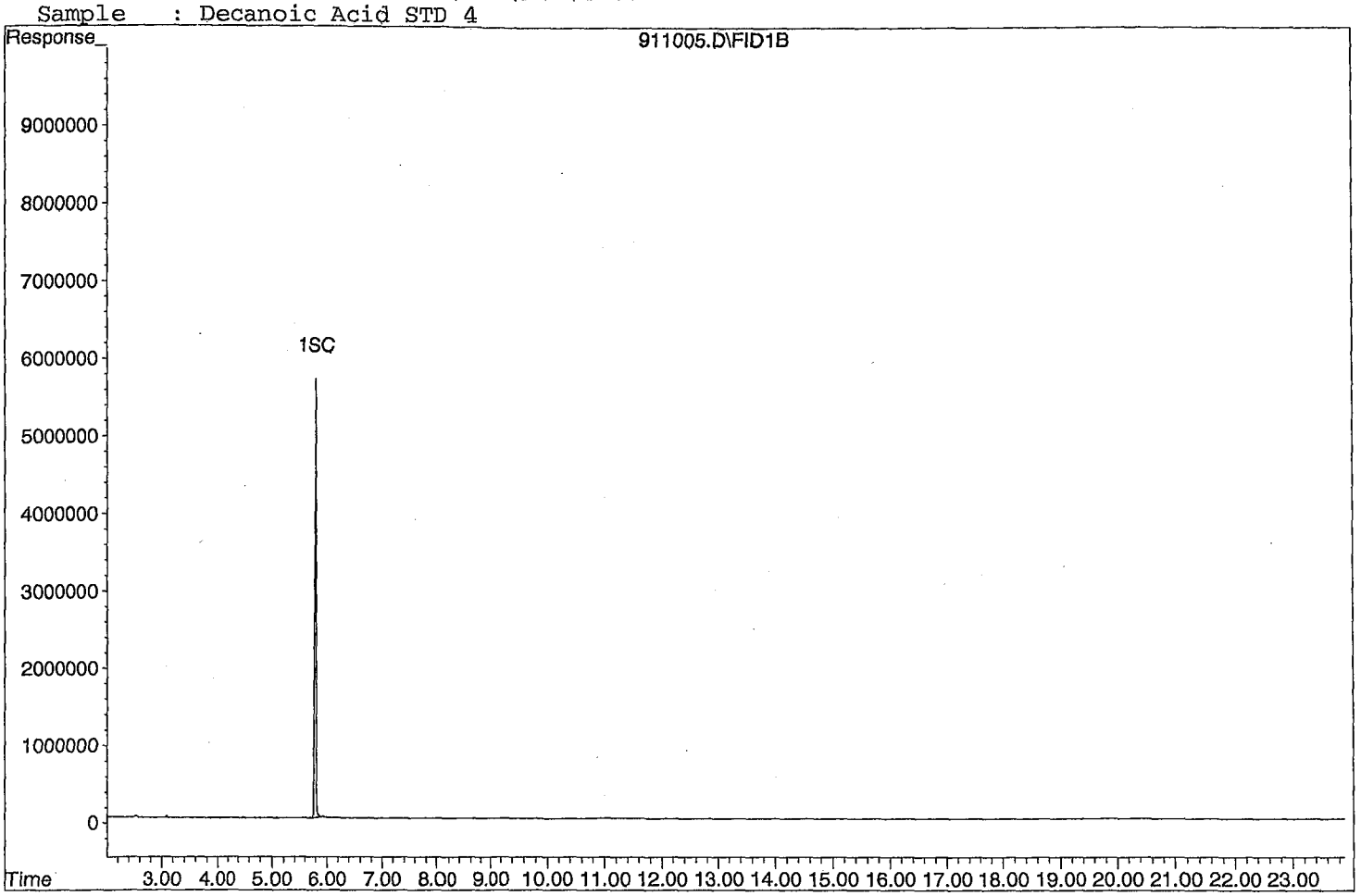
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

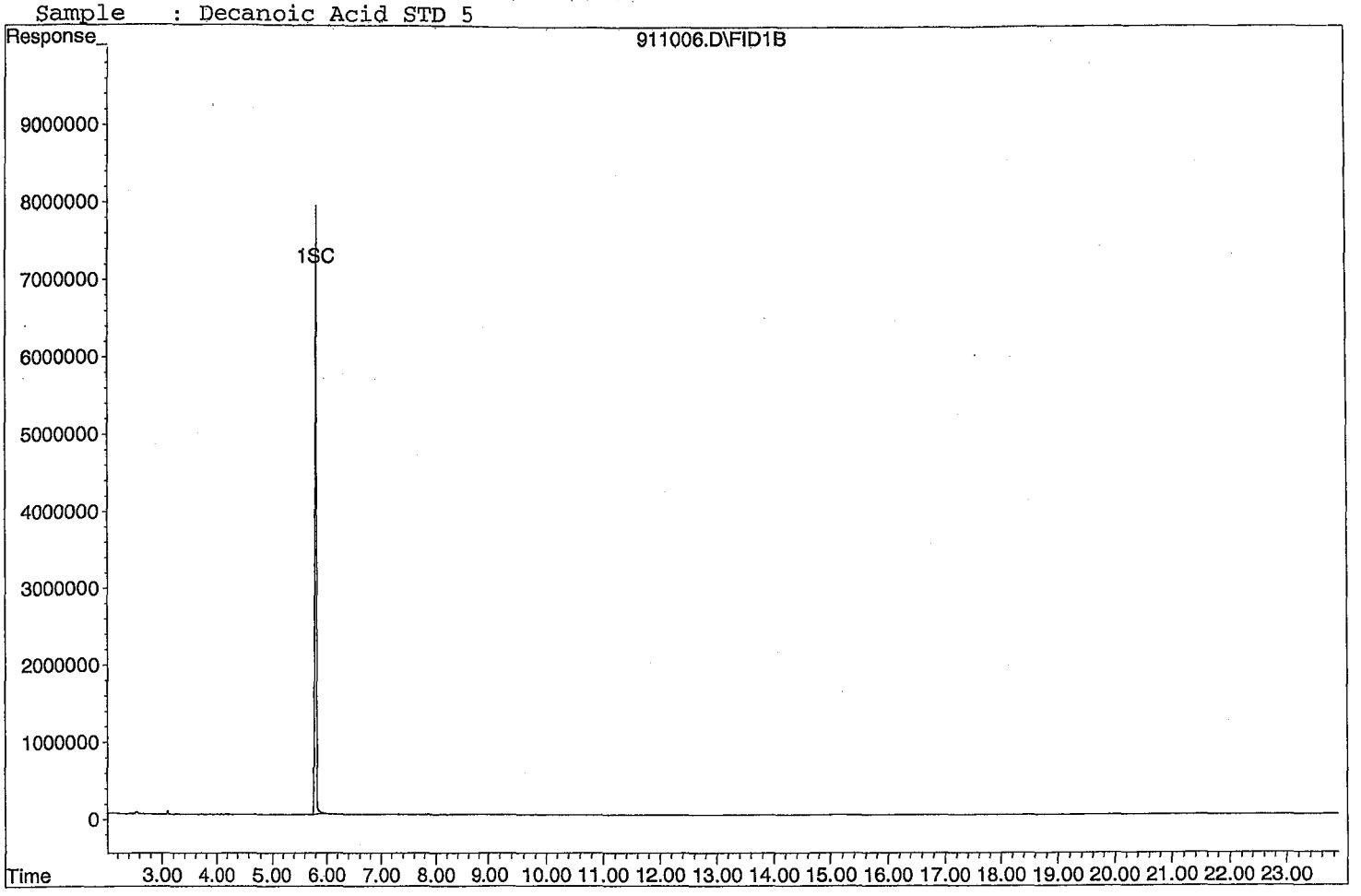
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



Quantitation Report (Not Reviewed)

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

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

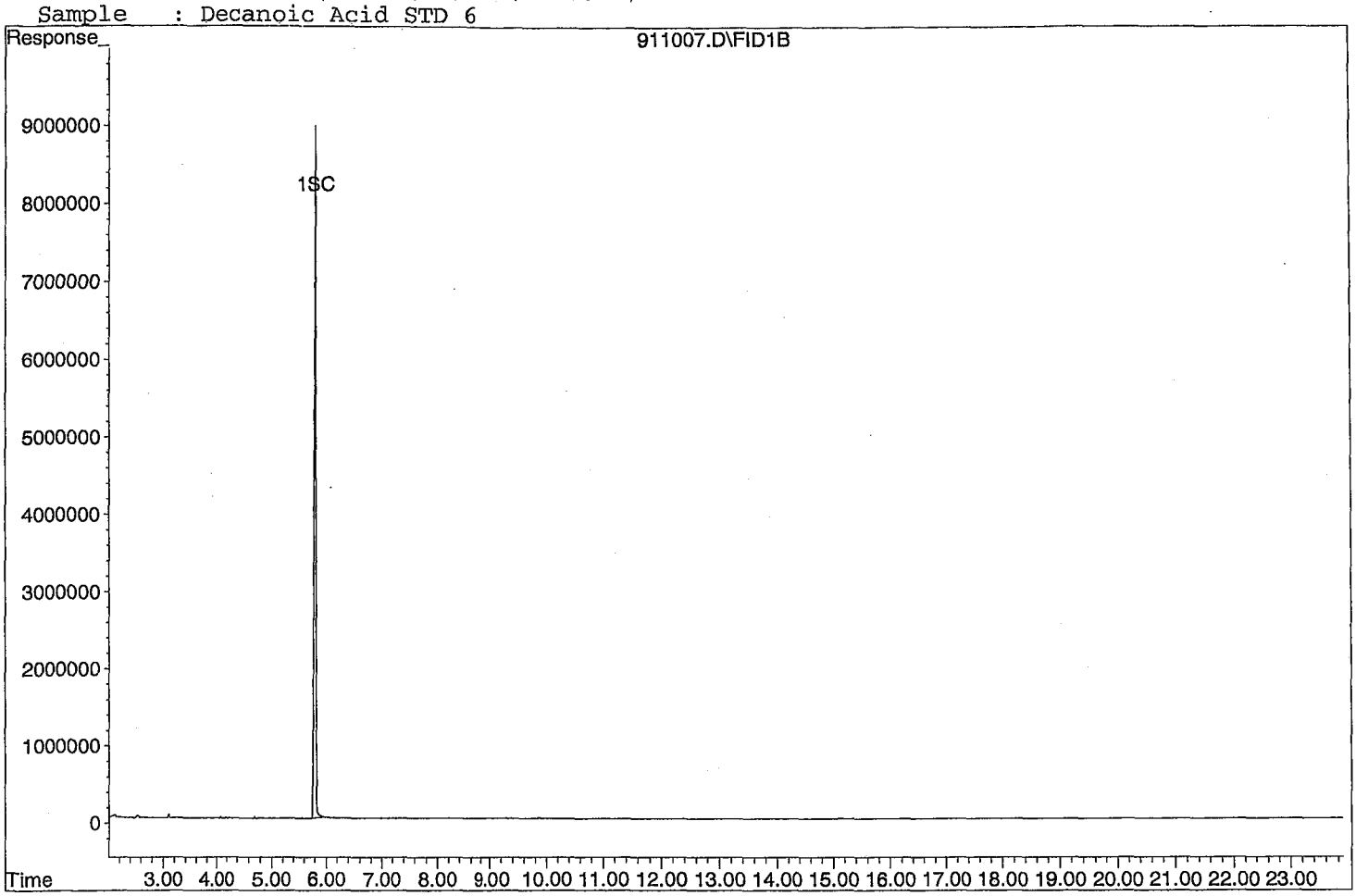
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

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

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

Quantitation Report

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



TPH Extractables
DOC0830

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9/30/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 928072.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2190300	8.5	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1818650	11	HBTML	20
3	SA	Ortho-Terphenyl(S)	2590720	2841830	9.7	SA	
4	SA	Octacosane(S)	1926380	2097050	8.9	SA	
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		Average			9.5		

Quantitation Report (Not Reviewed)

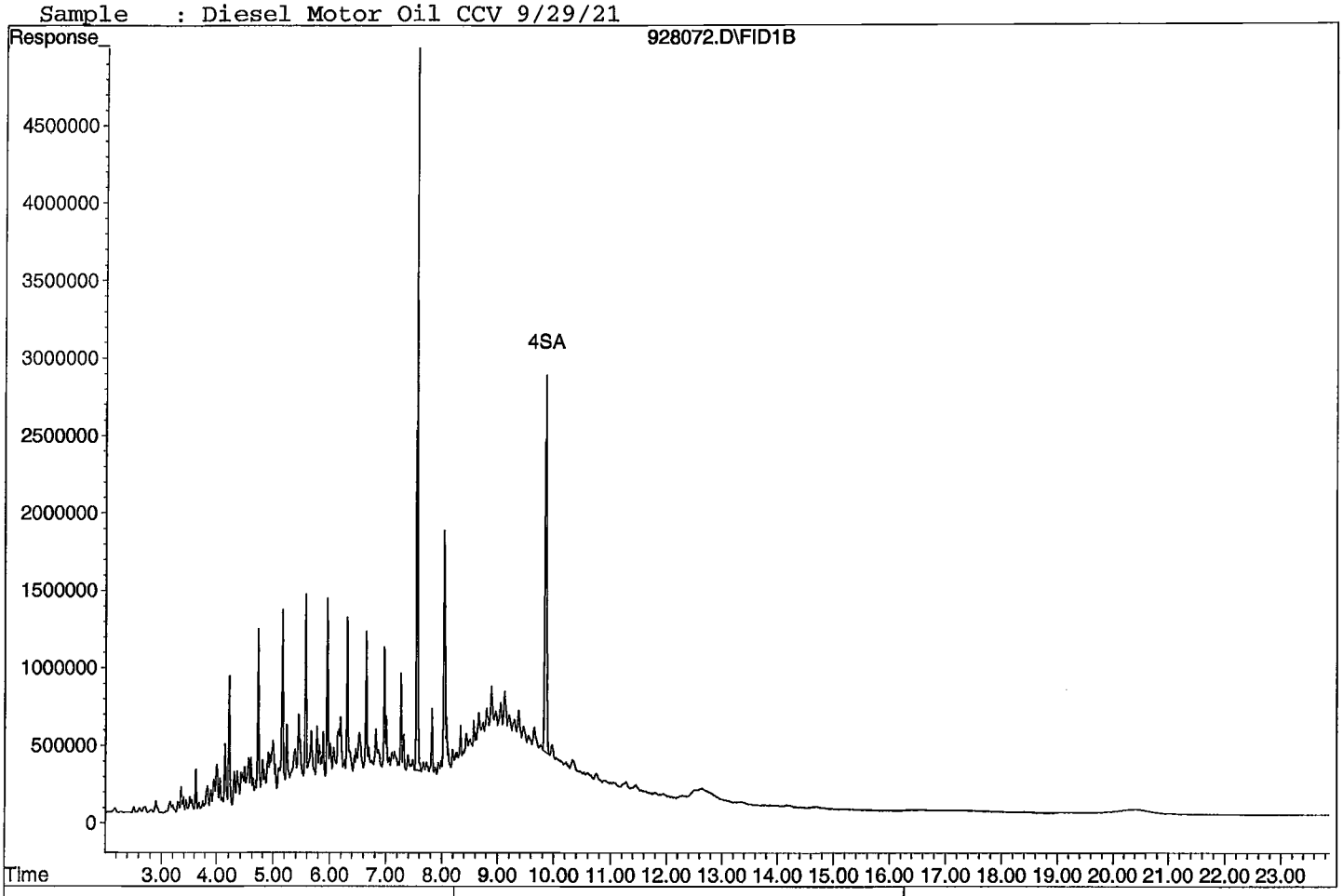
Data File : G:\APOLLO\DATA\210928\928072.D Vial: 72
Acq On : 9-30-21 2:26:53 Operator: KA
Sample : Diesel Motor Oil CCV 9/29/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 8:59 2021 Quant Results File: DOC0830.RES

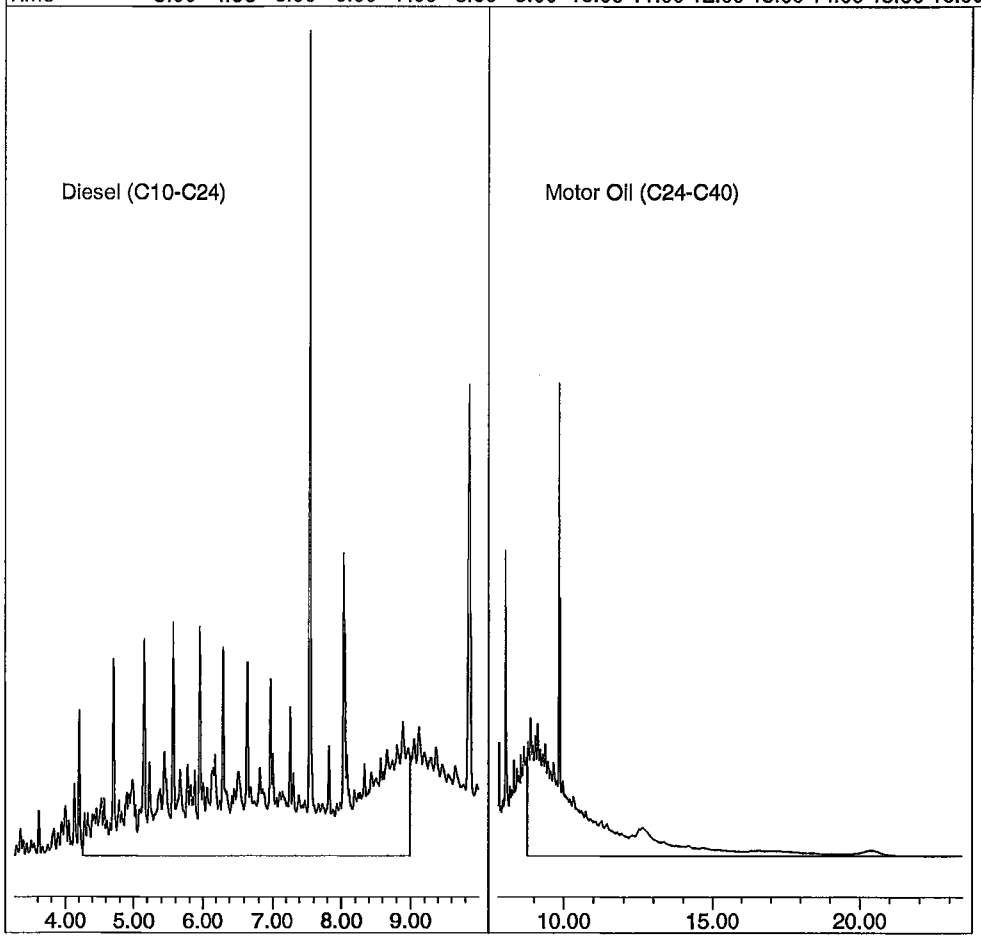
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	71045778	13.712 ppb
Surrogate Spike 30.000		Recovery =	45.71%
4) SA Octacosane(S)	9.86	52426371	13.608 ppb
Surrogate Spike 30.000		Recovery =	45.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1095150729	271.131 ppb
2) HBTM Motor Oil (C24-C40)	15.62	909327252	299.282 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210928\928072.D
Sample : Diesel Motor Oil CCV 9/29/21





TPH Extractables
DEC0911

Form 7
Continuing Calibration

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

SDG No:
Date Analyzed: 9/30/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 928073.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1304050	1.6	SC	
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		Average			1.6		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210928\928073.D Vial: 73
Acq On : 9-30-21 2:55:01 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 12:49 2021 Quant Results File: DEC0911.RES

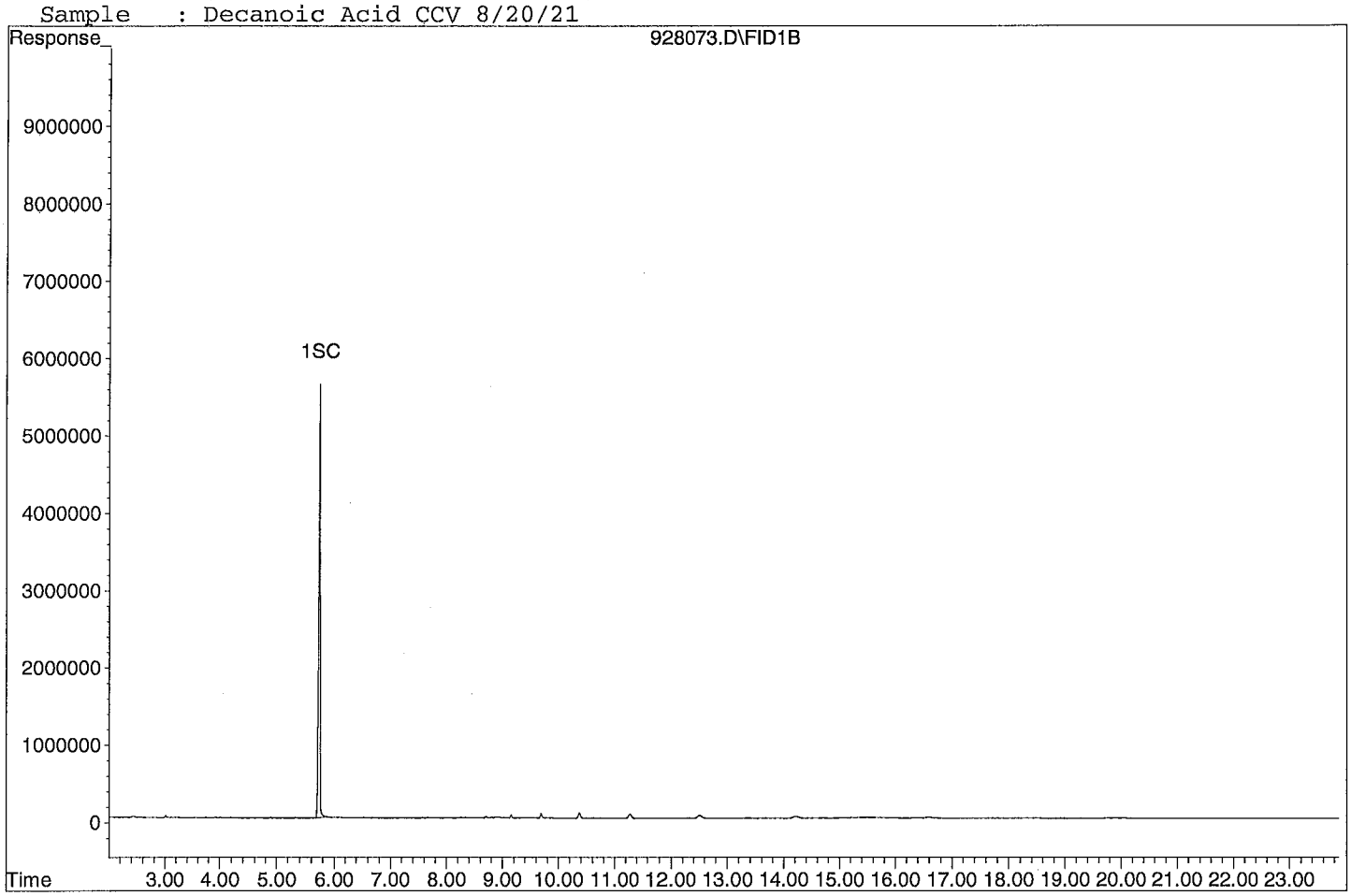
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.74f	93891601	36.589 ppb
Surrogate Spike 24.000		Recovery =	152.45%
Target Compounds			
Target Compounds			

Quantitation Report

Data File: G:\APOLLO\DATA\210928\928073.D
Sample : Decanoic Acid CCV 8/20/21



TPH Extractables
DOC0830

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9/30/2021
Instrument: Apollo
Initial Cal. Date: 8/30/2021
Data File: 928081.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2019600	2250910	11	HATM	
2	HBTM	Motor Oil (C24-C40)	2035830	1795840	12	HBTML	18
3	SA	Ortho-Terphenyl(S)	2590720	2841060	9.7	SA	
4	SA	Octacosane(S)	1926380	2133850	11	SA	
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		Average			10.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210928\928081.D Vial: 81
Acq On : 9-30-21 6:40:01 Operator: KA
Sample : Diesel Motor Oil CCV 9/29/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Sep 30 8:57 2021 Quant Results File: DOC0830.RES

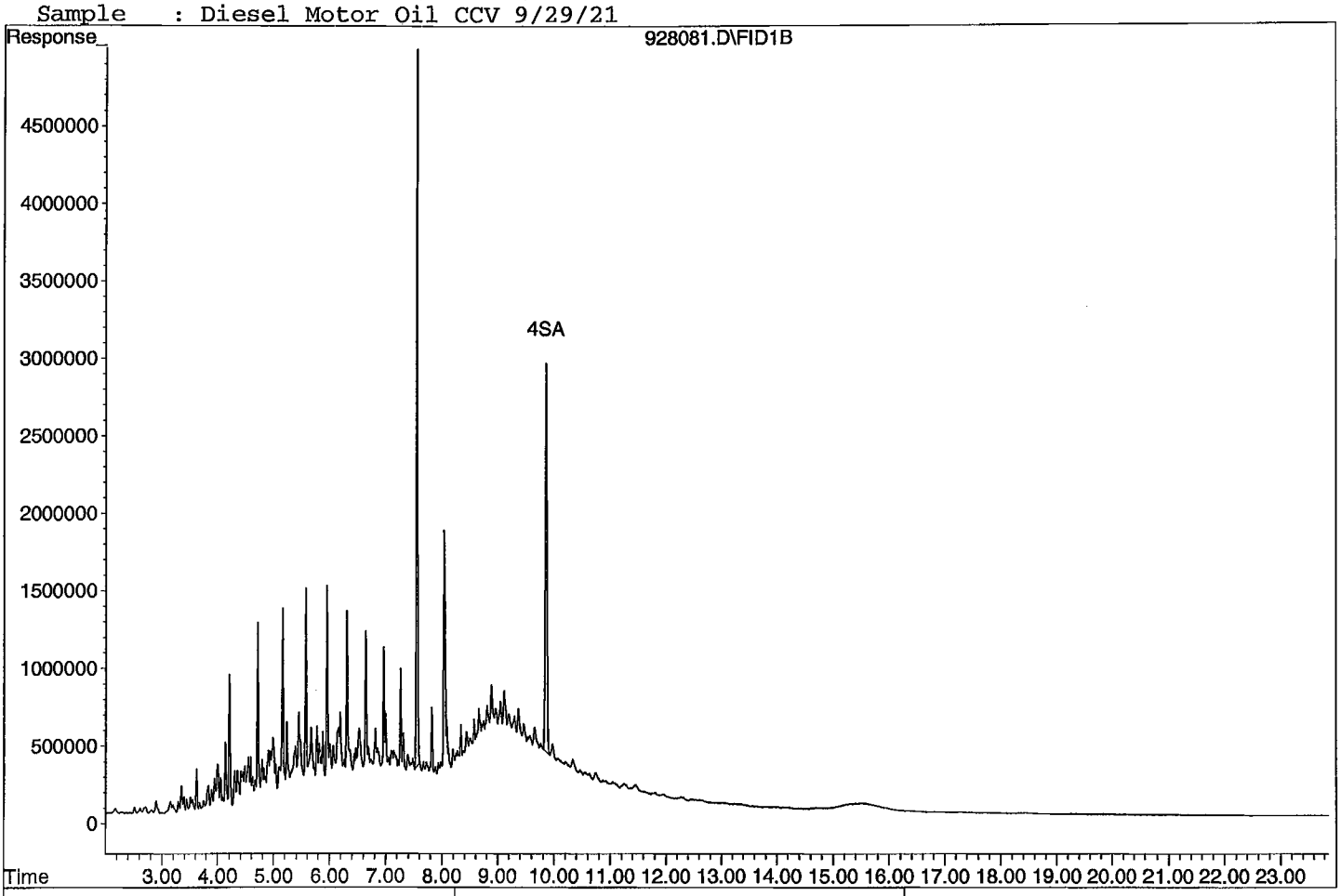
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

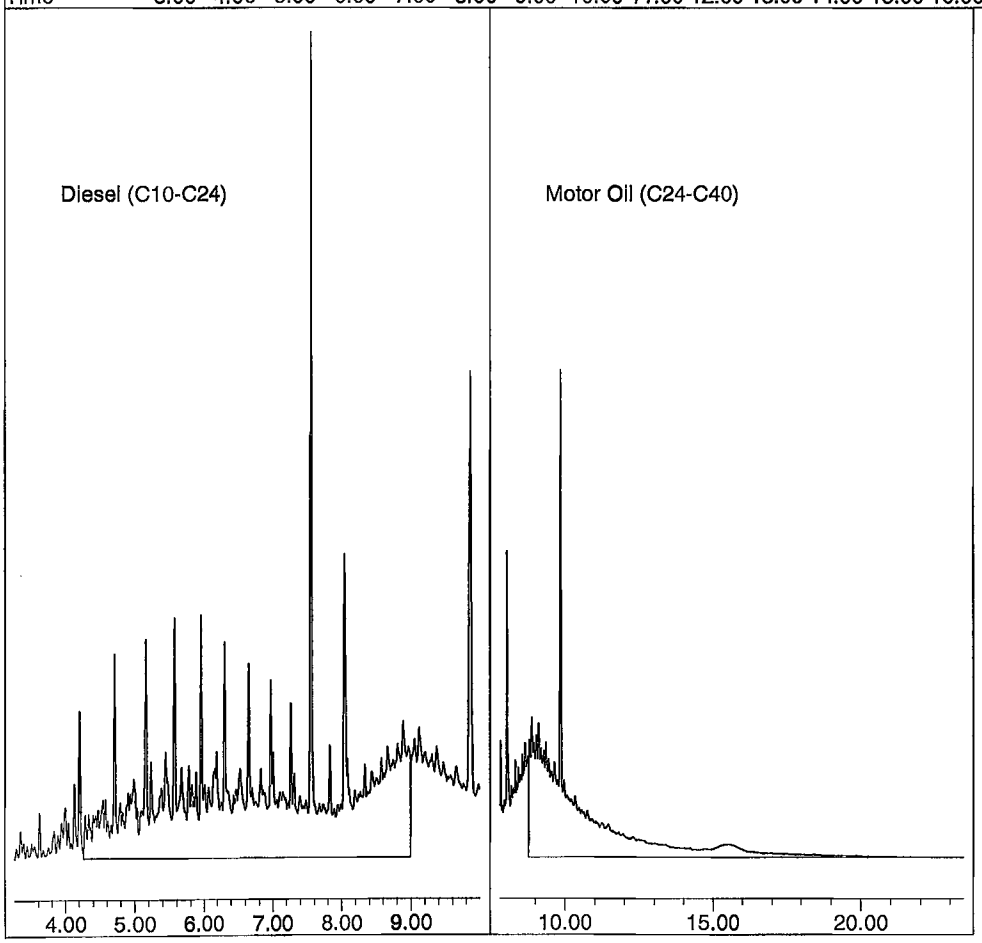
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	71026606	13.708 ppb
Surrogate Spike 30.000	Recovery =		45.69%
4) SA Octacosane(S)	9.86	53346146	13.846 ppb
Surrogate Spike 30.000	Recovery =		46.15%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	1125457278	278.634 ppb
2) HBTM Motor Oil (C24-C40)	15.62	897917972	295.426 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210928\928081.D
Sample : Diesel Motor Oil CCV 9/29/21





TPH Extractables
DEC0911

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 9/30/2021
Instrument: Apollo
Initial Cal. Date: 9/11/2021
Data File: 928082.D

		Compound	MEAN	CCRF	%D	%Drift	
1	SC	Decanoic Acid(S)	1283070	1340610	4.5	SC	
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		Average			4.5		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210928\928082.D Vial: 82
Acq On : 9-30-21 7:08:08 Operator: KA
Sample : Decanoic Acid CCV 8/20/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Nov 1 11:27 2021 Quant Results File: DEC0911.RES

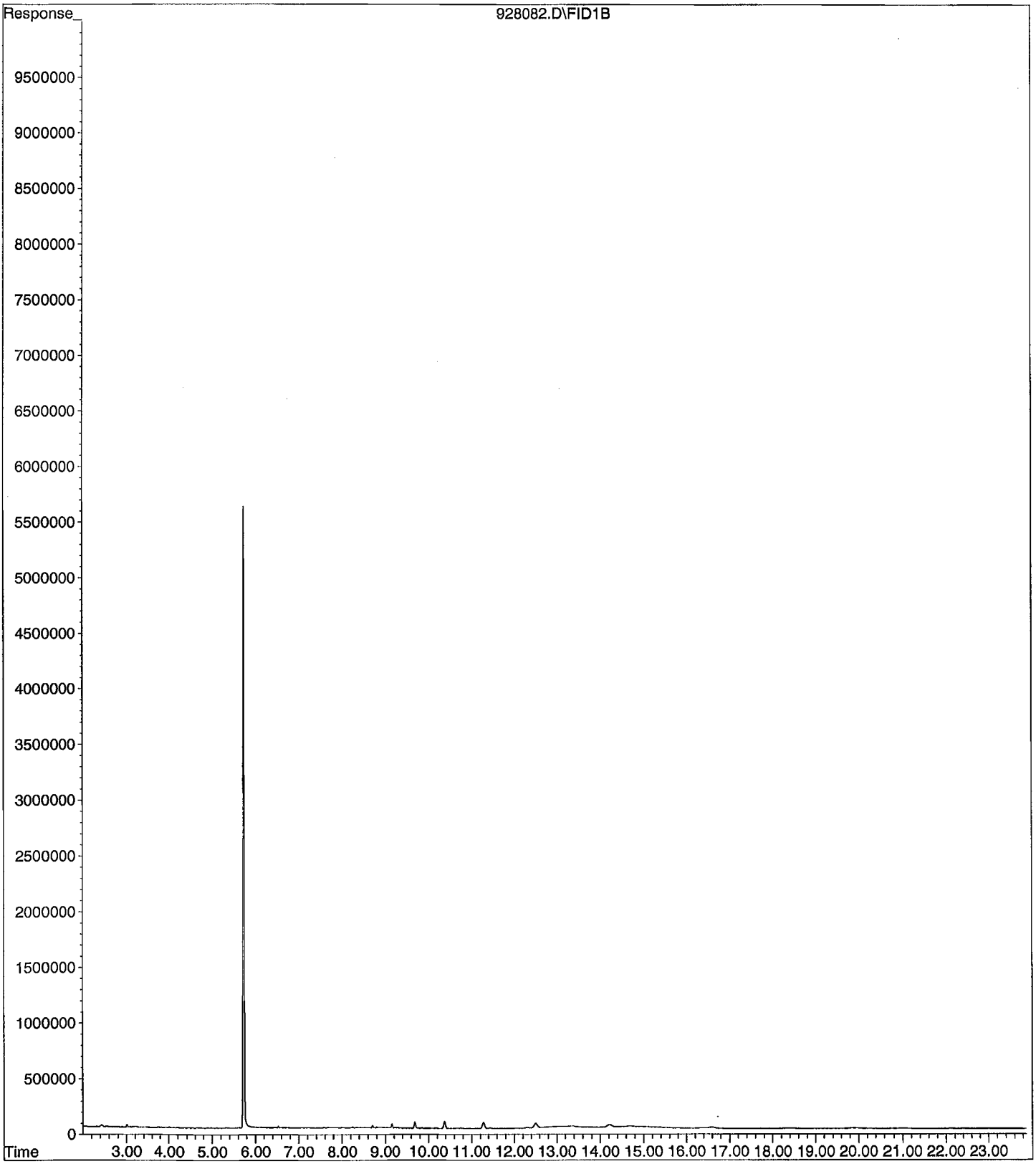
Method : G:\APOLLO\DATA\210808\DEC0911.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Mon Sep 13 09:30:16 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
1) SC Decanoic Acid(S)	5.74f	96523741	37.614 ppb
Surrogate Spike 24.000	Recovery =	156.73%	
Target Compounds			
Target Compounds			

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

File : G:\APOLLO\DATA\210928\928082.D
Operator : KA
Acquired : 9-30-21 7:08:08 using AcqMethod TPHSN.M
Instrument : Apollo
Sample Name: Decanoic Acid CCV 8/20/21
Misc Info : water
Vial Number: 82



ORGANICS
Raw Data

Quantitation Report (QT Reviewed)

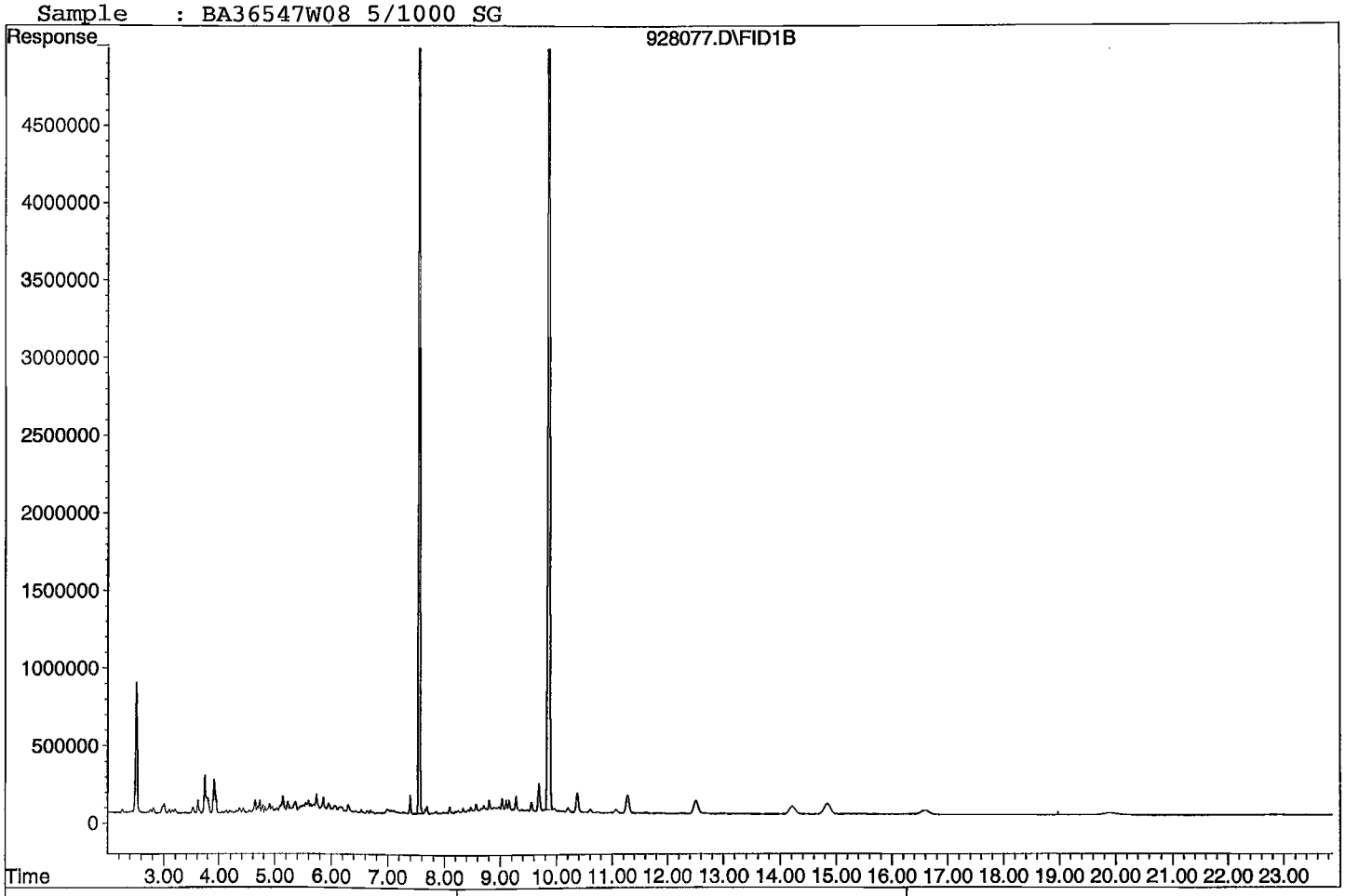
Data File : G:\APOLLO\DATA\210928\928077.D Vial: 77
Acq On : 9-30-21 4:47:29 Operator: KA
Sample : BA36547W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:16 2021 Quant Results File: DOC0830.RES

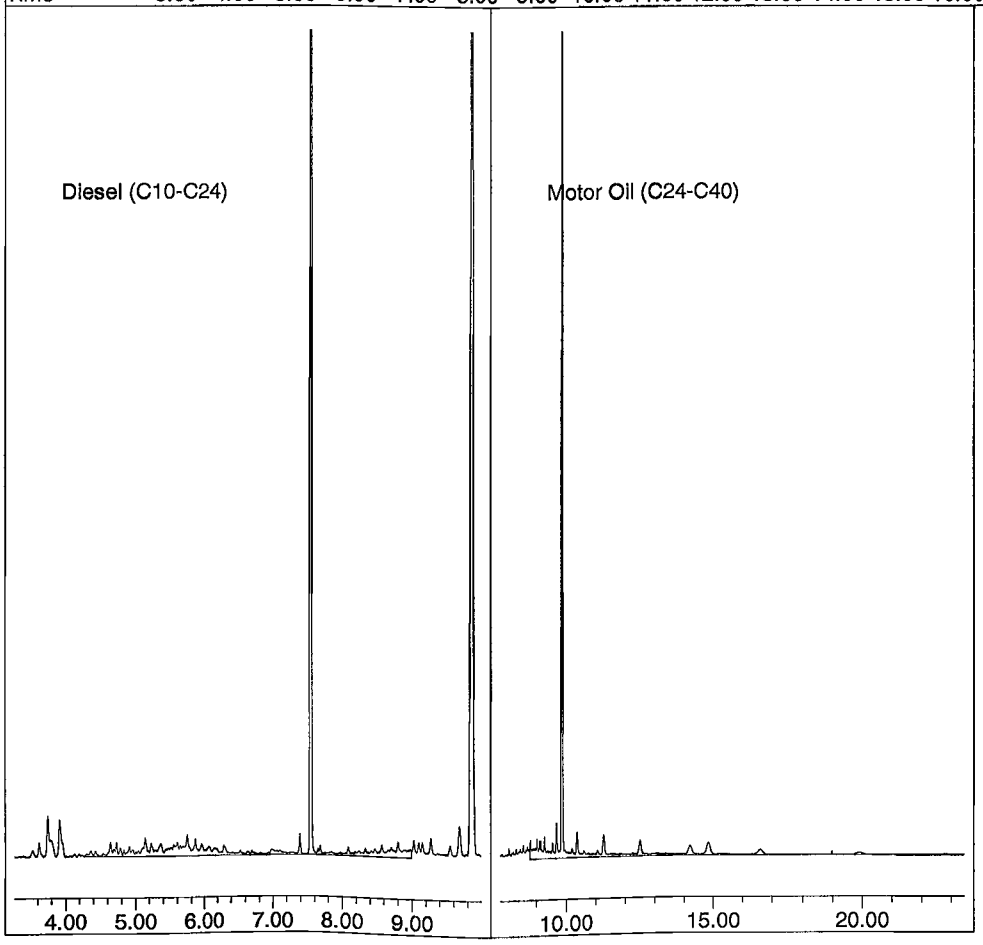
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	171218016	165.223 ppb
Surrogate Spike 150.000		Recovery =	110.15%
4) SA Octacosane(S)	9.86	155034724	201.200 ppb
Surrogate Spike 150.000		Recovery =	134.13%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	83597057	103.482 ppb
2) HBTM Motor Oil (C24-C40)	15.62	132820200	184.096 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210928\928077.D
Sample : BA36547W08 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210928\928078.D Vial: 78
Acq On : 9-30-21 5:15:37 Operator: KA
Sample : BA36550W08 5/1010 SG Inst : Apollo
Misc : water Multiplr: 4.95
IntFile : events.e
Quant Time: Nov 1 11:16 2021 Quant Results File: DOC0830.RES

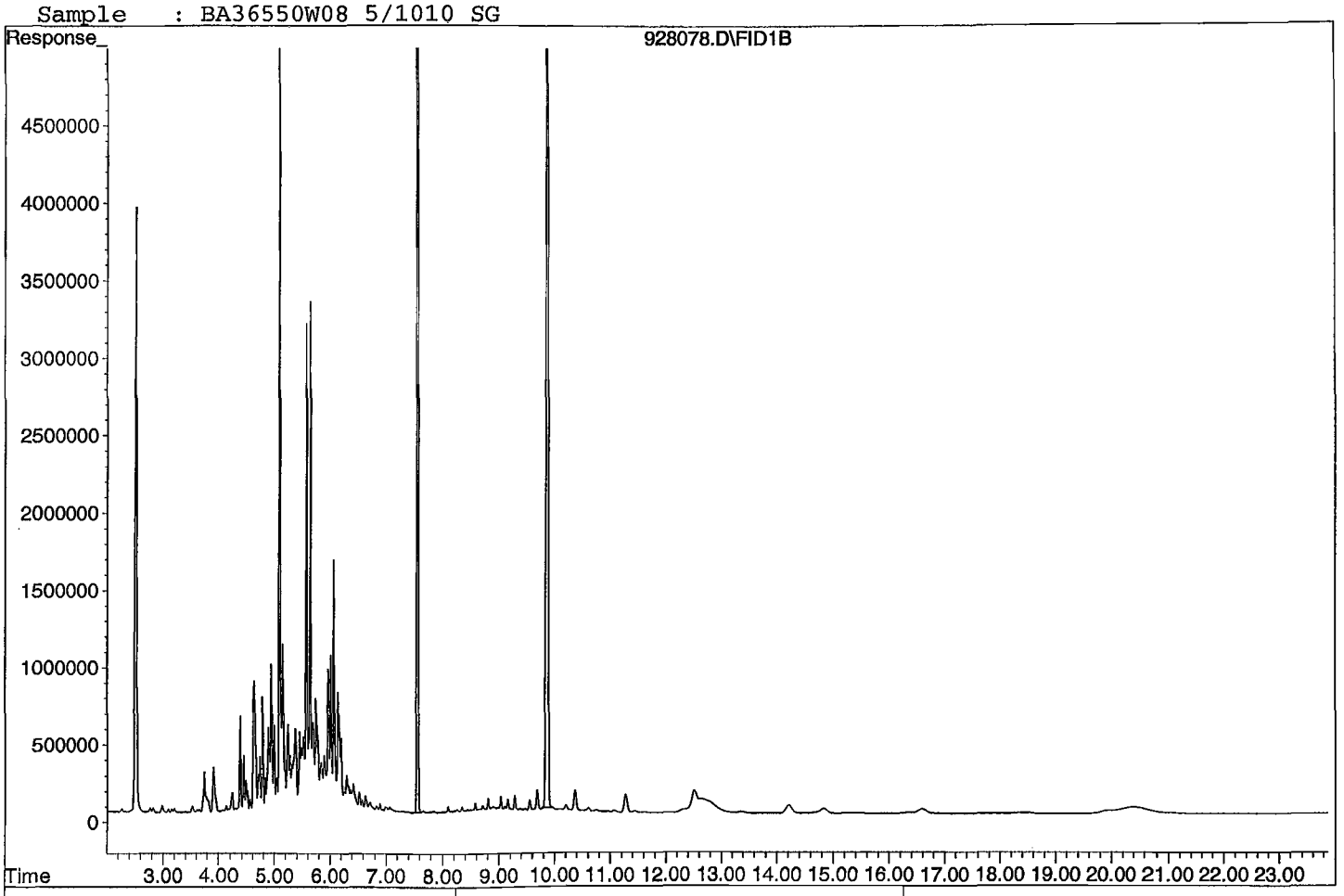
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

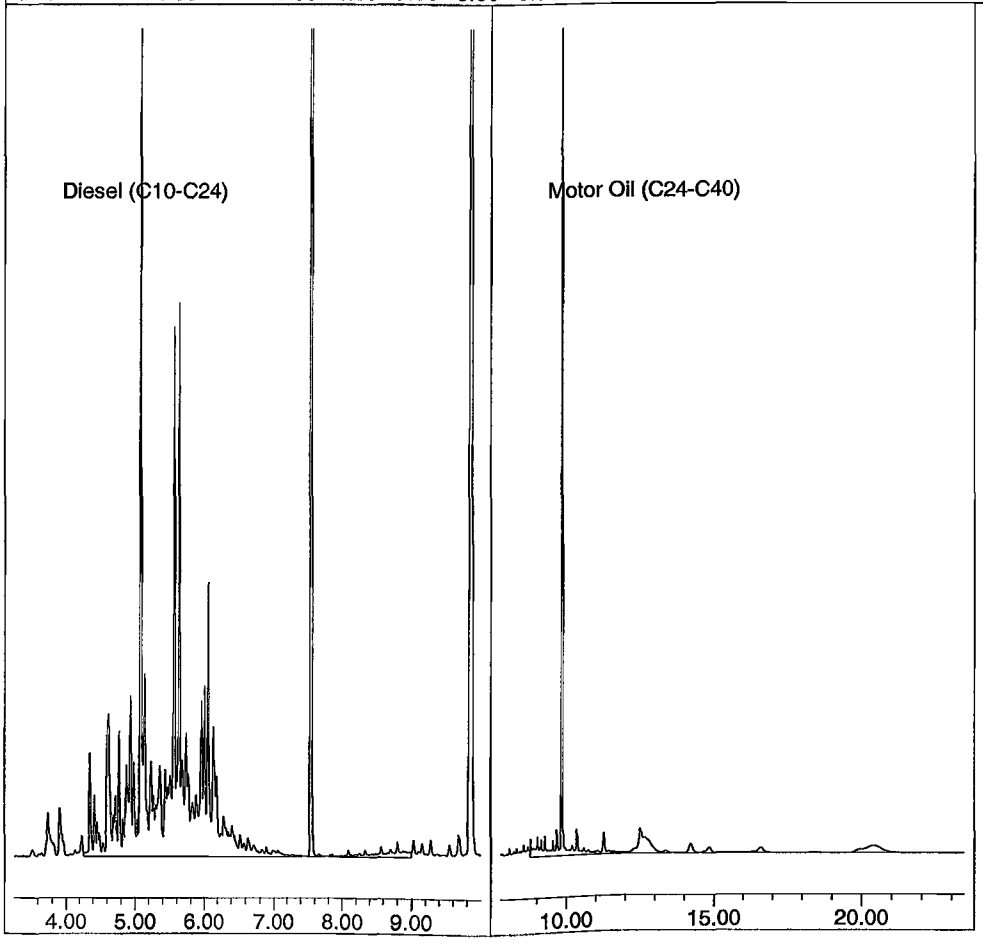
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	202262916	193.248 ppb
Surrogate Spike 148.515		Recovery =	130.12%
4) SA Octacosane(S)	9.86	184104750	236.561 ppb
Surrogate Spike 148.515		Recovery =	159.28%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	602915328	738.943 ppb
2) HBTM Motor Oil (C24-C40)	15.62	148546998	208.589 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210928\928078.D
Sample : BA36550W08 5/1010 SG





Quantitation Report (QT Reviewed)

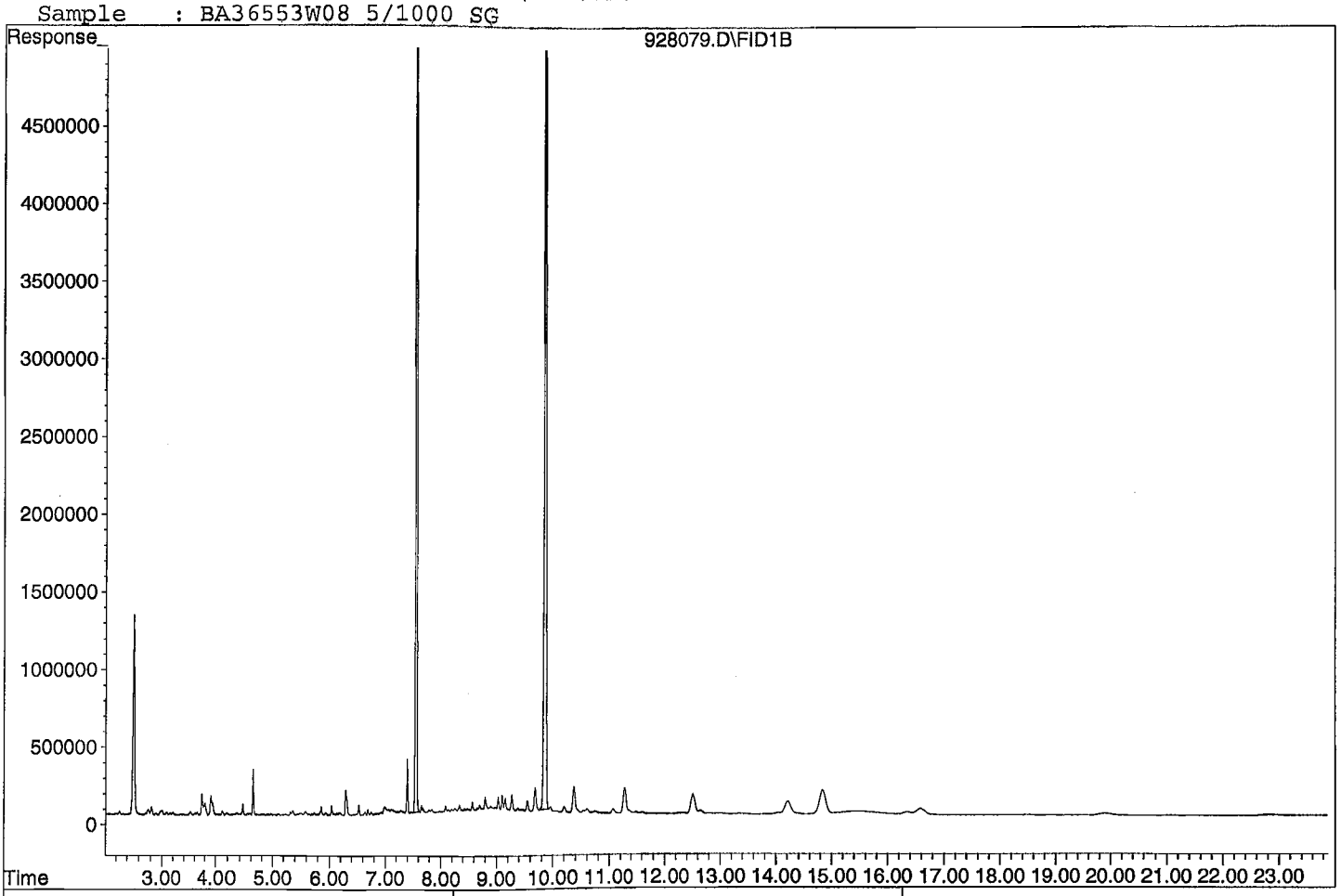
Data File : G:\APOLLO\DATA\210928\928079.D Vial: 79
Acq On : 9-30-21 5:43:44 Operator: KA
Sample : BA36553W08 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:17 2021 Quant Results File: DOC0830.RES

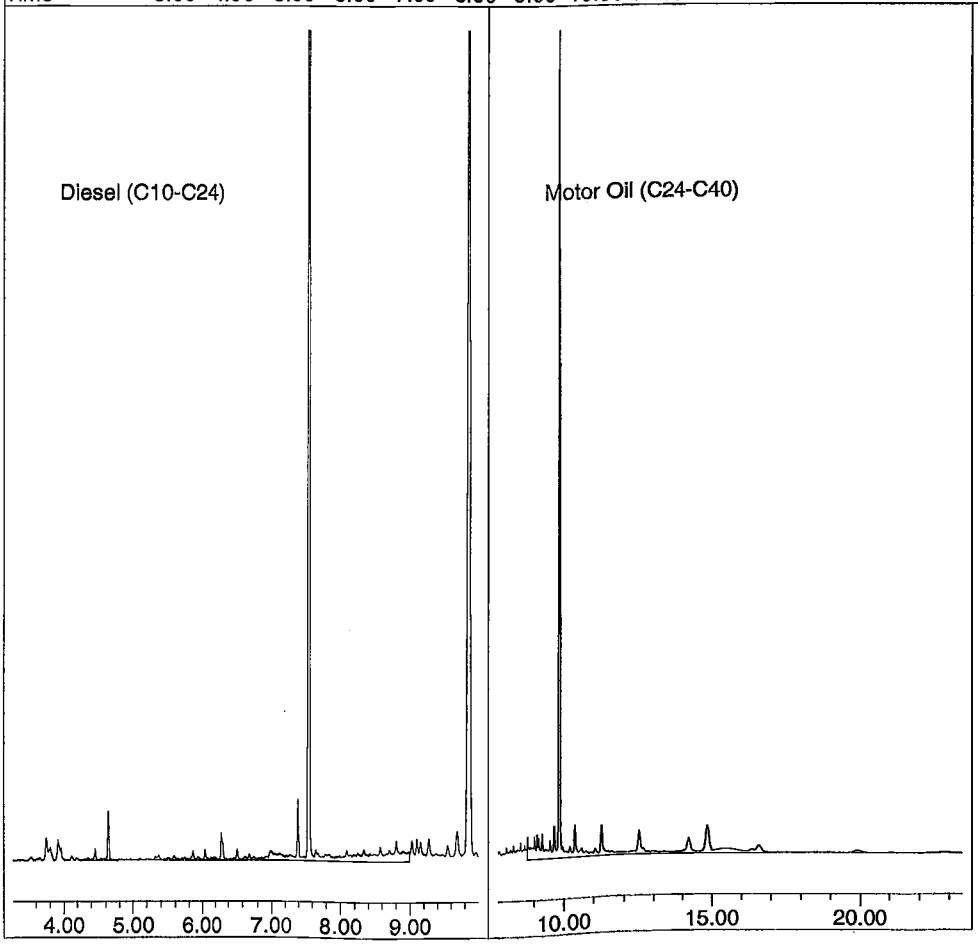
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	167316268	161.458 ppb
Surrogate Spike 150.000		Recovery =	107.64%
4) SA Octacosane(S)	9.86	143843665	186.676 ppb
Surrogate Spike 150.000		Recovery =	124.45%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	74226775	91.883 ppb
2) HBTM Motor Oil (C24-C40)	15.62	182742960	268.467 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210928\928079.D
Sample : BA36553W08 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210928\928080.D Vial: 80
Acq On : 9-30-21 6:11:54 Operator: KA
Sample : BA36556W07 5/1030 SG Inst : Apollo
Misc : water Multiplr: 4.85
IntFile : events.e
Quant Time: Nov 1 11:17 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

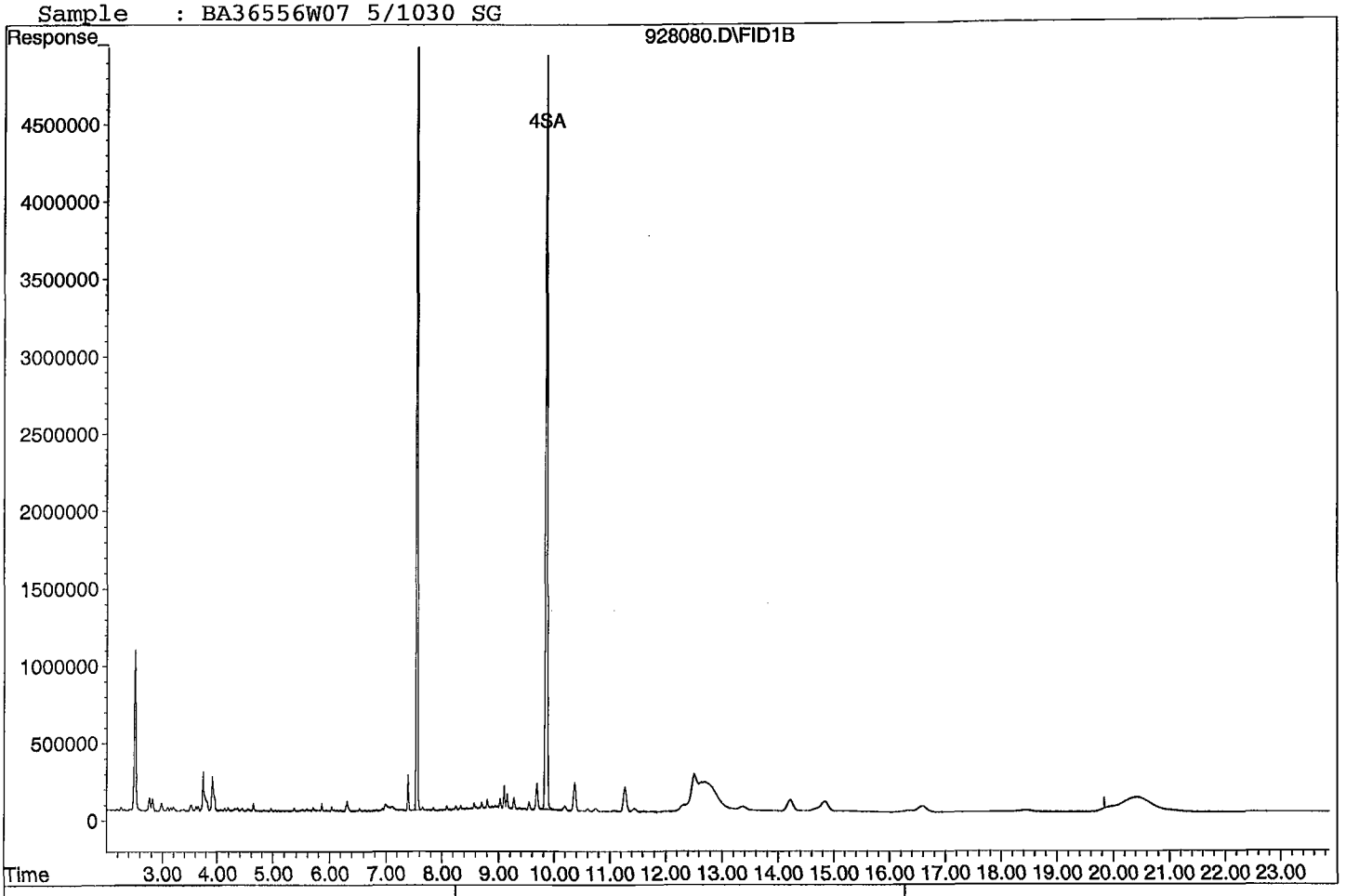
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

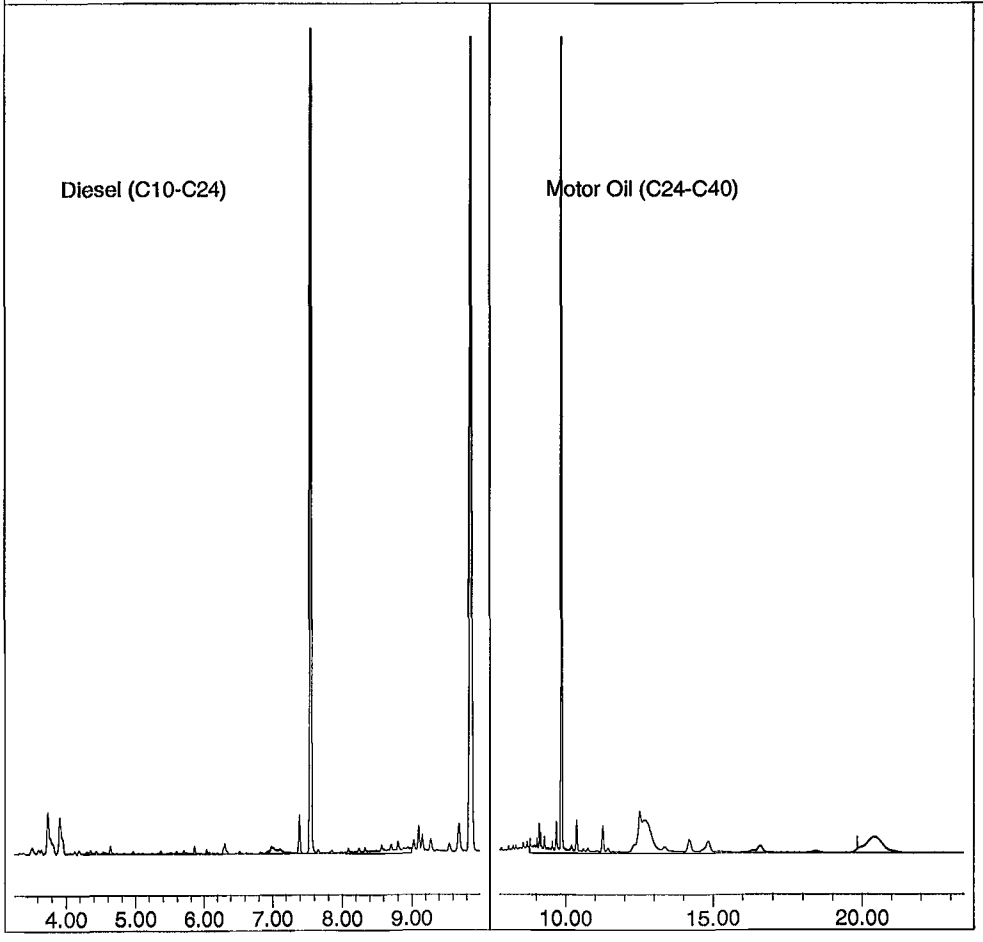
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	111184067	104.166 ppb
Surrogate Spike 145.631		Recovery =	71.53%
4) SA Octacosane(S)	9.86	105633376	133.095 ppb
Surrogate Spike 145.631		Recovery =	91.39%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	31985319	38.440 ppb
2) HBTM Motor Oil (C24-C40)	15.62	219565491	321.066 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210928\928080.D
Sample : BA36556W07 5/1030 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210928\928074.D Vial: 74
Acq On : 9-30-21 3:23:08 Operator: KA
Sample : 210728B BLK 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:10 2021 Quant Results File: DOC0830.RES

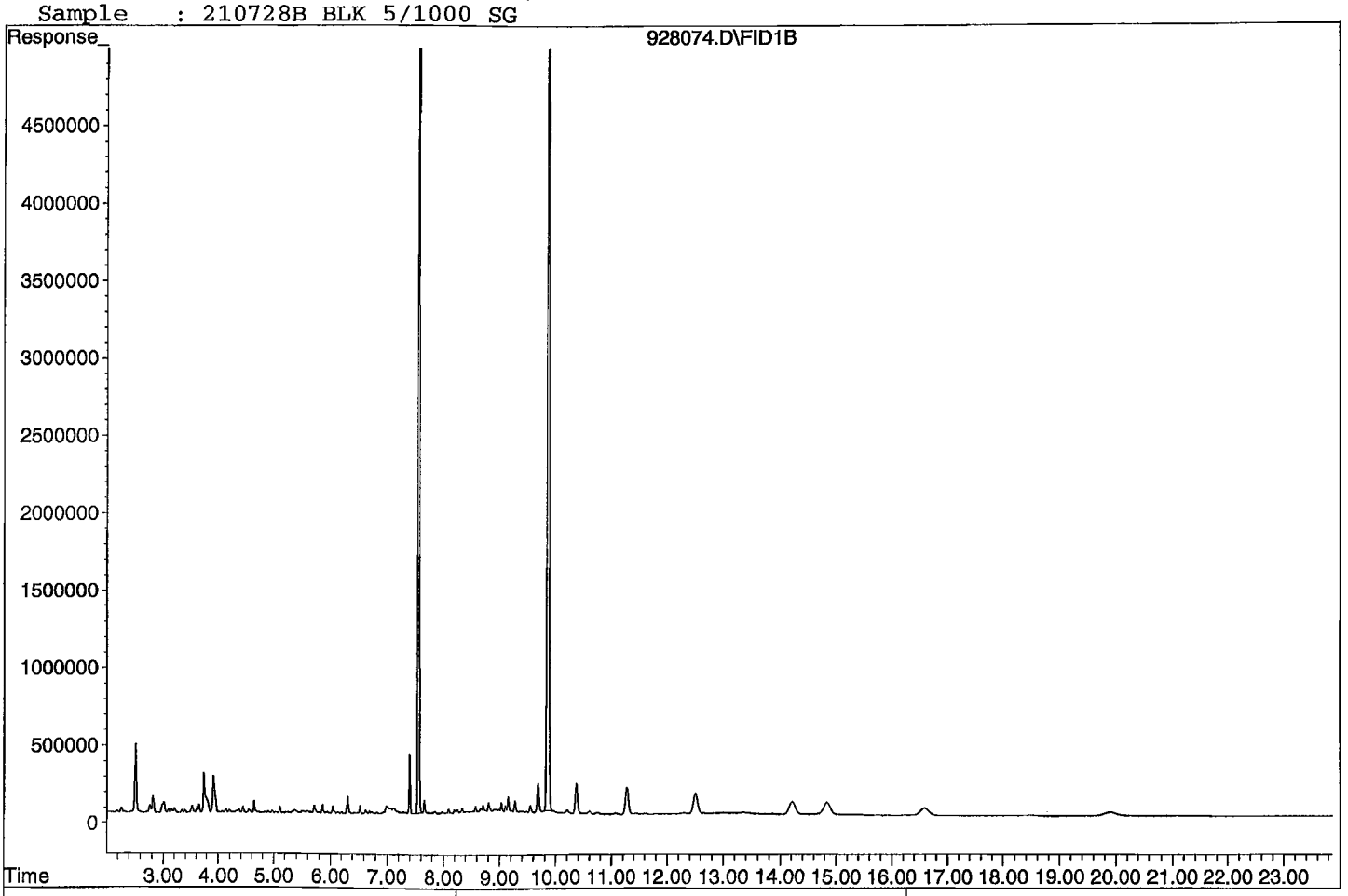
Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

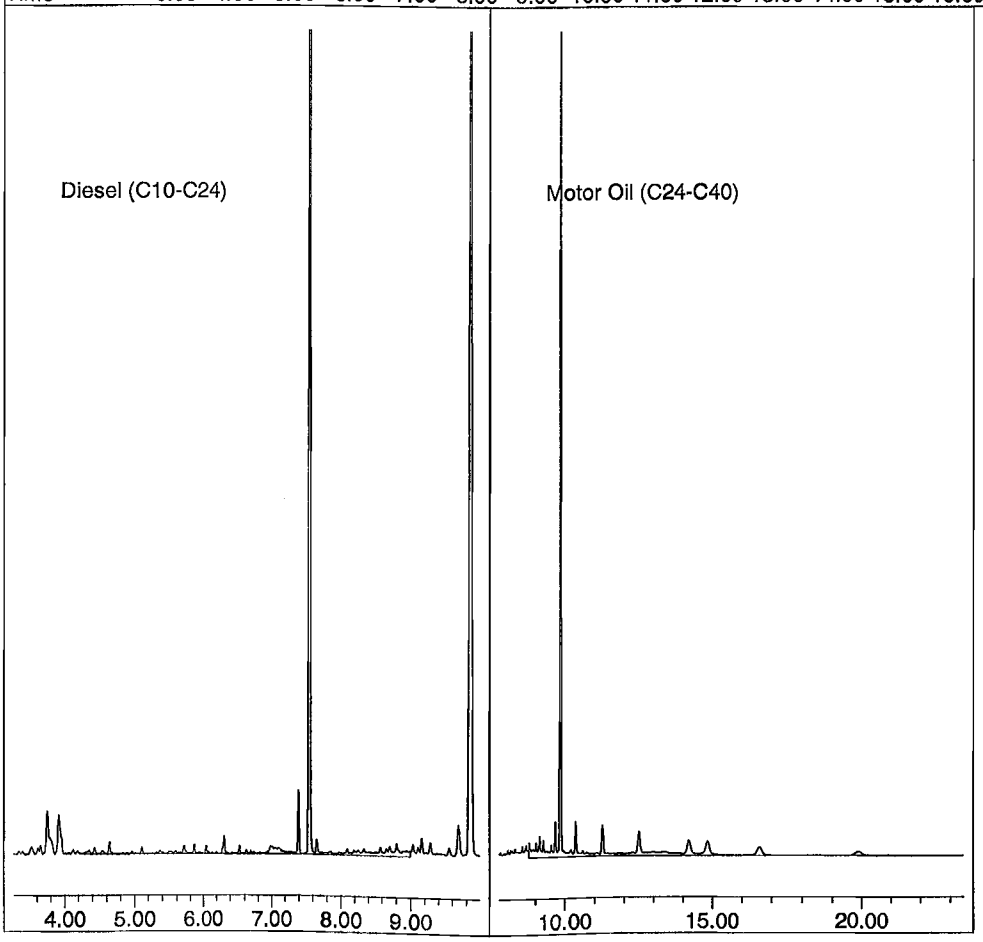
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	155020062	149.592 ppb
Surrogate Spike 150.000		Recovery =	99.73%
4) SA Octacosane(S)	9.86	142009139	184.296 ppb
Surrogate Spike 150.000		Recovery =	122.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	45623129	56.476 ppb
2) HBTM Motor Oil (C24-C40)	15.62	143300333	201.808 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210928\928074.D
Sample : 210728B BLK 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210928\928075.D Vial: 75
Acq On : 9-30-21 3:51:15 Operator: KA
Sample : 210728B LCS-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:13 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

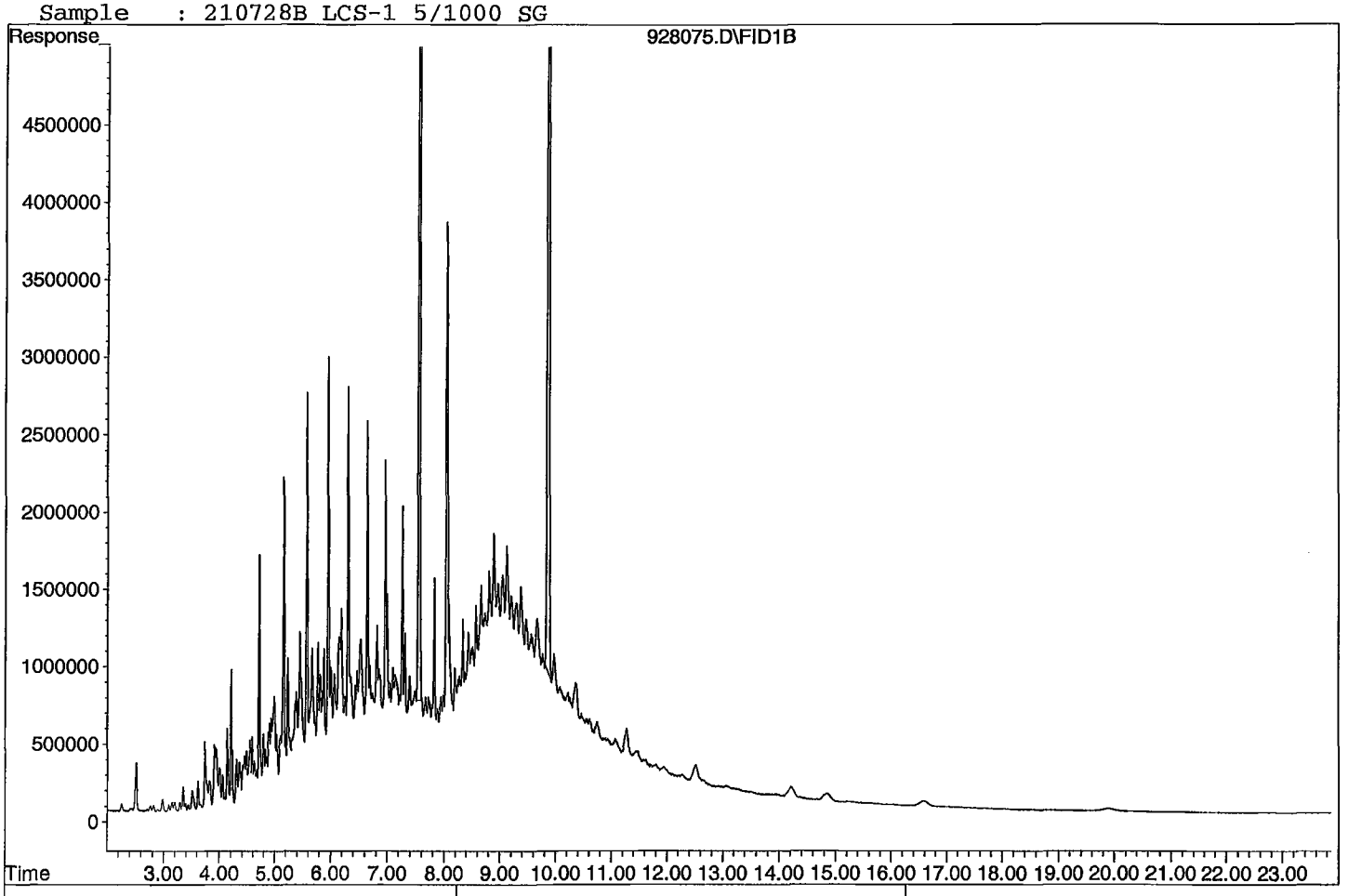
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

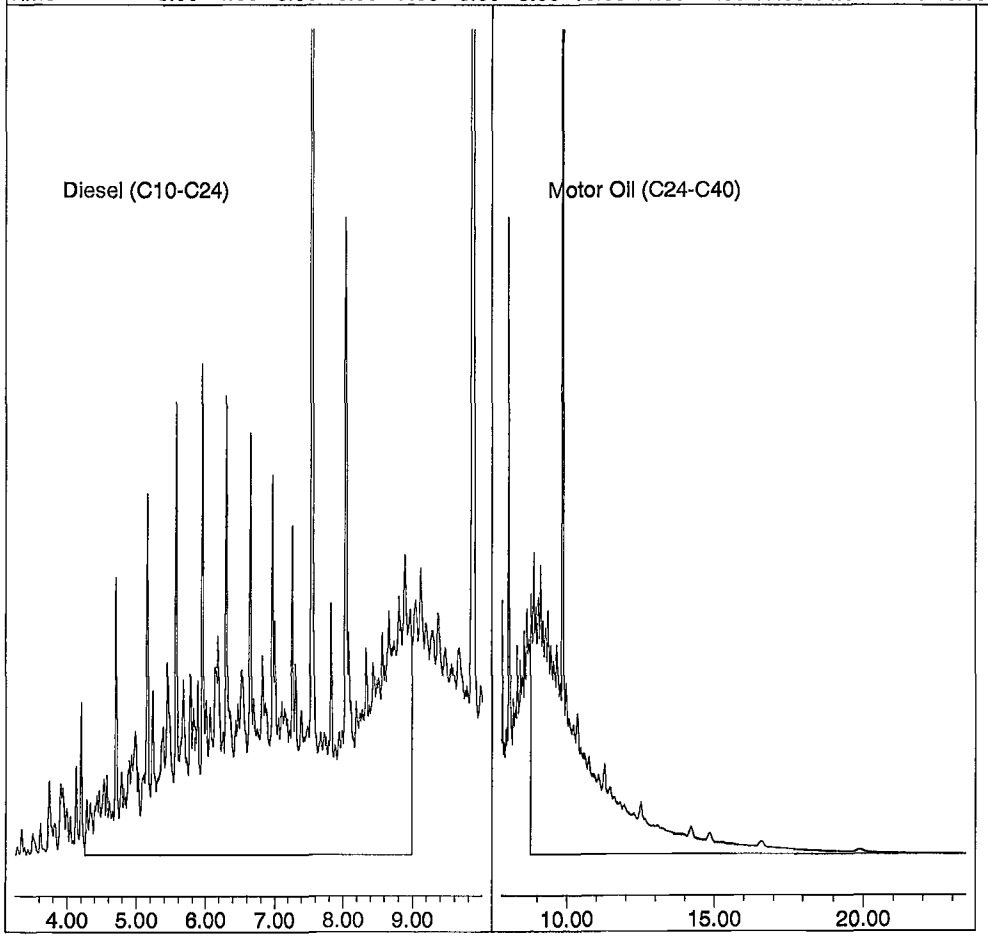
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	226669043	218.732 ppb
Surrogate Spike 150.000		Recovery =	145.82%
4) SA Octacosane(S)	9.86	185949151	241.320 ppb
Surrogate Spike 150.000		Recovery =	160.88%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2325173488	2878.265 ppb
2) HBTM Motor Oil (C24-C40)	15.62	1870613749	3121.006 ppb
Target Compounds			

Diesel:

$$\frac{(2325173488)(5)}{(2019597)(2)} = \frac{1.16 \times 10^{10}}{4039194} = \boxed{2878.26}$$

Data File: G:\APOLLO\DATA\210928\928075.D
Sample : 210728B LCS-1 5/1000 SG





Quantitation Report (QT Reviewed)

Data File : G:\APOLLO\DATA\210928\928076.D Vial: 76
Acq On : 9-30-21 4:19:21 Operator: KA
Sample : 210728B LCSD-1 5/1000 SG Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Nov 1 11:14 2021 Quant Results File: DOC0830.RES

Method : G:\APOLLO\DATA\210916\DOC0830.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Fri Oct 08 11:32:54 2021
Response via : Multiple Level Calibration

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

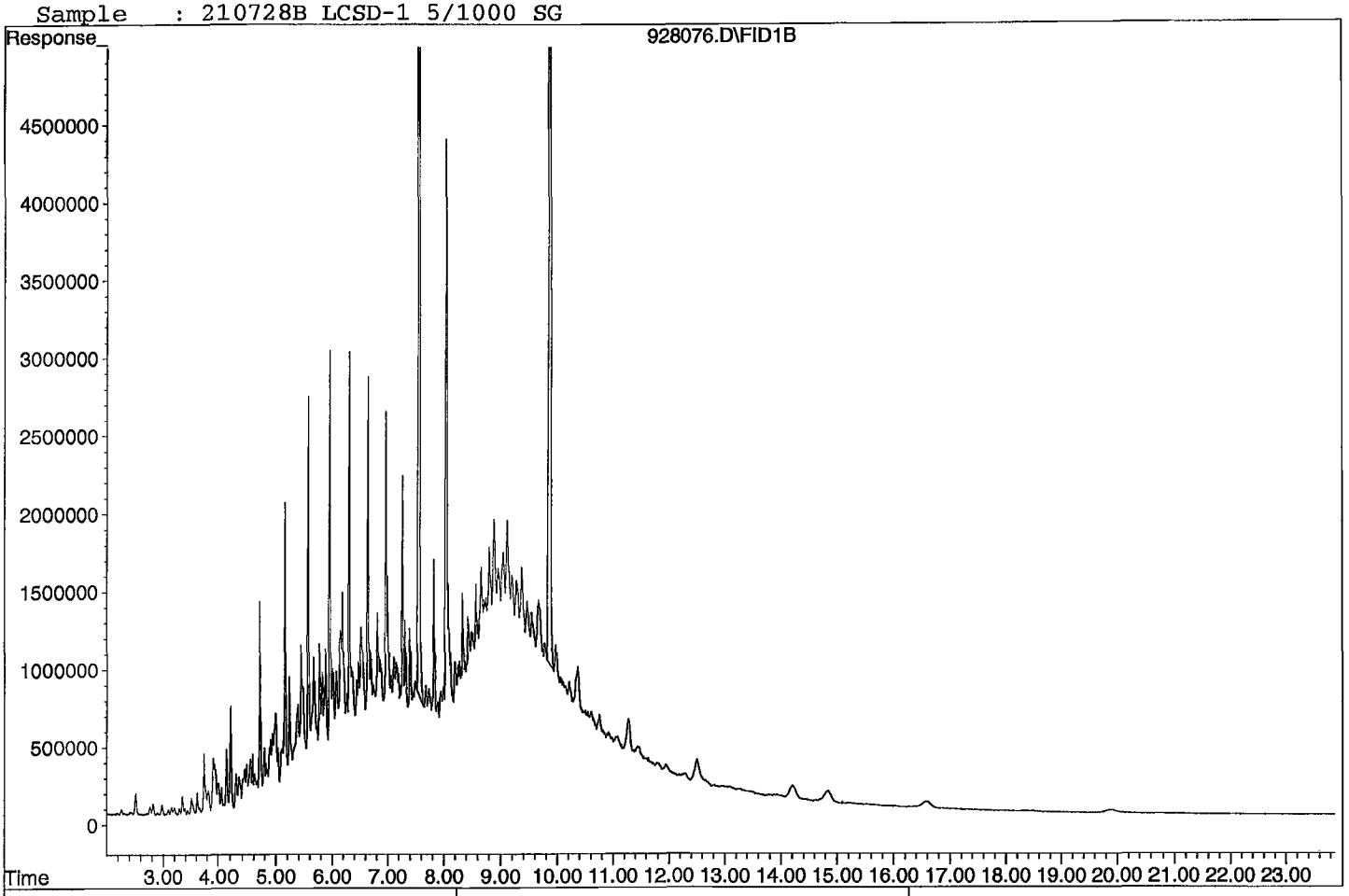
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	247297955	238.639 ppb
Surrogate Spike 150.000		Recovery =	159.09%
4) SA Octacosane(S)	9.86	203417201	263.989 ppb
Surrogate Spike 150.000		Recovery =	175.99%
Target Compounds			
1) HATM Diesel (C10-C24)	6.63	2438804161	3018.925 ppb
2) HBTM Motor Oil (C24-C40)	15.62	2054378878	3431.573 ppb

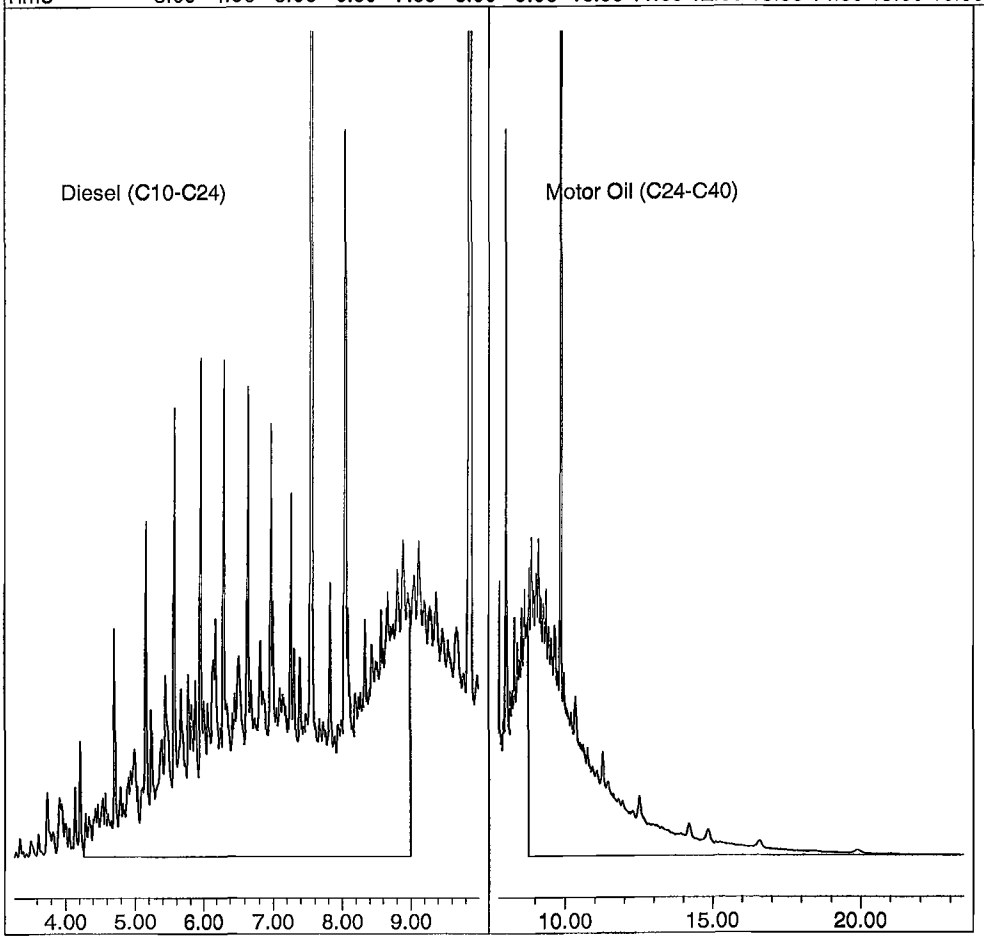
Target Compounds

(f)=RT Delta > 1/2 Window

(m)=manual int.
928076.D DOC0830.M Mon Nov 01 11:18:50 2021

Data File: G:\APOLLO\DATA\210928\928076.D
Sample : 210728B LCSD-1 5/1000 SG





Injection Log

Directory: G:\APOLLO\DATA\210830\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	4	830004.D	1	DMO STD Curve 1	water	8-30-21 14:23:31
2	5	830005.D	1	DMO STD Curve 2	water	8-30-21 14:52:00
3	6	830006.D	1	DMO STD Curve 3	water	8-30-21 15:20:31
4	7	830007.D	1	DMO STD Curve 4	water	8-30-21 15:48:59
5	8	830008.D	1	DMO STD Curve 5	water	8-30-21 16:17:29
6	9	830009.D	1	DMO STD Curve 6	water	8-30-21 16:45:57
7	10	830010.D	1	DMO STD Curve 7	water	8-30-21 17:14:26
8	11	830011.D	1	DMO Second Source	water	8-30-21 17:43:02
9	2	911002.D	1	Decanoic Acid STD 1	water	9-11-21 10:22:53
10	3	911003.D	1	Decanoic Acid STD 2	water	9-11-21 10:51:11
11	4	911004.D	1	Decanoic Acid STD 3	water	9-11-21 11:19:39
12	5	911005.D	1	Decanoic Acid STD 4	water	9-11-21 11:48:04
13	6	911006.D	1	Decanoic Acid STD 5	water	9-11-21 12:16:37
14	7	911007.D	1	Decanoic Acid STD 6	water	9-11-21 12:45:02
15	72	928072.D	1	Diesel Motor Oil CCV 9/29/21	water	9-30-21 2:26:53
16	73	928073.D	1	Decanoic Acid CCV 8/20/21	water	9-30-21 2:55:01
17	74	928074.D	5	210728B BLK 5/1000 SG	water	9-30-21 3:23:08
18	75	928075.D	5	210728B LCS-1 5/1000 SG	water	9-30-21 3:51:15
19	76	928076.D	5	210728B LCSD-1 5/1000 SG	water	9-30-21 4:19:21
20	77	928077.D	5	BA36547W08 5/1000 SG	water	9-30-21 4:47:29
21	78	928078.D	4.9505	BA36550W08 5/1010 SG	water	9-30-21 5:15:37
22	79	928079.D	5	BA36553W08 5/1000 SG	water	9-30-21 5:43:44
23	80	928080.D	4.85437	BA36556W07 5/1030 SG	water	9-30-21 6:11:54
24	81	928081.D	1	Diesel Motor Oil CCV 9/29/21	water	9-30-21 6:40:01
25	82	928082.D	1	Decanoic Acid CCV 8/20/21	water	9-30-21 7:08:08

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210728B	Extraction Method	LIQ005	Units	mL

Spiked ID 1	Diesel Motor Oil Mix 7-19-21 7-19-22		Surrogate ID 1	THC Surrogate 7-16-21 7-16-22	
Spiked ID 2	Decanoic 1000ug/mL Acid Solution 9-4-21 9-4-22		Surrogate ID 2	THC Surrogate 7-28-21 7-28-22	
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:	07/29/21 15:33	
Spiked ID 8			Ext. End Time:	07/30/21 9:35	
			GC Requires Extract By:		

pH1			Water Bath Temp 1 °C	43/42.1 °C
pH2			Water Bath Temp 2 °C	40/41.1
pH3			Water Bath Temp 3 °C	39/38.5 °C

Spiked By: YL **Date** 7/28/2021 **Witnessed By:** RP **Date** 7/28/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210728B Blk				0.250	1 equip	1000 E-HP3	5 E-WB1	2	07/28/21 13:30	*
2	210728B LCS-1		0.080	1	0.250	1 equip	1000 E-HP4	5 E-WB2	2	07/28/21 13:30	*
3	210728B LCSD-1		0.080	1	0.250	1 equip	1000 E-HP6	5 E-WB3	2	07/28/21 13:30	*
4	BA36547	BA36547W08			0.250	1 equip	1000 E-HP7	5 E-WB1	2	07/28/21 13:30	96919 *
5	BA36550	BA36550W08			0.250	1 equip	1010 E-HP8	5 E-WB2	2	07/28/21 13:30	96919 *
6	BA36553	BA36553W08			0.250	1 equip	1000 E-HP9	5 E-WB3	2	07/28/21 13:30	96919 *
7	BA36556	BA36556W07			0.250	1 equip	1030 E-HP10	5 E-WB1	2	07/28/21 13:30	96919 *
8	BA36559	BA36559W16			0.250	1 equip	1040 E-HP11	5 E-WB2	2	07/28/21 13:30	96918
9	BA36562	BA36562W17			0.250	1 equip	1000 E-HP12	5 E-WB3	2	07/28/21 13:30	96918
10	BA36565	BA36565W17			0.250	1 equip	1010 E-HP13	5 E-WB1	2	07/28/21 13:30	96918
11	BA36567	BA36567W12			0.250	1 equip	1040 E-HP14	5 E-WB2	2	07/28/21 13:30	96918
12	BA36570	BA36570W16			0.250	1 equip	1040 E-HP15	5 E-WB3	2	07/28/21 14:10	96918
13	BA36573	BA36573W10			0.250	1 equip	1000 E-HP16	5 E-WB1	2	07/28/21 14:10	96918
14	BA36575	BA36575W10			0.250	1 equip	1000 E-HP17.	5 E-WB2	2	07/28/21 14:10	96918

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC155968
Dicholormethane	60338
Filter Paper	400181
Sodium Sulfate	2020120870
Silica Gel (*)	050627T

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	CW
Date	
Time	
Refrigerator	Hobart

	Technician's Initials
Scanned By	YL
Sample Preparation	YL
Extraction	YL
Concentration	SB

Modified	10/13/2021 8:35:10 AM

Reviewed By: KY **Date** 10/13/2021

Diesel / Motor Oil Calibration Curve

Prepared: 8/23/2021
Expires: 8/23/2022

Prepared By (Initials): KA

Methylene Chloride Lot No. 60338

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Conc. (ug/mL)	APPL Mix Name	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil - 2	APPL	10	Diesel / Motor Oil - 1	Perp'd: 08/23/21 A0164485-52662, A0165510-52666, CL16893-52844	8/23/2022	10/31/2027 12/31/2027 5/31/2026	100uL	200uL	MC	5
Diesel / Motor Oil -3		50	Diesel / Motor Oil - 2				200uL	1mL	MC	10
Diesel / Motor Oil Calibration STD	Restek	2,000	Diesel / Motor Oil -3				25uL	1mL	MC	50
			Diesel / Motor Oil - 4				125uL	1mL	MC	250
			Diesel / Motor Oil - 5				500uL	1mL	MC	1000
			Diesel / Motor Oil - 6				750uL	1mL	MC	1500
			Diesel / Motor Oil - 7				100uL	100uL	N/A	2,000

Diesel / Motor Oil Second Source

Prepared: 7/21/2020
Expires: 7/21/2021

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2 Second Source	Phenova	AL0-101287	50,000	**CL13327-40550**	7/21/2021	**2/28/2022**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**010918-39581**	7/21/2021	**1/9/2023**	50uL			

Diesel / Motor Oil CCV

Prepared: 9/29/2021
Expires: 9/17/2022
Methylene Chloride Lot No. 61117

Prepared By (Initials): KA

Initial Standard Information							Final Standard			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel / Motor Oil STD	Restek	Diesel / Motor Oil CCV	2,000	Perp'd: 9/17/21 A0164485-52822, A0168842-52820, CL16893-52844	**9/17/2022**	**10/31/2027** **03/31/2028** **5/31/2026**	1250uL	10mL	MC	250

Diesel Motor Oil Mix

Prepared: 7/19/2021
Expires: 7/19/2022

Prepared By (Initials): MB

Initial Standard Information							Final Standard Information			
Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Standard Conc. (ug/mL)
Diesel Fuel #2	Restek	31258	50,000	A0164485-52660,52480,52661	6/28/2022	2/28/2027	4.00 mL	8.0 mL	NA	25,000
Motor Oil Composite	Restek	31464	50,000	A0166510-52665,52666.52667	6/28/2022	9/30/2027	4.00 mL			25,000

Name of Final Standard	THC Surrogate	Prep'd By (Initials)	MA
Prep Date	7/16/2021		
Exp Date	7/16/2022		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	CL15902-50968	7/1/2022	10/31/2025	NA	NA	NA	600 mg/L

Name of Final Standard	**THC Surrogate**	**Prep'd By (Initials)**	**MA**
Prep Date	**7/28/2021**		
Exp Date	**7/28/2022**		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	**CL15902-50327**	**7/1/2022**	**10/31/2025**	**NA**	**NA**	**NA**	600 mg/L

Decanoic Acid Calibration Curve

Prepared: 9/11/2021

Prepared By (Initials): KA

Expires: 7/12/2022

Methylene Chloride Lot No. 61117

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

Decanoic Acid CCV

Prepared: 8/20/2021 **Prepared By (Initials):** KA

Expires: 8/20/2022

Methylene Chloride Lot No. 60338

Initial Standard Information							Final Standard Information			
Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid	O2SI	72766	1,000	**070821-52687**	8/20/2022	**7/8/2024**	360uL	10mL	MC	36

Decanoic Acid Spike

Prepared: 9/4/2021

Expires: 9/4/2022

Prepared By (Initials): KA

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Decanoic Acid Spike	Absolute	72766	1,000	**070821-52689**	**9/4/2022**	**7/8/2024**	N/A	N/A	N/A	1,000

ORGANICS
Calibration Data

TPH Extractables
DOC0702

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 07/02/21
Matrix: Water Instrument: Apollo
Initials: MB

			702005.D	702006.D	702007.D	702008.D	702009.D	702010.D	702011.D								
		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q
1	HATM	Diesel (C10-C24)	3016894	1951949	2014939	2067917	2039722	2119264	2139867				2192936	17	HATM		
2	HBTM	Motor Oil (C24-C40)		1676406	1491952	1522421	1492860	1546113	1554117				1547312	4.4	HBTM		
3	SA	Ortho-Terphenyl(S)	2636466	2540006	2431557	2529925	2422677	2435838	2499496				2499423	3.1	SA		
4	SA	Octacosane(S)	1728504	1650255	1588691	1695307	1644244	1699403	1705536				1673134	2.9	SA		
5																	
6																	
7																	
8																	
9																	
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0.776978

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702005.D Vial: 5
Acq On : 7-2-21 14:35:23 Operator: MB
Sample : DMO STD-1 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

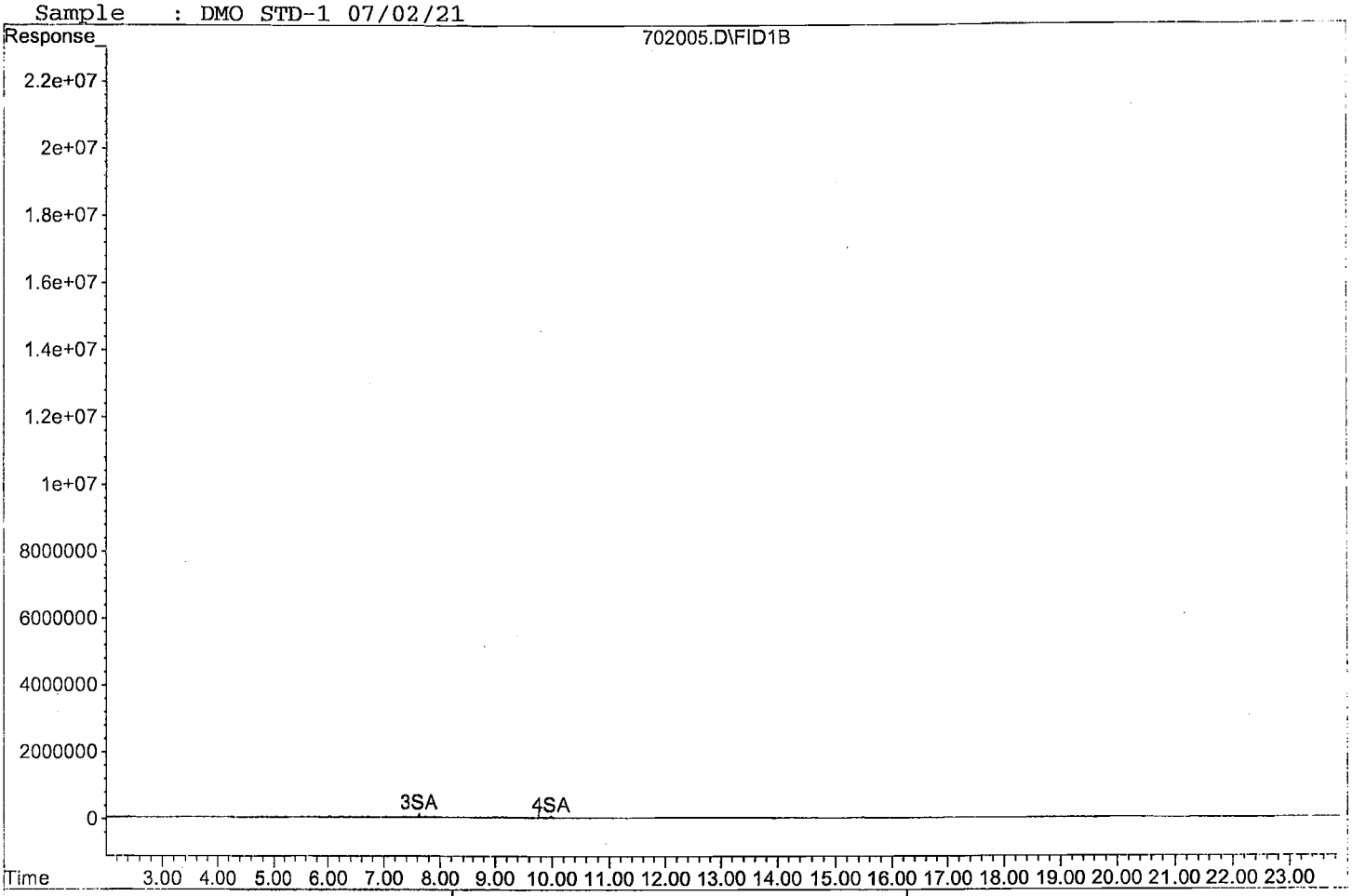
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

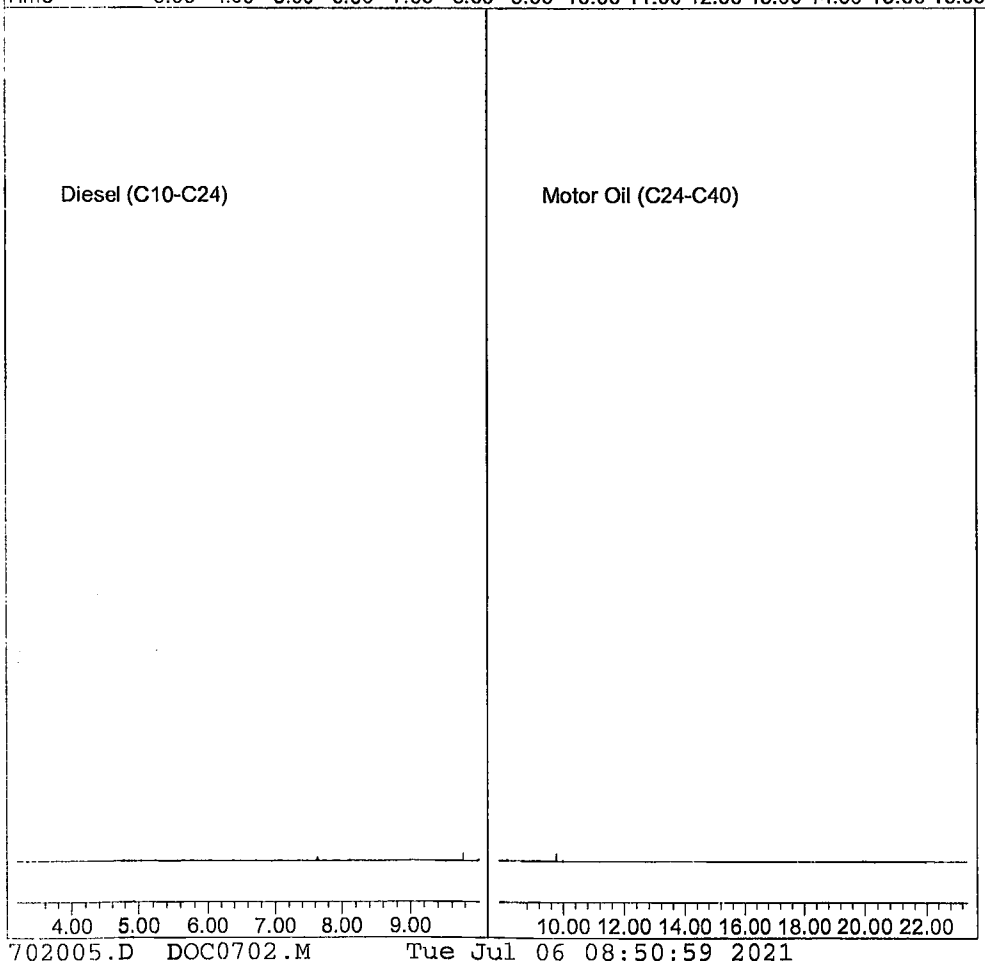
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	1318233	0.264 ppb
Surrogate Spike 30.000	Recovery =		0.88%
4) SA Octacosane(S)	9.99	864252	0.258 ppb
Surrogate Spike 30.000	Recovery =		0.86%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	30168940	6.879 ppb
2) HBTM Motor Oil (C24-C40)	15.58	26926949	8.701 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702005.D
Sample : DMO STD-1 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702006.D Vial: 6
Acq On : 7-2-21 15:03:41 Operator: MB
Sample : DMO STD-2 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

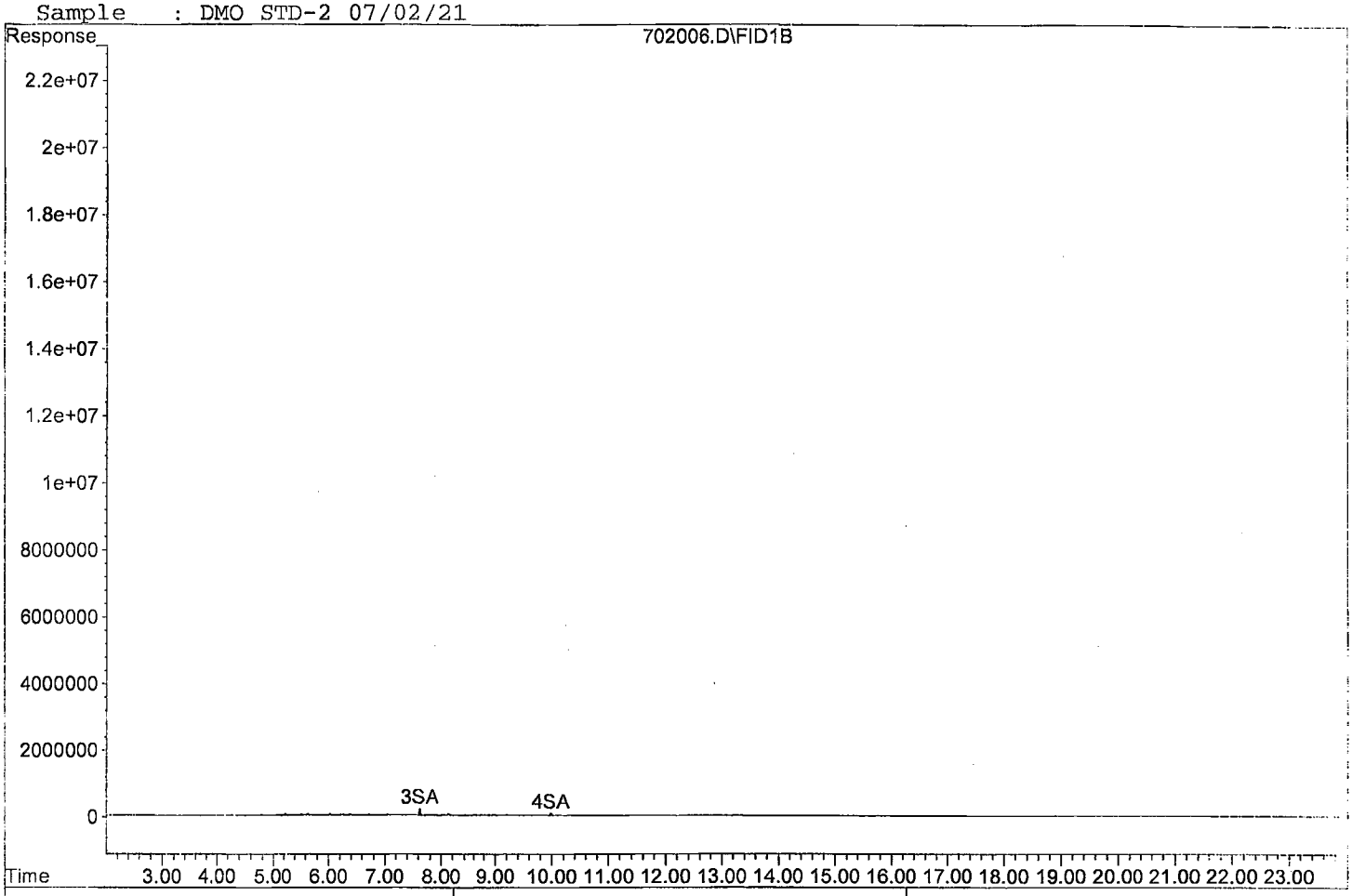
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

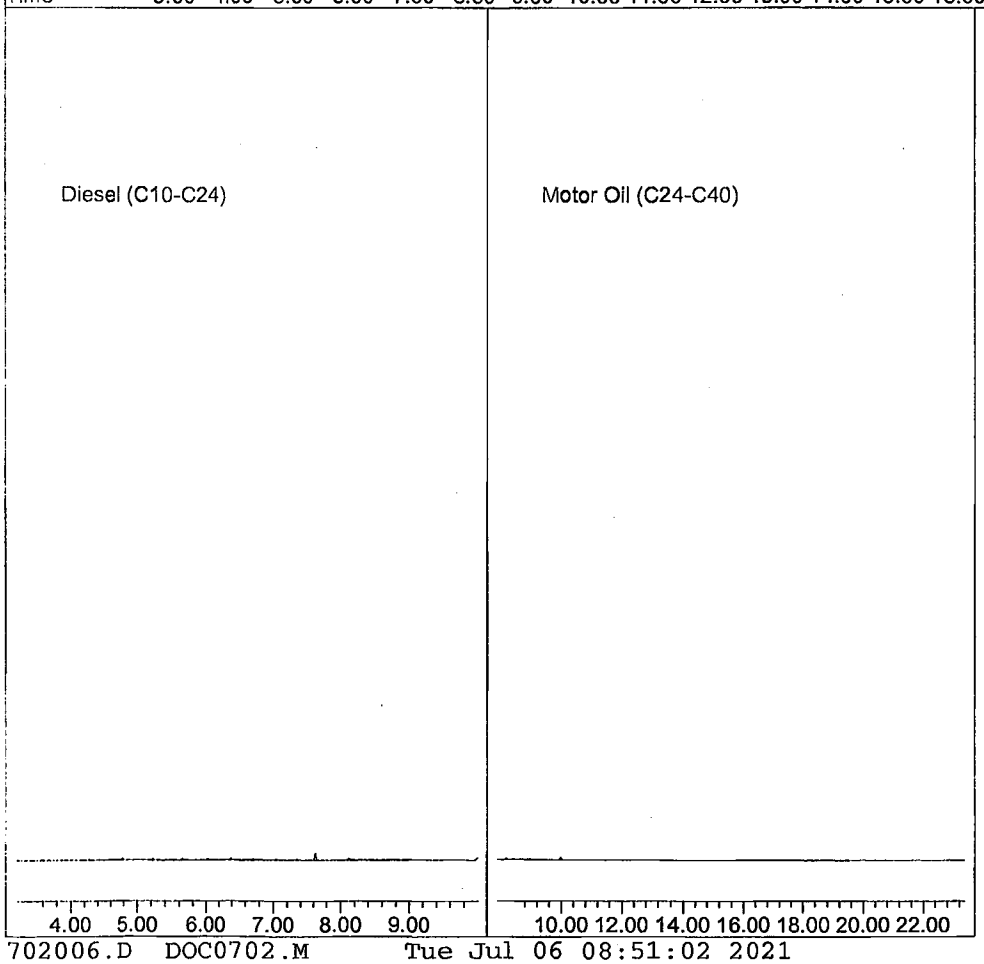
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	2540006	0.508 ppb
Surrogate Spike 30.000	Recovery =		1.69%
4) SA Octacosane(S)	9.99	1650255	0.493 ppb
Surrogate Spike 30.000	Recovery =		1.64%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	39038983	8.901 ppb
2) HBTM Motor Oil (C24-C40)	15.58	33528117	10.834 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702006.D
Sample : DMO STD-2 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702007.D Vial: 7
Acq On : 7-2-21 15:32:00 Operator: MB
Sample : DMO STD-3 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

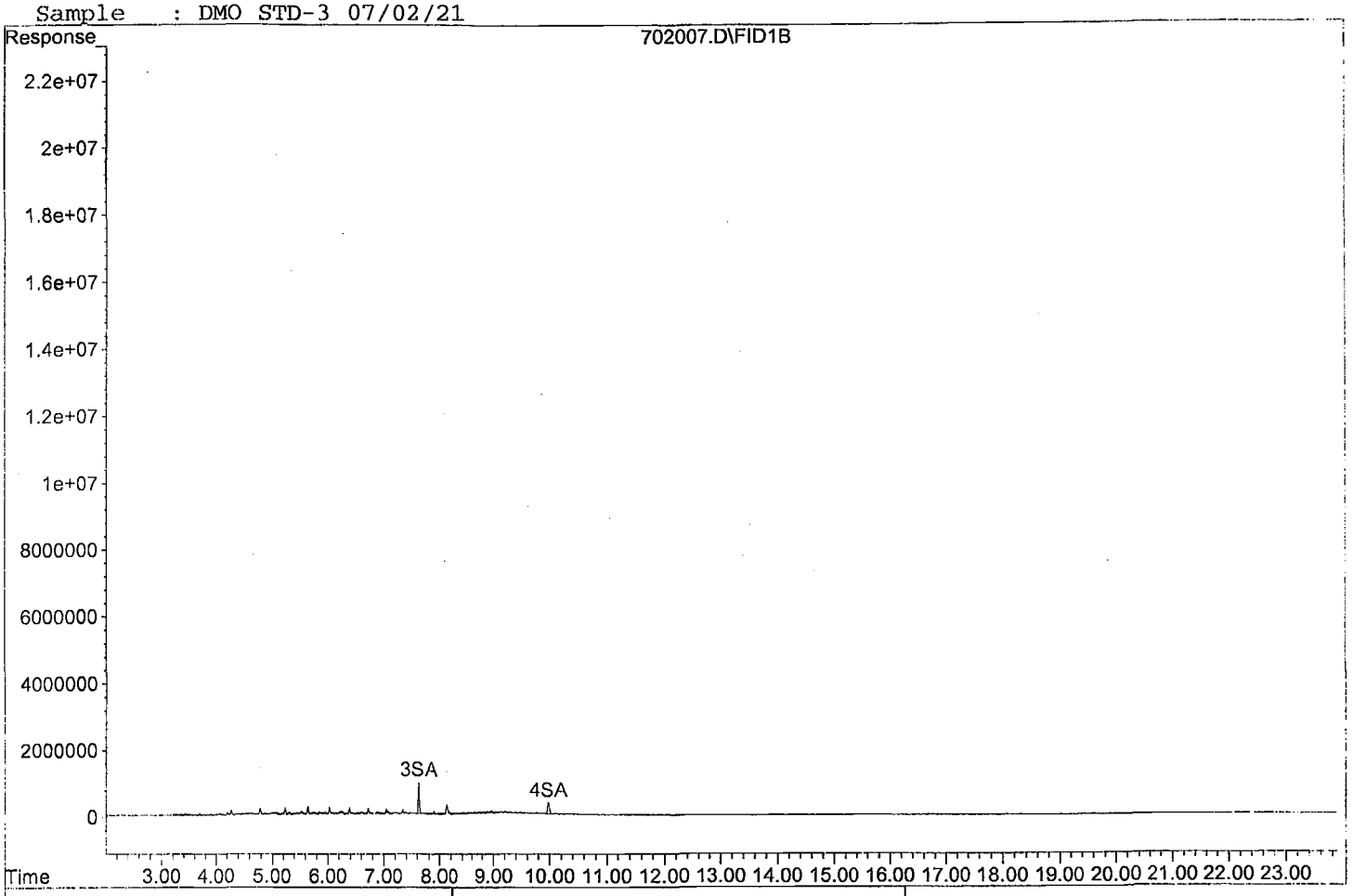
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

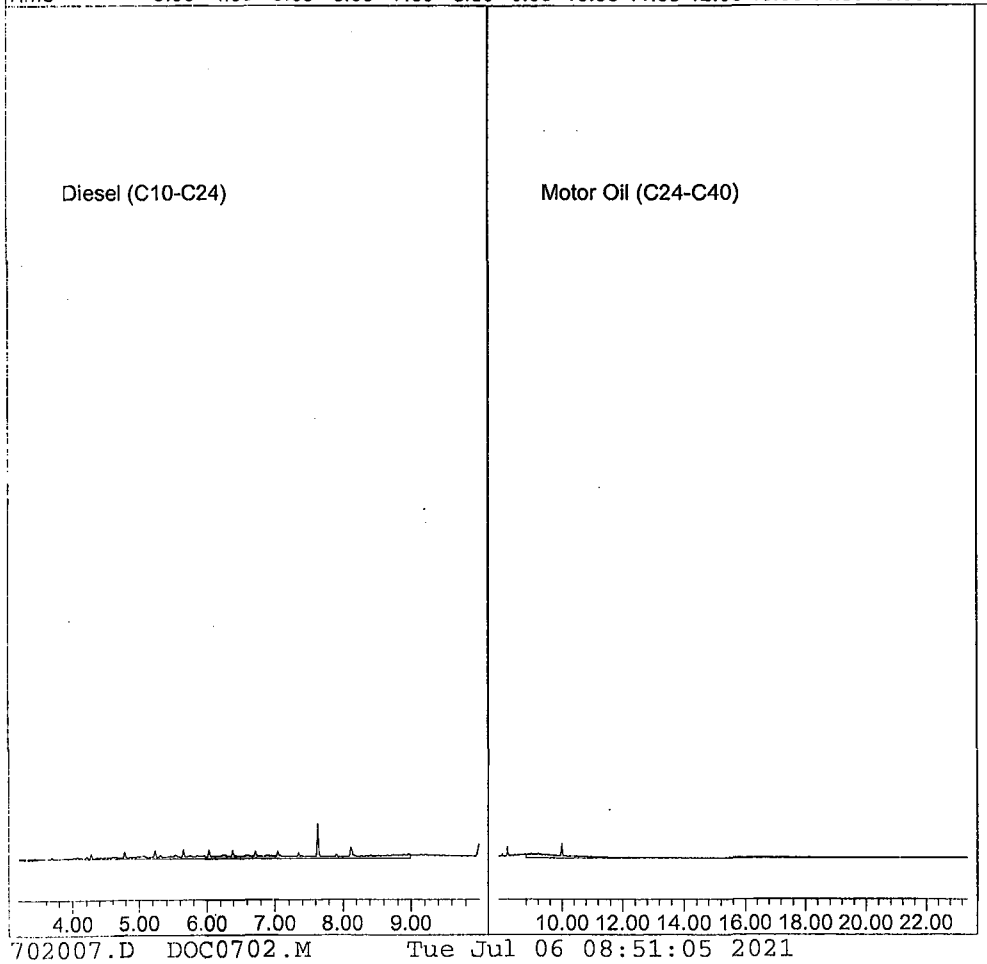
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	12157783	2.432 ppb
Surrogate Spike 30.000	Recovery =		8.11%
4) SA Octacosane(S)	9.99	7943456	2.374 ppb
Surrogate Spike 30.000	Recovery =		7.91%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	201493934	45.942 ppb
2) HBTM Motor Oil (C24-C40)	15.58	149195183	48.211 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702007.D
Sample : DMO STD-3 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702008.D Vial: 8
Acq On : 7-2-21 16:01:03 Operator: MB
Sample : DMO STD-4 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

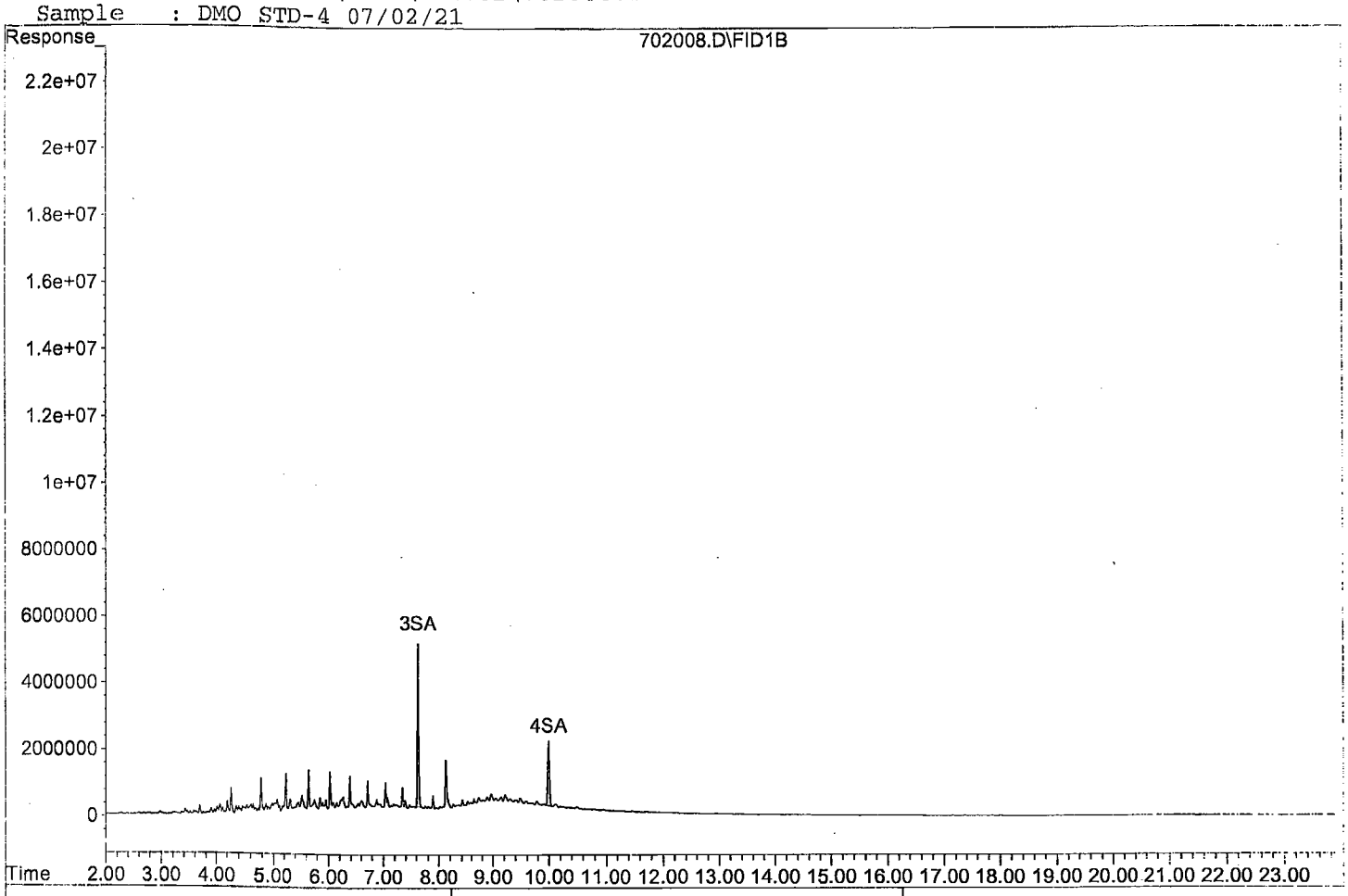
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

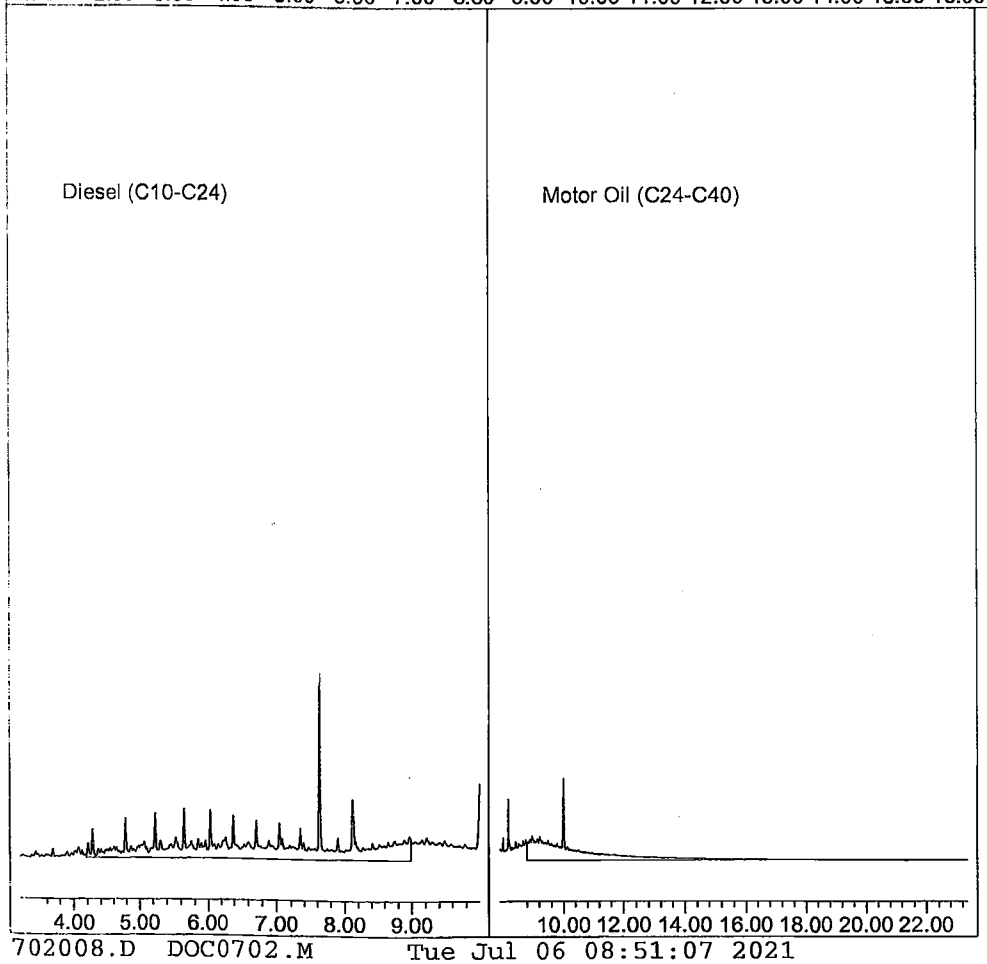
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.63	63248117	12.653 ppb
Surrogate Spike 30.000	Recovery =		42.18%
4) SA Octacosane(S)	9.99	42382685	12.666 ppb
Surrogate Spike 30.000	Recovery =		42.22%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1033958317	235.747 ppb
2) HBTM Motor Oil (C24-C40)	15.58	761210432	245.978 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702008.D
Sample : DMO STD-4 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702009.D Vial: 9
Acq On : 7-2-21 16:29:22 Operator: MB
Sample : DMO STD-5 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

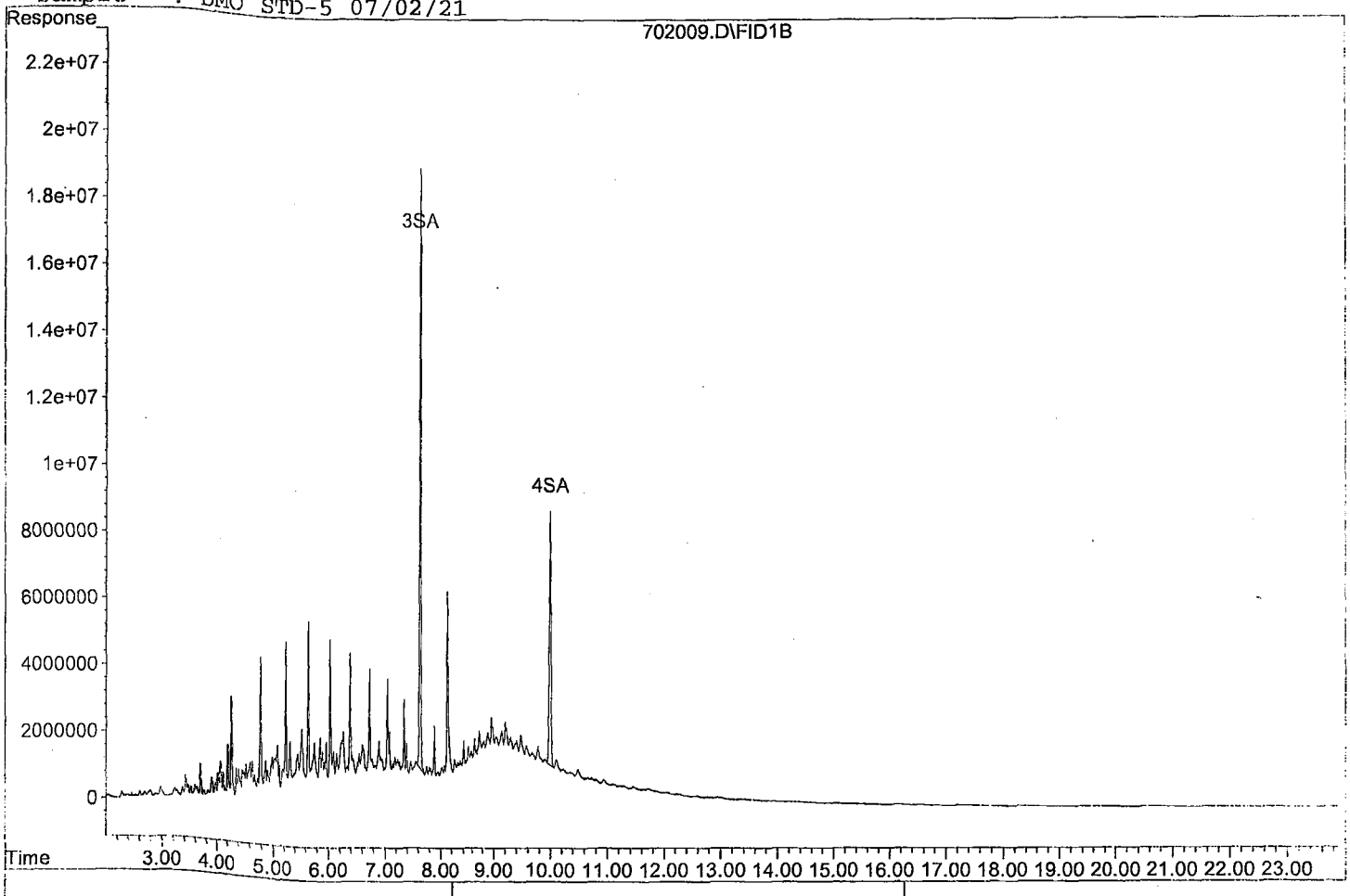
Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

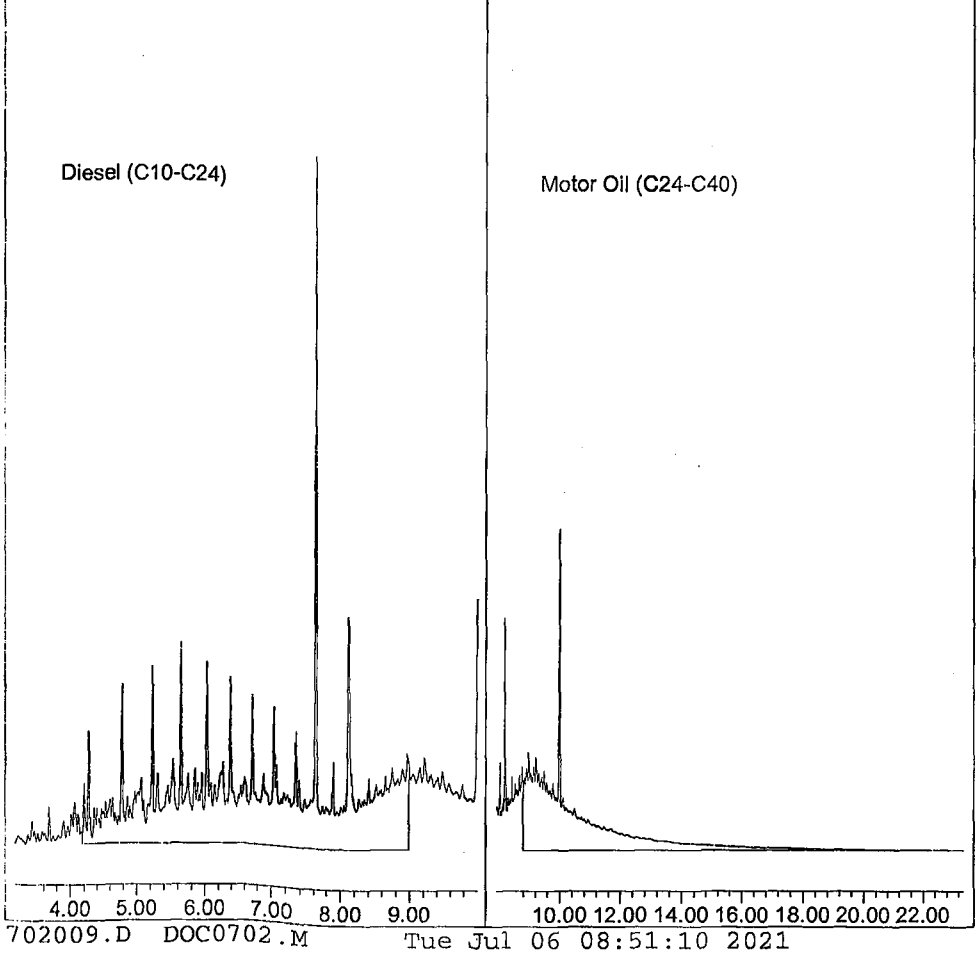
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	242267738	48.465 ppb
Surrogate Spike 30.000		Recovery =	161.55%
4) SA Octacosane(S)	10.00	164424401	49.137 ppb
Surrogate Spike 30.000		Recovery =	163.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	4079443154	930.133 ppb
2) HBTM Motor Oil (C24-C40)	15.58	2985720309	964.809 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210702\702009.D
Sample : DMO STD-5 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702010.D Vial: 10
Acq On : 7-2-21 16:57:44 Operator: MB
Sample : DMO STD-6 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

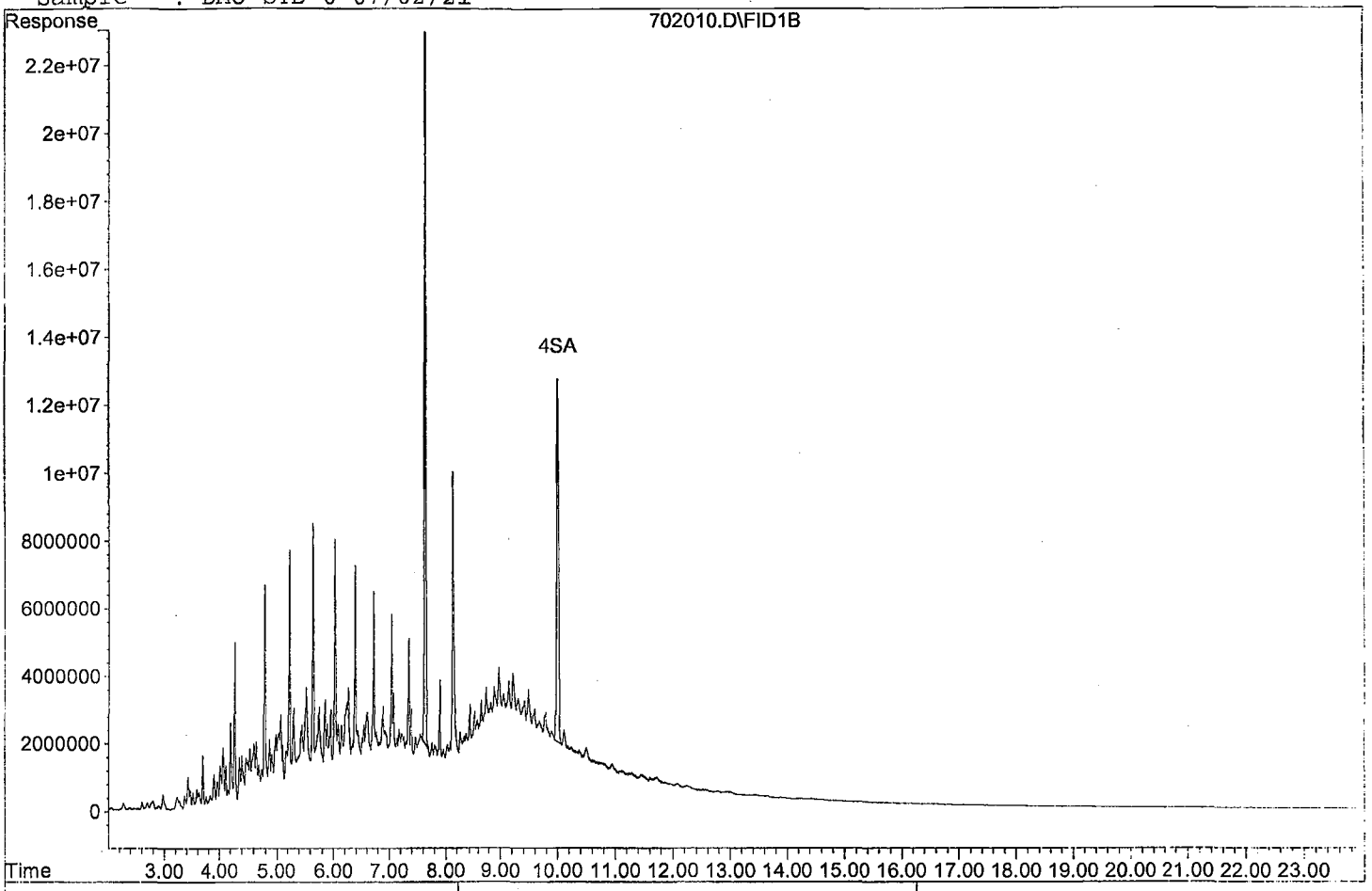
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

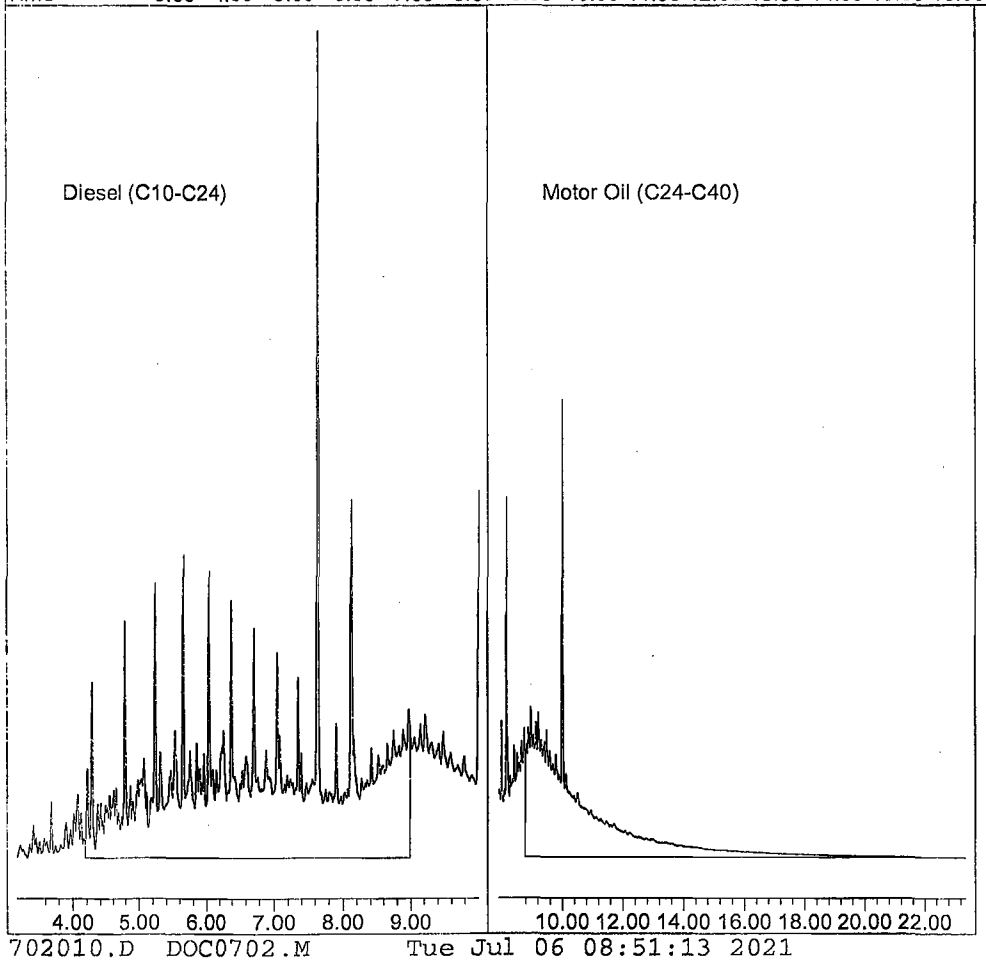
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.64	365375654	73.092	ppb
Surrogate Spike 30.000		Recovery =	243.64%	
4) SA Octacosane(S)	10.00	254910432	76.178	ppb
Surrogate Spike 30.000		Recovery =	253.93%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	6357793272	1449.608	ppb
2) HBTM Motor Oil (C24-C40)	15.58	4638339387	1498.838	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702010.D
Sample : DMO STD-6 07/02/21





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702011.D Vial: 11
Acq On : 7-2-21 17:26:03 Operator: MB
Sample : DMO STD-7 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:47 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

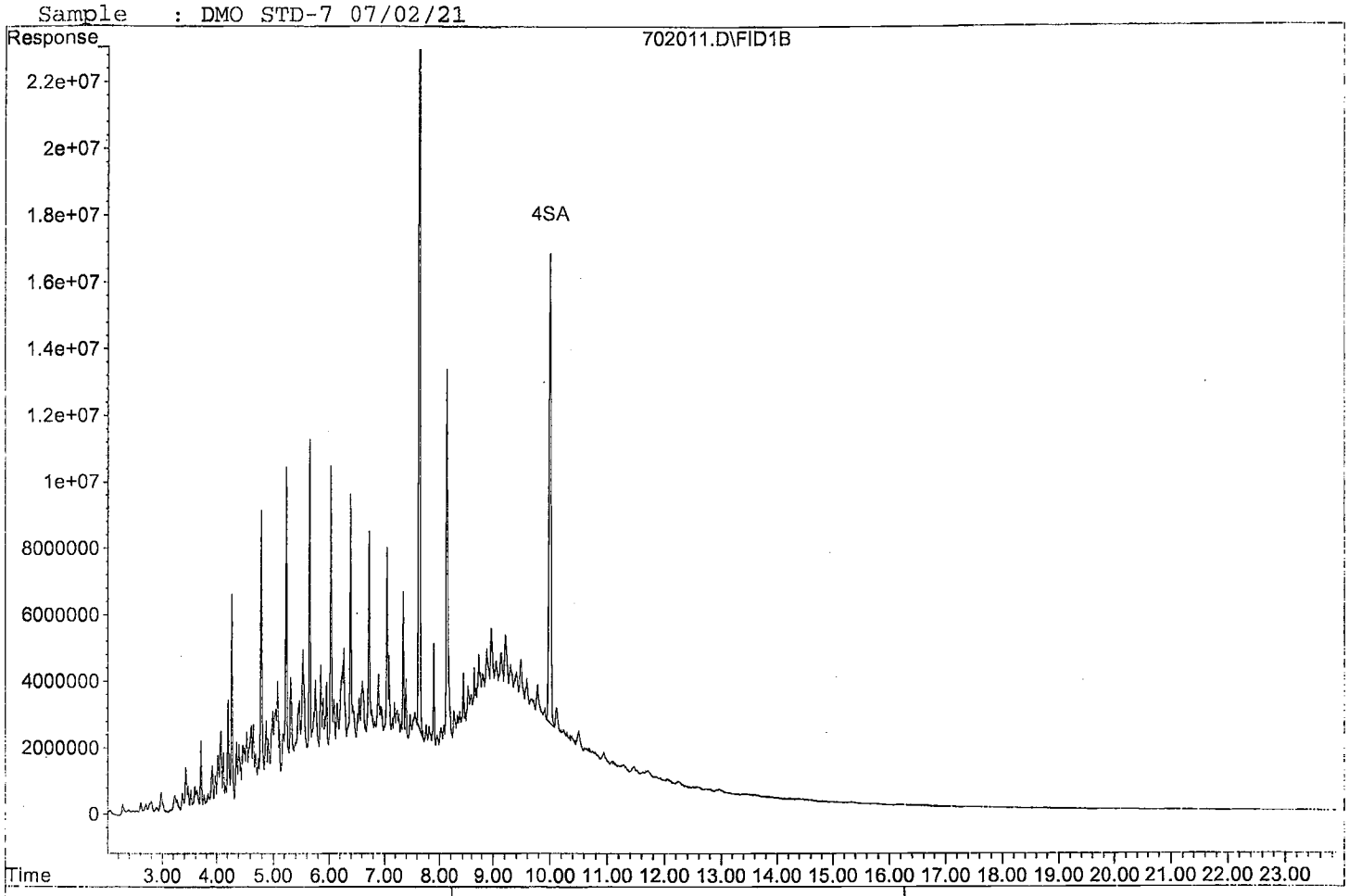
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

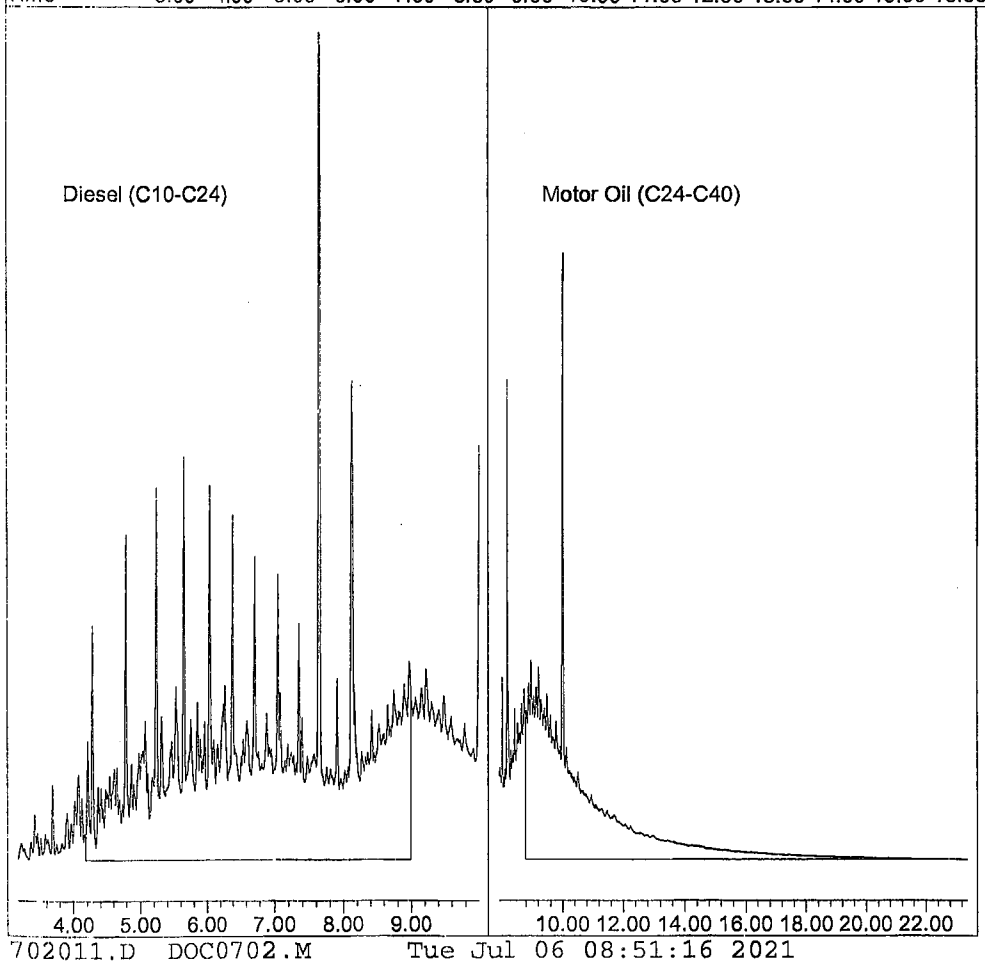
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.64	499899155	100.003 ppb
Surrogate Spike 30.000		Recovery =	333.34%
4) SA Octacosane(S)	10.01	341107264	101.937 ppb
Surrogate Spike 30.000		Recovery =	339.79%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	8559469801	1951.600 ppb
2) HBTM Motor Oil (C24-C40)	15.58	6216469170	2008.797 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702011.D
Sample : DMO STD-7 07/02/21





TPH Extractables
DOC0702

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/02/21
Instrument: Apollo
Initial Cal. Date: 07/02/21
Data File: 702012.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2197080	0.19	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1697380	9.7	HBTM	
3							
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		Average			4.9		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210702\702012.D Vial: 12
Acq On : 7-2-21 17:54:24 Operator: MB
Sample : DMO STD-SS 07/02/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Jul 6 8:49 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210702\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Tue Jul 06 08:45:30 2021
Response via : Multiple Level Calibration

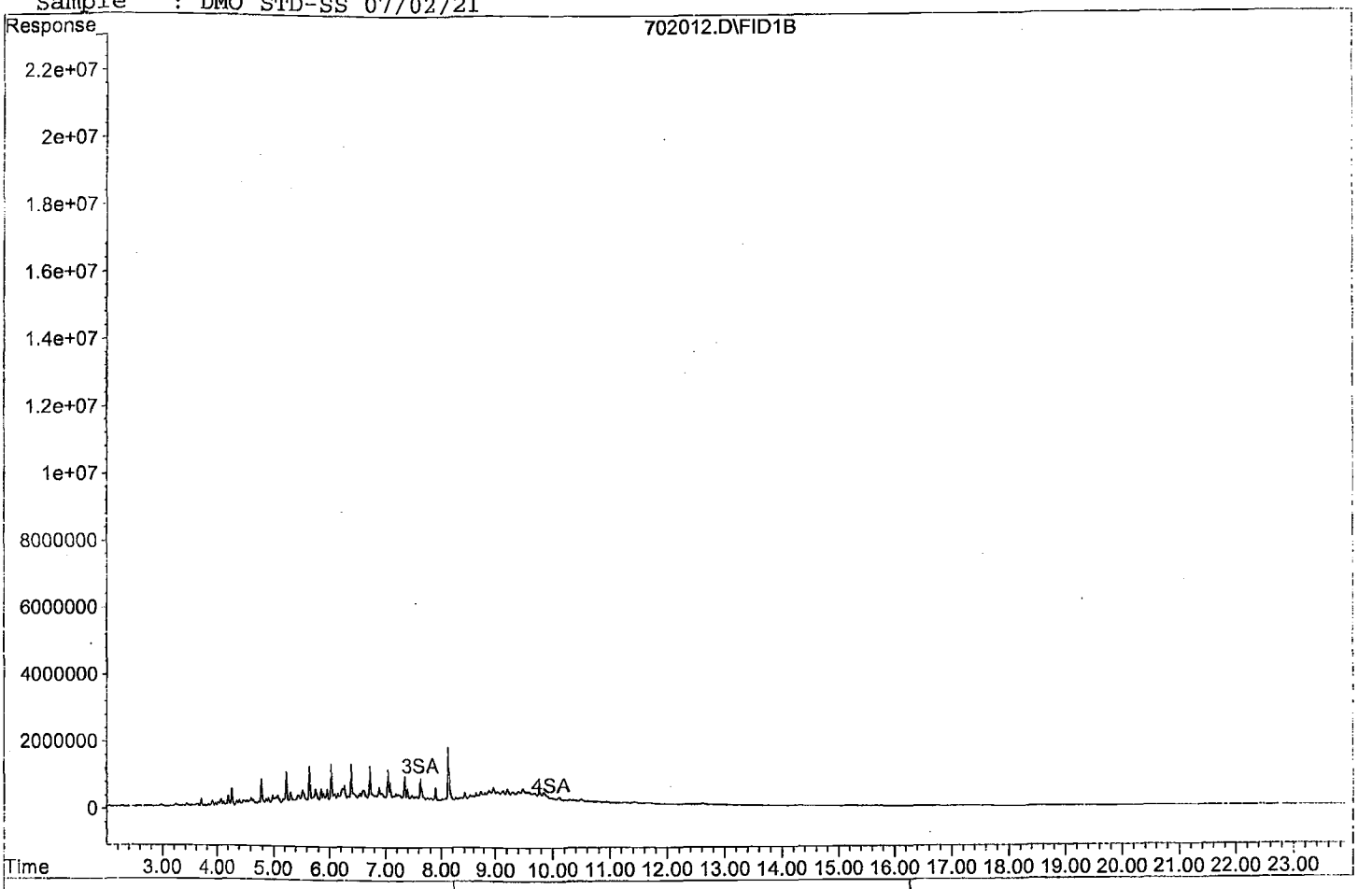
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

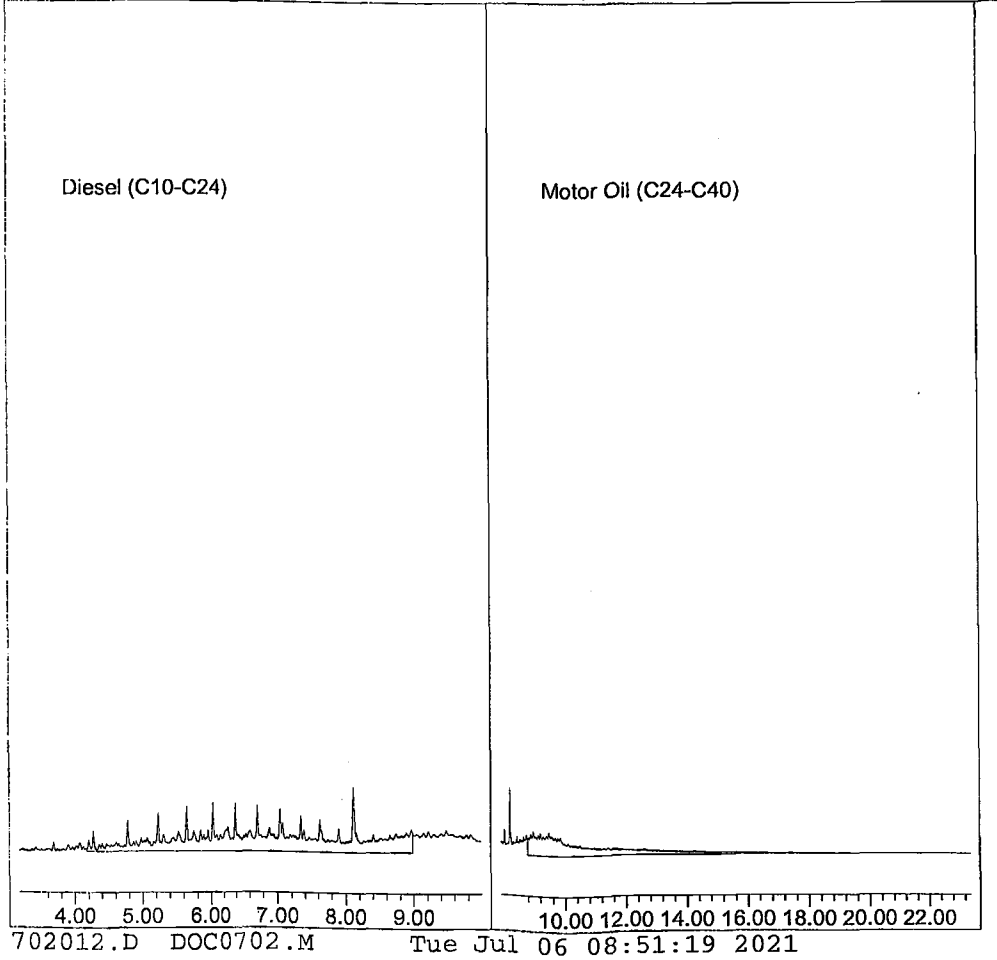
Compound	R.T.	Response	Conc	Units
System Monitoring Compounds				
3) SA Ortho-Terphenyl(S)	7.63	4247288	0.850	ppb
Surrogate Spike 30.000	Recovery =		2.83%	
4) SA Octacosane(S)	9.97	108123	0.032	ppb
Surrogate Spike 30.000	Recovery =		0.11%	
Target Compounds				
1) HATM Diesel (C10-C24)	6.59	1098540957	250.473	ppb
2) HBTM Motor Oil (C24-C40)	15.58	848692375	274.247	ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210702\702012.D
Sample : DMO STD-SS 07/02/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/5/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 802144.D

		Compound	MEAN	CCRF	%D		%Drift
1	HATM	Diesel (C10-C24)	2192940	2394210	9.2	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1773000	15	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2948150	18	SA	
4	SA	Octacosane(S)	1673130	1891230	13	SA	
5							
6							
7							
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35							
36							
37							
38							
39							
40							
		Average			13.8		

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802144.D Vial: 44
Acq On : 8-5-21 17:39:42 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

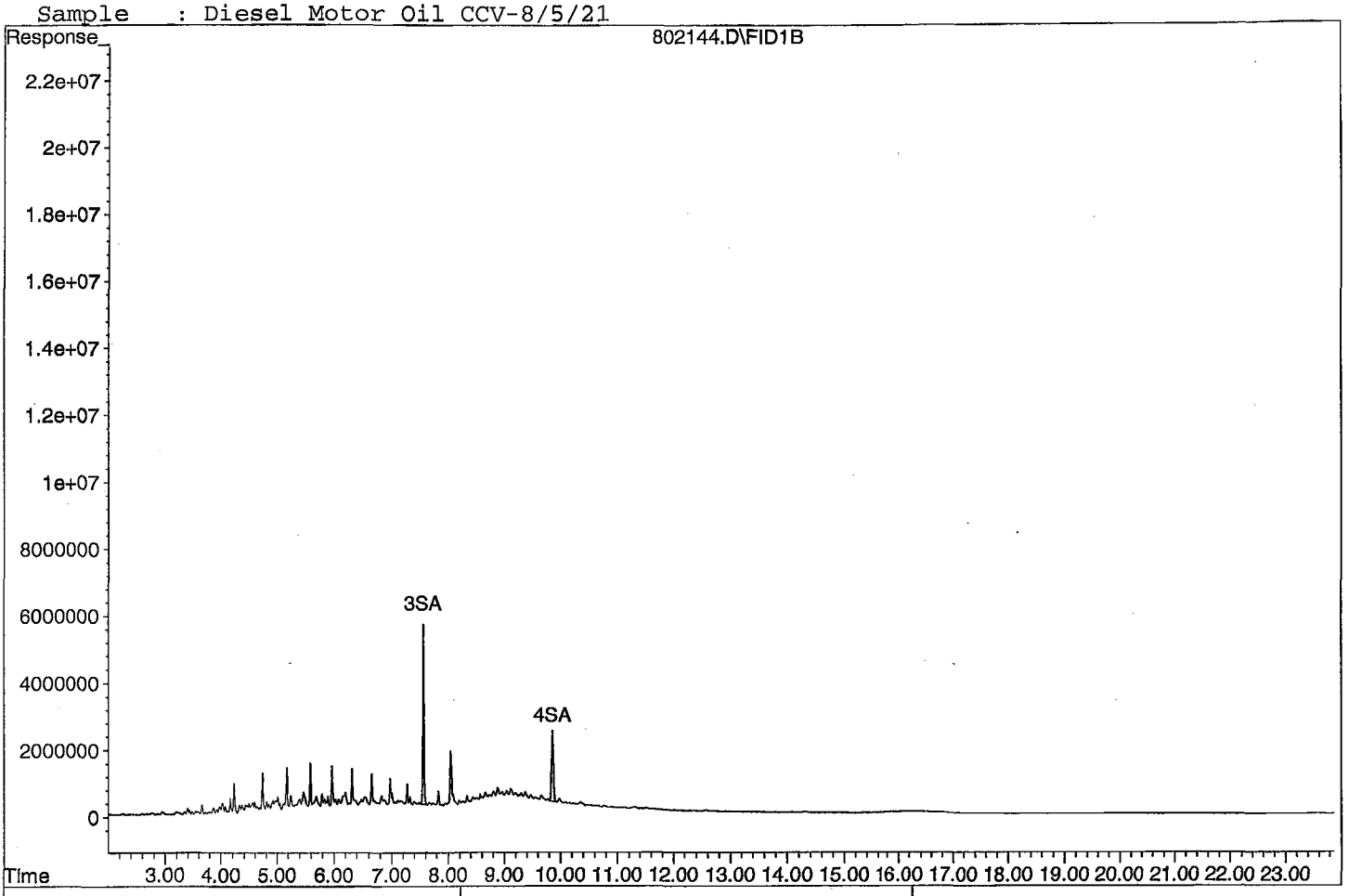
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

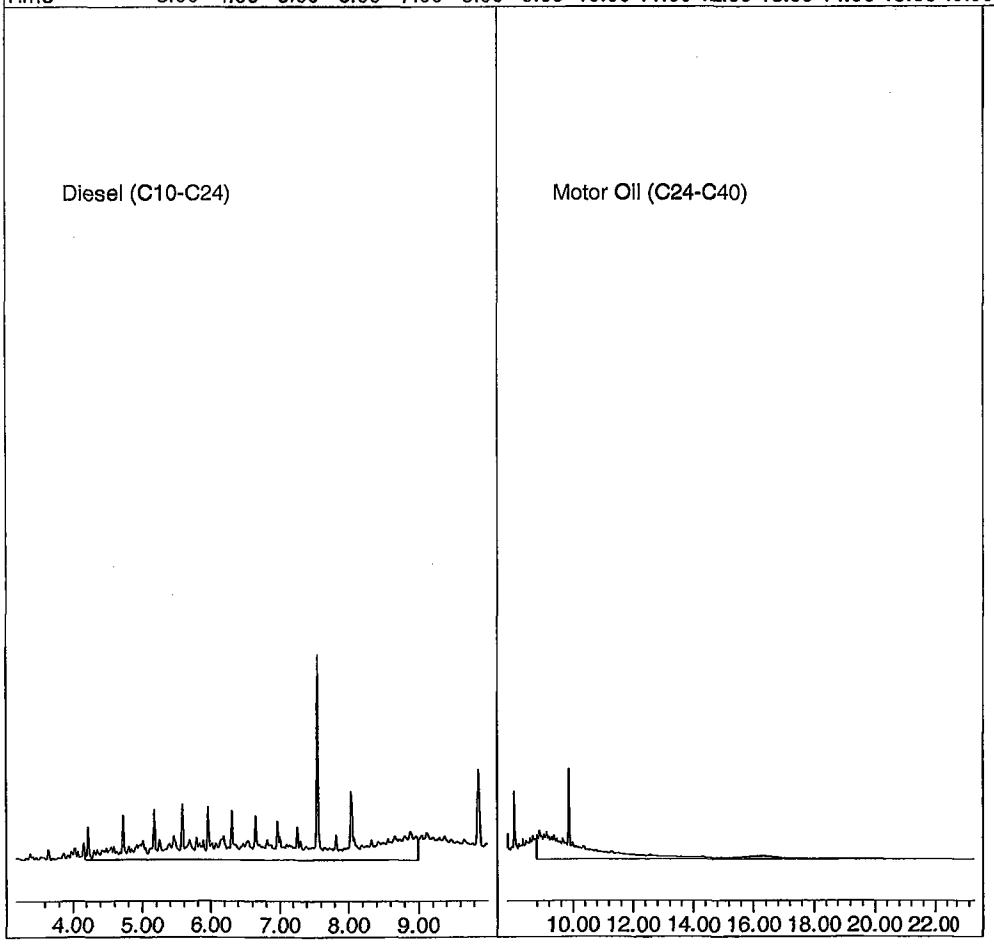
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	73703710	14.744 ppb
Surrogate Spike 30.000		Recovery =	49.15%
4) SA Octacosane(S)	9.86	47280819	14.129 ppb
Surrogate Spike 30.000		Recovery =	47.10%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1197104160	272.946 ppb
2) HBTM Motor Oil (C24-C40)	15.58	886499134	286.464 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210802\802144.D
Sample : Diesel Motor Oil CCV-8/5/21





TPH Extractables
DOC0702

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 8/6/2021
Instrument: Apollo
Initial Cal. Date: 7/2/2021
Data File: 802159.D

		Compound	MEAN	CCRF	%D	%Drift	
1	HATM	Diesel (C10-C24)	2192940	2346400	7.0	HATM	
2	HBTM	Motor Oil (C24-C40)	1547310	1699810	9.9	HBTM	
3	SA	Ortho-Terphenyl(S)	2499420	2839160	14	SA	
4	SA	Octacosane(S)	1673130	1825430	9.1	SA	
5							
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37							
38							
39							
40							
		Average			10.0		

Quantitation Report (Not Reviewed)

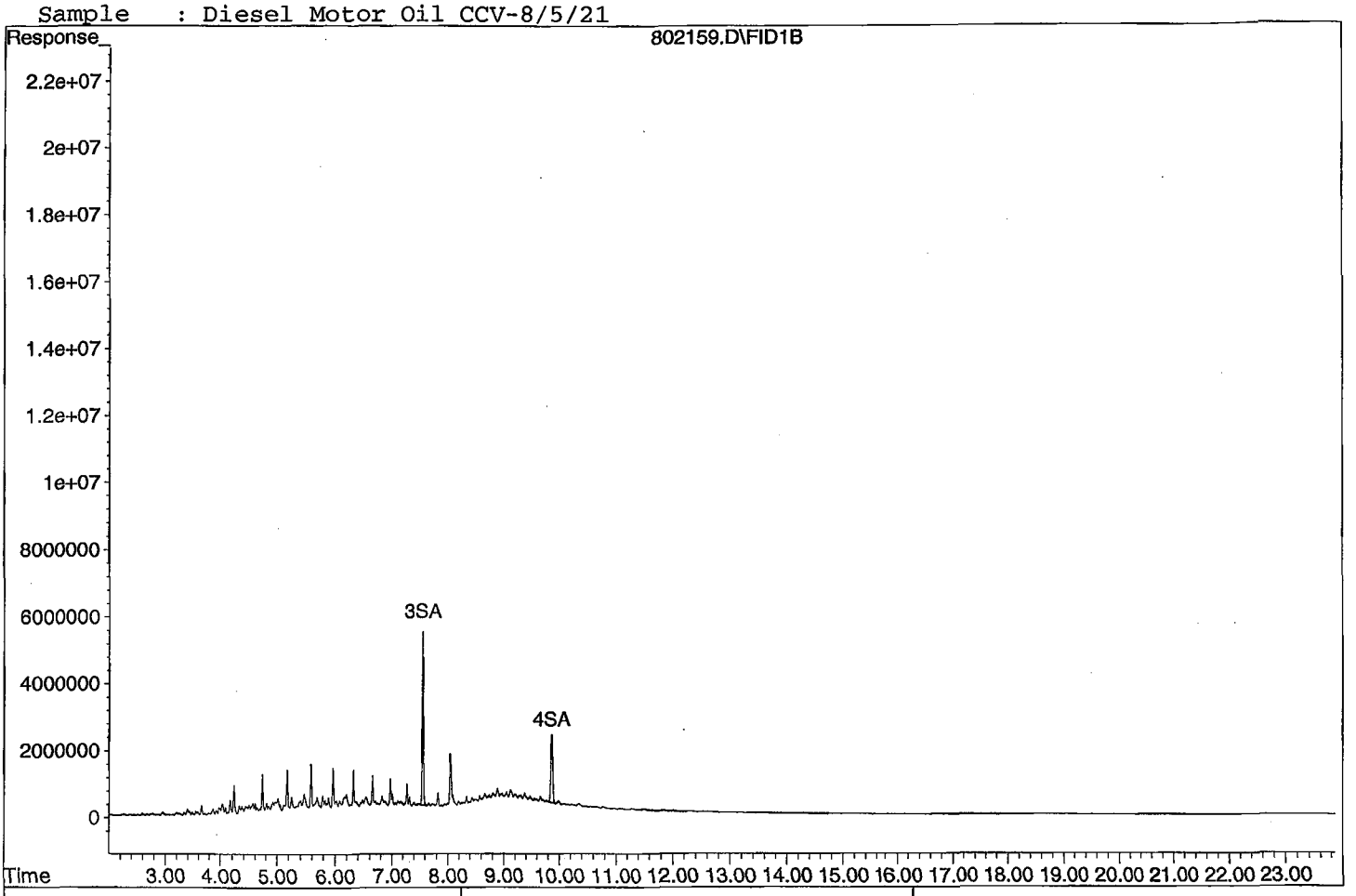
Data File : G:\APOLLO\DATA\210802\802159.D Vial: 59
Acq On : 8-6-21 0:45:15 Operator: KA
Sample : Diesel Motor Oil CCV-8/5/21 Inst : Apollo
Misc : water Multiplr: 1.00
IntFile : events.e
Quant Time: Aug 7 9:50 2021 Quant Results File: DOC0702.RES

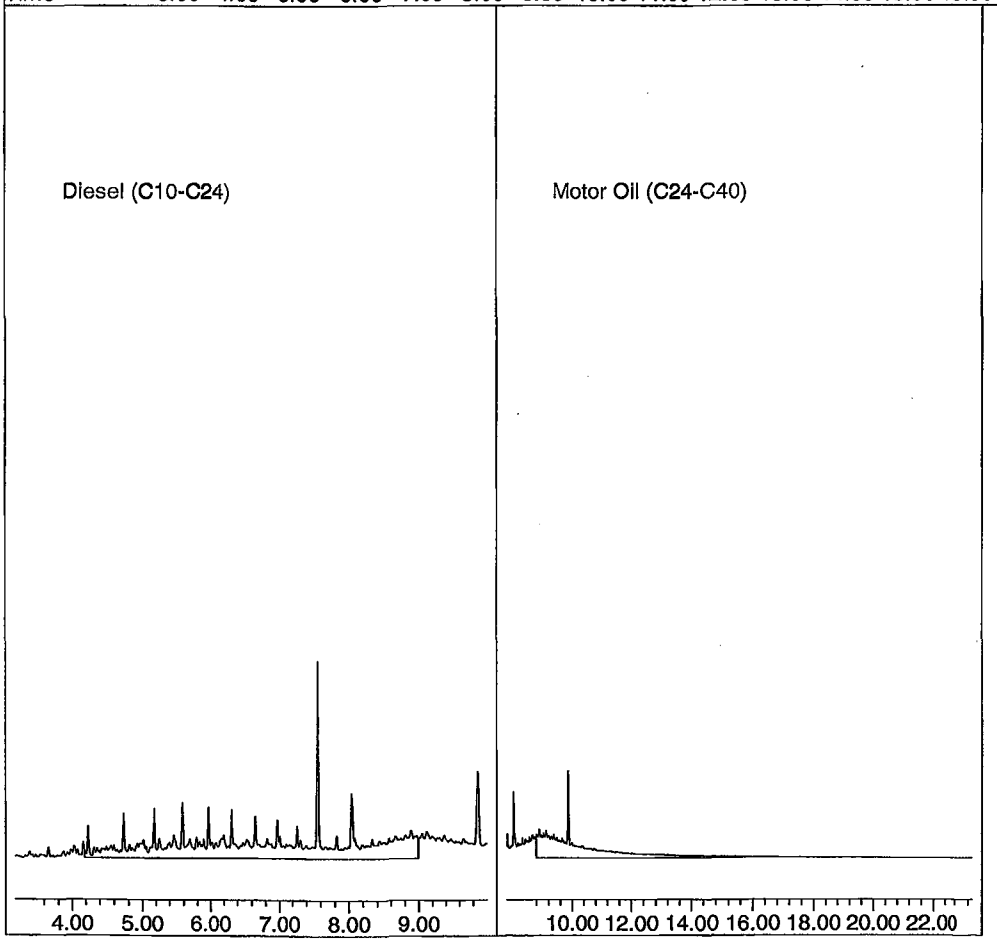
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	70979089	14.199 ppb
Surrogate Spike 30.000		Recovery =	47.33%
4) SA Octacosane(S)	9.86	45635740	13.638 ppb
Surrogate Spike 30.000		Recovery =	45.46%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	1173199847	267.495 ppb
2) HBTM Motor Oil (C24-C40)	15.58	849903890	274.639 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210802\802159.D
Sample : Diesel Motor Oil CCV-8/5/21





ORGANICS
Raw Data

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802149.D Vial: 49
Acq On : 8-5-21 20:01:19 Operator: KA
Sample : BA36548W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

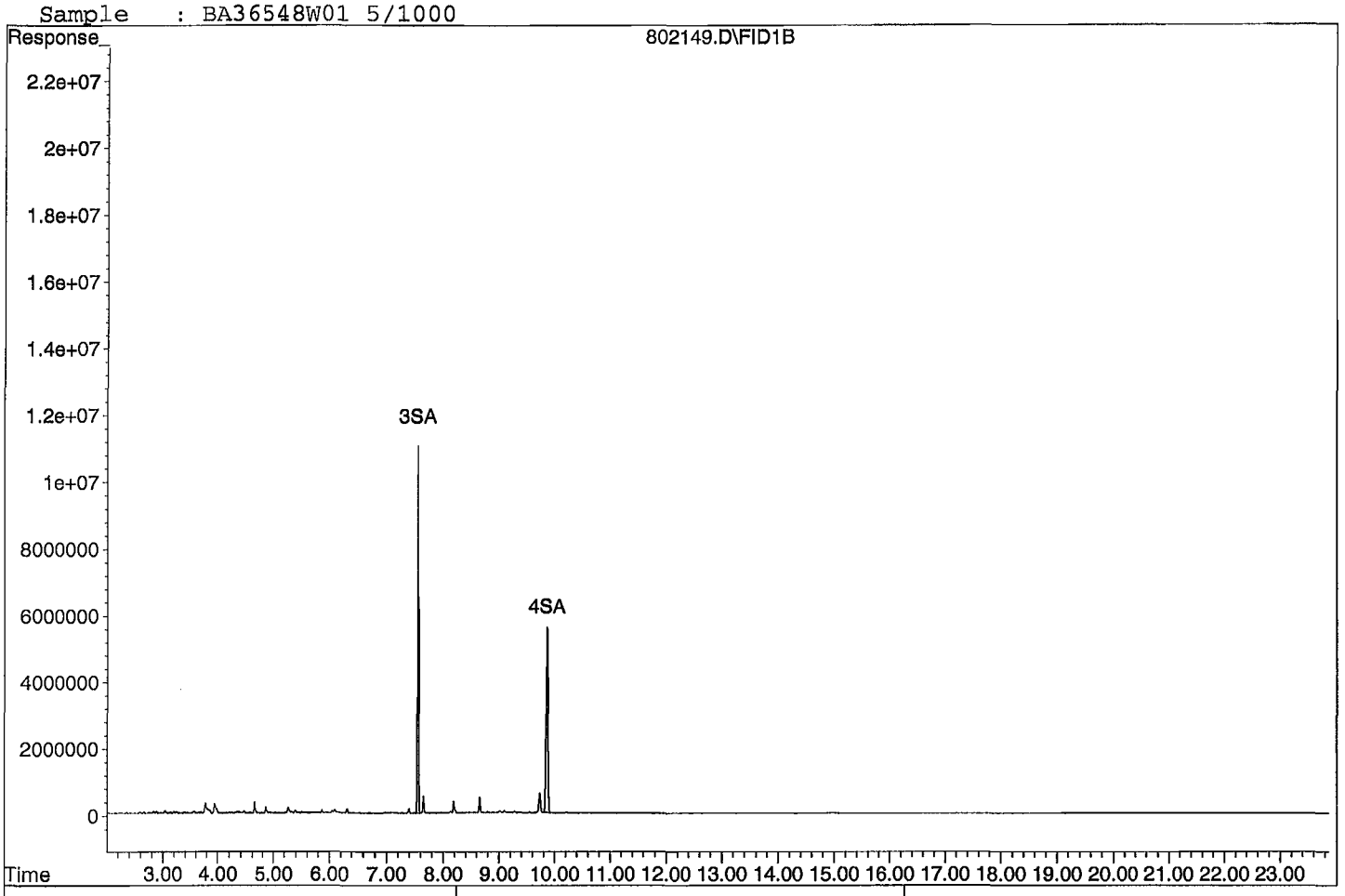
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

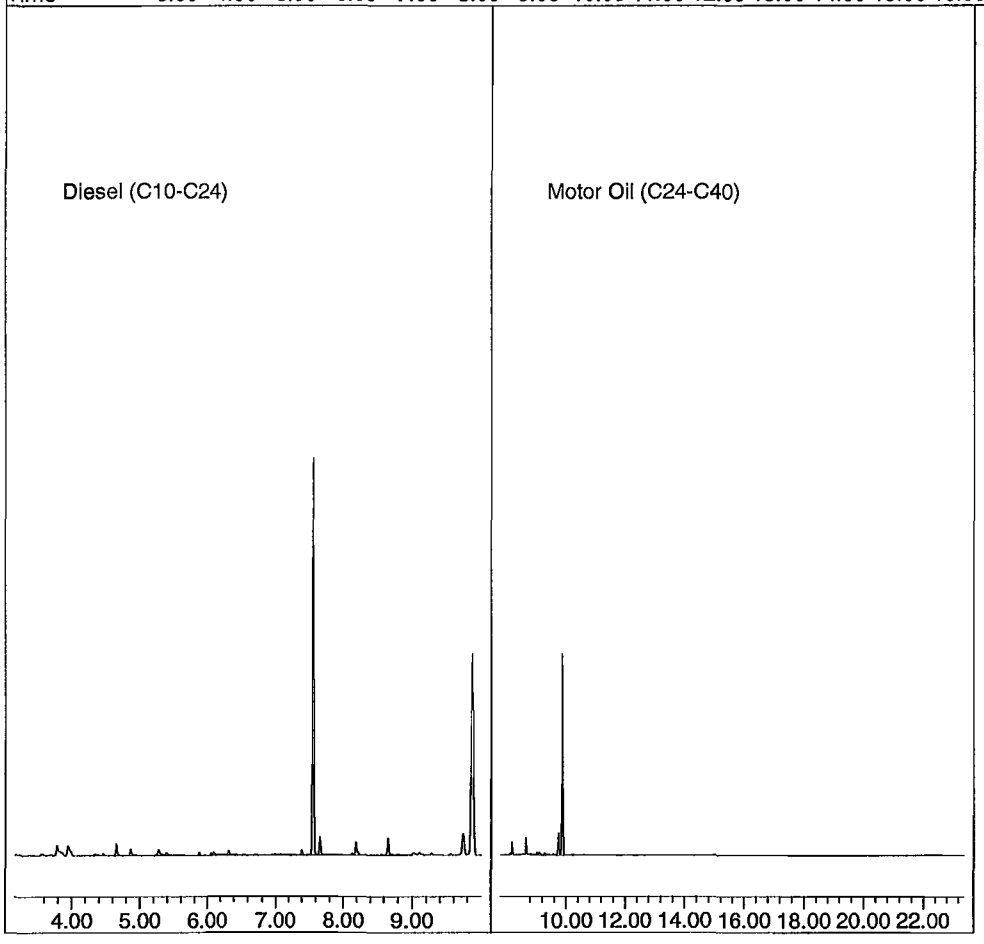
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	136112596	136.144 ppb
Surrogate Spike 150.000		Recovery =	90.76%
4) SA Octacosane(S)	9.86	124553245	186.108 ppb
Surrogate Spike 150.000		Recovery =	124.07%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	75689918	86.288 ppb
2) HBTM Motor Oil (C24-C40)	15.58	69759995	112.712 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210802\802149.D
Sample : BA36548W01 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802150.D Vial: 50
Acq On : 8-5-21 20:29:44 Operator: KA
Sample : BA36551W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

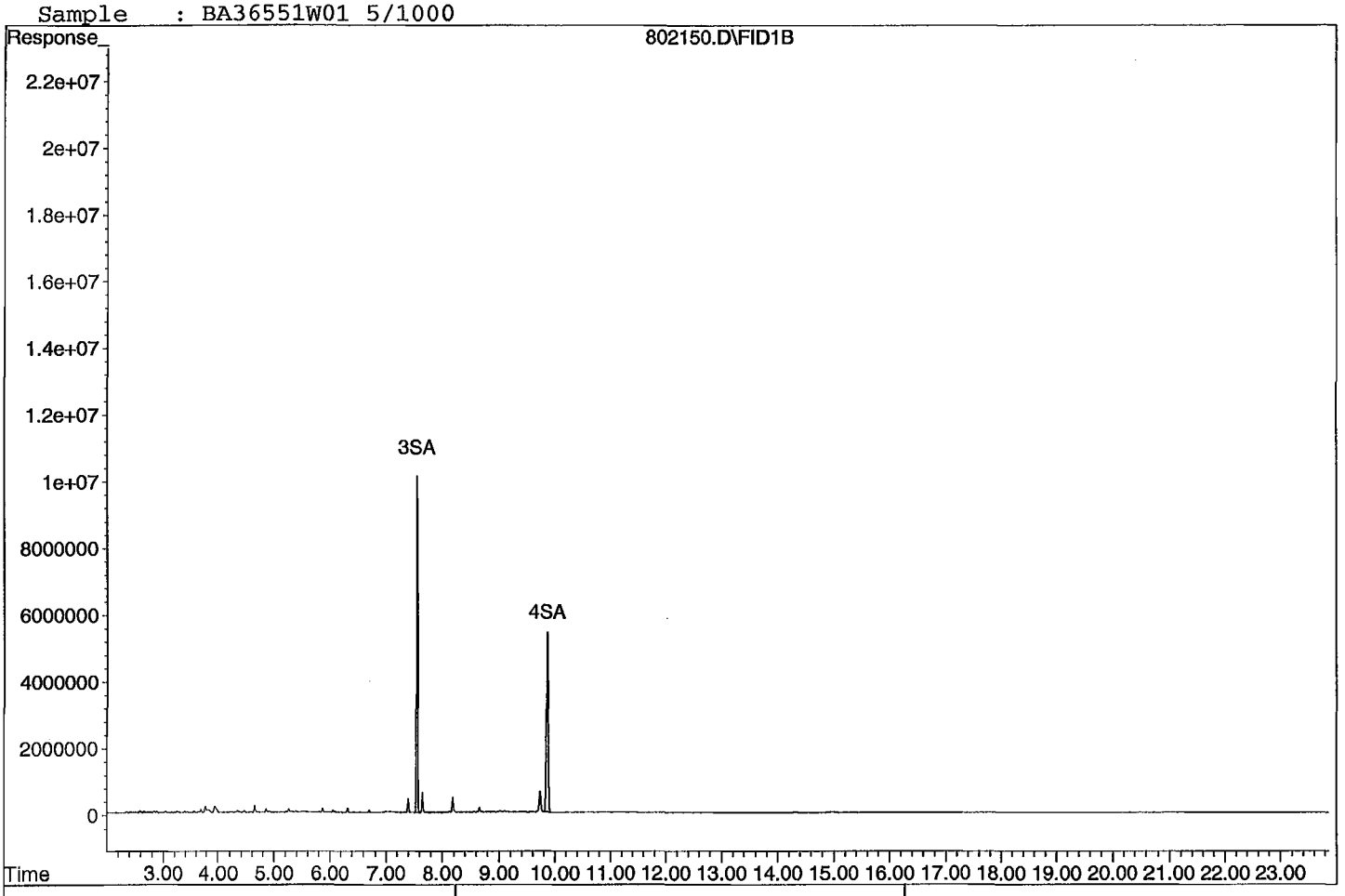
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

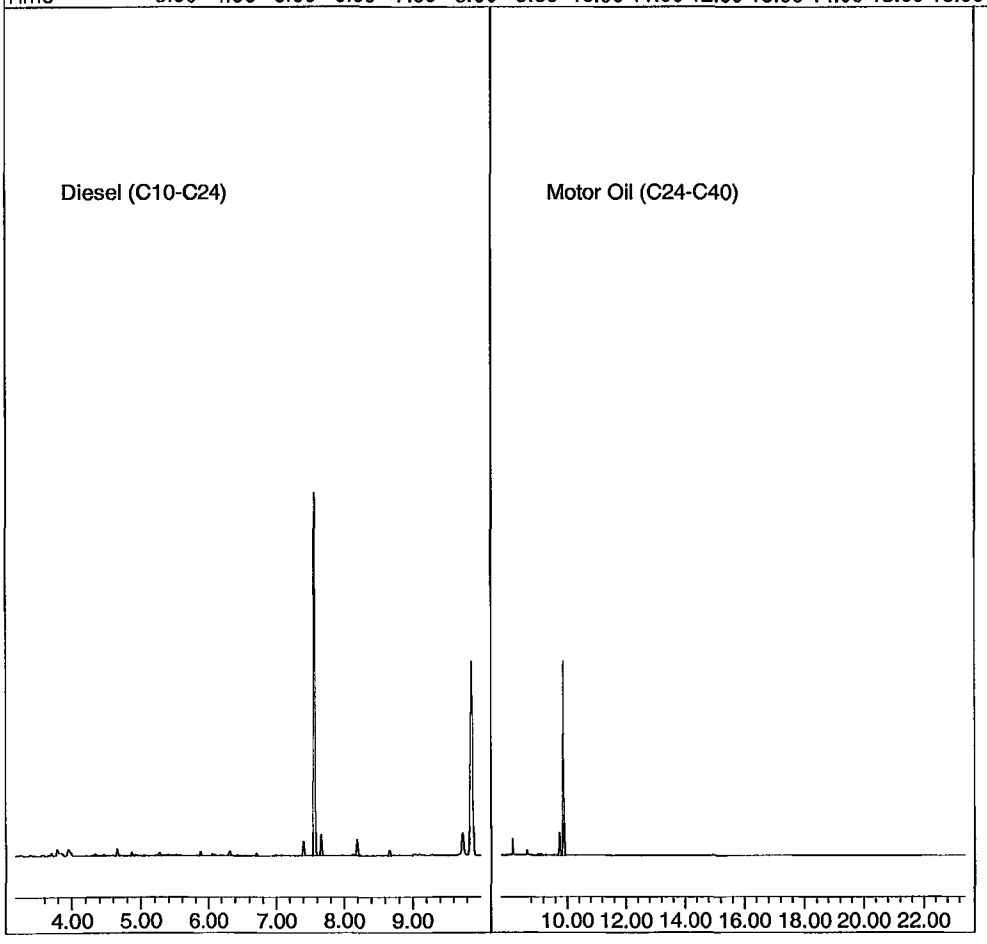
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.56	132343464	132.374 ppb
Surrogate Spike 150.000		Recovery =	88.25%
4) SA Octacosane(S)	9.86	120504077	180.057 ppb
Surrogate Spike 150.000		Recovery =	120.04%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	63605314	72.512 ppb
2) HBTM Motor Oil (C24-C40)	15.58	60436314	97.647 ppb
Target Compounds			

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

Data File: G:\APOLLO\DATA\210802\802150.D
Sample : BA36551W01 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802151.D Vial: 51
Acq On : 8-5-21 20:58:09 Operator: KA
Sample : BA36554W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

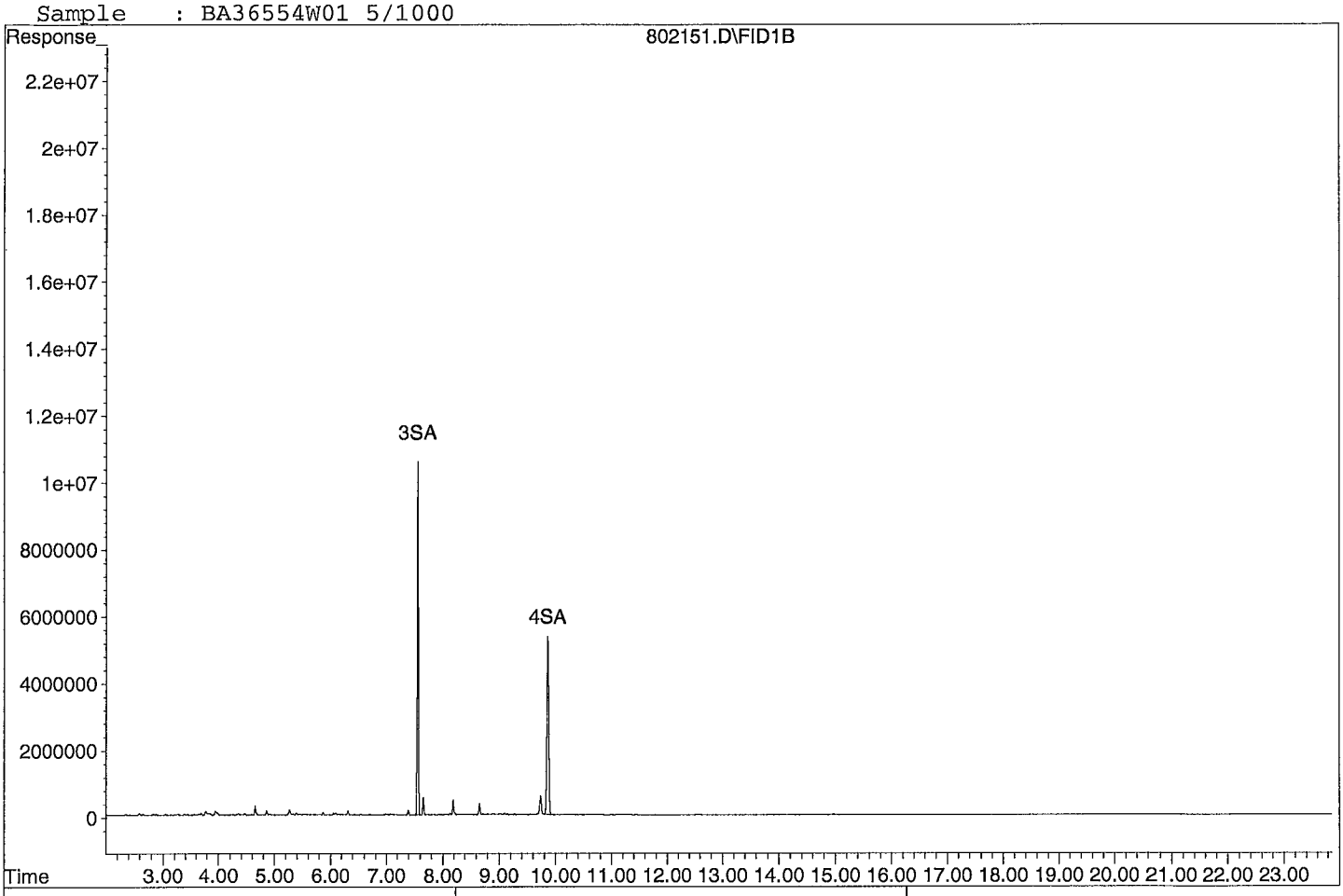
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

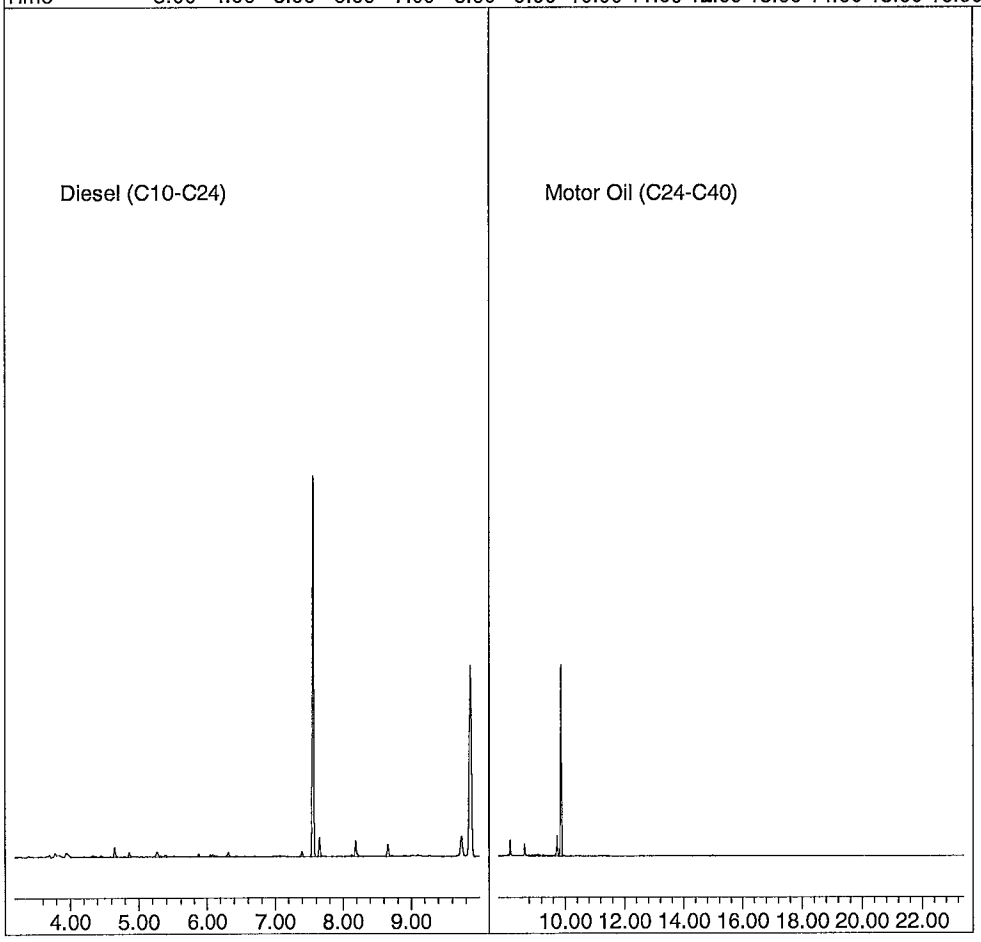
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.56	130120933	130.151 ppb
Surrogate Spike 150.000		Recovery =	86.77%
4) SA Octacosane(S)	9.86	118741948	177.424 ppb
Surrogate Spike 150.000		Recovery =	118.28%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	62070328	70.762 ppb
2) HBTM Motor Oil (C24-C40)	15.58	55241071	89.253 ppb

Target Compounds

Data File: G:\APOLLO\DATA\210802\802151.D
Sample : BA36554W01 5/1000





Quantitation Report (Not Reviewed)

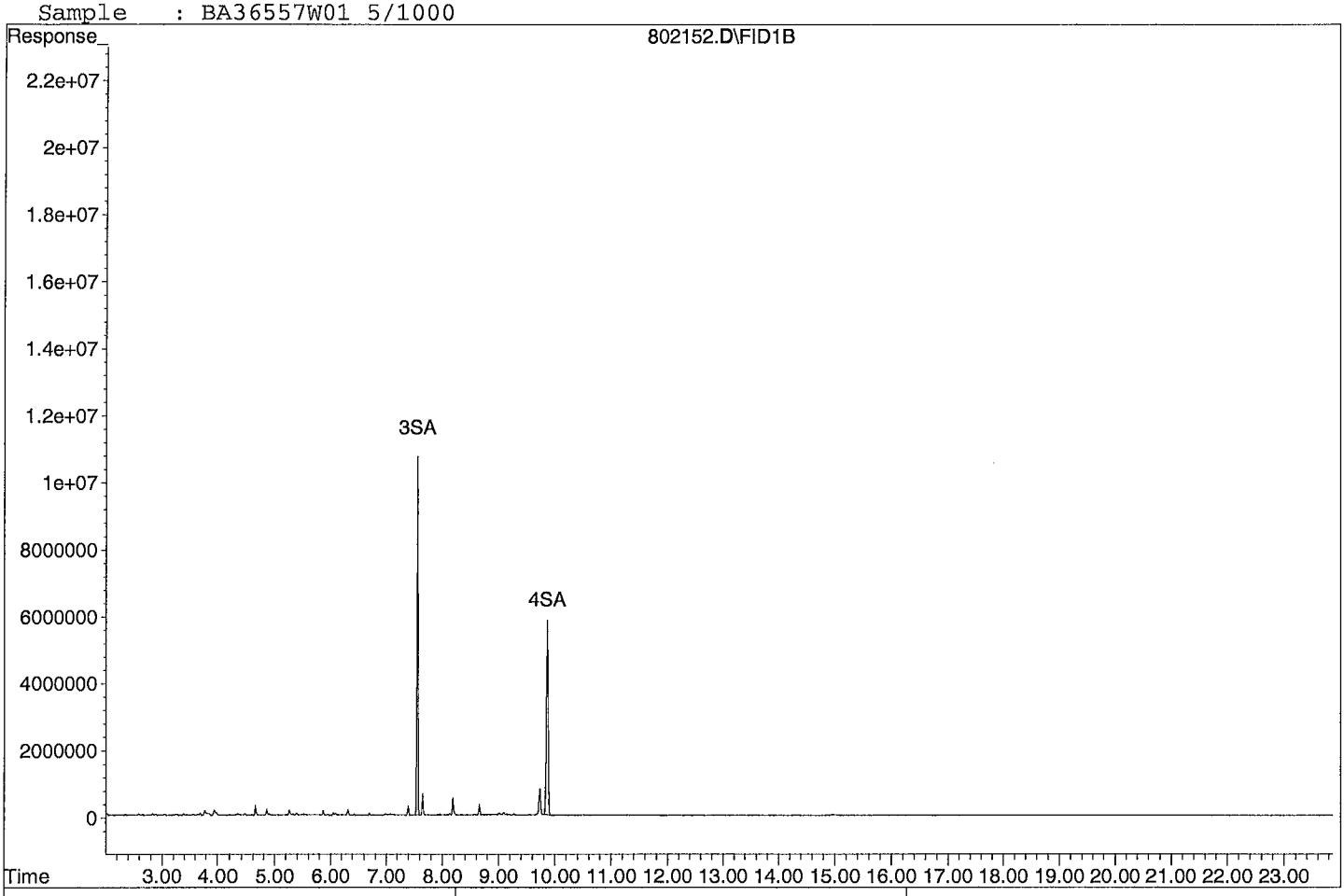
Data File : G:\APOLLO\DATA\210802\802152.D Vial: 52
Acq On : 8-5-21 21:26:36 Operator: KA
Sample : BA36557W01 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

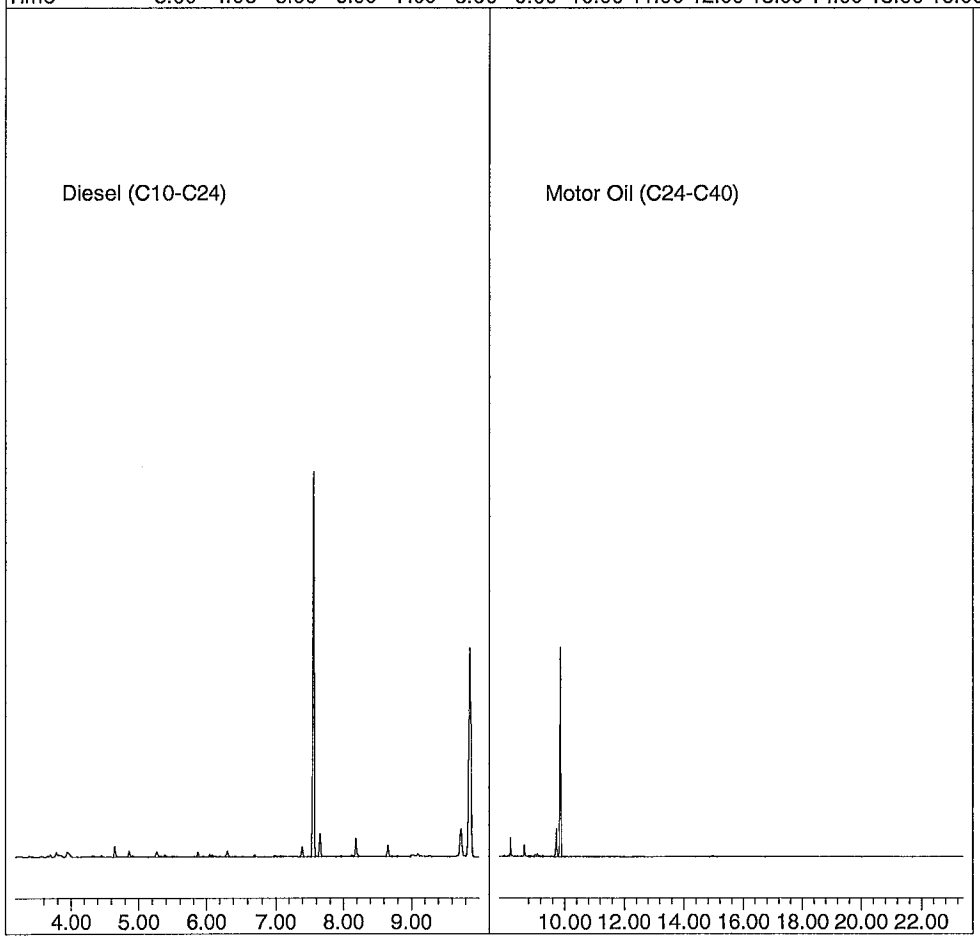
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

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

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	136539774	136.571 ppb
Surrogate Spike 150.000		Recovery =	91.05%
4) SA Octacosane(S)	9.86	124560949	186.119 ppb
Surrogate Spike 150.000		Recovery =	124.08%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	74520498	84.955 ppb
2) HBTM Motor Oil (C24-C40)	15.58	73231162	118.320 ppb
Target Compounds			

Data File: G:\APOLLO\DATA\210802\802152.D
Sample : BA36557W01 5/1000





Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802146.D Vial: 46
Acq On : 8-5-21 18:36:21 Operator: KA
Sample : 210727A BLK 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

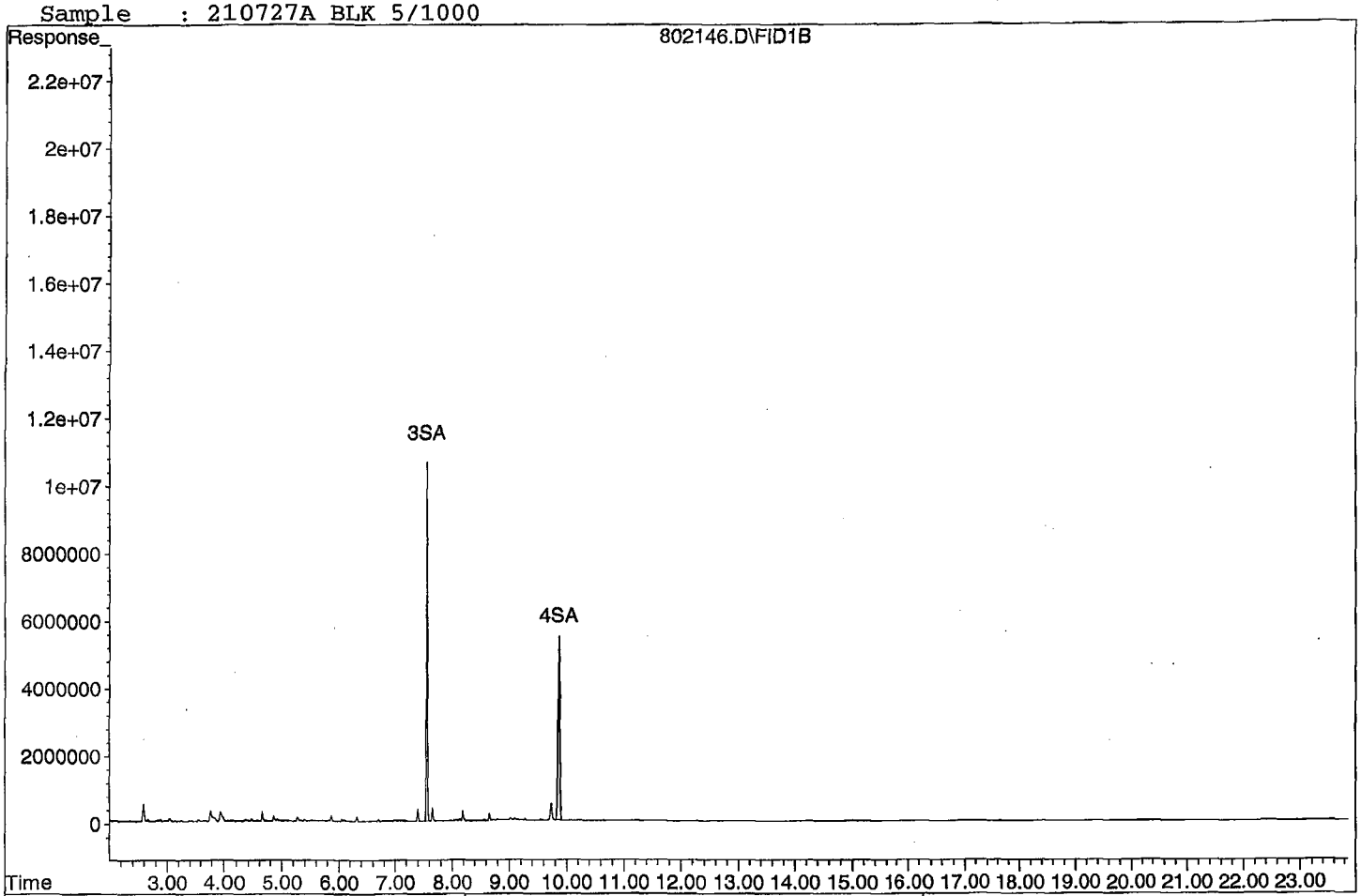
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

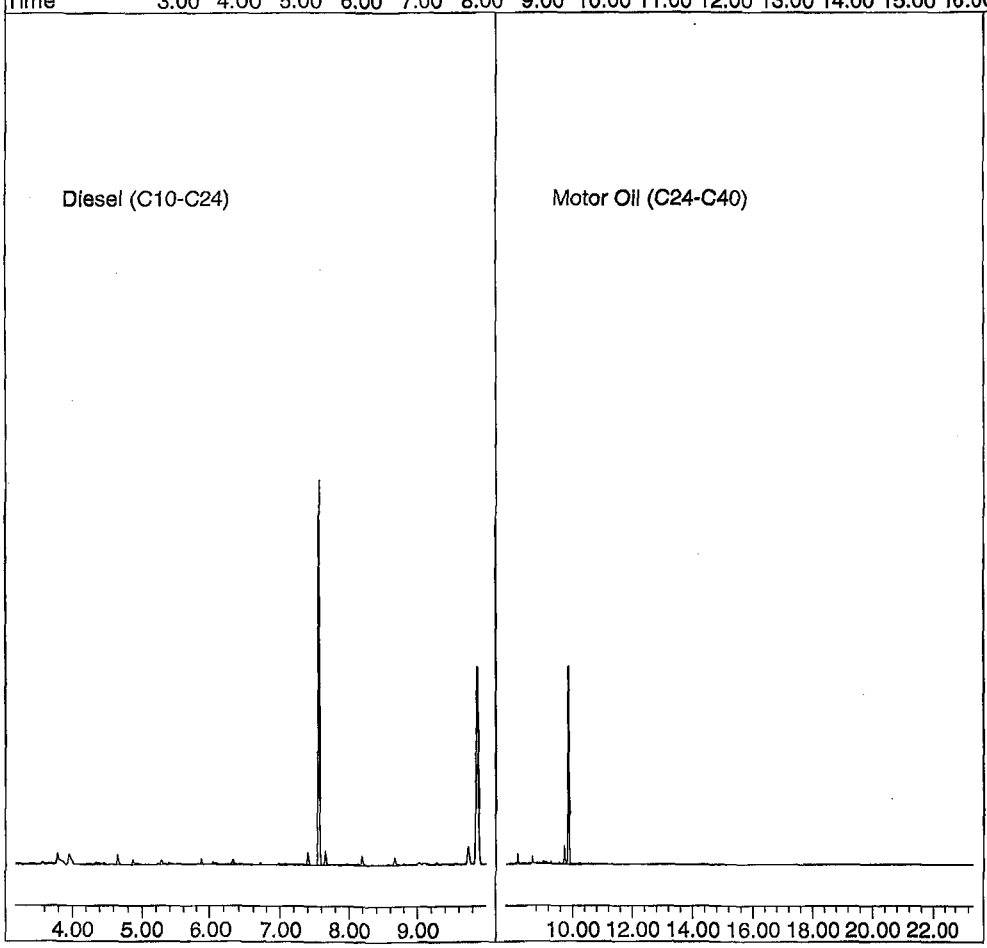
Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.56	130112063	130.142 ppb
Surrogate Spike 150.000		Recovery =	86.76%
4) SA Octacosane(S)	9.86	117820006	176.047 ppb
Surrogate Spike 150.000		Recovery =	117.36%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	68411292	77.991 ppb
2) HBTM Motor Oil (C24-C40)	15.58	70880867	114.523 ppb

Target Compounds

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

Data File: G:\APOLLO\DATA\210802\802146.D
Sample : 210727A BLK 5/1000





802146.D DOC0702.M Mon Nov 01 09:47:50 2021 Page 2

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802147.D
Acq On : 8-5-21 19:04:38
Sample : 210727A LCS-1 5/1000
Misc : water
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

Vial: 47
Operator: KA
Inst : Apollo
Multiplr: 5.00

Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 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)	7.56	129973310	130.003 ppb
Surrogate Spike 150.000		Recovery =	86.67%
4) SA Octacosane(S)	9.86	117957416	176.252 ppb
Surrogate Spike 150.000		Recovery =	117.50%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	89468235	101.996 ppb
2) HBTM Motor Oil (C24-C40)	15.58	106507504	172.085 ppb
Target Compounds			

Diesel:

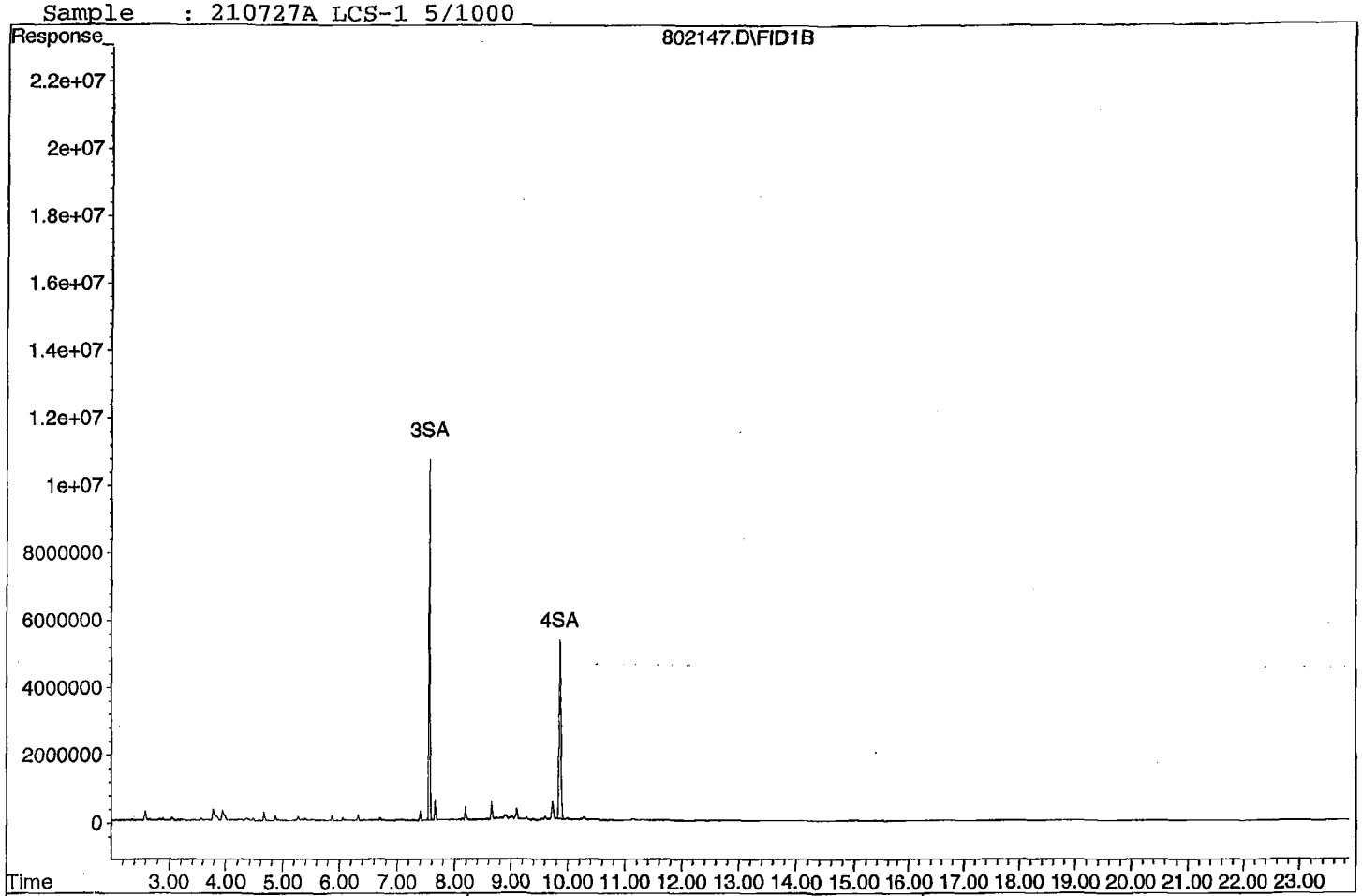
$$\frac{(89468235)(5)}{(2192936)(2)} = \frac{447341175}{4385872} = \boxed{101.996}$$

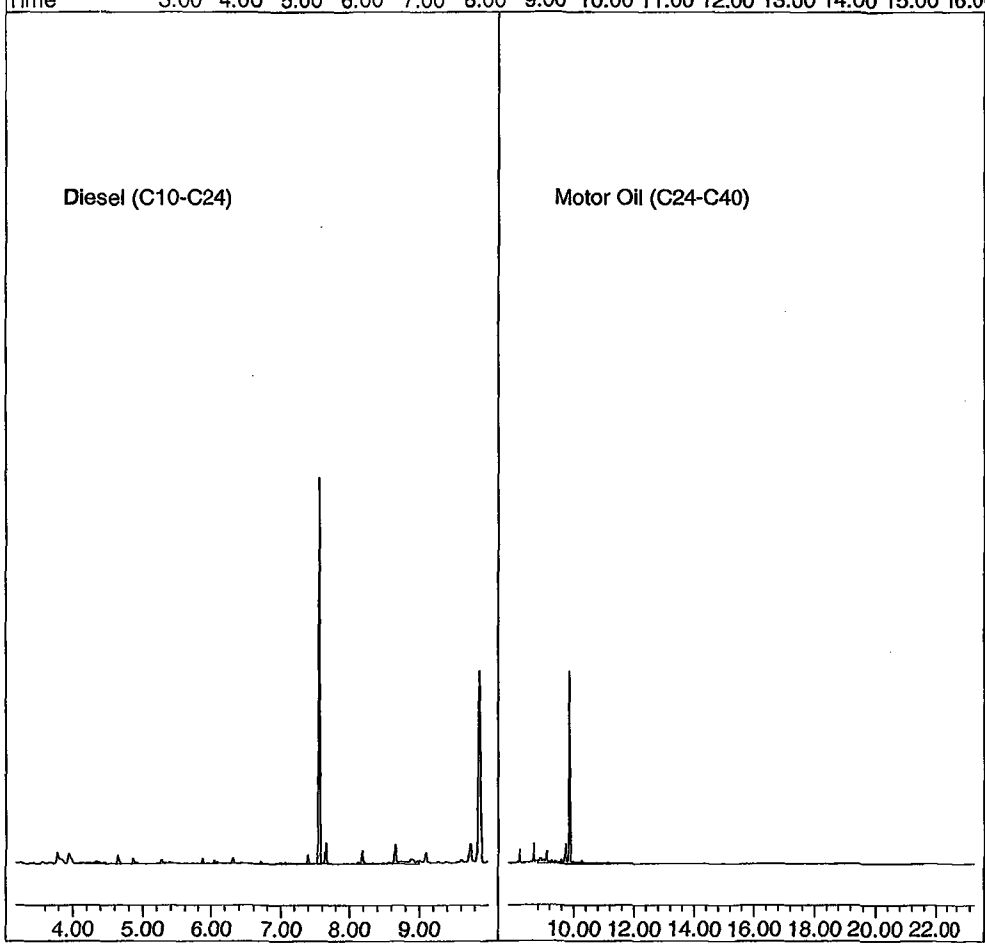
motor Oil:

$$\frac{(106507504)(5)}{(1547312)(2)} = \frac{532537520}{3094624} = \boxed{172.085}$$

(f)=RT Delta > 1/2 Window
802147.D DOC0702.M Mon Nov 01 09:47:51 2021 (m)=manual int.

Data File: G:\APOLLO\DATA\210802\802147.D
Sample : 210727A LCS-1 5/1000





802147.D DOC0702.M Mon Nov 01 09:47:52 2021 Page 2

Quantitation Report (Not Reviewed)

Data File : G:\APOLLO\DATA\210802\802148.D Vial: 48
Acq On : 8-5-21 19:32:57 Operator: KA
Sample : 210727A LCSD-1 5/1000 Inst : Apollo
Misc : water Multiplr: 5.00
IntFile : events.e
Quant Time: Aug 7 9:49 2021 Quant Results File: DOC0702.RES

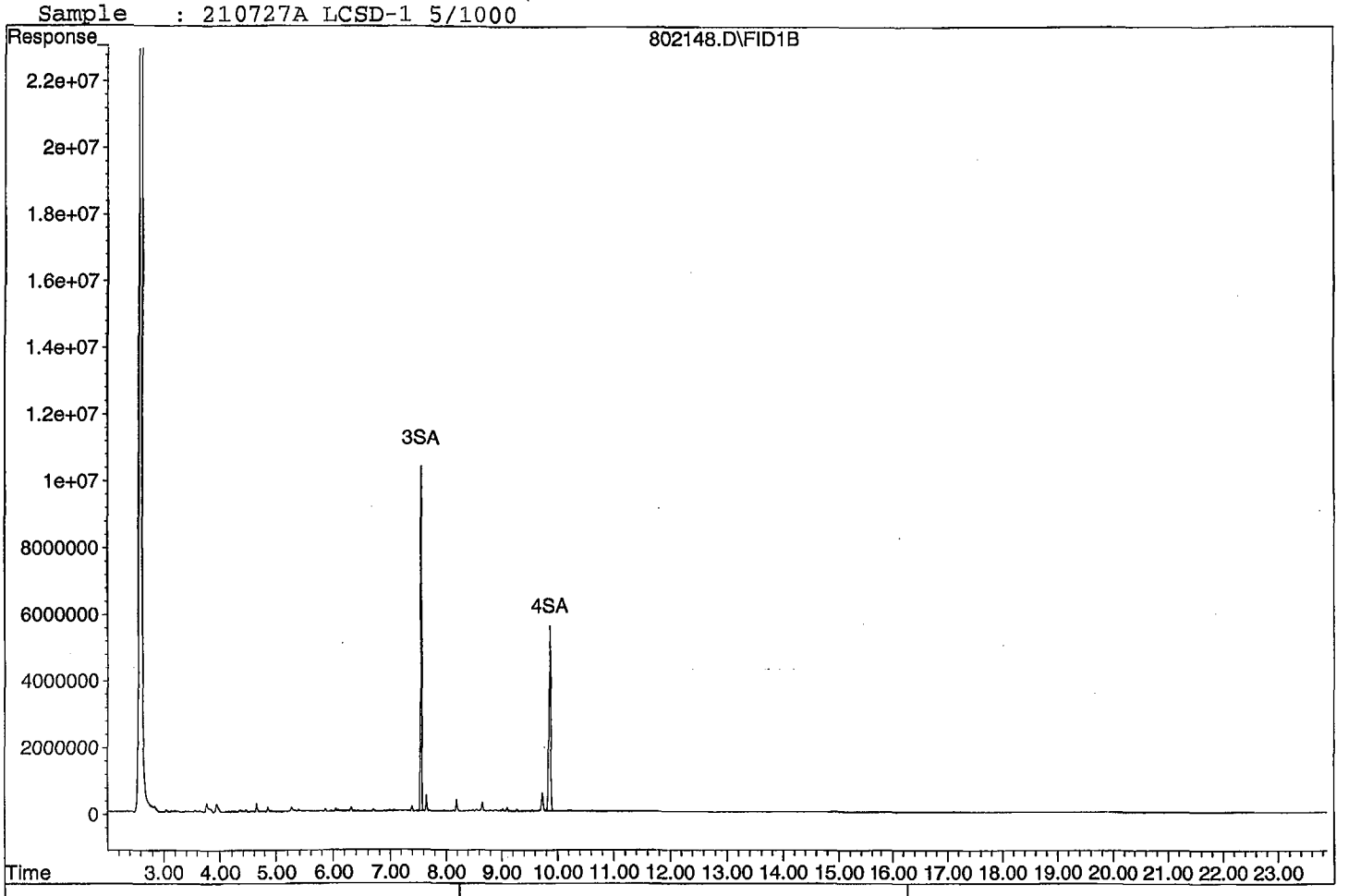
Method : G:\APOLLO\DATA\210727\DOC0702.M (Chemstation Integrator)
Title : 8015 B&C
Last Update : Sat Oct 02 09:37:18 2021
Response via : Multiple Level Calibration

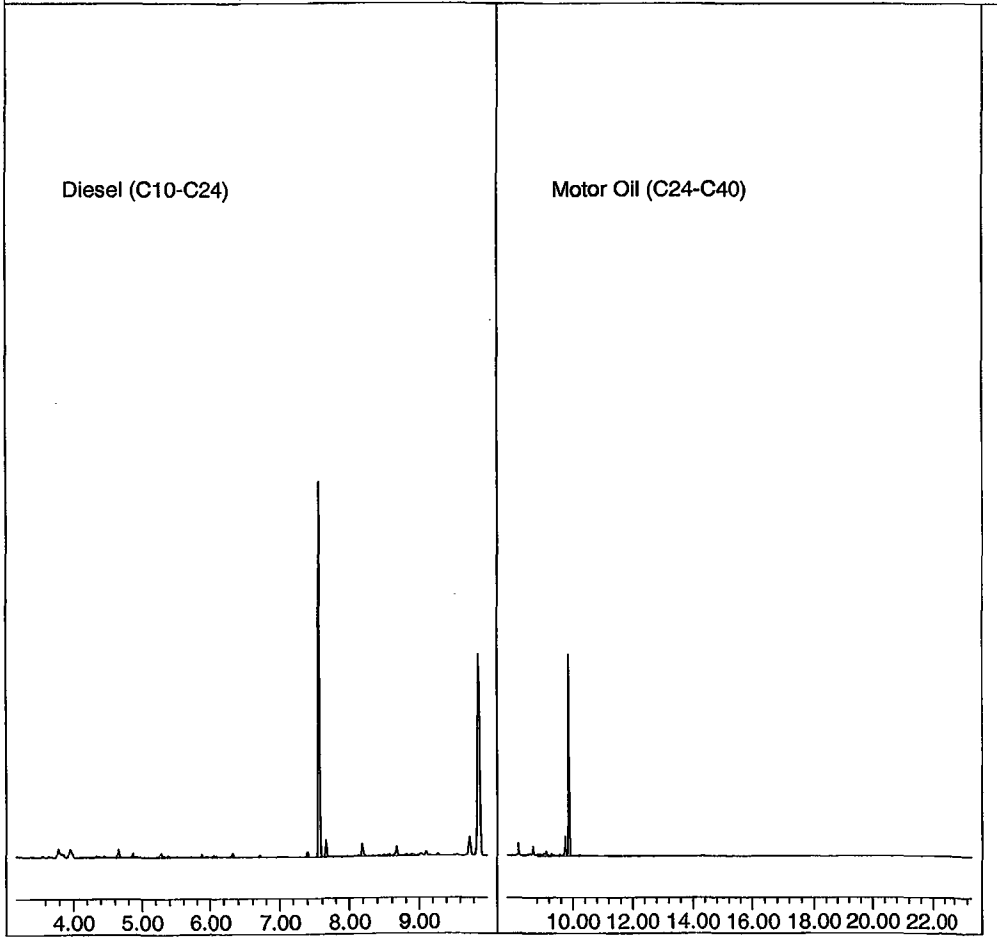
Volume Inj. : 2UL
Signal Phase : DB-5
Signal Info : FID02A

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
3) SA Ortho-Terphenyl(S)	7.55	130016550	130.047 ppb
Surrogate Spike 150.000		Recovery =	86.70%
4) SA Octacosane(S)	9.86	120698001	180.347 ppb
Surrogate Spike 150.000		Recovery =	120.23%
Target Compounds			
1) HATM Diesel (C10-C24)	6.59	70095063	79.910 ppb
2) HBTM Motor Oil (C24-C40)	15.58	82626662	133.500 ppb
Target Compounds			

(f)=RT Delta > 1/2 Window (m)=manual int.
802148.D DOC0702.M Mon Nov 01 09:47:53 2021 Page 1

Data File: G:\APOLLO\DATA\210802\802148.D
Sample : 210727A LCSD-1 5/1000





Diesel Motor Oil Calibration Curve

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

Prep Date **7/2/2021**

Exp Date **7/2/2022**

						Final Standard Information			
Name of Initial Standard (from contianer Label)	Supplier	Supplier P/N# (or APPL Mix Name)	Conc. (ug/mL)	Lot # with QA # (or reference to APPL prep date)	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel Motor Oil Calibration STD -2	AAPL	Diesel /Motor Oil 1	10	**4/21/2021**	**5/6/2022**	100 uL	200 uL	**MC**	5
Diesel Motor Oil Calibration STD-3	AAPL	Diesel /Motor Oil 2	50	**4/21/2021**	**5/6/2022**	200 uL	1 mL	**MC**	10
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 3	2000	**4/21/2021**	**5/6/2022**	25 uL	1mL	**MC**	50
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 4	2000	**4/21/2021**	**5/6/2022**	125 uL	1mL	**MC**	250
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 5	2000	**4/21/2021**	**5/6/2022**	500 uL	1 mL	**MC**	1000
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 6	2000	**4/21/2021**	**5/6/2022**	750 uL	1 mL	**MC**	1500
Diesel Motor Oil Calibration STD	Restek	Diesel /Motor Oil 7	2000	**4/21/2021**	**5/6/2022**	100uL	100 uL	**MC**	2000

Diesel / Motor Oil Second Source

Prepared: 7/21/2020
Expires: 7/21/2021

Prepared By (Initials): SS

Methylene Chloride Lot No. 58059

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr.)	Exp. Date (Manufacturer)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Diesel Fuel #2 Second Source	Phenova	AL0-101287	50,000	**CL13327-40550**	7/21/2021	**2/28/2022**	50uL	10mL	MC	250
Motor Oil Second Source	Absolute	51094	50,000	**010918-39581**	7/21/2021	**1/9/2023**	50uL			

Diesel Motor Oil CCV

Prepared By (Initials): **KA**

Prep Date	**8/5/2021**
Exp Date	**8/5/2022**
Methylene Chloride Lot No.	59353

Initial Standard Information						Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix name	Conc.(ug/mL)	Reference to APPL Prep Date and Lot #'s	Exp Date	Aliquot from Stock	Final Volume	Solvent	Final Standard Conc (ug/mL)
Diesel-Motor Oil Standard	Restek	Diesel Motor Oil CCV	2000	**Perp'd: 09/05/20 A0156490-156569-51860, A0155668-160024-51534, CL15440-500953**	**8/5/2022**	1250 uL	10mL	**MC**	250

Name of Final Standard	**THC Surrogate**	**Prep'd By (Initials)**	**MA**
Prep Date	**7/16/2021**		
Exp Date	**7/16/2022**		

Initial Standard Information						Final Standard Information				
Name of Initial Standard (QAU Label)	Supplier	Supplier Part No.	Conc.(mg/L))	Lot # with QA # (or reference to APPL prep date)	EXP DATE (1Yr)	Exp Date (Manufacturer)	Aliquot from Stock	Final Volume	Final Solvent + Lot# (or APPL Prep Date)	Final Standard Conc (range)
O-terphenyl/ Octacosane Mix	Phhenova	ALO-130161	600 mg/L	**CL15902-50968**	**7/1/2022**	**10/31/2025**	NA	NA	**NA**	600 mg/L

Organic Extraction Worksheet

Method	Continuous Liq/Liq TPH-Diesel/MO 3520C	Extraction Set	210727A	Extraction Method	LIQ005	Units	mL

Spiked ID 1		Surrogate ID 1	THC Surrogate 7/16/21-7/16/22		
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:	07/20/21 16:45		
Spiked ID 8		Ext. End Time:	07/29/21 8:50		
		GC Requires Extract By:			
		pH1		Water Bath Temp 1 °C	46/45.1 °C
		pH2		Water Bath Temp 2 °C	38/39.1
		pH3		Water Bath Temp 3 °C	35/35.5 °C

Spiked By: YL **Date** 7/28/2021 **Witnessed By:** RP **Date** 7/28/2021

	Sample	Sample Container	Spike Amount	Spike ID	Surrogate Amount	Surrogate ID	Extract Amount	Final Volume	pH	Extract Date/Time	Comments
1	210727A Blk				0.250	1 equip	1000 E-HP3 E-WB1	5	2	07/28/21 13:25	
2	210727A LCS-1				0.250	1 equip	1000 E-HP4 E-WB2	5	2	07/28/21 13:25	
3	210727A LCSD-1				0.250	1 equip	1000 E-HP6 E-WB3	5	2	07/28/21 13:25	
4	BA36548	BA36548W01			0.250	1 equip	1000 E-HP7 E-WB1	5	2	07/28/21 13:25	96919
5	BA36551	BA36551W01			0.250	1 equip	1000 E-HP8 E-WB2	5	2	07/28/21 13:25	96919
6	BA36554	BA36554W01			0.250	1 equip	1000 E-HP9 E-WB3	5	2	07/28/21 13:25	96919
7	BA36557	BA36557W01			0.250	1 equip	1000 E-HP10 E-WB1	5	2	07/28/21 13:25	96919
8	BA36560	BA36560W01			0.250	1 equip	1000 E-HP11 E-WB2	5	2	07/28/21 13:25	96918
9	BA36563	BA36563W01			0.250	1 equip	1000 E-HP12 E-WB3	5	2	07/28/21 13:25	96918
10	BA36566	BA36566W01			0.250	1 equip	1000 E-HP13 E-WB1	5	2	07/28/21 13:25	96918
11	BA36568	BA36568W01			0.250	1 equip	1000 E-HP14 E-WB2	5	2	07/28/21 13:25	96918
12	BA36571	BA36571W01			0.250	1 equip	1000 E-HP15 E-WB3	5	2	07/28/21 13:25	96918
13	BA36574	BA36574W01			0.250	1 equip	1000 E-HP16 E-WB1	5	2	07/28/21 13:25	96918
14	BA36576	BA36576W01			0.250	1 equip	1000 E-HP17 E-WB2	5	2	07/28/21 13:25	96918

Solvent and Lot#	
1+1 HCL (5mLs)	60282
PH Strips	HC155968
Dicholormethane	60338
Filter Paper	400181
Sodium Sulfate	2020120870

Extraction COC Transfer	
Extraction lab employee Initials	KY
GC analyst's initials	CW
Date	
Time	
Refrigerator	Hobart

	Technician's Initials
Scanned By	YL
Sample Preparation	YL
Extraction	YL
Concentration	SR

Modified	10/13/2021 8:29:20 AM

Reviewed By: KY **Date** 10/13/2021

Injection Log

Directory: G:\APOLLO\DATA\210702\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	5	702005.D	1	DMO STD-1 07/02/21	water	7-2-21 14:35:23
2	6	702006.D	1	DMO STD-2 07/02/21	water	7-2-21 15:03:41
3	7	702007.D	1	DMO STD-3 07/02/21	water	7-2-21 15:32:00
4	8	702008.D	1	DMO STD-4 07/02/21	water	7-2-21 16:01:03
5	9	702009.D	1	DMO STD-5 07/02/21	water	7-2-21 16:29:22
6	10	702010.D	1	DMO STD-6 07/02/21	water	7-2-21 16:57:44
7	11	702011.D	1	DMO STD-7 07/02/21	water	7-2-21 17:26:03
8	12	702012.D	1	DMO STD-SS 07/02/21	water	7-2-21 17:54:24
9	44	802144.D	1	Diesel Motor Oil CCV-8/5/21	water	8-5-21 17:39:42
10	46	802146.D	5	210727A BLK 5/1000	water	8-5-21 18:36:21
11	47	802147.D	5	210727A LCS-1 5/1000	water	8-5-21 19:04:38
12	48	802148.D	5	210727A LCSD-1 5/1000	water	8-5-21 19:32:57
13	49	802149.D	5	BA36548W01 5/1000	water	8-5-21 20:01:19
14	50	802150.D	5	BA36551W01 5/1000	water	8-5-21 20:29:44
15	51	802151.D	5	BA36554W01 5/1000	water	8-5-21 20:58:09
16	52	802152.D	5	BA36557W01 5/1000	water	8-5-21 21:26:36
17	59	802159.D	1	Diesel Motor Oil CCV-8/5/21	water	8-6-21 0:45:15

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: 07/15/21
Matrix: Instrument: Linus Initials: MA

		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	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18144	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29646	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	41394	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	37425	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	931	0.05241	ppb		0.01
Spiked Amount 5.000			Recovery =	1.040%			
13) Fluoranthene-D10 (FRT)	9.16	212	1159	0.05082	ppb		0.01
Spiked Amount 5.000			Recovery =	1.020%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	1889	0.10687	ppb		99
4) 2-Methylnaphthalene	4.87	142	1098	0.10566	ppb		97
5) 1-Methylnaphthalene	4.97	142	1158	0.10944	ppb		97
7) Acenaphthylene	5.89	152	3621	0.10473	ppb		99
8) Acenaphthene	6.08	154	1068	0.11517	ppb		98
9) Fluorene	6.69	166	1225	0.10736	ppb		99
11) Phenanthrene	7.80	178	1788	0.11158	ppb		99
12) Anthracene	7.86	178	1575	0.10793	ppb		96
14) Fluoranthene	9.18	202	2503	0.10361	ppb		96
16) Pyrene	9.43	202	2535	0.10389	ppb	#	89
17) Benz (a) anthracene	10.86	228	2263	0.10450	ppb		98
18) Chrysene	10.90	228	2570	0.11381	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.76	276	2095	0.09907	ppb	#	87
21) Benzo (b) fluoranthene	12.58	252	1809	0.09444	ppb		98
22) Benzo (k) fluoranthene	12.64	252	2243	0.10655	ppb		97
23) Benzo (a) pyrene	13.16	252	1739	0.09553	ppb		97
24) Dibenz (a,h) anthracene	14.79	278	1576	0.09322	ppb		96
25) Benzo (g,h,i) perylene	15.11	276	1845	0.10102	ppb		96

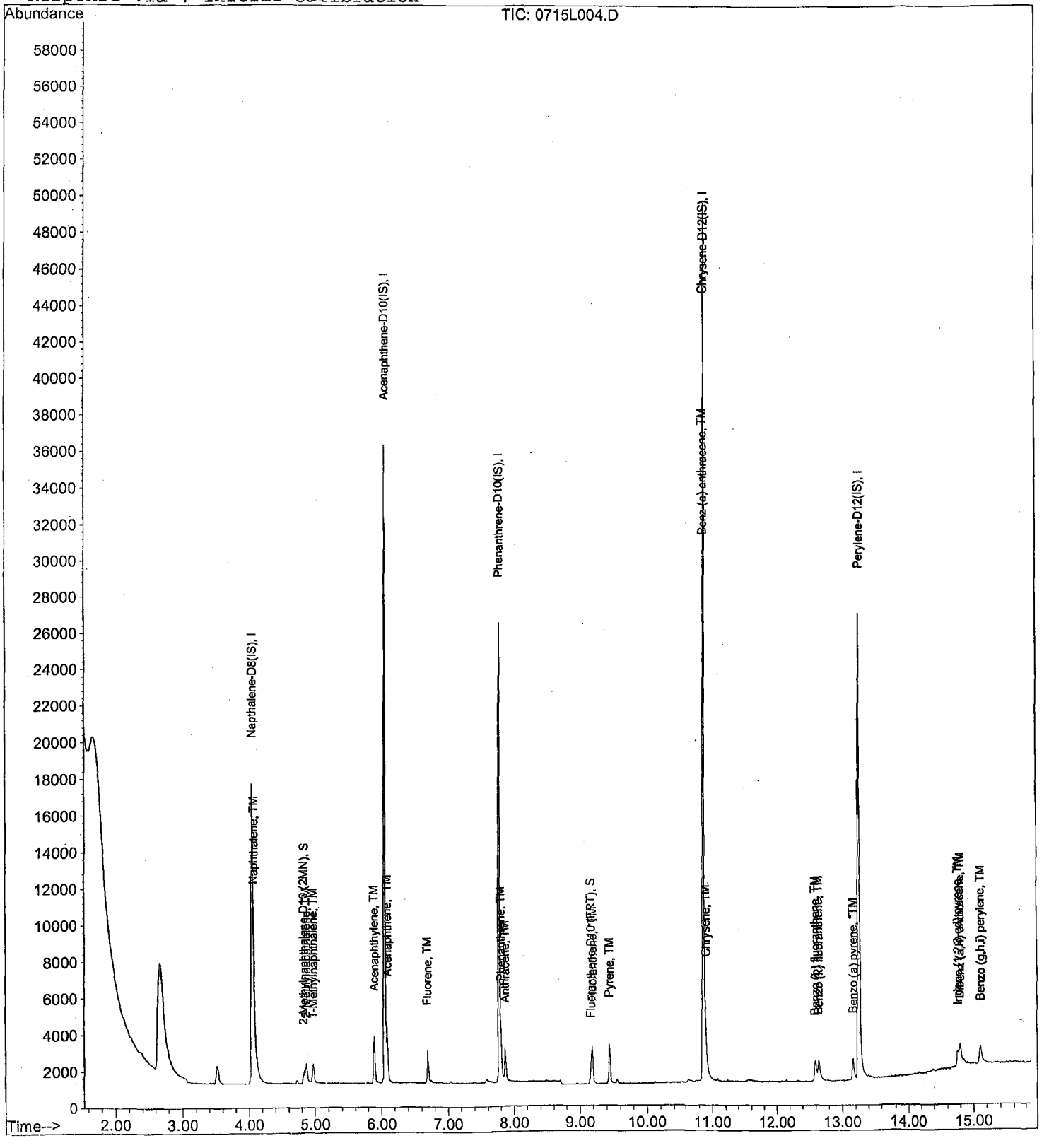
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17068	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	28139	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	39487	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	35556	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	1792	0.10639	ppb		0.01
Spiked Amount 5.000			Recovery =	2.120%			
13) Fluoranthene-D10 (FRT)	9.16	212	2232	0.10312	ppb		0.01
Spiked Amount 5.000			Recovery =	2.060%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	3591	0.21425	ppb		98
4) 2-Methylnaphthalene	4.87	142	2063	0.20937	ppb		99
5) 1-Methylnaphthalene	4.96	142	2131	0.21239	ppb		98
7) Acenaphthylene	5.88	152	7024	0.21596	ppb		98
8) Acenaphthene	6.08	154	2000	0.22927	ppb		97
9) Fluorene	6.69	166	2311	0.21530	ppb		97
11) Phenanthrene	7.80	178	3355	0.22058	ppb		99
12) Anthracene	7.86	178	2955	0.21334	ppb		99
14) Fluoranthene	9.17	202	4886	0.21307	ppb	#	93
16) Pyrene	9.43	202	4900	0.21052	ppb	#	90
17) Benz (a) anthracene	10.86	228	4165	0.20162	ppb		99
18) Chrysene	10.90	228	4777	0.22175	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.75	276	3940	0.19531	ppb	#	97
21) Benzo (b) fluoranthene	12.58	252	3130	0.17199	ppb		97
22) Benzo (k) fluoranthene	12.64	252	4487	0.22436	ppb		96
23) Benzo (a) pyrene	13.16	252	3087	0.17849	ppb		100
24) Dibenz (a,h) anthracene	14.79	278	3166	0.19712	ppb		96
25) Benzo (g,h,i) perylene	15.10	276	3507	0.20212	ppb		98

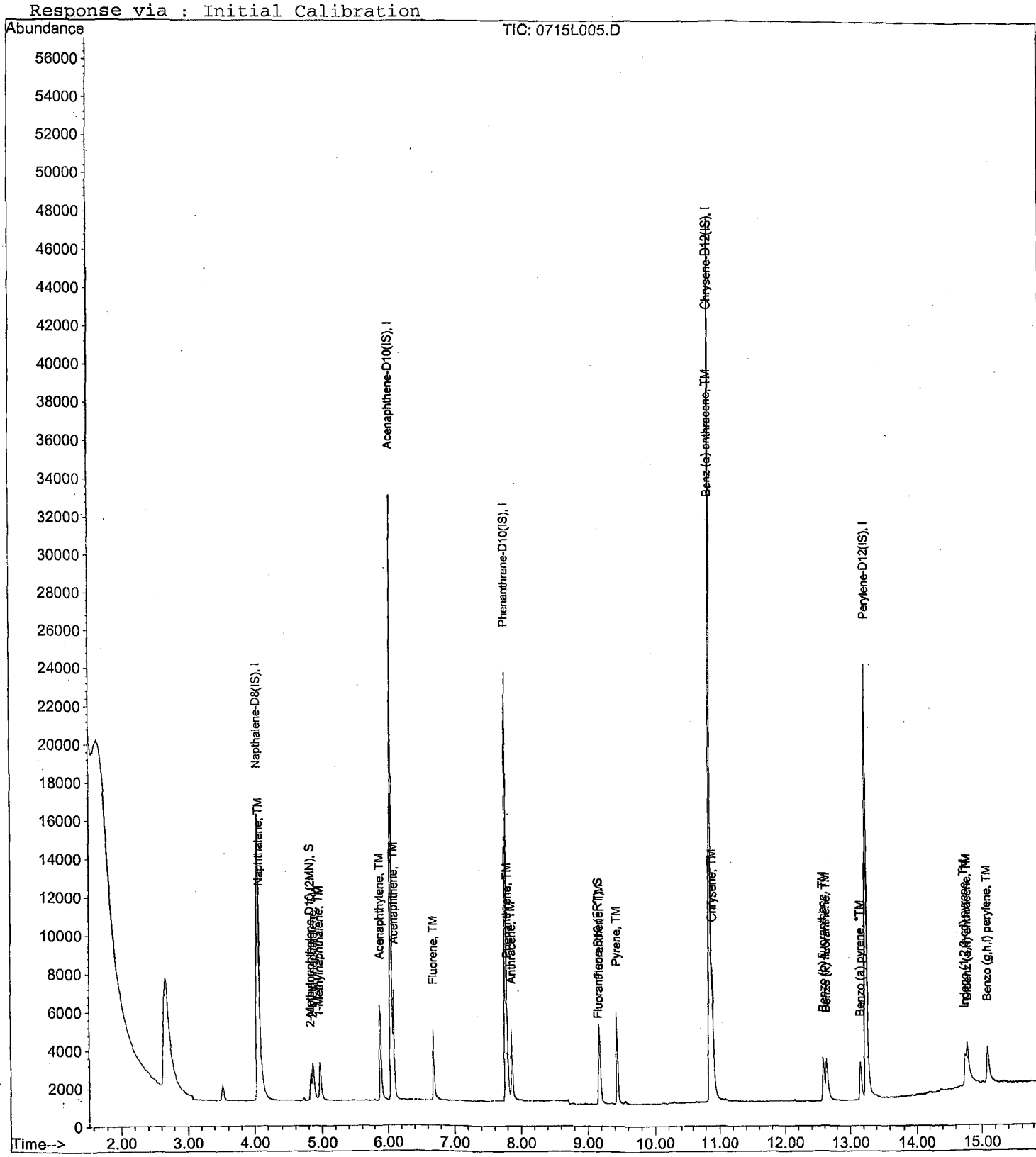
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17128	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	27537	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	39592	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	35596	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.83	152	4340	0.26053	ppb		0.01
Spiked Amount 5.000			Recovery = 5.220%				
13) Fluoranthene-D10 (FRT)	9.15	212	5435	0.25658	ppb		0.00
Spiked Amount 5.000			Recovery = 5.140%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	8783	0.52985	ppb		99
4) 2-Methylnaphthalene	4.85	142	5283	0.54212	ppb		100
5) 1-Methylnaphthalene	4.96	142	5426	0.54682	ppb		98
7) Acenaphthylene	5.88	152	17418	0.53366	ppb		99
8) Acenaphthene	6.08	154	4703	0.53724	ppb		96
9) Fluorene	6.69	166	5834	0.54161	ppb		98
11) Phenanthrene	7.80	178	8242	0.55372	ppb		99
12) Anthracene	7.86	178	7355	0.54262	ppb		99
14) Fluoranthene	9.17	202	12453	0.55494	ppb		96
16) Pyrene	9.43	202	12589	0.53943	ppb		96
17) Benz (a) anthracene	10.86	228	10607	0.51211	ppb		99
18) Chrysene	10.90	228	11846	0.54845	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	9946	0.49172	ppb	#	92
21) Benzo (b) fluoranthene	12.58	252	8693	0.47712	ppb		97
22) Benzo (k) fluoranthene	12.63	252	11018	0.55031	ppb		98
23) Benzo (a) pyrene	13.15	252	8748	0.50524	ppb		96
24) Dibenz (a,h) anthracene	14.78	278	8092	0.50325	ppb		97
25) Benzo (g,h,i) perylene	15.10	276	8749	0.50366	ppb		93

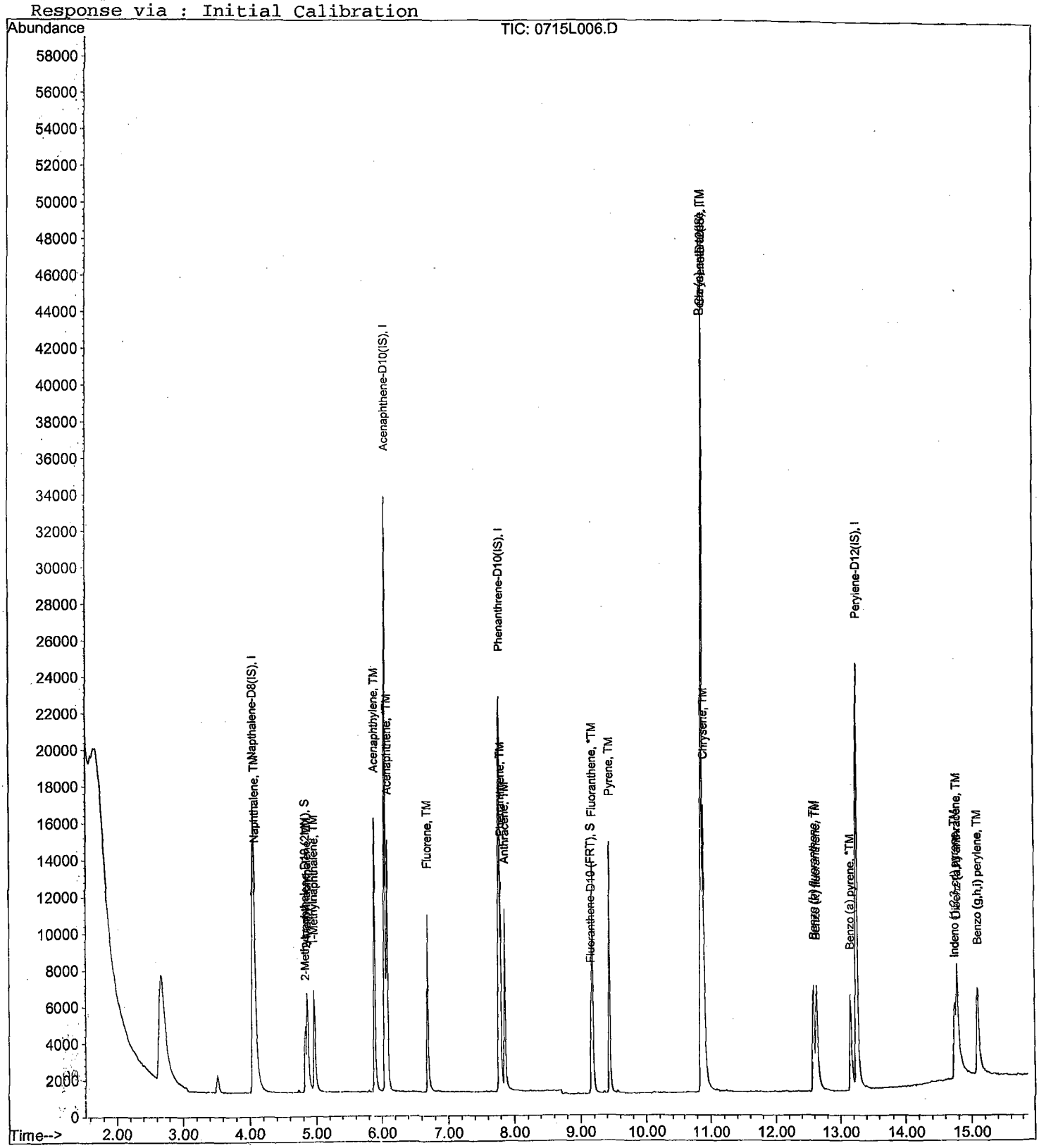
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18623	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29963	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	43524	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	38871	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	9356	0.51684	ppb		0.00
Spiked Amount 5.000			Recovery = 10.340%				
13) Fluoranthene-D10 (FRT)	9.15	212	12003	0.52077	ppb		0.00
Spiked Amount 5.000			Recovery = 10.420%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	18630	1.03422	ppb		98
4) 2-Methylnaphthalene	4.85	142	11058	1.04419	ppb		97
5) 1-Methylnaphthalene	4.96	142	11413	1.05841	ppb		99
7) Acenaphthylene	5.88	152	37240	1.04938	ppb		99
8) Acenaphthene	6.08	154	9909	1.04107	ppb		97
9) Fluorene	6.69	166	12181	1.04006	ppb		96
11) Phenanthrene	7.80	178	17262	1.06581	ppb		99
12) Anthracene	7.86	178	15687	1.06361	ppb		98
14) Fluoranthene	9.17	202	26927	1.10278	ppb		99
16) Pyrene	9.43	202	26820	1.04539	ppb		98
17) Benz (a) anthracene	10.86	228	22324	0.98044	ppb		99
18) Chrysene	10.90	228	24706	1.04050	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	21431	0.96381	ppb	#	87
21) Benzo (b) fluoranthene	12.57	252	20143	1.01241	ppb		99
22) Benzo (k) fluoranthene	12.63	252	22266	1.01841	ppb		99
23) Benzo (a) pyrene	13.15	252	19153	1.01299	ppb		100
24) Dibenz (a,h) anthracene	14.78	278	17922	1.02067	ppb		98
25) Benzo (g,h,i) perylene	15.08	276	19030	1.00321	ppb		100

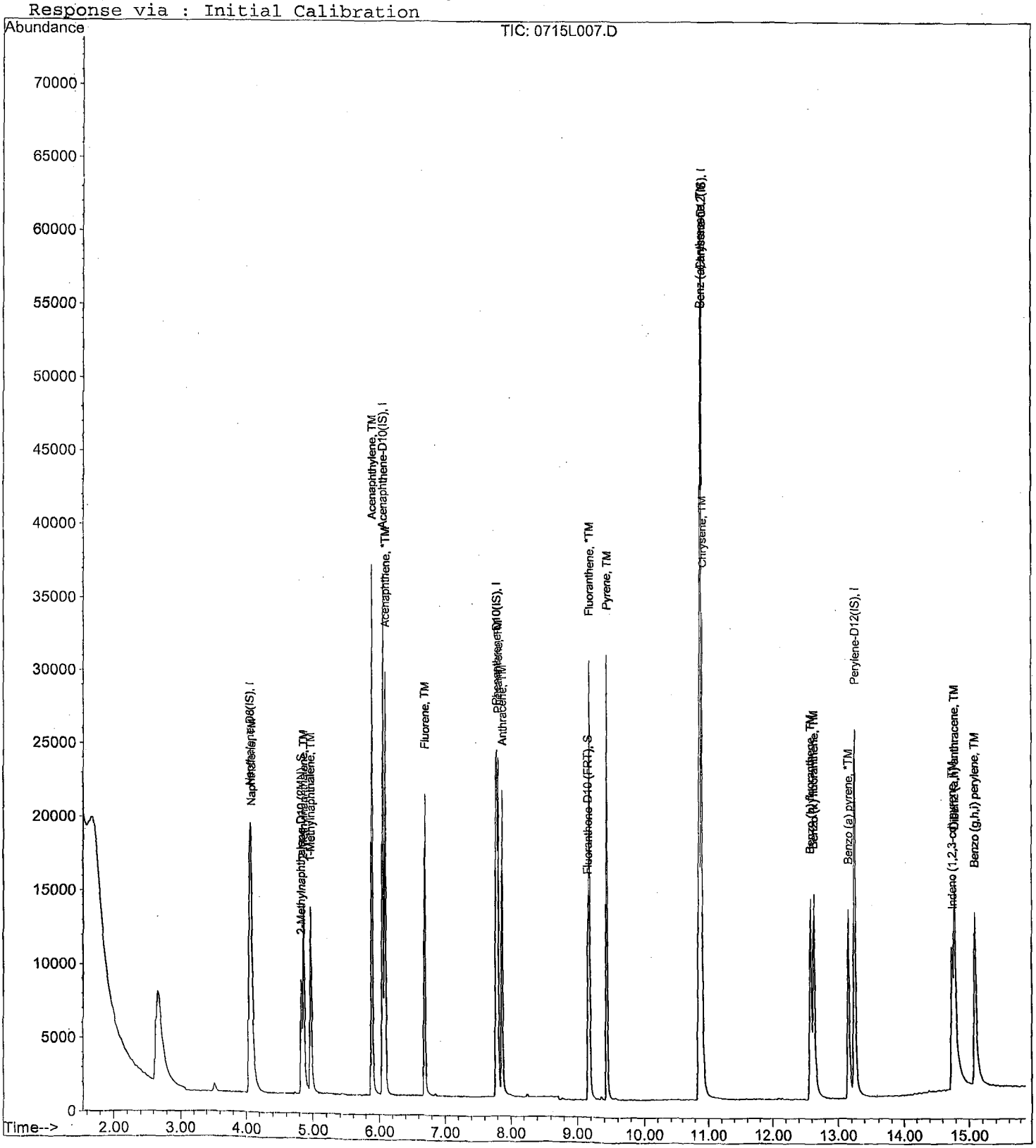
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	16606	2.50000 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	27860	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	41147	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	36706	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	39468	2.39217 ppb	0.00
Spiked Amount 5.000			Recovery =	47.840%	
13) Fluoranthene-D10 (FRT)	9.15	212	52239	2.43756 ppb	0.00
Spiked Amount 5.000			Recovery =	48.760%	
Target Compounds					Qvalue
2) Naphthalene	4.07	128	81609	4.97072 ppb	100
4) 2-Methylnaphthalene	4.85	142	49805	5.16010 ppb	100
5) 1-Methylnaphthalene	4.96	142	50499	5.13829 ppb	100
7) Acenaphthylene	5.88	152	170062	5.37421 ppb	100
8) Acenaphthene	6.08	154	44879	5.28784 ppb	100
9) Fluorene	6.69	166	55904	5.35305 ppb	100
11) Phenanthrene	7.80	178	78705	5.22631 ppb	100
12) Anthracene	7.86	178	74665	5.44458 ppb	100
14) Fluoranthene	9.17	202	124013	5.46226 ppb	100
16) Pyrene	9.43	202	126257	5.20554 ppb	100
17) Benz (a) anthracene	10.86	228	109532	5.08837 ppb	100
18) Chrysene	10.90	228	114640	5.10702 ppb	100
19) Indeno (1,2,3-cd) pyrene	14.74	276	108069	5.14090 ppb	100
21) Benzo (b) fluoranthene	12.57	252	102359	5.44815 ppb	100
22) Benzo (k) fluoranthene	12.63	252	109857	5.32104 ppb	100
23) Benzo (a) pyrene	13.15	252	96348	5.39634 ppb	100
24) Dibenz (a,h) anthracene	14.78	278	90207	5.44038 ppb	100
25) Benzo (g,h,i) perylene	15.08	276	94778	5.29114 ppb	100

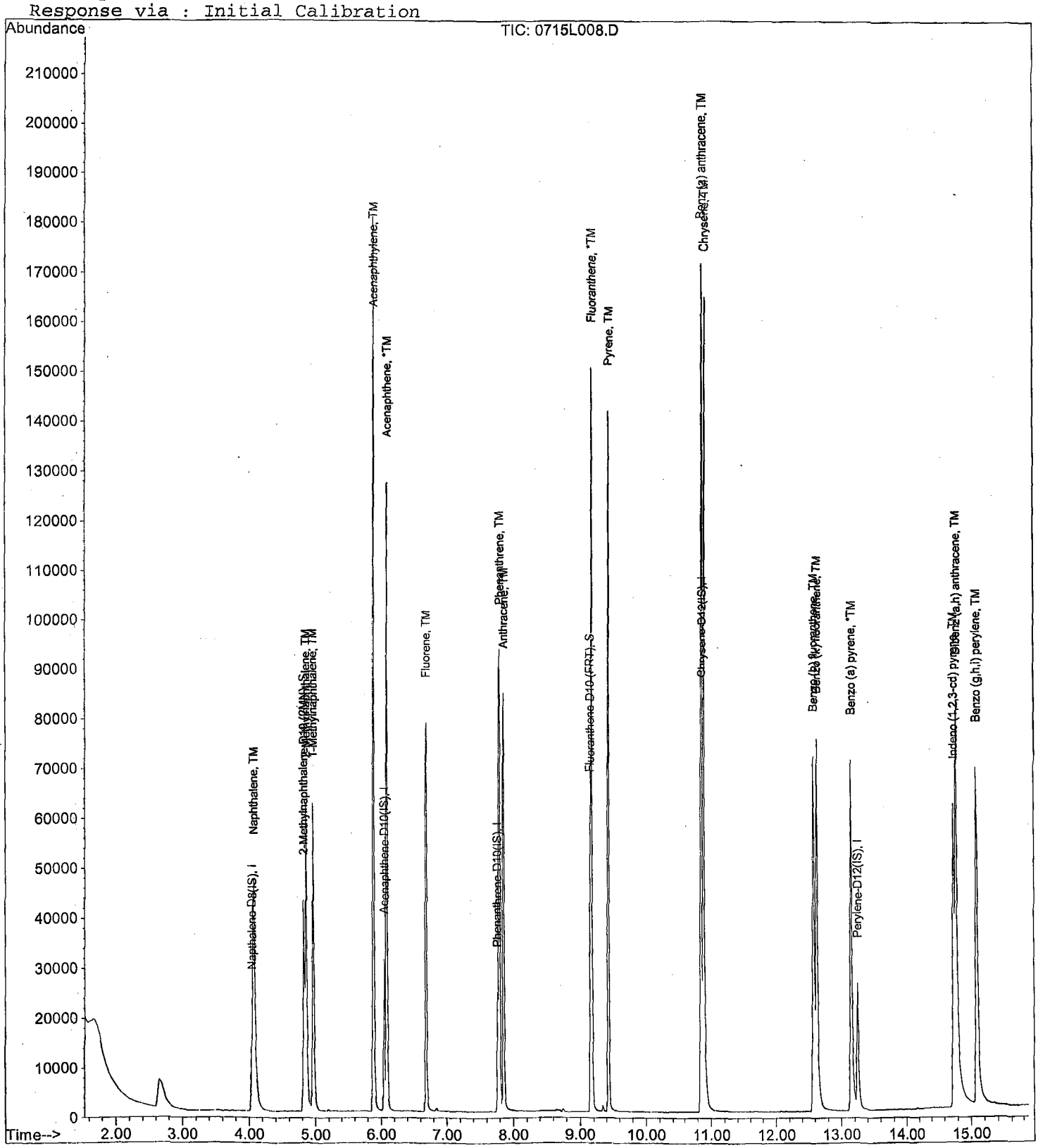
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17432	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	28073	2.50000	ppb		0.01
15) Chrysene-D12(IS)	10.87	240	41890	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	38066	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	86019	5.07295	ppb		0.00
Spiked Amount 5.000			Recovery	= 101.460%			
13) Fluoranthene-D10 (FRT)	9.15	212	114053	5.28152	ppb		0.00
Spiked Amount 5.000			Recovery	= 105.640%			
Target Compounds							Qvalue
2) Naphthalene	4.07	128	157861	9.35565	ppb		100
4) 2-Methylnaphthalene	4.85	142	98389	9.91860	ppb		99
5) 1-Methylnaphthalene	4.96	142	98317	9.73381	ppb		99
7) Acenaphthylene	5.88	152	335060	10.08667	ppb		100
8) Acenaphthene	6.08	154	85339	9.57857	ppb		98
9) Fluorene	6.69	166	110925	10.11826	ppb		99
11) Phenanthrene	7.80	178	154599	10.18808	ppb		99
12) Anthracene	7.86	178	144986	10.49218	ppb		99
14) Fluoranthene	9.17	202	242662	10.60717	ppb		98
16) Pyrene	9.43	202	244903	9.91819	ppb		99
17) Benz (a) anthracene	10.86	228	218547	9.97265	ppb		99
18) Chrysene	10.90	228	220049	9.62894	ppb		99
19) Indeno (1,2,3-cd) pyrene	14.75	276	217707	10.17274	ppb	#	82
21) Benzo (b) fluoranthene	12.58	252	204889	10.51578	ppb		96
22) Benzo (k) fluoranthene	12.63	252	221936	10.36564	ppb		99
23) Benzo (a) pyrene	13.15	252	195436	10.55507	ppb		99
24) Dibenz (a,h) anthracene	14.78	278	181638	10.56321	ppb		98
25) Benzo (g,h,i) perylene	15.10	276	190634	10.26223	ppb	#	90

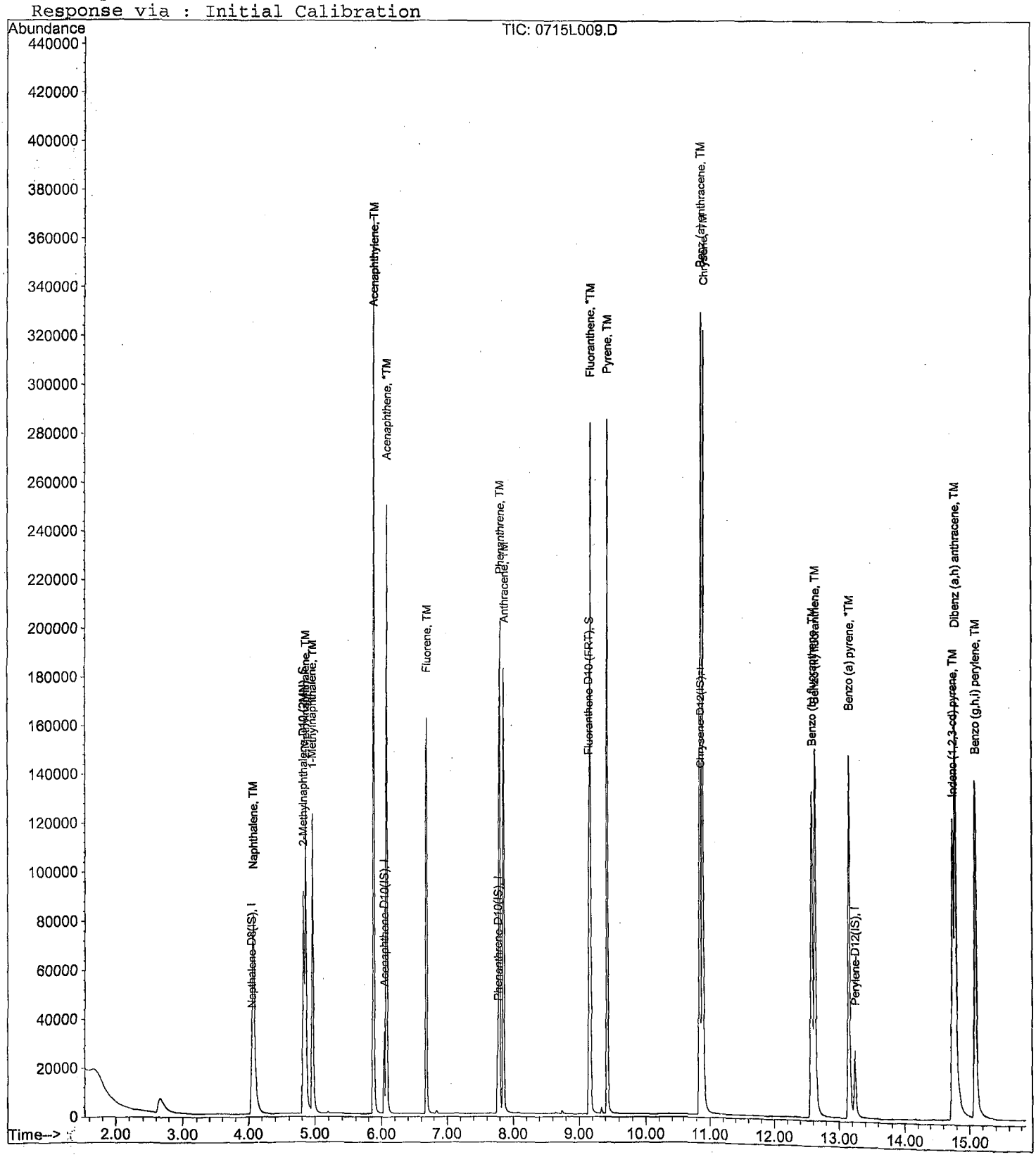
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	17383	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29211	2.50000 ppb		0.01
15) Chrysene-D12(IS)	10.88	240	39425	2.50000 ppb		0.01
20) Perylene-D12(IS)	13.26	264	37524	2.50000 ppb		0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	401356	23.23009 ppb		0.00
Spiked Amount 5.000			Recovery = 464.600%			
13) Fluoranthene-D10 (FRT)	9.16	212	550772	24.51130 ppb		0.01
Spiked Amount 5.000			Recovery = 490.220%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	813650	47.32519 ppb		99
4) 2-Methylnaphthalene	4.85	142	471771	46.67566 ppb		100
5) 1-Methylnaphthalene	4.96	142	467996	45.47282 ppb		99
7) Acenaphthylene	5.88	152	1524552	46.02460 ppb		100
8) Acenaphthene	6.08	154	373563	42.04744 ppb		95
9) Fluorene	6.69	166	476607	43.59728 ppb		97
11) Phenanthrene	7.80	178	668058	42.30991 ppb		97
12) Anthracene	7.86	178	626693	43.58499 ppb		98
14) Fluoranthene	9.18	202	1002621	42.11889 ppb		96
16) Pyrene	9.44	202	1057437	45.50211 ppb		97
17) Benz (a) anthracene	10.87	228	1026510	49.76999 ppb		98
18) Chrysene	10.92	228	940494	43.72743 ppb		98
19) Indeno (1,2,3-cd) pyrene	14.77	276	1057002	52.47832 ppb	#	97
21) Benzo (b) fluoranthene	12.61	252	1023928	53.31142 ppb		98
22) Benzo (k) fluoranthene	12.61	252	794214	37.63000 ppb		97
23) Benzo (a) pyrene	13.18	252	953842	52.25902 ppb		95
24) Dibenz (a,h) anthracene	14.81	278	837991	49.43750 ppb		97
25) Benzo (g,h,i) perylene	15.14	276	890985	48.65641 ppb	#	91

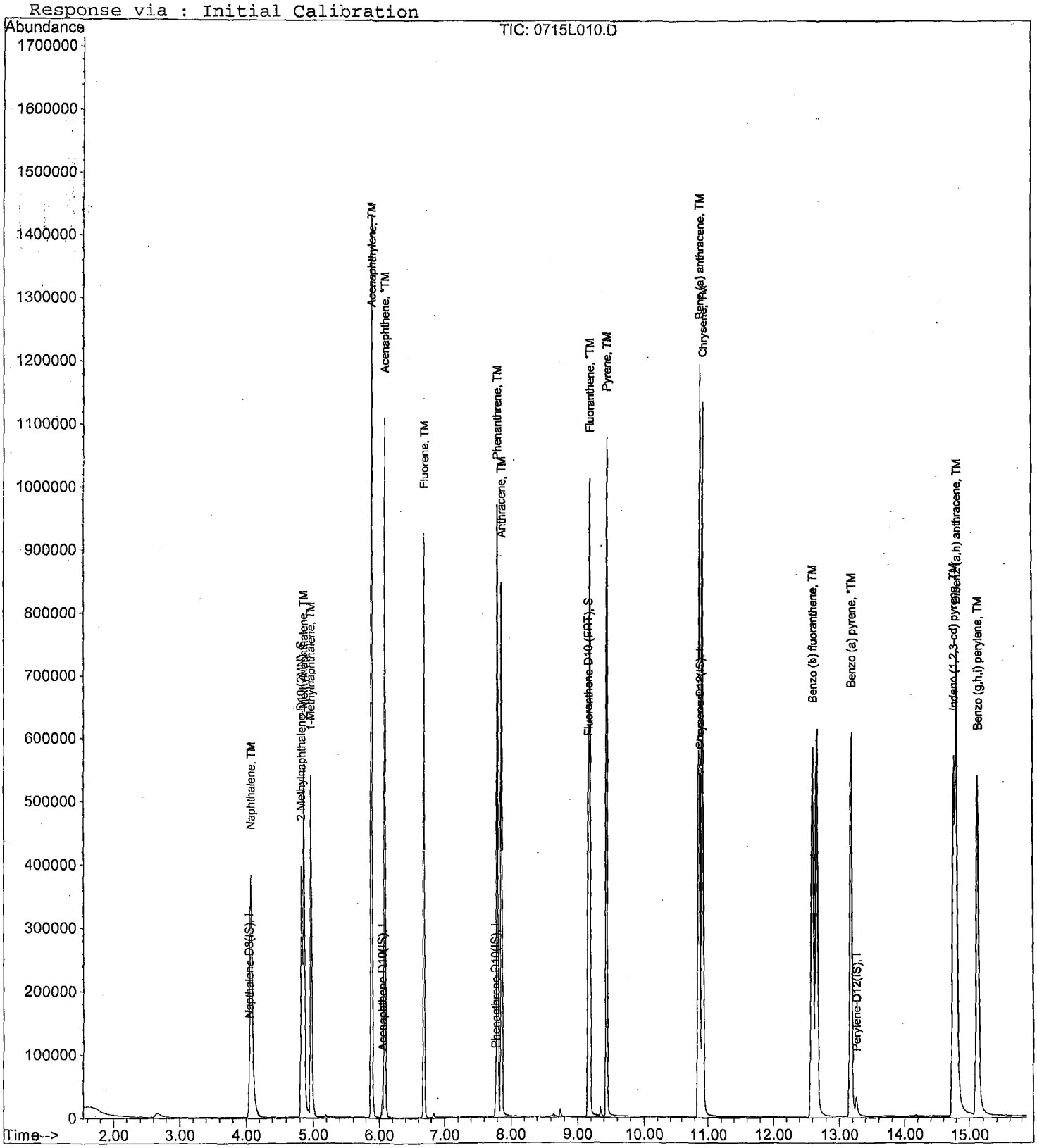
(#) = qualifier out of range (m) = manual integration

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\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\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	2.50000 ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	18122	2.50000 ppb		0.00
10) Phenanthrene-D10(IS)	7.77	188	29730	2.50000 ppb		0.01
15) Chrysene-D12(IS)	10.89	240	37481	2.50000 ppb		0.02
20) Perylene-D12(IS)	13.27	264	36407	2.50000 ppb		0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	794559	45.52658 ppb		0.00
Spiked Amount 5.000			Recovery = 910.540%			
13) Fluoranthene-D10 (FRT)	9.16	212	997955	44.13325 ppb		0.01
Spiked Amount 5.000			Recovery = 882.660%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	1544178	89.58960 ppb		99
4) 2-Methylnaphthalene	4.85	142	826986	80.69037 ppb		99
5) 1-Methylnaphthalene	4.97	142	811288	77.77037 ppb		96
7) Acenaphthylene	5.89	152	2597584	75.02671 ppb		99
8) Acenaphthene	6.10	154	676149	72.52712 ppb		96
9) Fluorene	6.69	166	880169	76.71349 ppb		97
11) Phenanthrene	7.81	178	1121420	69.30355 ppb		97
12) Anthracene	7.87	178	1017515	68.86605 ppb		97
14) Fluoranthene	9.19	202	1672602	69.01829 ppb		99
16) Pyrene	9.45	202	1858619	84.00631 ppb		100
17) Benz (a) anthracene	10.88	228	1827248	93.64884 ppb		97
18) Chrysene	10.93	228	1547735	75.43253 ppb		97
19) Indeno (1,2,3-cd) pyrene	14.81	276	1896751	97.96829 ppb	#	90
21) Benzo (b) fluoranthene	12.63	252	1903776	101.37883 ppb		97
22) Benzo (k) fluoranthene	12.69	252	1720612m	83.19054 ppb		96
23) Benzo (a) pyrene	13.20	252	1680263	93.93694 ppb		98
24) Dibenz (a,h) anthracene	14.85	278	1516110	90.39323 ppb	#	91
25) Benzo (g,h,i) perylene	15.17	276	1618716	89.57454 ppb		98

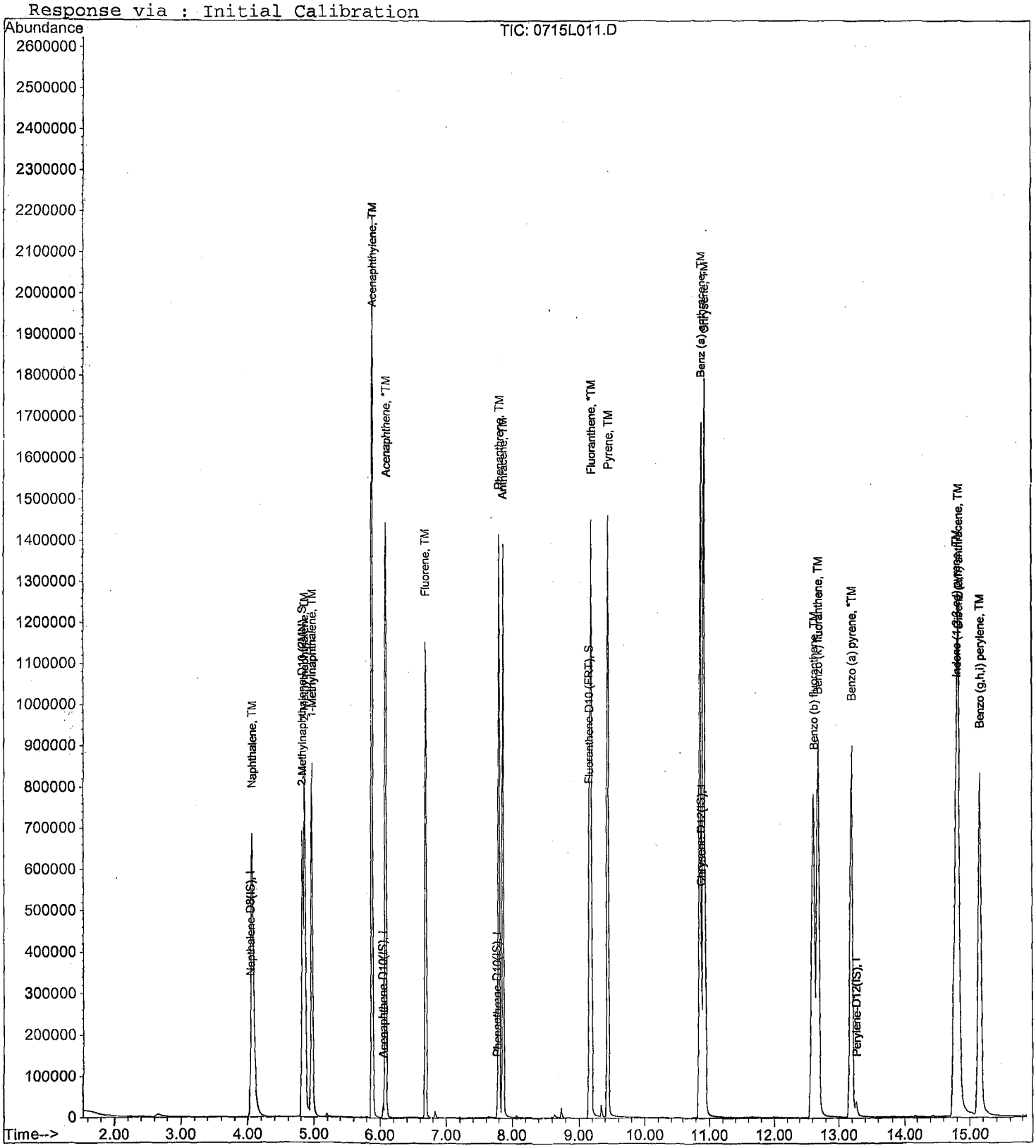
(#) = qualifier out of range (m) = manual integration

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

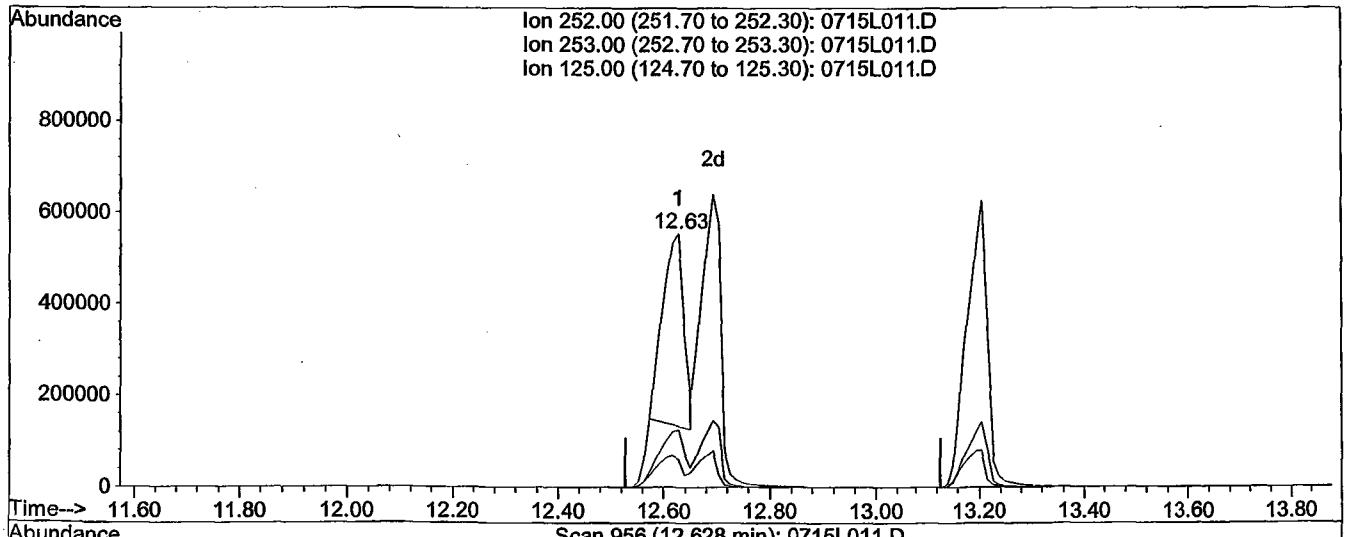
Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270
Last Update : Thu Jul 15 11:59:44 2021
Response via : Initial Calibration

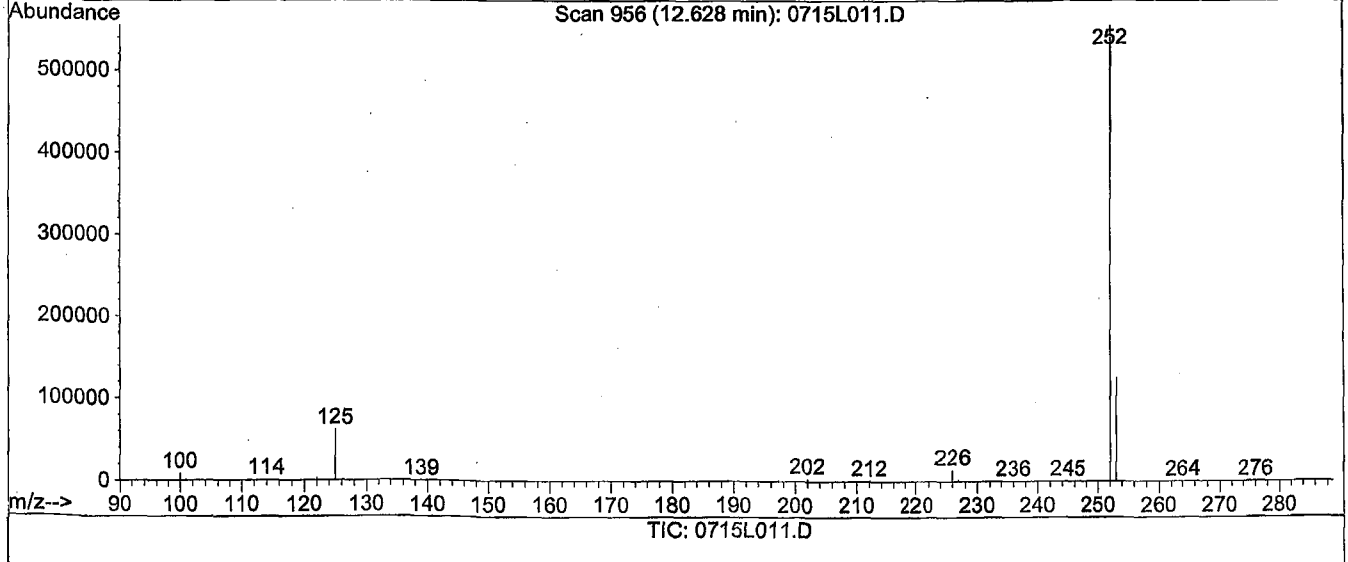


Quantitation Report

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 11:55 2021 Quant Results File: temp.res

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





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.63min 54.6037ppb

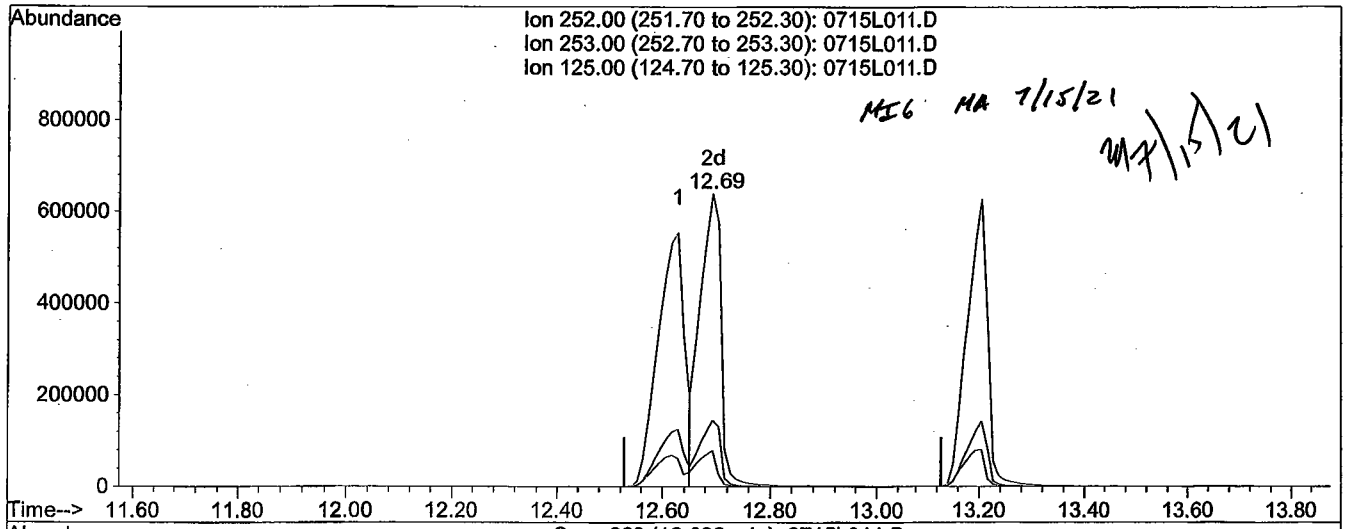
response 1129357

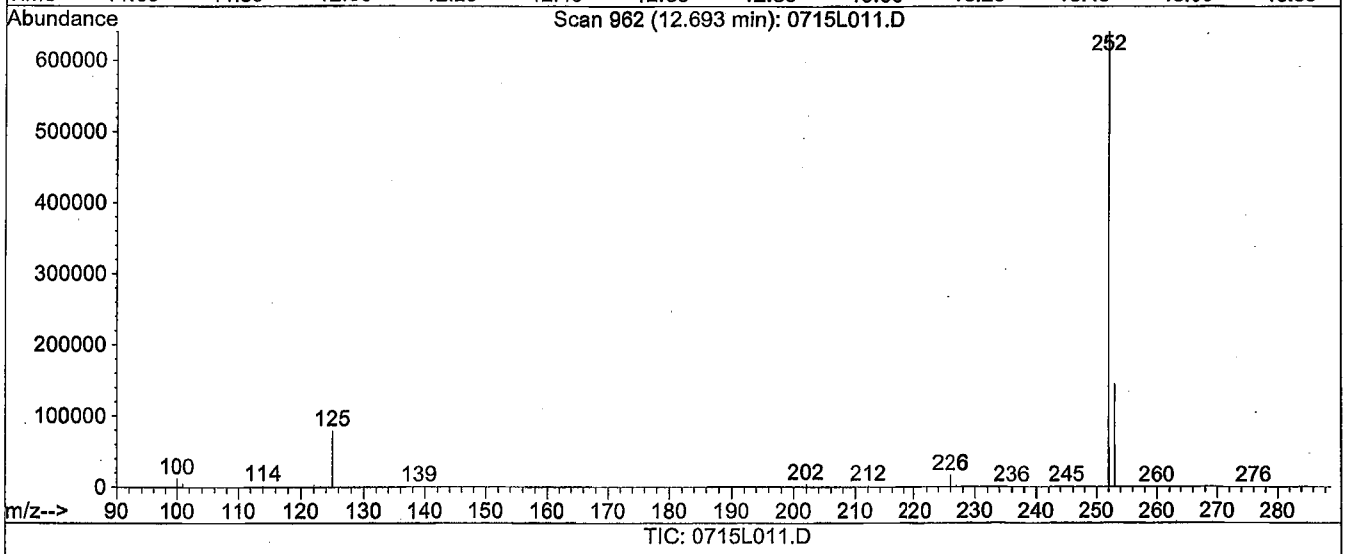
Ion	Exp%	Act%
252.00	100	100
253.00	21.80	23.01
125.00	11.60	9.12
0.00	0.00	0.00

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: temp.res

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





TIC: 0715L011.D

(22) Benzo (k) fluoranthene (TM)

12.69min 83.1905ppb m

response 1720612

Ion	Exp%	Act%
252.00	100	100
253.00	21.80	22.72
125.00	11.60	12.41
0.00	0.00	0.00

Form 7

Second Source Calibration

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

SDG No:
Date Analyzed: 07/15/21
Instrument: Linus
Initial Cal. Date: 07/15/21
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	
9	*TM	Fluoranthene	2.037	2.089	2.5	*TM	
10	TM	Pyrene	1.474	1.455	1.3	TM	
11	TM	Benz (a) anthracene	1.308	1.270	2.9	TM	
12	TM	Chrysene	1.364	1.261	7.5	TM	
13	TM	Indeno (1,2,3-cd) pyrene	1.277	1.265	0.97	TM	
14	TM	Benzo (b) fluoranthene	1.280	1.335	4.3	TM	
15	TM	Benzo (k) fluoranthene	1.406	1.404	0.14	TM	
16	*TM	Benzo (a) pyrene	1.216	1.304	7.2	*TM	
17	TM	Dibenz (a,h) anthracene	1.129	1.171	3.7	TM	
18	TM	Benzo (g,h,i) perylene	1.220	1.228	0.64	TM	
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
		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	2.500	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	17835	2.500	ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	29548	2.500	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	43782	2.500	ppb	0.00
20) Perylene-D12(IS)	13.25	264	38667	2.500	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	17	0.001	ppb	0.00
Spiked Amount 5.000			Recovery =	0.020%		
13) Fluoranthene-D10 (FRT)	9.15	212	215	0.009	ppb	0.00
Spiked Amount 5.000			Recovery =	0.180%		
Target Compounds						Qvalue
2) Naphthalene	4.07	128	84756	4.820	ppb	99
4) 2-Methylnaphthalene	4.85	142	50390	4.875	ppb	99
5) 1-Methylnaphthalene	4.96	142	50302	4.779	ppb	100
7) Acenaphthylene	5.88	152	173233	5.097	ppb	100
8) Acenaphthene	6.08	154	44498	4.882	ppb	100
9) Fluorene	6.69	166	56146	5.006	ppb	98
11) Phenanthrene	7.80	178	77621	4.860	ppb	99
12) Anthracene	7.86	178	77939	5.359	ppb	100
14) Fluoranthene	9.17	202	123463	5.127	ppb	100
16) Pyrene	9.43	202	127364	4.935	ppb	98
17) Benz (a) anthracene	10.86	228	111240	4.857	ppb	99
18) Chrysene	10.90	228	110421	4.623	ppb	100
19) Indeno (1,2,3-cd) pyrene	14.74	276	110758	4.952	ppb	97
21) Benzo (b) fluoranthene	12.57	252	103205	5.215	ppb	99
22) Benzo (k) fluoranthene	12.63	252	108595	4.993	ppb	99
23) Benzo (a) pyrene	13.15	252	100824	5.361	ppb	99
24) Dibenz (a,h) anthracene	14.78	278	90571	5.185	ppb	99
25) Benzo (g,h,i) perylene	15.08	276	94948	5.032	ppb	98

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

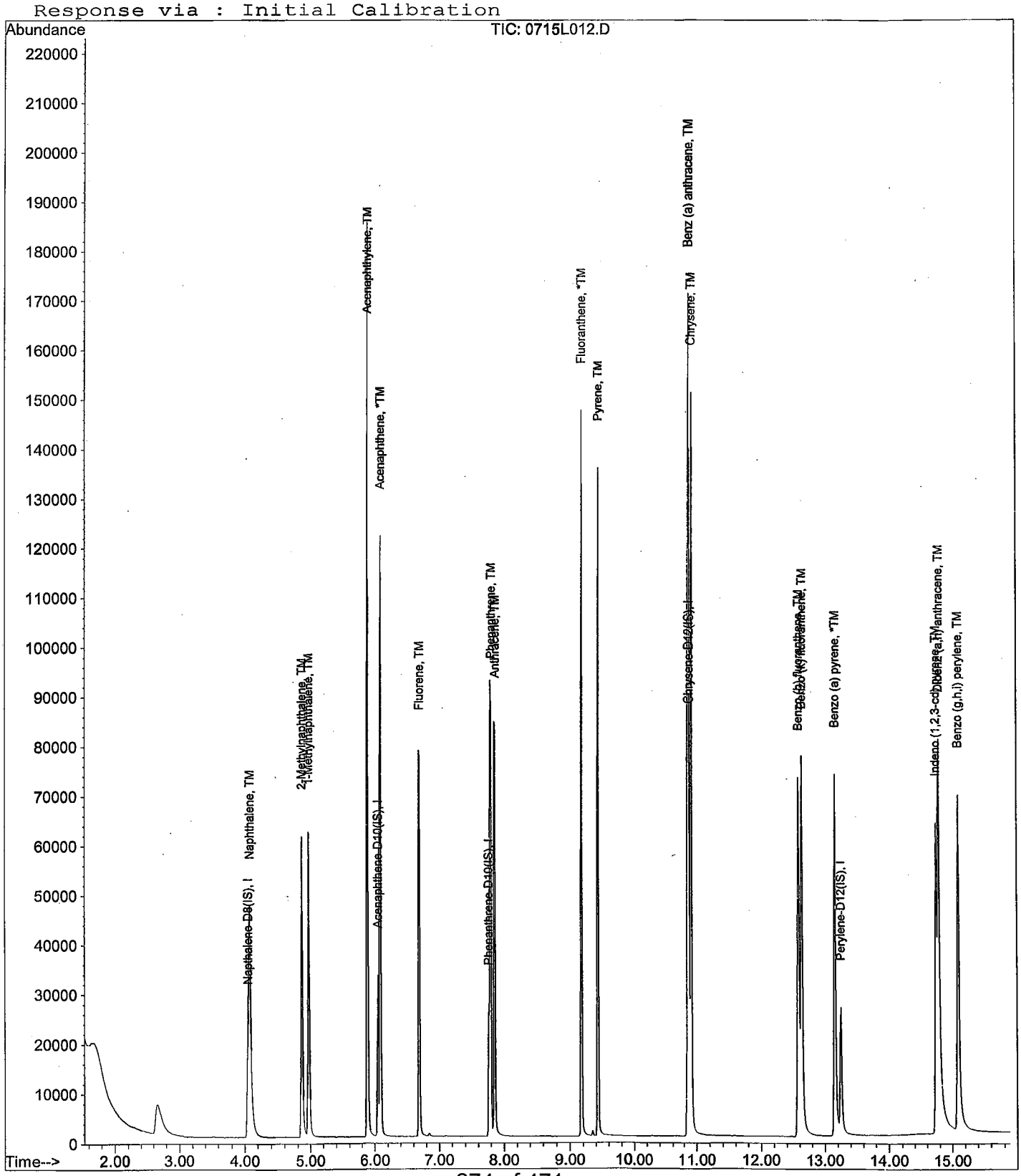
0715L012.D L0715.M Thu Jul 15 12:31:23 2021 Page 1

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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 3 Aug 21 10:10
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0715L279.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.176	1.116	5.1	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.182	1.211	2.5	S	
4	TM	2-Methylnaphthalene	0.6914	0.6810	1.5	TM	
5	TM	1-Methylnaphthalene	0.7040	0.6896	2.0	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.764	4.747	0.36	TM	
8	*TM	Acenaphthene	1.278	1.229	3.8	*TM	
9	TM	Fluorene	1.572	1.524	3.1	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.351	1.350	0.07	TM	
12	TM	Anthracene	1.231	1.279	3.9	TM	
13	S	Fluoranthene-D10 (FRT)	1.923	2.022	5.1	S	
14	*TM	Fluoranthene	2.037	2.137	4.9	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.474	1.507	2.3	TM	
17	TM	Benz (a) anthracene	1.308	1.219	6.8	TM	
18	TM	Chrysene	1.364	1.322	3.0	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.277	1.067	16	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.280	1.223	4.4	TM	
22	TM	Benzo (k) fluoranthene	1.406	1.522	8.2	TM	
23	*TM	Benzo (a) pyrene	1.216	1.226	0.80	*TM	
24	TM	Dibenz (a,h) anthracene	1.129	1.062	5.9	TM	
25	TM	Benzo (g,h,i) perylene	1.220	1.142	6.4	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			4.3		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L279.D Vial: 79
Acq On : 3 Aug 21 10:10 Operator: LS
Sample : 5 SIM 07/08/21 (3) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 10:27 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	40478	2.50000	ppb		0.00
6) Acenaphthene-D10(IS)	6.05	164	19174	2.50000	ppb		0.00
10) Phenanthrene-D10(IS)	7.76	188	29734	2.50000	ppb		0.00
15) Chrysene-D12(IS)	10.87	240	42761	2.50000	ppb		0.00
20) Perylene-D12(IS)	13.25	264	35552	2.50000	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	49017	2.56154	ppb		0.00
Spiked Amount 5.000			Recovery = 51.240%				
13) Fluoranthene-D10 (FRT)	9.15	212	60122	2.62858	ppb		0.00
Spiked Amount 5.000			Recovery = 52.580%				
Target Compounds							Qvalue
2) Naphthalene	4.07	128	90338	4.74414	ppb		100
4) 2-Methylnaphthalene	4.85	142	55132	4.92488	ppb		98
5) 1-Methylnaphthalene	4.96	142	55827	4.89764	ppb		99
7) Acenaphthylene	5.88	152	182039	4.98224	ppb		99
8) Acenaphthene	6.08	154	47118	4.80811	ppb		98
9) Fluorene	6.69	166	58440	4.84642	ppb		99
11) Phenanthrene	7.80	178	80303	4.99635	ppb		100
12) Anthracene	7.86	178	76042	5.19552	ppb		99
14) Fluoranthene	9.17	202	127108	5.24573	ppb		100
16) Pyrene	9.43	202	128886	5.11336	ppb		100
17) Benz (a) anthracene	10.86	228	104293	4.66212	ppb		99
18) Chrysene	10.90	228	113086	4.84764	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.75	276	91218	4.17550	ppb		95
21) Benzo (b) fluoranthene	12.58	252	86938	4.77755	ppb		98
22) Benzo (k) fluoranthene	12.63	252	108189	5.41034	ppb		98
23) Benzo (a) pyrene	13.16	252	87154	5.03985	ppb		98
24) Dibenz (a,h) anthracene	14.78	278	75539	4.70363	ppb	#	92
25) Benzo (g,h,i) perylene	15.10	276	81209	4.68079	ppb		97

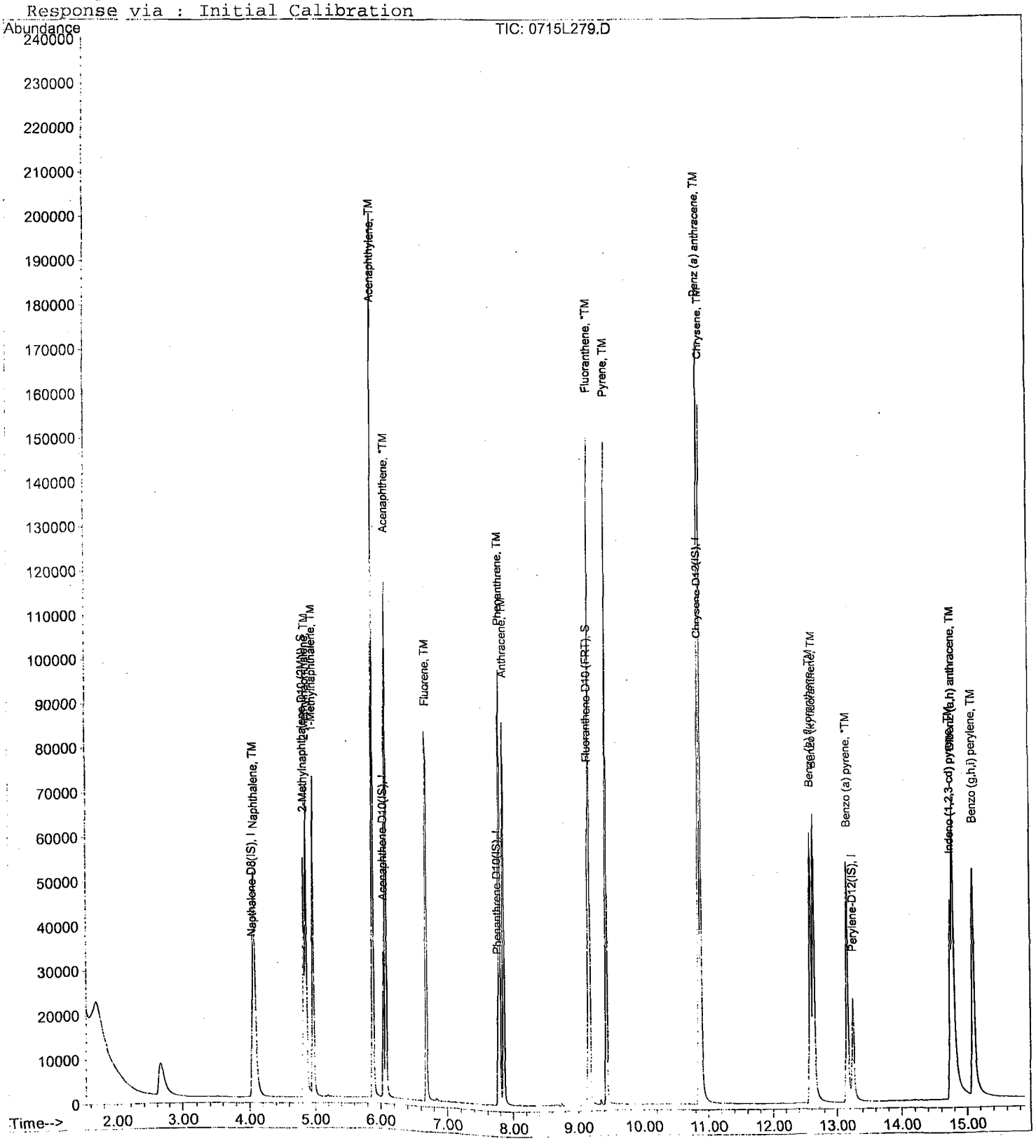
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L279.D Vial: 79
Acq On : 3 Aug 21 10:10 Operator: LS
Sample : 5 SIM 07/08/21 (3) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 10:27 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



PAH by GCMS SIM
EPA 8270 SIM

Form 7

Continuing Calibration

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

SDG No:
Date Analyzed: 3 Aug 21 17:45
Instrument: Linus
Initial Cal. Date: 07/15/21
Data File: 0715L296.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Napthalene-D8(IS)	ISTD			I	
2	TM	Naphthalene	1.176	1.190	1.2	TM	
3	S	2-Methylnaphthalene-D10 (2MN)	1.182	1.193	0.92	S	
4	TM	2-Methylnaphthalene	0.6914	0.7262	5.0	TM	
5	TM	1-Methylnaphthalene	0.7040	0.7393	5.0	TM	
6	I	Acenaphthene-D10(IS)	ISTD			I	
7	TM	Acenaphthylene	4.764	5.228	9.7	TM	
8	*TM	Acenaphthene	1.278	1.306	2.2	*TM	
9	TM	Fluorene	1.572	1.675	6.6	TM	
10	I	Phenanthrene-D10(IS)	ISTD			I	
11	TM	Phenanthrene	1.351	1.435	6.2	TM	
12	TM	Anthracene	1.231	1.365	11	TM	
13	S	Fluoranthene-D10 (FRT)	1.923	2.045	6.3	S	
14	*TM	Fluoranthene	2.037	2.336	15	*TM	
15	I	Chrysene-D12(IS)	ISTD			I	
16	TM	Pyrene	1.474	1.600	8.6	TM	
17	TM	Benz (a) anthracene	1.308	1.369	4.7	TM	
18	TM	Chrysene	1.364	1.391	2.0	TM	
19	TM	Indeno (1,2,3-cd) pyrene	1.277	1.226	4.0	TM	
20	I	Perylene-D12(IS)	ISTD			I	
21	TM	Benzo (b) fluoranthene	1.280	1.418	11	TM	
22	TM	Benzo (k) fluoranthene	1.406	1.529	8.8	TM	
23	*TM	Benzo (a) pyrene	1.216	1.346	11	*TM	
24	TM	Dibenz (a,h) anthracene	1.129	1.167	3.3	TM	
25	TM	Benzo (g,h,i) perylene	1.220	1.217	0.28	TM	
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
		Average			6.1		

Quantitation Report (Not Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L296.D Vial: 96
Acq On : 3 Aug 21 17:45 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 4 8:27 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	43068	2.50000 ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	20399	2.50000 ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	32718	2.50000 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	47916	2.50000 ppb	0.00
20) Perylene-D12(IS)	13.25	264	41821	2.50000 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	51371	2.52311 ppb	0.00
Spiked Amount 5.000			Recovery = 50.460%		
13) Fluoranthene-D10 (FRT)	9.15	212	66904	2.65831 ppb	0.00
Spiked Amount 5.000			Recovery = 53.160%		
Target Compounds					Qvalue
2) Naphthalene	4.06	128	102470	5.05765 ppb	100
4) 2-Methylnaphthalene	4.85	142	62556	5.25201 ppb	97
5) 1-Methylnaphthalene	4.96	142	63679	5.25053 ppb	97
7) Acenaphthylene	5.88	152	213286	5.48689 ppb	99
8) Acenaphthene	6.07	154	53271	5.10955 ppb	85
9) Fluorene	6.68	166	68356	5.32833 ppb	93
11) Phenanthrene	7.79	178	93882	5.30848 ppb	97
12) Anthracene	7.85	178	89338	5.54725 ppb	97
14) Fluoranthene	9.17	202	152827	5.73192 ppb	96
16) Pyrene	9.43	202	153349	5.42937 ppb	94
17) Benz (a) anthracene	10.86	228	131204	5.23411 ppb	100
18) Chrysene	10.90	228	133267	5.09814 ppb	99
19) Indeno (1,2,3-cd) pyrene	14.75	276	117469	4.79864 ppb	91
21) Benzo (b) fluoranthene	12.57	252	118582	5.53968 ppb	99
22) Benzo (k) fluoranthene	12.63	252	127929	5.43852 ppb	100
23) Benzo (a) pyrene	13.15	252	112549	5.53275 ppb	99
24) Dibenz (a,h) anthracene	14.78	278	97596	5.16611 ppb	96
25) Benzo (g,h,i) perylene	15.10	276	101755	4.98586 ppb	94

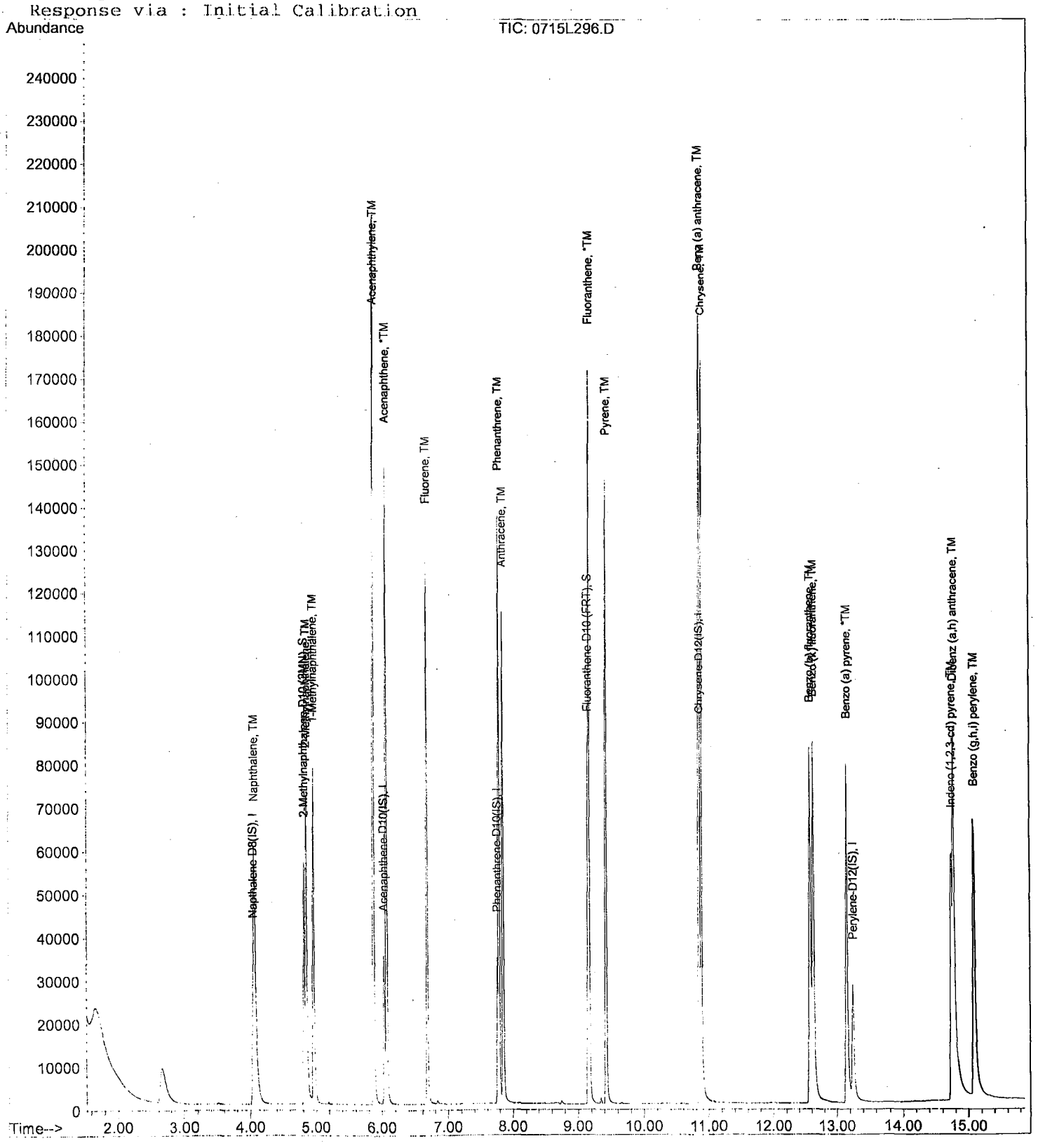
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L296.D Vial: 96
Acq On : 3 Aug 21 17:45 Operator: LS
Sample : 5 SIM 07/08/21 (4) Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 4 8:27 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



ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L290.D Vial: 90
Acq On : 3 Aug 21 14:16 Operator: LS
Sample : BA36547W05 1/880 Inst : Linus
Misc : Multiplr: 1.14

Quant Time: Aug 3 17:05 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	37169	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	19190	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	34557	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	53481	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	48892	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	87374	5.65	ppb	0.00
Spiked Amount 5.682			Recovery = 99.458%			
13) Fluoranthene-D10 (FRT)	9.15	212	93137	3.98	ppb	0.00
Spiked Amount 5.682			Recovery = 70.066%			
Target Compounds						Qvalue
5) 1-Methylnaphthalene	4.96	142	3881	0.42	ppb	98

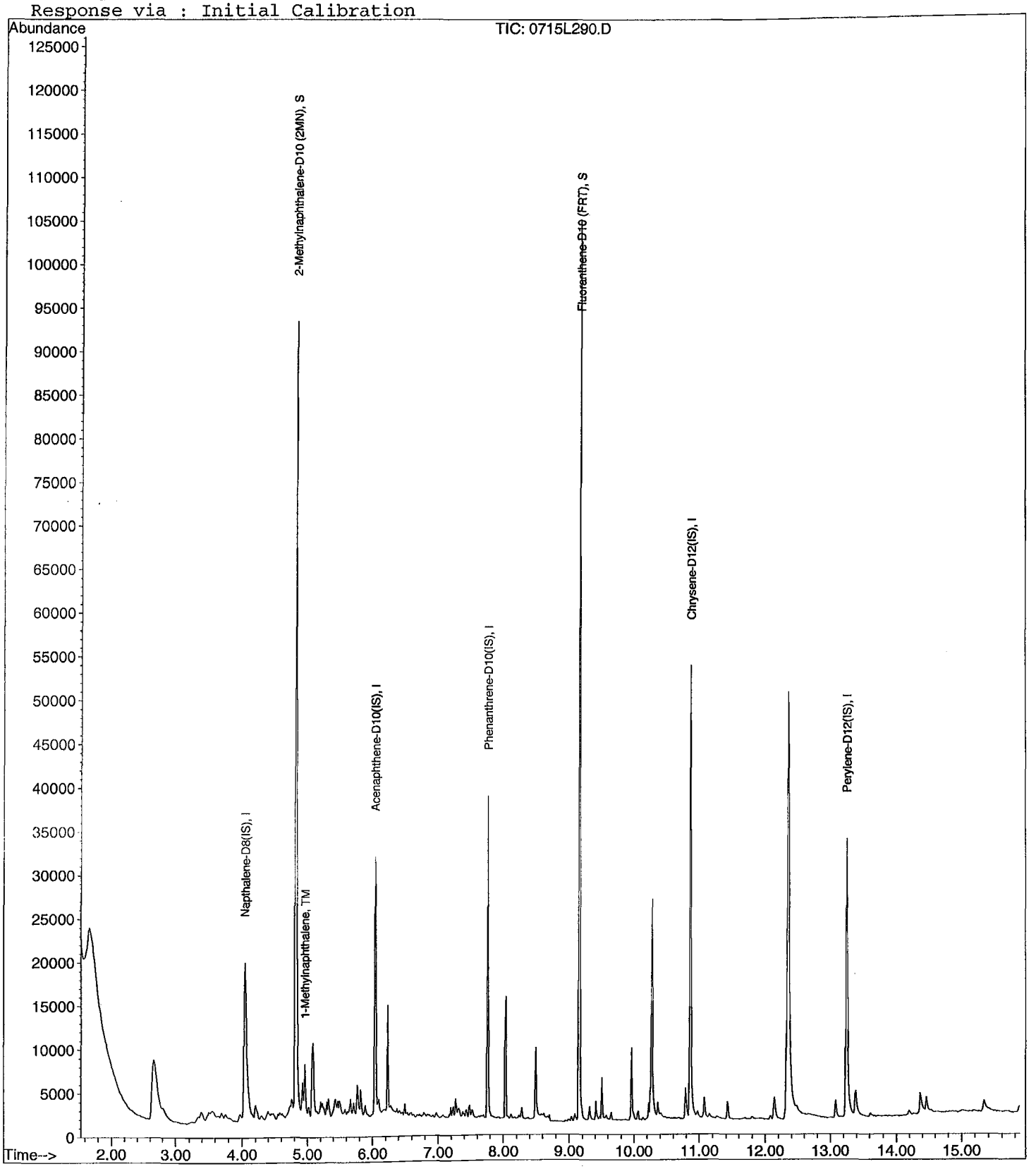
(#) = qualifier out of range (m) = manual integration

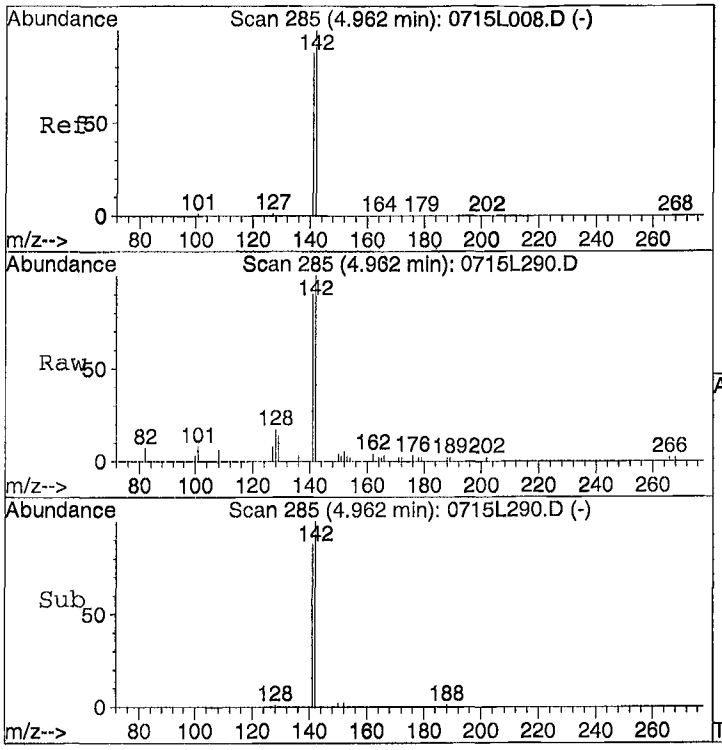
Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L290.D Vial: 90
Acq On : 3 Aug 21 14:16 Operator: LS
Sample : BA36547W05 1/880 Inst : Linus
Misc : Multiplr: 1.14

Quant Time: Aug 3 17:05 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

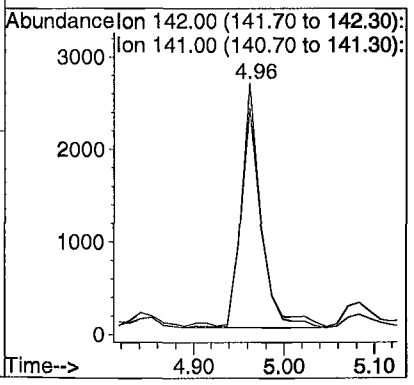




#5
1-Methylnaphthalene
Concen: 0.42 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0715L290.D
Acq: 3 Aug 21 14:16

Tgt Ion:142 Resp: 3881

Ion	Ratio	Lower	Upper
142	100		
141	89.6	61.7	114.5



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L291.D Vial: 91
Acq On : 3 Aug 21 14:38 Operator: LS
Sample : BA36550W05 1/900 Inst : Linus
Misc : Multiplr: 1.11

Quant Time: Aug 3 17:06 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	39968	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	20937	2.50	ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	36284	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	55926	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	51561	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	90690	5.33	ppb	0.00
Spiked Amount 5.556			Recovery = 95.994%			
13) Fluoranthene-D10 (FRT)	9.15	212	102343	4.07	ppb	0.00
Spiked Amount 5.556			Recovery = 73.332%			
Target Compounds						Qvalue
2) Naphthalene	4.07	128	947365	55.98	ppb	98
4) 2-Methylnaphthalene	4.85	142	185383	18.63	ppb	99
5) 1-Methylnaphthalene	4.96	142	247359	24.42	ppb	100

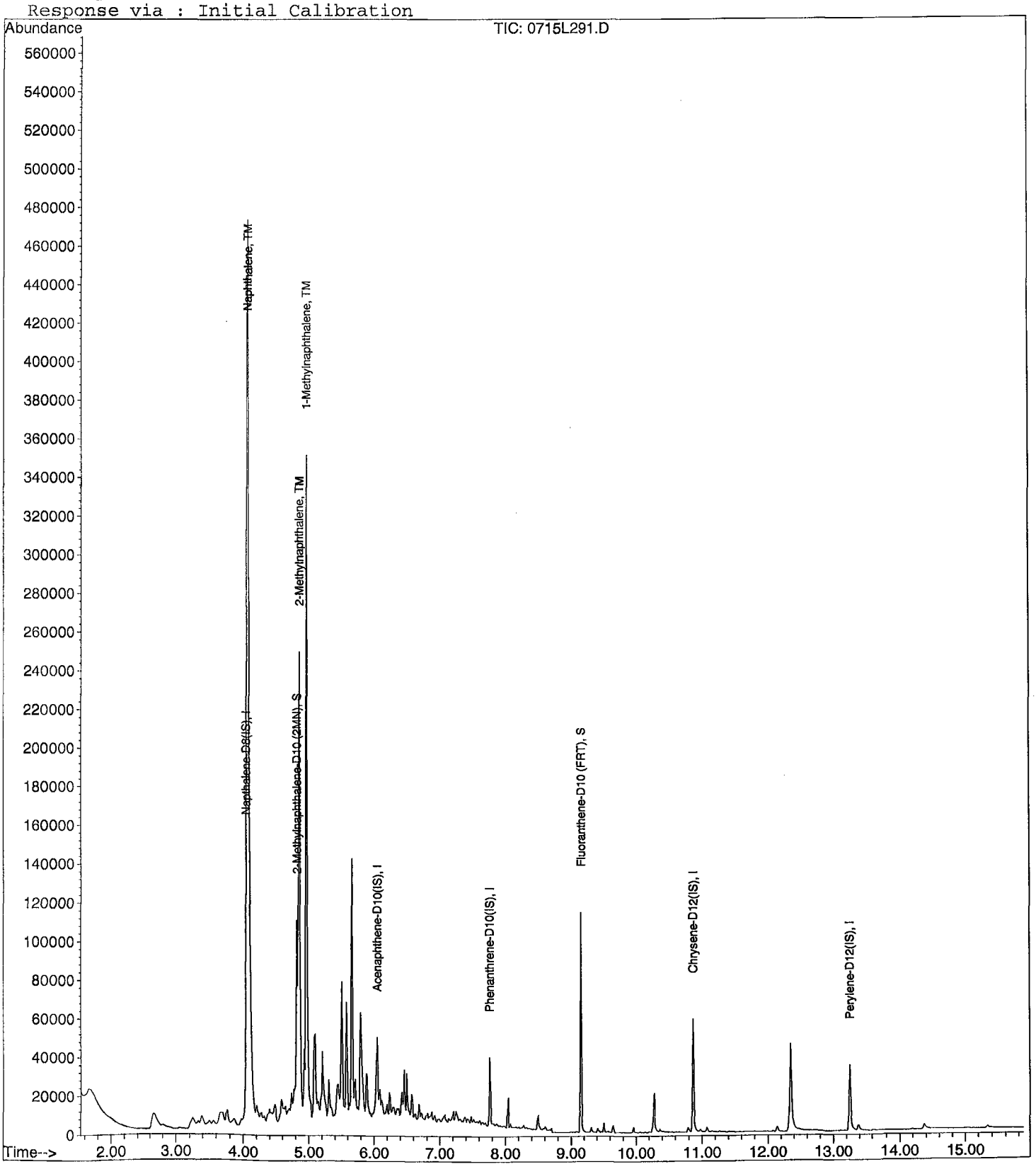
(#) = qualifier out of range (m) = manual integration

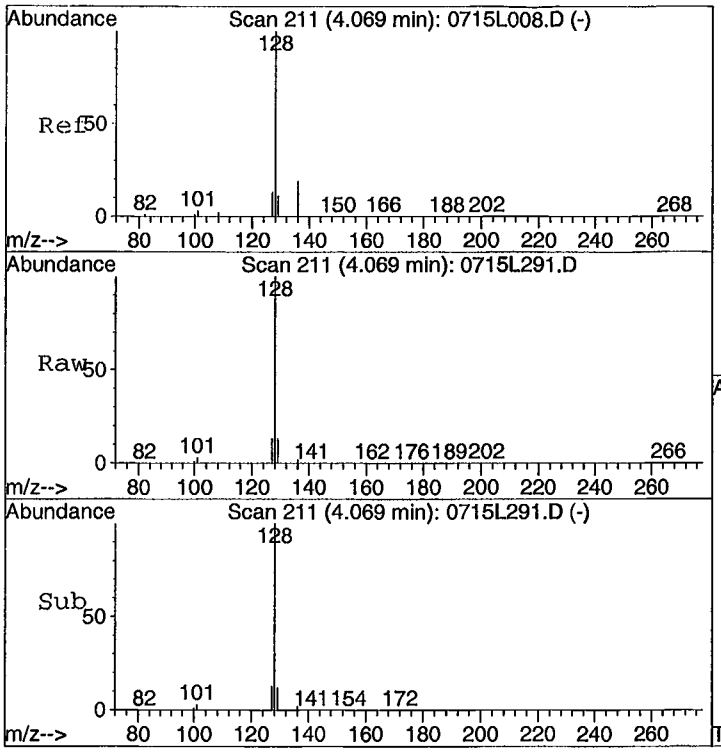
Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L291.D Vial: 91
Acq On : 3 Aug 21 14:38 Operator: LS
Sample : BA36550W05 1/900 Inst : Linus
Misc : Multiplr: 1.11

Quant Time: Aug 3 17:06 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

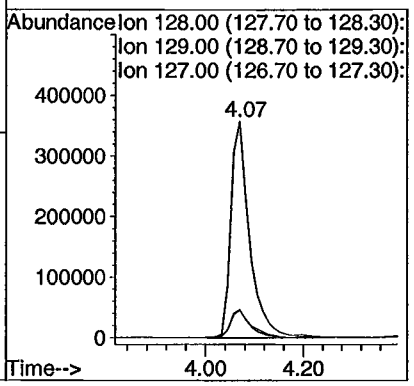


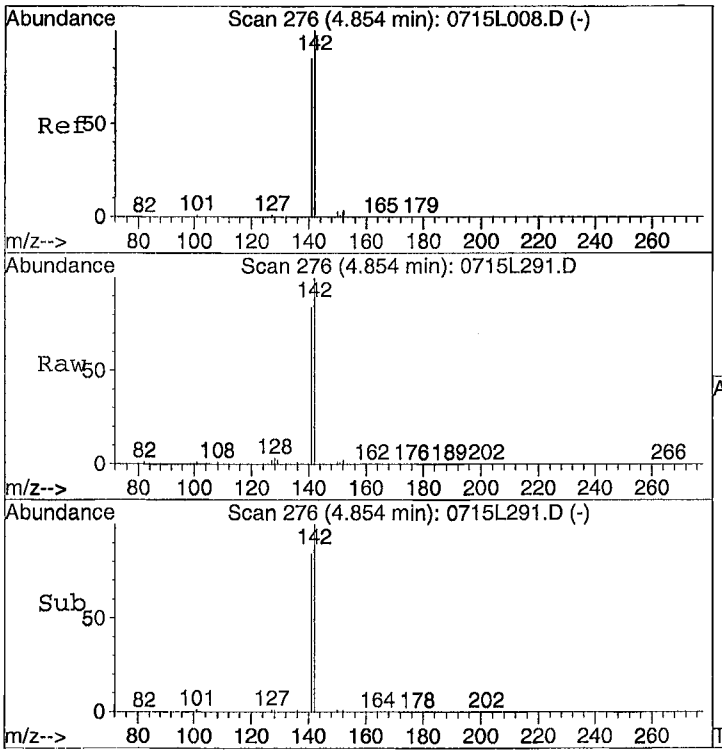


#2
Naphthalene
Concen: 55.98 ppb
RT: 4.07 min Scan# 211
Delta R.T. 0.00 min
Lab File: 0715L291.D
Acq: 3 Aug 21 14:38

Tgt Ion:128 Resp: 947365

Ion	Ratio	Lower	Upper
128	100		
129	12.5	7.6	14.2
127	13.0	8.9	16.5

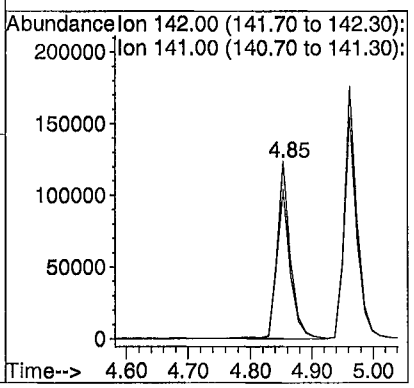


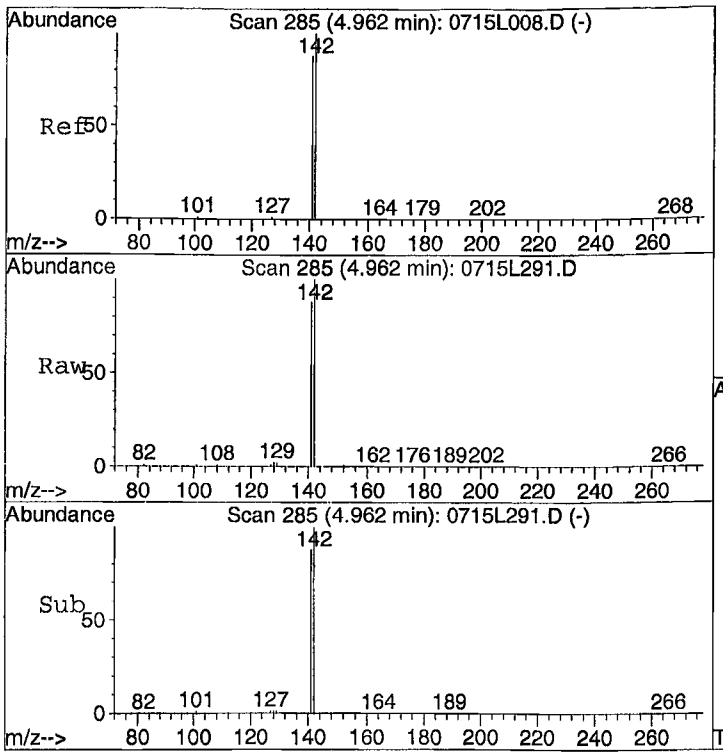


#4
2-Methylnaphthalene
Concen: 18.63 ppb
RT: 4.85 min Scan# 276
Delta R.T. 0.00 min
Lab File: 0715L291.D
Acq: 3 Aug 21 14:38

Tgt Ion:142 Resp: 185383

Ion	Ratio	Lower	Upper
142	100		
141	84.2	59.9	111.2

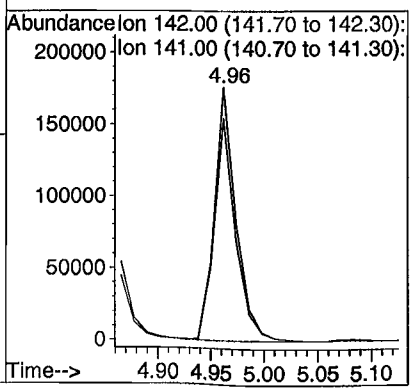




#5
1-Methylnaphthalene
Concen: 24.42 ppb
RT: 4.96 min Scan# 285
Delta R.T. 0.00 min
Lab File: 0715L291.D
Acq: 3 Aug 21 14:38

Tgt Ion:142 Resp: 247359

Ion	Ratio	Lower	Upper
142	100		
141	87.7	61.7	114.5



Quantitation Report (QT Reviewed)

Data File : M:\LINUS\DATA\L210715\0715L292.D Vial: 92
Acq On : 3 Aug 21 15:00 Operator: LS
Sample : BA36553W06 1/860 Inst : Linus
Misc : Multiplr: 1.16

Quant Time: Aug 3 16:40 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	39964	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	20020	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	34220	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	51950	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	47990	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	77156	4.75	ppb	0.00
Spiked Amount 5.814			Recovery = 81.683%			
13) Fluoranthene-D10 (FRT)	9.15	212	63817	2.82	ppb	0.00
Spiked Amount 5.814			Recovery = 48.487%			

Target Compounds Qvalue

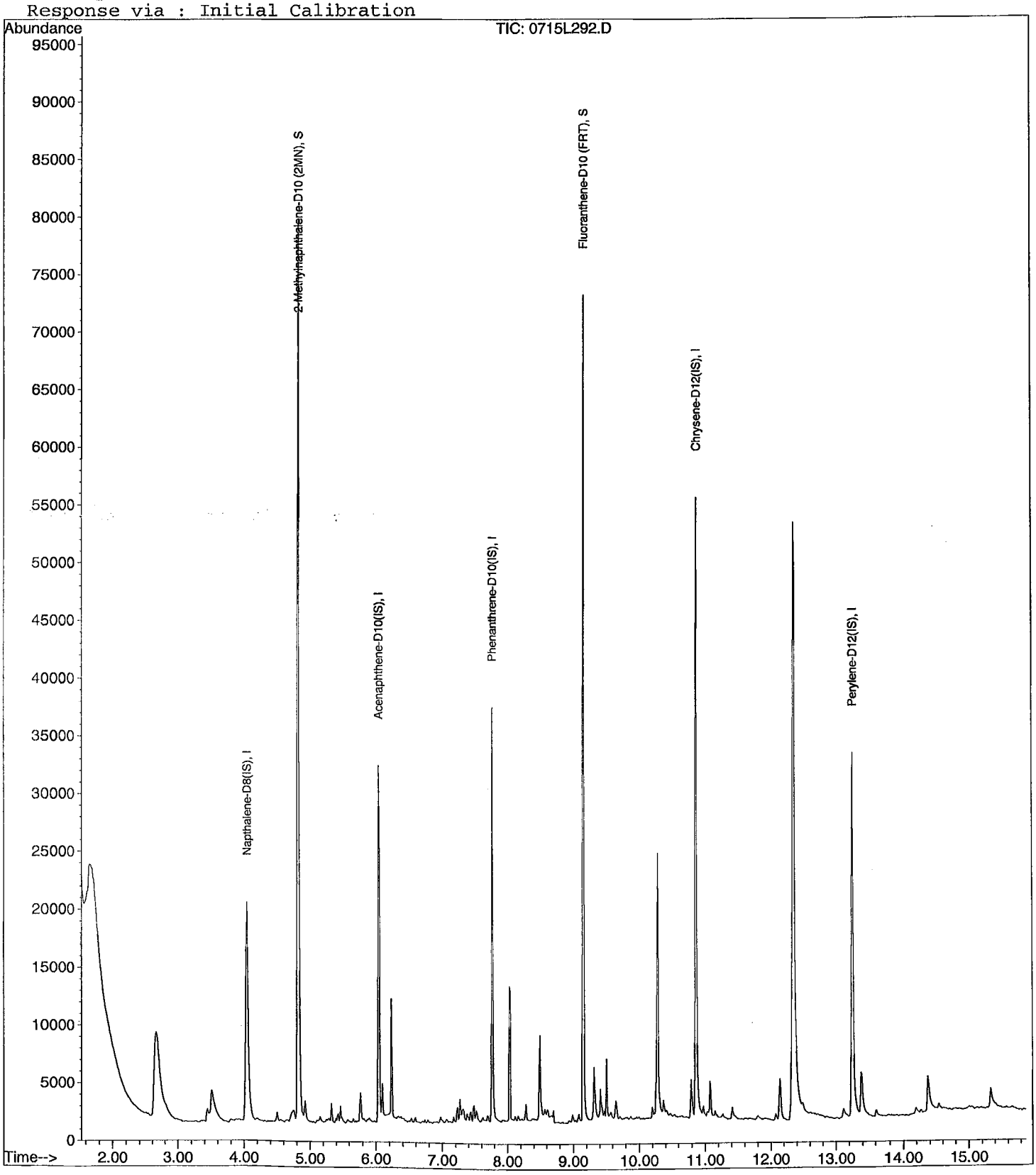
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L292.D Vial: 92
Acq On : 3 Aug 21 15:00 Operator: LS
Sample : BA36553W06 1/860 Inst : Linus
Misc : Multiplr: 1.16

Quant Time: Aug 3 16:40 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\L210715\0715L293.D Vial: 93
Acq On : 3 Aug 21 15:23 Operator: LS
Sample : BA36556W06 1/890 Inst : Linus
Misc : Multiplr: 1.12

Quant Time: Aug 3 17:06 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	43364	2.50 ppb	0.00
6) Acenaphthene-D10(IS)	6.05	164	21275	2.50 ppb	0.00
10) Phenanthrene-D10(IS)	7.76	188	36861	2.50 ppb	0.00
15) Chrysene-D12(IS)	10.87	240	56010	2.50 ppb	0.00
20) Perylene-D12(IS)	13.25	264	49788	2.50 ppb	0.00
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10 (2	4.82	152	94326	5.17 ppb	0.00
Spiked Amount 5.618			Recovery =	92.026%	
13) Fluoranthene-D10 (FRT)	9.15	212	132662	5.26 ppb	0.00
Spiked Amount 5.618			Recovery =	93.575%	

Target Compounds Qvalue

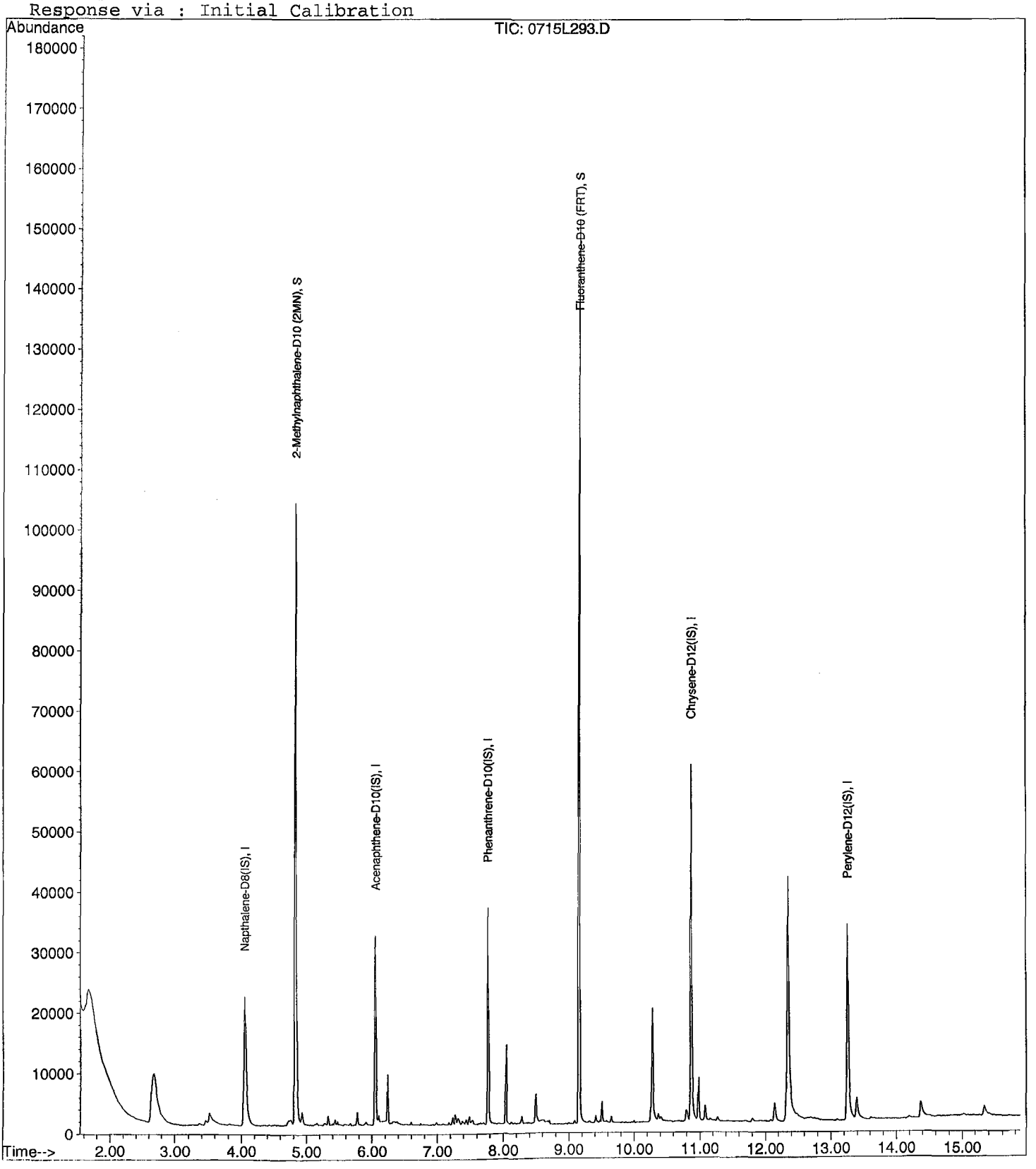
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L293.D Vial: 93
Acq On : 3 Aug 21 15:23 Operator: LS
Sample : BA36556W06 1/890 Inst : Linus
Misc : Multiplr: 1.12

Quant Time: Aug 3 17:06 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\L210715\0715L287.D Vial: 87
Acq On : 3 Aug 21 13:10 Operator: LS
Sample : 210728A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 16:48 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	37483	2.50	ppb	0.00
6) Acenaphthene-D10(IS)	6.04	164	18665	2.50	ppb	-0.01
10) Phenanthrene-D10(IS)	7.76	188	35012	2.50	ppb	0.00
15) Chrysene-D12(IS)	10.87	240	53600	2.50	ppb	0.00
20) Perylene-D12(IS)	13.25	264	49273	2.50	ppb	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10 (2	4.82	152	88762	5.01	ppb	0.00
Spiked Amount 5.000			Recovery = 100.180%			
13) Fluoranthene-D10 (FRT)	9.15	212	134267	4.99	ppb	0.00
Spiked Amount 5.000			Recovery = 99.700%			

Target Compounds Qvalue

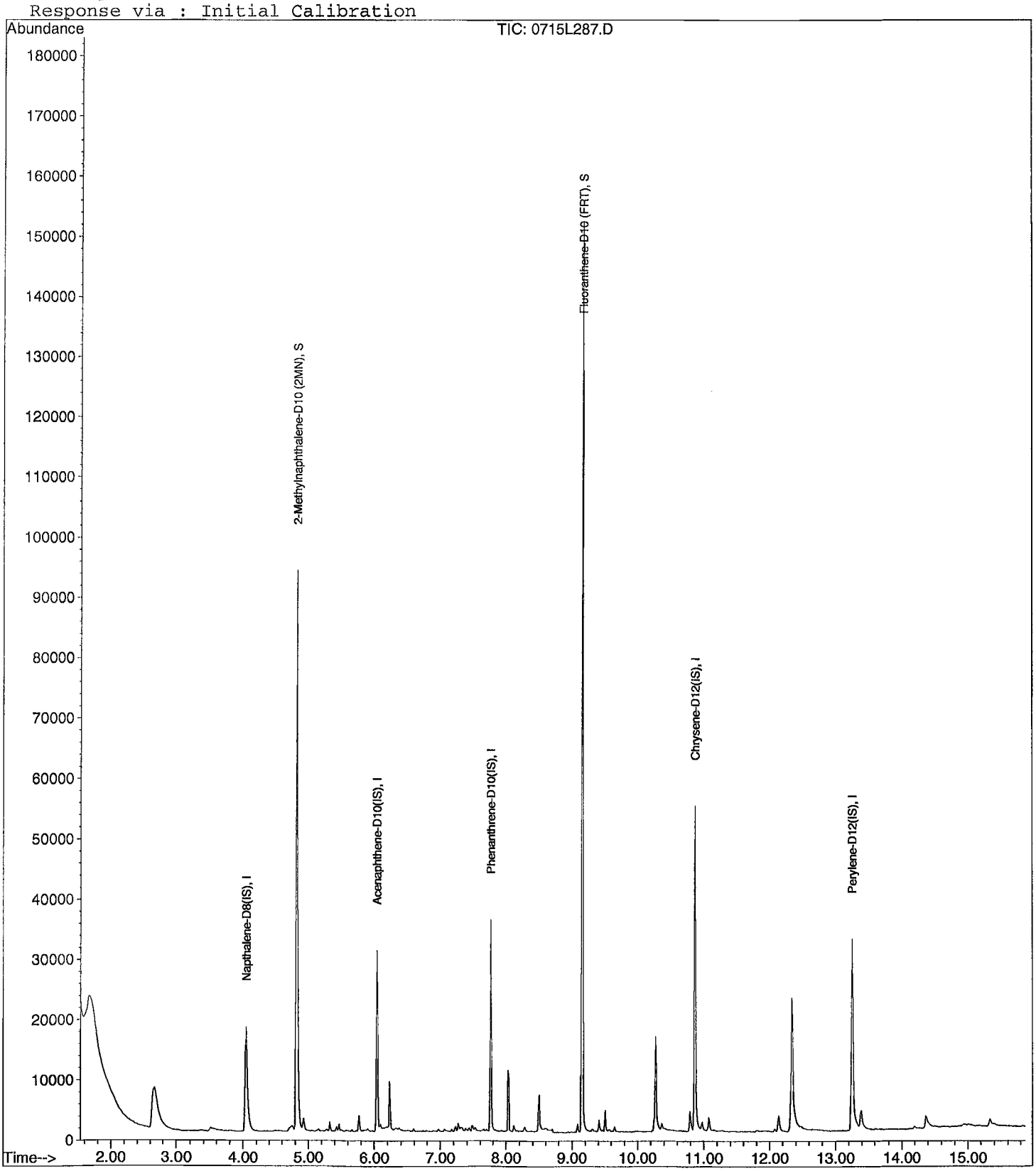
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L287.D Vial: 87
Acq On : 3 Aug 21 13:10 Operator: LS
Sample : 210728A BLK 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 16:48 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\L210715\0715L289.D Vial: 89
Acq On : 3 Aug 21 13:54 Operator: LS
Sample : 210728A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 16:21 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	37149	2.50	ppb		0.00
6) Acenaphthene-D10(IS)	6.04	164	18614	2.50	ppb		-0.01
10) Phenanthrene-D10(IS)	7.76	188	34119	2.50	ppb		0.00
15) Chrysene-D12(IS)	10.87	240	53120	2.50	ppb		0.00
20) Perylene-D12(IS)	13.25	264	48204	2.50	ppb		0.00
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10 (2	4.82	152	78338	4.46	ppb		0.00
Spiked Amount 5.000			Recovery	=	89.220%		
13) Fluoranthene-D10 (FRT)	9.15	212	127287	4.85	ppb		0.00
Spiked Amount 5.000			Recovery	=	97.000%		
Target Compounds							Qvalue
2) Naphthalene	4.07	128	75697	4.33	ppb		100
4) 2-Methylnaphthalene	4.85	142	47945	4.67	ppb		97
5) 1-Methylnaphthalene	4.96	142	47903	4.58	ppb		99
7) Acenaphthylene	5.88	152	172775	4.87	ppb		99
8) Acenaphthene	6.07	154	43216	4.54	ppb		84
9) Fluorene	6.68	166	58454	4.99	ppb		92
11) Phenanthrene	7.79	178	82899	4.49	ppb		97
12) Anthracene	7.85	178	76008	4.53	ppb		97
14) Fluoranthene	9.17	202	139393	5.01	ppb		94
16) Pyrene	9.43	202	143691	4.59	ppb		94
17) Benz (a) anthracene	10.85	228	128475	4.62	ppb		96
18) Chrysene	10.90	228	123475	4.26	ppb		98
19) Indeno (1,2,3-cd) pyrene	14.74	276	112451	4.14	ppb	#	96
21) Benzo (b) fluoranthene	12.57	252	117744	4.77	ppb		99
22) Benzo (k) fluoranthene	12.63	252	119234	4.40	ppb		98
23) Benzo (a) pyrene	13.15	252	104889	4.47	ppb		99
24) Dibenz (a,h) anthracene	14.78	278	93494	4.29	ppb		98
25) Benzo (g,h,i) perylene	15.08	276	97089	4.13	ppb		97

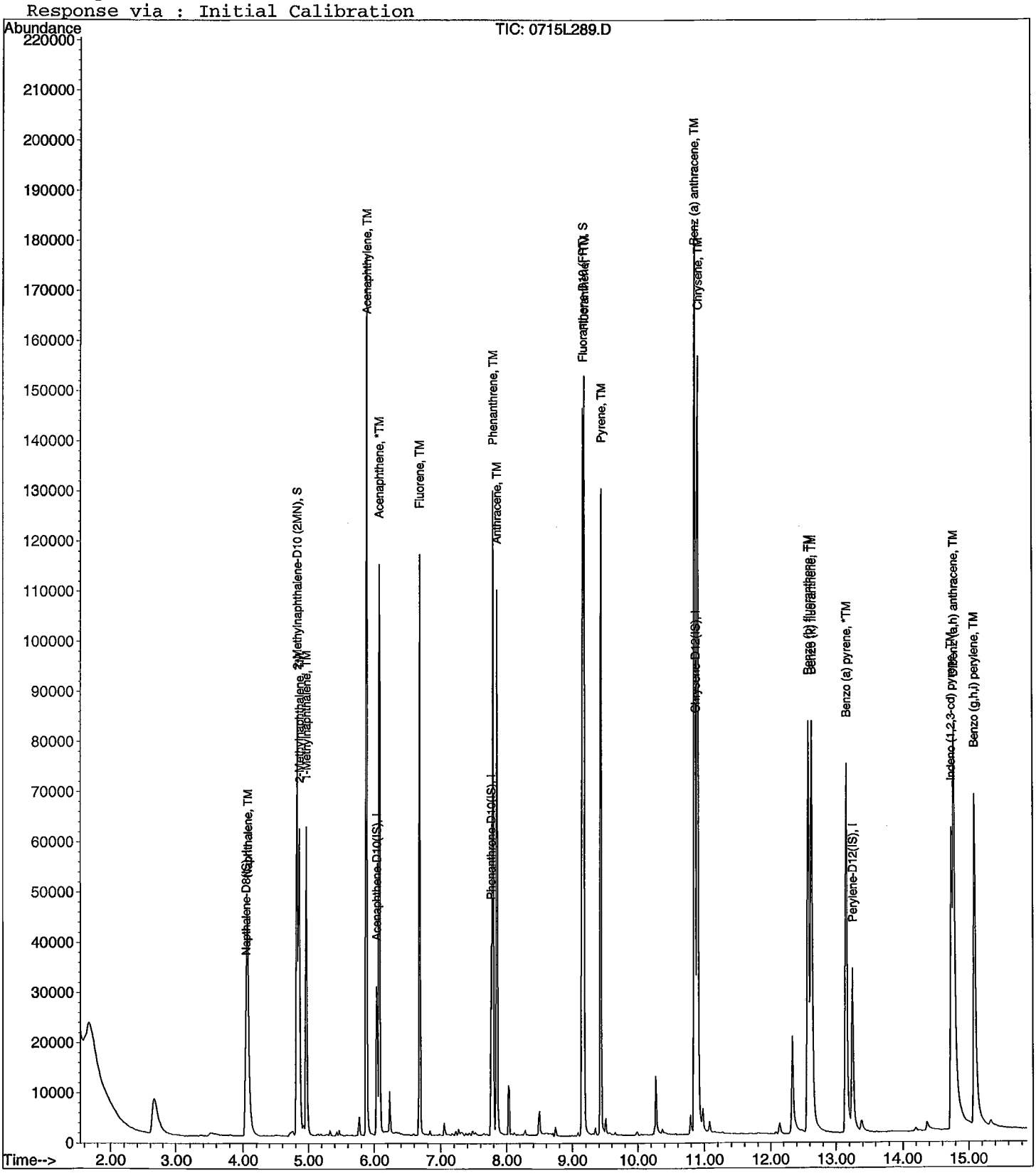
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\LINUS\DATA\L210715\0715L289.D Vial: 89
Acq On : 3 Aug 21 13:54 Operator: LS
Sample : 210728A LCSD-1 1/1000 Inst : Linus
Misc : Multiplr: 1.00

Quant Time: Aug 3 16:21 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

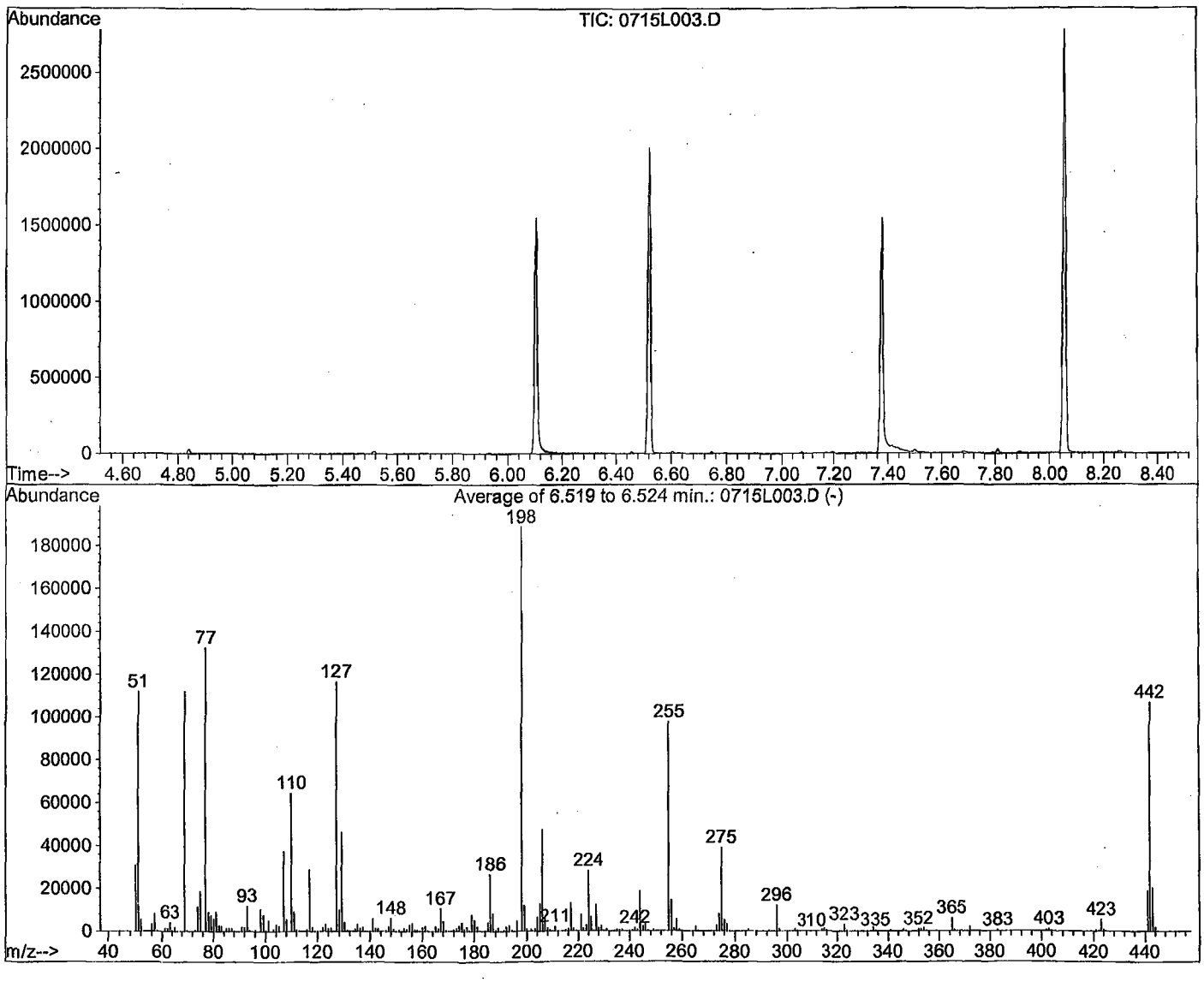


DFTPP

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

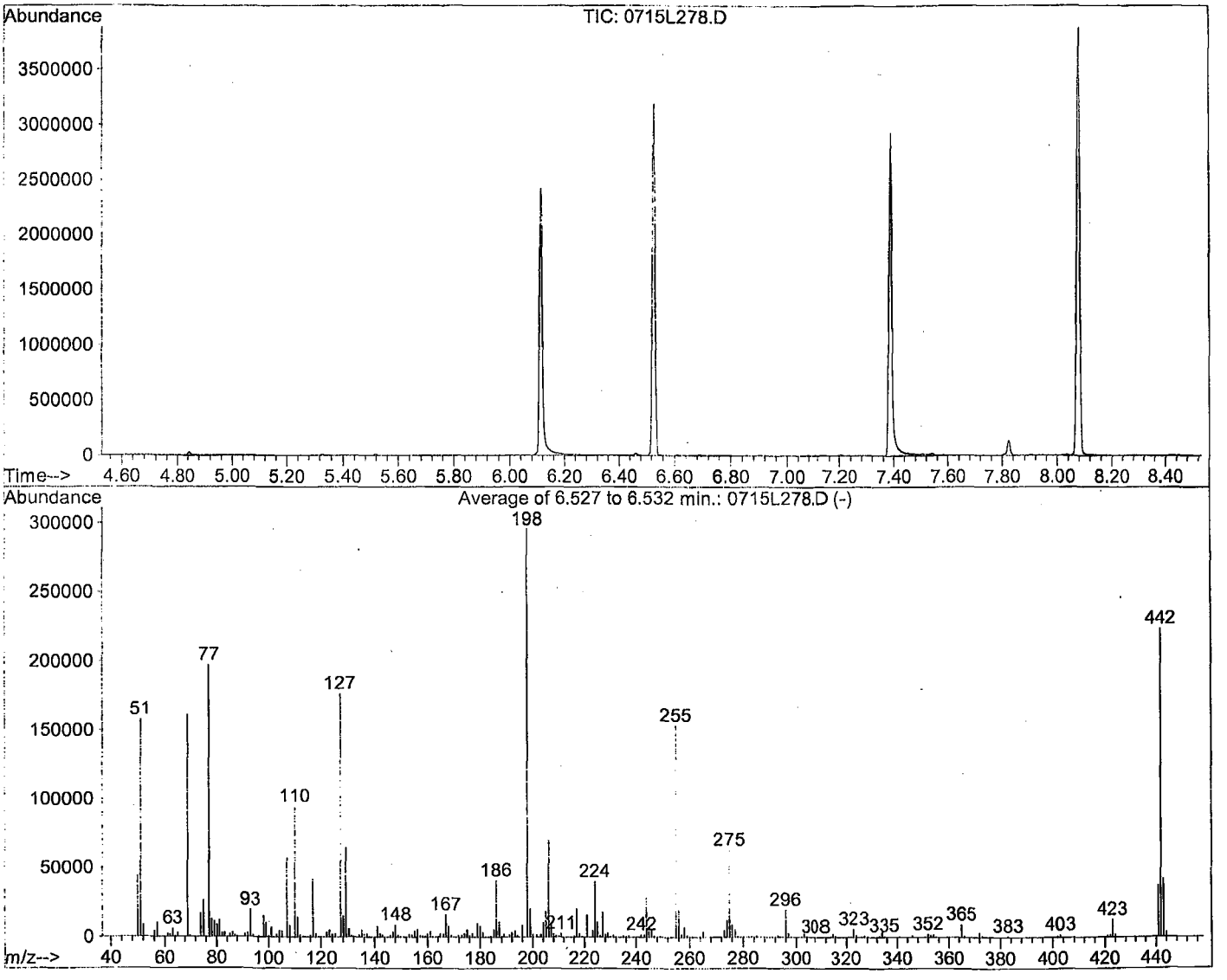
Breakdown **0.98**

DFTPP

Data File : M:\LINUS\DATA\L210715\0715L278.D
Acq On : 3 Aug 21 9:54
Sample : SV TUNE 7/2/21
Misc :

Vial: 78
Operator: LS
Inst : Linus
Multiplr: 1.00

Method : M:\LINUS\DATA\L210715\L0715.M (RTE Integrator)
Title : EPA 8270



AutoFind: Scans 1583, 1584, 1585; Background Corrected with Scan 1574

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	53.4	157946	PASS
68	69	0.00	2	0.0	0	PASS
70	69	0.00	2	0.6	1051	PASS
127	198	10	80	59.8	176923	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	295936	PASS
199	198	5	9	6.9	20417	PASS
275	198	10	60	21.4	63301	PASS
365	198	1	100	3.1	9224	PASS
441	442	0.01	24	16.7	37373	PASS
442	198	50	500	75.7	224171	PASS
443	442	15	24	18.8	42176	PASS

Data File Name:	**0715L278.D**
Data File Path:	**M:\LINUS\DATA\L210715**
Operator:	**LS**
Date Acquired:	**3 Aug 21 9:54**
Method File:	**DFTPP2.M**
Sample Name:	**SV TUNE 7/2/21**
Vial Number:	**78**
Instrument Name:	**Linus**

#	Name	Ret Time	Target Response
1)	DDT	8.08	30167300
2)	DDD	7.83	992649
3)	DDE	7.55	0

Breakdown **3.19**

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'd By (Initials)	LS
Prep Date	04/08/21		
Exp Date	04/08/22		

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	A0161454-50791, 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

Organic Extraction Worksheet

Method	Continuous Liquid/Liquid SVOC 3520C	Extraction Set	210728A	Extraction Method	LIQ003	Units	mL

Spiked ID 1	Sim Spike 05/28/21 - 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:		
Spiked ID 7			Ext. Start Time:	07/28/21 16:45	
Spiked ID 8			Ext. End Time:	07/29/21 8:50	
			GC Requires Extract By:		

vialed & injected
8-2-21 CW

pH1	14	07/28/21 13:35	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	210728A Blk				0.050	1 equip	1000	1	14Y	07/28/21 13:20	
2	210728A LCS-1		0.125	1	0.050	1 equip	1000	1	14Y	07/28/21 13:20	
3	210728A LCSD-1		0.125	1	0.050	1 equip	1000	1	14Y	07/28/21 13:20	
4	BA36547	BA36547W05			0.050	1 equip	880	1	14Y	07/28/21 13:20	96919
5	BA36550	BA36550W05			0.050	1 equip	900	1	14Y	07/28/21 13:20	96919
6	BA36553	BA36553W06			0.050	1 equip	860	1	14Y	07/28/21 13:20	96919
7	BA36556	BA36556W06			0.050	1 equip	890	1	14Y	07/28/21 13:20	96919

Solvent and Lot#	
PH Strips	HC155968
Dichloromethane (DCM)	60338
10N NaOH (40mLs)	07/27/21
Filter Paper	400181
Na2SO4	2020120870

Extraction COC Transfer	
Extraction lab employee Initials	
GC analyst's initials	CW
Date	8-2-21
Time	1050
Refrigerator	GC_C

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

Modified	08/02/21 12:39:13 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	78	0715L278.D	1	SV TUNE 7/2/21		3 Aug 21 9:54
12	79	0715L279.D	1	5 SIM 07/08/21 (3)		3 Aug 21 10:10
13	87	0715L287.D	1	210728A BLK 1/1000		3 Aug 21 13:10
14	89	0715L289.D	1	210728A LCSD-1 1/1000		3 Aug 21 13:54
15	90	0715L290.D	1.13636	BA36547W05 1/880		3 Aug 21 14:16
16	91	0715L291.D	1.11111	BA36550W05 1/900		3 Aug 21 14:38
17	92	0715L292.D	1.16279	BA36553W06 1/860		3 Aug 21 15:00
18	93	0715L293.D	1.1236	BA36556W06 1/890		3 Aug 21 15:23
19	95	0715L295.D	1	210728A LCS-1 1/1000		3 Aug 21 17:23
20	96	0715L296.D	1	5 SIM 07/08/21 (4)		3 Aug 21 17:45

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: 7/21/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0721M02.D	0721M03.D	0721M04.D	0721M05.D	0721M06.D	0721M07.D	0721M08.D	0721M09.D	0721M10.D							
1	I	Fluorobenzene (IS)																
2	TM	Chlorotrifluoroethene													TM			
3	TML	Dichlorodifluoromethane			0.1470	0.1634	0.1001	0.1524	0.1260	0.1515	0.1497		0.14	15	TM	0.999		
4	TM	Freon 114	0.1010	0.1327	0.1241	0.1125	0.0773	0.0973	0.1155	0.1124	0.1050		0.11	15	TM			
5	TM**	Chloromethane		0.1545	0.1075	0.1075	0.1141	0.1053	0.1071	0.1069	0.1117		0.11	14	TM**			
6	TM*L	Vinyl chloride	0.1227	0.1142	0.1547	0.1035	0.0932	0.1110	0.0988	0.1092	0.1158		0.11	16	TM*	0.999		
7	TM	2-Chloro-1,1,1-trifluoroethane													TM			
8	TM	Bromomethane		0.0825	0.0831	0.0808	0.0844	0.0684	0.0792	0.0744	0.0738		0.08	7.1	TM			
9	TML	Chloroethane		0.0850	0.0828	0.0639	0.0627	0.0580	0.0558	0.0521	0.0548		0.06	20	TM	0.999		
10	TM	Dichlorofluoromethane	0.2672	0.2203	0.2224	0.2071	0.2059	0.2097	0.2147	0.2137	0.2180		0.22	8.5	TM			
11	TM	Trichlorofluoromethane	0.2635	0.2845	0.2564	0.2518	0.2027	0.2367	0.2150	0.2365	0.2454		0.24	10	TM			
12	TM	2,2-Dichloro-1,1,1-trifluoroethane													TM			
13	TM	Acrolein	0.0165	0.0172	0.0176	0.0164	0.0158	0.0167	0.0164	0.0159	0.0164		0.02	3.4	TM			
14	TM	Acetone	0.0485	0.0459	0.0370	0.0330	0.0355	0.0383	0.0338	0.0340	0.0342		0.04	15	TM			
15	TM	Freon-113		0.1341	0.1357	0.1190	0.0912	0.1168	0.1147	0.1154	0.1114		0.12	12	TM			
16	TM	Acetonitrile	0.0108	0.0120	0.0110	0.0114	0.0110	0.0113	0.0124	0.0125	0.0111		0.01	5.7	TM			
17	TM	2-propanol													TM			
18	TM*	1,1-DCE	0.1839	0.2020	0.1918	0.1630	0.1587	0.1775	0.1704	0.1759	0.1778		0.18	7.6	TM*			
19	TM	t-Butanol		0.0099	0.0116	0.0104	0.0115	0.0117	0.0125	0.0129	0.0140		0.01	11	TM			
20	TM	Methyl Acetate			0.0950	0.0783	0.0856	0.0834	0.0765	0.0735	0.0785		0.08	8.8	TM			
21	TML	Iodomethane			0.0642	0.0645	0.0880	0.1102	0.1287	0.1501	0.1613		0.11	36	TM	0.999		
22	TML	Acrylonitrile			0.0155	0.0307	0.0350	0.0454	0.0398	0.0405	0.0404		0.04	28	TM	1.000		
23	TM	2-Methylpentane													TM			
24	TM	Methylene chloride			0.1264	0.1469	0.1153	0.1242	0.1128	0.1173	0.1165		0.12	9.5	TM			
25	TM	Carbon disulfide		0.2141	0.2037	0.1729	0.1924	0.1841	0.2009	0.1923	0.1854		0.19	6.7	TM			
26	TM	Methyl t-butyl ether (MtBE)	0.4508	0.4725	0.4264	0.4084	0.3774	0.3863	0.4087	0.4061	0.3966		0.41	7.4	TM			
27	TM	Trans-1,2-DCE	0.1312	0.1629	0.1401	0.1308	0.1330	0.1212	0.1260	0.1379	0.1366		0.14	8.7	TM			
28	TM	3-Methylpentane													TM			
29	TM	Diisopropyl Ether	0.3322	0.3857	0.3144	0.3156	0.3354	0.3155	0.3224	0.3256	0.3315		0.33	6.6	TM			
30	TM**	1,1-DCA	0.2995	0.2154	0.2303	0.2064	0.2220	0.2081	0.2081	0.2242	0.2226		0.23	13	TM**			
31	TML	Vinyl Acetate	0.0483	0.1014	0.0544	0.1045	0.1486	0.0998	0.1100	0.0892	0.1165		0.10	32	TM	0.991		
32	TM	Ethyl tert Butyl Ether	0.3655	0.3814	0.3325	0.3692	0.3918	0.3637	0.3731	0.3808	0.3754		0.37	4.5	TM			
33	TM	Methylcyclopentane				0.0208	0.0194	0.0162	0.0195	0.0172	0.0155		0.02	12	TM			
34	TM	MEK (2-Butanone)	0.0403	0.0482	0.0431	0.0421	0.0423	0.0489	0.0464	0.0441	0.0422		0.04	6.8	TM			
35	TM	Cis-1,2-DCE	0.1380	0.1936	0.1261	0.1469	0.1547	0.1482	0.1436	0.1484	0.1479		0.15	12	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 7/21/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
36	TM	2,2-Dichloropropane	0.2393	0.2783	0.2763	0.2154	0.2472	0.2265	0.2203	0.2233	0.2259		0.24	9.9	TM			
37	TM*	Chloroform	0.3563	0.3394	0.2534	0.2500	0.2747	0.2524	0.2571	0.2608	0.2635		0.28	14	TM*			
38	TM	Bromochloromethane	0.0721	0.1061	0.1257	0.1099	0.1138	0.1090	0.1044	0.1093	0.1120		0.11	13	TM			
39	S	Dibromofluoromethane(S)	0.3232	0.3292	0.2826	0.2769	0.2946	0.3074	0.2921	0.3051	0.2808		0.30	6.2	S			
40	TM	1,1,1-TCA	0.2455	0.2674	0.1921	0.2593	0.2676	0.2646	0.2489	0.2750	0.2624		0.25	9.8	TM			
41	TM	Cyclohexane	0.0972	0.0874	0.1103	0.0748	0.0805	0.0855	0.0965	0.0975	0.0901		0.09	12	TM			
42	TM	1,1-Dichloropropene	0.2125	0.1952	0.1762	0.1641	0.1619	0.1603	0.1602	0.1670	0.1613		0.17	11	TM			
43	TM	2,2,4-Trimethylpentane	0.1826	0.2314	0.2764	0.2949	0.1878	0.2478	0.2609	0.2517	0.2524		0.24	15	TM			
44	S	1,2-DCA-D4(S)	0.1961	0.1904	0.1829	0.1760	0.1867	0.1977	0.1964	0.2008	0.1813		0.19	4.5	S			
45	TM	Carbon Tetrachloride	0.2125	0.2390	0.2632	0.2488	0.2383	0.2504	0.2445	0.2487	0.2440		0.24	5.6	TM			
46	TM	Tert Amyl Methyl Ether	0.4583	0.3993	0.3985	0.3537	0.3723	0.3604	0.3708	0.3537	0.3550		0.38	9.0	TM			
47	TM	1,2-DCA	0.2363	0.2812	0.2462	0.2289	0.2382	0.2320	0.2197	0.2347	0.2284		0.24	7.4	TM			
48	TM	Benzene	0.5232	0.5217	0.4106	0.4890	0.4960	0.4760	0.4603	0.4958	0.4901		0.48	7.0	TM			
49	TM	TCE	0.1741	0.1851	0.1386	0.1372	0.1357	0.1382	0.1382	0.1441	0.1438		0.15	12	TM			
50	TM	2-Pentanone	0.0522	0.0689	0.0703	0.0646	0.0692	0.0734	0.0726	0.0716	0.0678		0.07	9.5	TM			
51	TM*L	1,2-Dichloropropane	0.0595	0.0996	0.0970	0.0704	0.0680	0.0669	0.0563	0.0632	0.0642		0.07	22	TM*	0.999		
52	TM	Bromodichloromethane	0.1669	0.2407	0.2000	0.1797	0.2118	0.2136	0.2013	0.2170	0.2101		0.20	10	TM			
53	TM	Methyl Cyclohexane	0.1703	0.1541	0.1790	0.1928	0.1393	0.1573	0.1713	0.1799	0.1770		0.17	9.6	TM			
54	TM	Dibromomethane		0.0613	0.0809	0.0841	0.0877	0.0878	0.0796	0.0841	0.0835		0.08	10	TM			
55	TM	MIBK (methyl isobutyl ketone)	0.0885	0.1019	0.0927	0.0877	0.0883	0.0953	0.0924	0.0917	0.0903		0.09	4.8	TM			
56	TML	1-Bromo-2-chloroethane			0.0349	0.0131	0.0339	0.0268	0.0292	0.0314	0.0281		0.03	26	TM	0.997		
57	TM	2-Chloroethyl vinyl ether													TM			
58	TM	Cis-1,3-Dichloropropene	0.1550	0.1440	0.1188	0.1114	0.1186	0.1237	0.1183	0.1193	0.1204		0.13	11	TM			
59	TM*	Toluene	0.4593	0.5560	0.5269	0.5090	0.5524	0.5182	0.5136	0.5385	0.5440		0.52	5.6	TM*			
60	TM	Trans-1,3-Dichloropropene	0.2070	0.2528	0.1685	0.1834	0.2001	0.2023	0.1898	0.1975	0.2015		0.20	11	TM			
61	TM	1,1,2-TCA	0.1037	0.1164	0.1105	0.0800	0.0832	0.0894	0.0843	0.0868	0.0843		0.09	14	TM			
62	TM	2-Hexanone	0.0558	0.0626	0.0587	0.0522	0.0576	0.0596	0.0591	0.0597	0.0564		0.06	5.1	TM			
63	I	Chlorobenzene-D5 (IS)																
64	S	Toluene-D8(S)	1.152	1.254	1.055	1.050	1.126	1.135	1.119	1.114	1.055		1.1	5.7	S			
65	TM	1,2-EDB	0.1655	0.1874	0.1271	0.1563	0.1501	0.1407	0.1414	0.1449	0.1431		0.15	12	TM			
66	TM	Tetrachloroethene	0.1719	0.1711	0.1363	0.1311	0.1175	0.1219	0.1243	0.1254	0.1231		0.14	15	TM		*	
67	TM	1-Chlorohexane	0.1804	0.1567	0.1857	0.1921	0.1552	0.1551	0.1658	0.1589	0.1716		0.17	8.4	TM			
68	TM	1,1,1,2-Tetrachloroethane	0.1783	0.2016	0.1784	0.2086	0.1891	0.1957	0.1951	0.1944	0.1933		0.19	5.1	TM			
69	TM	m&p-Xylene	0.2719	0.3134	0.2774	0.2774	0.2793	0.2727	0.2784	0.2909	0.2897		0.28	4.6	TM			
70	TM	o-Xylene	0.2773	0.3151	0.2617	0.3186	0.2813	0.2840	0.2822	0.2905	0.2899		0.29	6.2	TM			

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 7/21/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type		Q	MRF
71	TM	Styrene	0.4801	0.4847	0.4683	0.4129	0.4634	0.4678	0.4561	0.4777	0.4837		0.47	4.8	TM			
72	S	4-Bromofluorobenzene(S)	0.5070	0.4564	0.3969	0.4137	0.4479	0.4506	0.4426	0.4440	0.4191		0.44	7.1	S			
73	TM	1,3-Dichloropropane	0.2393	0.2565	0.2588	0.2183	0.2154	0.2249	0.2116	0.2138	0.2167		0.23	8.1	TM			
74	TM	Dibromochloromethane	0.1828	0.2211	0.2611	0.1958	0.2029	0.2141	0.1934	0.2021	0.2026		0.21	11	TM			
75	TM**	Chlorobenzene	0.5591	0.3707	0.4379	0.4615	0.4308	0.4525	0.4407	0.4555	0.4474		0.45	11	TM**			
76	TM*	Ethylbenzene	0.6958	0.7224	0.6768	0.7010	0.6836	0.7100	0.6709	0.7069	0.7069		0.70	2.4	TM*			
77	TM**	Bromoform	0.2000	0.2250	0.1551	0.1494	0.1700	0.1723	0.1592	0.1637	0.1568		0.17	14	TM**			
78	I	1,4-Dichlorobenzene-D (IS)																
79	TM	Isopropylbenzene	1.145	1.221	1.331	1.130	1.108	1.129	1.093	1.183	1.249		1.2	6.6	TM			
80	TM**	1,1,2,2-Tetrachloroethane	0.2846	0.2947	0.2137	0.2194	0.2380	0.2173	0.2086	0.2169	0.2191		0.23	14	TM**			
81	TM	1,2,3-Trichloropropane	0.1211	0.0708	0.0904	0.1100	0.1085	0.1010	0.0887	0.0992	0.0952		0.10	15	TM			
82	TML	t-1,4-Dichloro-2-Butene	0.0482	0.0567	0.0348	0.0851	0.0720	0.0627	0.0650	0.0608	0.0652		0.06	23	TM	0.999		
83	TM	Bromobenzene	0.4102	0.4331	0.3885	0.3528	0.4015	0.3816	0.3648	0.3911	0.3915		0.39	6.1	TM			
84	TM	n-Propylbenzene	1.589	1.377	1.223	1.256	1.252	1.205	1.144	1.266	1.324		1.3	10	TM			
85	TM	4-Ethyltoluene	1.385	1.035	1.108	1.009	1.081	1.097	1.162	1.190	1.223		1.1	10.0	TM			
86	TM	2-Chlorotoluene	0.8719	0.7160	0.9394	0.9204	0.9002	0.8897	0.7550	0.7761	0.8288		0.84	9.4	TM			
87	TM	1,3,5-Trimethylbenzene	1.156	1.109	0.8897	0.9273	0.9662	0.9770	0.9474	1.028	1.066		1.0	8.8	TM			
88	TM	4-Chlorotoluene	0.9878	0.8730	0.8990	0.8976	0.9331	0.8783	0.8891	0.9129	0.9530		0.91	4.1	TM			
89	TM	Tert-Butylbenzene	0.5118	0.5134	0.4581	0.5108	0.5187	0.5575	0.5537	0.6052	0.6421		0.54	10	TM			
90	TM	1,2,4-Trimethylbenzene		0.9776	0.9871	0.8492	0.9697	0.9709	0.9479	1.036	1.089		0.98	7.1	TM			
91	TM	Sec-Butylbenzene	1.042	1.070	0.9989	1.011	1.070	1.066	1.079	1.195	1.258		1.1	7.8	TM			
92	TM	p-Isopropyltoluene	1.088	0.8710	0.9313	0.9064	0.9721	1.046	1.034	1.128	1.220		1.0	11	TM			
93	TM	Benzyl Chloride	0.4219	0.3938	0.3581	0.3411	0.3100	0.3448	0.2950	0.3039	0.3491		0.35	12	TM			
94	TM	1,3-DCB	0.8087	0.7235	0.7092	0.6893	0.6759	0.6641	0.6208	0.6693	0.7029		0.70	7.5	TM			
95	TM	1,4-DCB	0.8237	0.7266	0.6060	0.6779	0.7142	0.6639	0.6348	0.6814	0.6966		0.69	9.0	TM			
96	TM	n-Butylbenzene	0.7560	0.5280	0.6255	0.5543	0.6105	0.6484	0.6894	0.8005			0.65	14	TM			
97	TM	1,2-DCB	0.7443	0.4996	0.6795	0.6533	0.6319	0.6155	0.6238	0.6622	0.6899		0.64	10	TM			
98	TM	Hexachloroethane	0.2260	0.2384	0.2008	0.2085	0.1747	0.1835	0.1801	0.1839	0.2072		0.20	11	TM			
99	TM	1,2-Dibromo-3-chloropropane		0.0873	0.0857	0.0842	0.0629	0.0680	0.0718	0.0754	0.0954		0.08	14	TM			
100	TML	1,2,4-Trichlorobenzene			0.3049	0.2924	0.3007	0.3391	0.3767	0.4575	0.6019		0.38	30	TM	0.990		
101	TML	Hexachlorobutadiene	0.2253	0.2612	0.2345	0.2091	0.2096	0.2240	0.2522	0.2779	0.3225		0.25	15	TM	0.996		
102	TML	Naphthalene			0.2039	0.2074	0.2440	0.2814	0.3121				0.25	19	TM	0.998		
103	TML	1,2,3-Trichlorobenzene			0.1668	0.1729	0.2472	0.2973	0.3286	0.3995			0.27	34	TM	0.993		
104																		
105																		

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M02.D Vial: 2
Acq On : 21 Jul 21 14:09 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:46 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	245112	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	207927	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	127978	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	15842	5.63	ppb		0.00
Spiked Amount 25.000			Recovery = 22.532%				
44) 1,2-DCA-D4(S)	5.85	65	9614	5.83	ppb		0.00
Spiked Amount 25.000			Recovery = 23.336%				
64) Toluene-D8(S)	7.98	98	47915	4.91	ppb		0.00
Spiked Amount 25.000			Recovery = 19.636%				
72) 4-Bromofluorobenzene(S)	10.63	95	21083	5.47	ppb		0.00
Spiked Amount 25.000			Recovery = 21.880%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.10	85	295	0.20	ppb	#	1
4) Freon 114	1.20	85	297	0.27	ppb		93
6) Vinyl chloride	1.32	62	361	0.29	ppb	#	1
8) Bromomethane	1.59	94	435	0.57	ppb	#	56
9) Chloroethane	1.62	64	469	-0.87	ppb	#	42
10) Dichlorofluoromethane	1.86	67	786	0.33	ppb		88
11) Trichlorofluoromethane	1.90	101	775	0.38	ppb		98
12) 2,2-Dichloro-1,1,1-trifluo	2.62	83	24	10.60	ppb		100
13) Acrolein	2.32	56	1614	10.93	ppb		87
14) Acetone	2.49	43	2378	6.37	ppb	#	55
16) Acetonitrile	2.80	41	1058	8.69	ppb	#	79
17) 2-propanol	2.41	45	42	97.20	ppb	#	1
18) 1,1-DCE	2.39	61	541	0.29	ppb		94
19) t-Butanol	3.21	59	733	6.53	ppb	#	49
21) Iodomethane	2.54	142	287	1.31	ppb	#	80
22) Acrylonitrile	3.47	53	70	0.17	ppb	#	18
24) Methylene chloride	2.94	84	645	0.46	ppb	#	72
25) Carbon disulfide	2.59	76	813	0.40	ppb	#	73
26) Methyl t-butyl ether (MtBE	3.33	73	1326	0.31	ppb	#	58
27) Trans-1,2-DCE	3.29	96	386	0.27	ppb	#	74
28) 3-Methylpentane	2.71	57	68	27.54	ppb	#	1
29) Diisopropyl Ether	4.11	45	977	0.26	ppb	#	63
30) 1,1-DCA	3.90	63	881	0.39	ppb	#	47
31) Vinyl Acetate	4.07	43	142	-0.54	ppb	#	78
32) Ethyl tert Butyl Ether	4.65	59	1075	0.28	ppb	#	49
33) Methylcyclopentane	4.81	56	46	0.29	ppb		100
34) MEK (2-Butanone)	4.88	43	1977	4.15	ppb	#	86
35) Cis-1,2-DCE	4.79	96	406	0.25	ppb	#	57
36) 2,2-Dichloropropane	4.76	77	704	0.30	ppb	#	61
37) Chloroform	5.25	83	1048	0.38	ppb	#	70
38) Bromochloromethane	5.11	130	212	0.20	ppb	#	73
40) 1,1,1-TCA	5.42	97	722	0.27	ppb	#	87
41) Cyclohexane	5.48	41	286	0.26	ppb	#	33
42) 1,1-Dichloropropene	5.65	75	625	0.37	ppb	#	38
43) 2,2,4-Trimethylpentane	6.03	57	537	0.18	ppb		91
45) Carbon Tetrachloride	5.63	117	625	0.29	ppb	#	55
46) Tert Amyl Methyl Ether	6.10	73	1348	0.33	ppb	#	74
47) 1,2-DCA	5.95	62	695	0.34	ppb	#	79
48) Benzene	5.90	78	1539	0.29	ppb	#	80
49) TCE	6.65	95	512	0.33	ppb	#	53

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M02.D
Acq On : 21 Jul 21 14:09
Sample : 0.3ug/L VOC STD 7/21/21
Misc : IS&S 6/4/21

Vial: 2
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 22 9:46 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.95	43	5115	6.86	ppb	#	83
51)	1,2-Dichloropropane	6.93	63	175	0.26	ppb	#	88
52)	Bromodichloromethane	7.25	83	491	0.23	ppb		77
53)	Methyl Cyclohexane	6.86	83	501	0.26	ppb	#	68
54)	Dibromomethane	7.04	93	153	0.19	ppb	#	26
55)	MIBK (methyl isobutyl ket	7.92	43	4340	4.65	ppb	#	81
57)	2-Chloroethyl vinyl ether	7.92	43	4484	4.62	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	456	0.36	ppb	#	60
59)	Toluene	8.05	91	1351	0.23	ppb	#	76
60)	Trans-1,3-Dichloropropene	8.31	75	609	0.28	ppb	#	64
62)	2-Hexanone	8.78	43	2734	4.65	ppb	#	78
65)	1,2-EDB	8.97	107	413	0.32	ppb		82
66)	Tetrachloroethene	8.61	164	429	0.42	ppb	#	70
67)	1-Chlorohexane	9.48	91	450	0.24	ppb		79
68)	1,1,1,2-Tetrachloroethane	9.57	131	445	0.26	ppb	#	32
69)	m&p-Xylene	9.72	106	1357	0.51	ppb		62
70)	o-Xylene	10.11	106	692	0.26	ppb		78
71)	Styrene	10.13	104	1198	0.27	ppb	#	88
73)	1,3-Dichloropropane	8.65	76	597	0.31	ppb		97
74)	Dibromochloromethane	8.87	129	456	0.25	ppb	#	65
75)	Chlorobenzene	9.47	112	1395	0.36	ppb	#	82
76)	Ethylbenzene	9.60	91	1736	0.26	ppb	#	55
77)	Bromoform	10.30	173	499	0.36	ppb		96
79)	Isopropylbenzene	10.48	105	1758	0.25	ppb	#	62
80)	1,1,2,2-Tetrachloroethane	10.80	83	437	-0.20	ppb	#	77
81)	1,2,3-Trichloropropane	10.84	110	186	0.33	ppb	#	16
82)	t-1,4-Dichloro-2-Butene	10.89	53	74	0.18	ppb	#	35
83)	Bromobenzene	10.77	156	630	0.28	ppb	#	48
84)	n-Propylbenzene	10.90	91	2441	0.34	ppb		96
85)	4-Ethyltoluene	11.02	105	2127	0.33	ppb		97
86)	2-Chlorotoluene	10.98	91	1339	0.26	ppb		96
87)	1,3,5-Trimethylbenzene	11.08	105	1776	0.31	ppb	#	73
88)	4-Chlorotoluene	11.08	91	1517	0.28	ppb		85
89)	Tert-Butylbenzene	11.41	119	786	0.25	ppb		93
90)	1,2,4-Trimethylbenzene	11.45	105	2282	0.41	ppb	#	57
91)	Sec-Butylbenzene	11.61	105	1601	0.26	ppb		86
92)	p-Isopropyltoluene	11.77	119	1671	0.32	ppb	#	86
93)	Benzyl Chloride	11.96	91	648	0.29	ppb	#	80
94)	1,3-DCB	11.80	146	1242	0.34	ppb	#	81
95)	1,4-DCB	11.72	146	1265	0.35	ppb		87
96)	n-Butylbenzene	12.19	91	1161	0.36	ppb	#	77
97)	1,2-DCB	12.17	146	1143	0.35	ppb	#	80
98)	Hexachloroethane	12.42	117	347	0.28	ppb	#	45
99)	1,2-Dibromo-3-chloropropan	12.94	157	72	0.20	ppb	#	12
100)	1,2,4-Trichlorobenzene	13.77	180	461	3.38	ppb	#	16
101)	Hexachlorobutadiene	13.96	225	346	1.99	ppb	#	61
102)	Naphthalene	14.02	128	616	4.07	ppb	#	88
103)	1,2,3-Trichlorobenzene	14.25	180	447	3.45	ppb	#	66

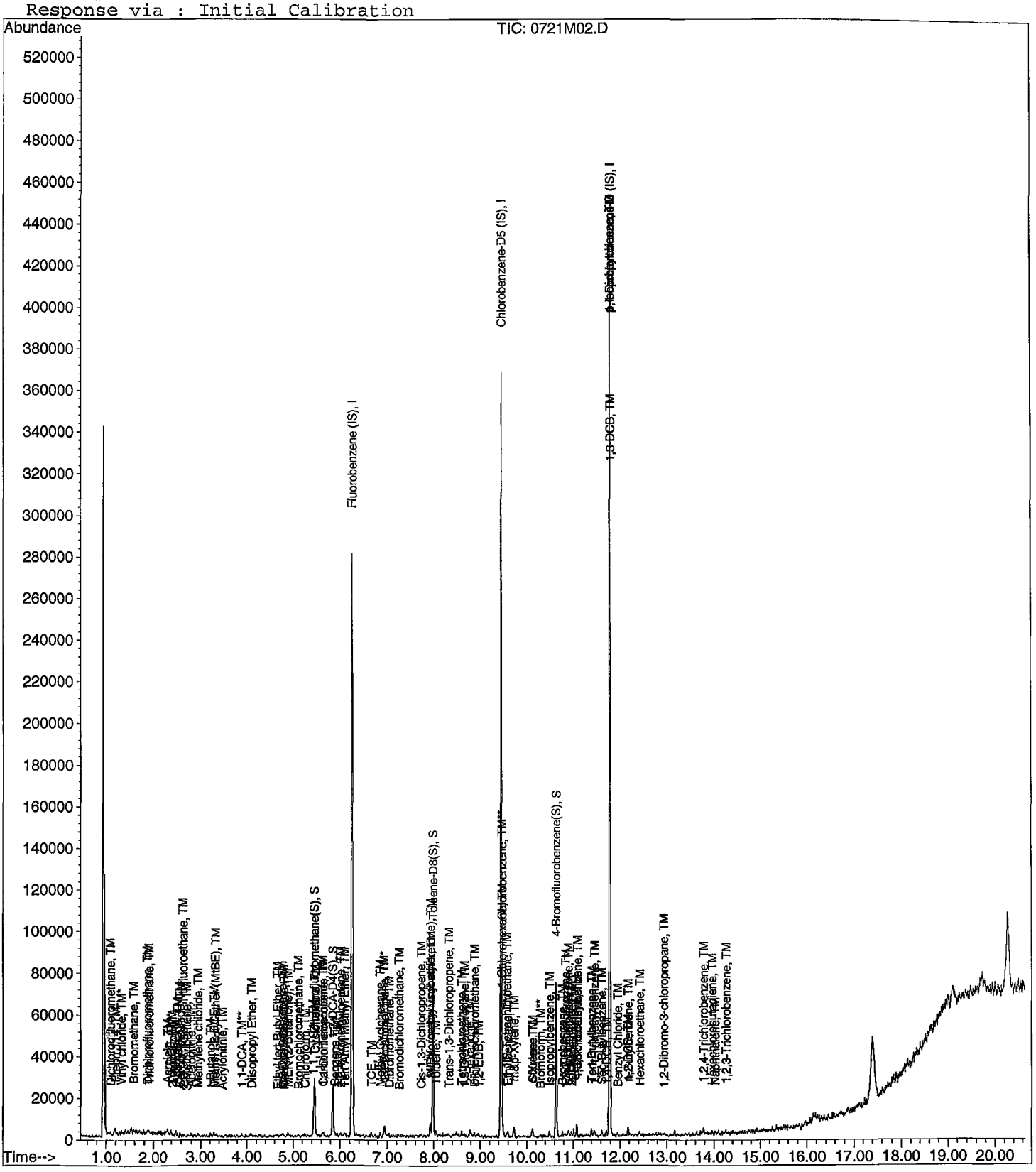
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M02.D Vial: 2
Acq On : 21 Jul 21 14:09 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:46 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M03.D Vial: 3
Acq On : 21 Jul 21 14:38 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	243074	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	204870	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	127095	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	16006	5.74	ppb		0.00
Spiked Amount 25.000			Recovery = 22.956%				
44) 1,2-DCA-D4(S)	5.85	65	9255	5.66	ppb		0.00
Spiked Amount 25.000			Recovery = 22.652%				
64) Toluene-D8(S)	7.98	98	51374	5.34	ppb		0.00
Spiked Amount 25.000			Recovery = 21.368%				
72) 4-Bromofluorobenzene(S)	10.63	95	18699	4.92	ppb		0.00
Spiked Amount 25.000			Recovery = 19.696%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.93	116	1970	10.24	ppb		91
3) Dichlorodifluoromethane	1.10	85	808	0.55	ppb	#	68
4) Freon 114	1.19	85	645	0.60	ppb		88
5) Chloromethane	1.23	50	751	0.23	ppb		97
6) Vinyl chloride	1.32	62	555	0.45	ppb	#	71
7) 2-Chloro-1,1,1-trifluoroet	0.94	118	1738	65.98	ppb	#	56
8) Bromomethane	1.59	94	401	0.53	ppb	#	76
9) Chloroethane	1.75	64	413	-0.96	ppb	#	42
10) Dichlorofluoromethane	1.86	67	1071	0.46	ppb		98
11) Trichlorofluoromethane	1.89	101	1383	0.68	ppb		95
13) Acrolein	2.31	56	4178	28.53	ppb		94
14) Acetone	2.50	43	4458	12.04	ppb	#	84
15) Freon-113	2.40	151	652	0.20	ppb		97
16) Acetonitrile	2.81	41	2906	24.06	ppb	#	79
17) 2-propanol	2.56	45	79	184.36	ppb	#	1
18) 1,1-DCE	2.39	61	982	0.54	ppb		88
19) t-Butanol	3.23	59	2417	21.70	ppb	#	86
20) Methyl Acetate	2.88	43	540	-0.32	ppb	#	50
21) Iodomethane	2.54	142	361	1.35	ppb	#	90
22) Acrylonitrile	3.44	53	45	0.11	ppb	#	18
23) 2-Methylpentane	3.15	71	25	9.80	ppb	#	1
24) Methylene chloride	2.95	84	883	0.63	ppb		92
25) Carbon disulfide	2.59	76	1041	0.51	ppb	#	73
26) Methyl t-butyl ether (MtBE	3.33	73	2297	0.55	ppb	#	58
27) Trans-1,2-DCE	3.29	96	792	0.57	ppb	#	52
28) 3-Methylpentane	2.68	57	76	31.04	ppb	#	1
29) Diisopropyl Ether	4.10	45	1875	0.50	ppb		95
30) 1,1-DCA	3.91	63	1047	0.46	ppb	#	70
31) Vinyl Acetate	4.11	43	493	-0.36	ppb	#	78
32) Ethyl tert Butyl Ether	4.65	59	1854	0.48	ppb	#	88
34) MEK (2-Butanone)	4.89	43	4690	9.93	ppb	#	85
35) Cis-1,2-DCE	4.79	96	941	0.59	ppb	#	72
36) 2,2-Dichloropropane	4.77	77	1353	0.57	ppb	#	61
37) Chloroform	5.25	83	1650	0.60	ppb		82
38) Bromochloromethane	5.10	130	516	0.50	ppb	#	84
40) 1,1,1-TCA	5.42	97	1300	0.49	ppb	#	73
41) Cyclohexane	5.47	41	425	0.40	ppb	#	39
42) 1,1-Dichloropropene	5.65	75	949	0.56	ppb	#	64
43) 2,2,4-Trimethylpentane	6.01	57	1125	0.39	ppb	#	54
45) Carbon Tetrachloride	5.64	117	1162	0.54	ppb		89

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M03.D Vial: 3
Acq On : 21 Jul 21 14:38 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
46)	Tert Amyl Methyl Ether	6.10	73	1941	0.47	ppb	#	66
47)	1,2-DCA	5.94	62	1367	0.67	ppb	#	79
48)	Benzene	5.89	78	2536	0.49	ppb	#	90
49)	TCE	6.67	95	900	0.58	ppb		79
50)	2-Pentanone	6.94	43	16745	22.66	ppb		98
51)	1,2-Dichloropropane	6.91	63	484	0.71	ppb	#	88
52)	Bromodichloromethane	7.23	83	1170	0.55	ppb		77
53)	Methyl Cyclohexane	6.85	83	749	0.39	ppb		98
54)	Dibromomethane	7.04	93	298	0.37	ppb	#	78
55)	MIBK (methyl isobutyl ket	7.93	43	9910	10.70	ppb		94
56)	1-Bromo-2-chloroethane	7.55	144	78	0.16	ppb	#	4
57)	2-Chloroethyl vinyl ether	7.93	43	10343	10.74	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.73	39	700	0.56	ppb	#	47
59)	Toluene	8.05	91	2703	0.47	ppb		100
60)	Trans-1,3-Dichloropropene	8.31	75	1229	0.58	ppb		92
61)	1,1,2-TCA	8.49	83	566	0.23	ppb		81
62)	2-Hexanone	8.78	43	6087	10.43	ppb	#	72
65)	1,2-EDB	8.96	107	768	0.60	ppb	#	53
66)	Tetrachloroethene	8.60	164	701	0.70	ppb	#	83
67)	1-Chlorohexane	9.48	91	642	0.35	ppb	#	82
68)	1,1,1,2-Tetrachloroethane	9.56	131	826	0.49	ppb	#	66
69)	m&p-Xylene	9.72	106	2568	0.99	ppb		77
70)	o-Xylene	10.11	106	1291	0.49	ppb		89
71)	Styrene	10.13	104	1986	0.46	ppb		98
73)	1,3-Dichloropropane	8.66	76	1051	0.56	ppb	#	40
74)	Dibromochloromethane	8.88	129	906	0.50	ppb	#	54
75)	Chlorobenzene	9.47	112	1519	0.39	ppb		85
76)	Ethylbenzene	9.60	91	2960	0.46	ppb		86
77)	Bromoform	10.30	173	922	0.68	ppb		87
79)	Isopropylbenzene	10.49	105	3103	0.45	ppb	#	79
81)	1,2,3-Trichloropropane	10.84	110	180	0.32	ppb		90
82)	t-1,4-Dichloro-2-Butene	10.86	53	144	0.35	ppb	#	66
83)	Bromobenzene	10.77	156	1101	0.49	ppb		100
84)	n-Propylbenzene	10.90	91	3501	0.49	ppb		88
85)	4-Ethyltoluene	11.01	105	2630	0.41	ppb		98
86)	2-Chlorotoluene	10.97	91	1820	0.35	ppb		99
87)	1,3,5-Trimethylbenzene	11.08	105	2819	0.50	ppb		99
88)	4-Chlorotoluene	11.08	91	2219	0.41	ppb		86
89)	Tert-Butylbenzene	11.40	119	1305	0.41	ppb	#	73
90)	1,2,4-Trimethylbenzene	11.45	105	2485	0.45	ppb		90
91)	Sec-Butylbenzene	11.62	105	2719	0.45	ppb		88
92)	p-Isopropyltoluene	11.77	119	2214	0.43	ppb	#	86
93)	Benzyl Chloride	11.95	91	1001	0.45	ppb	#	78
94)	1,3-DCB	11.80	146	1839	0.50	ppb	#	79
95)	1,4-DCB	11.71	146	1847	0.51	ppb	#	69
96)	n-Butylbenzene	12.18	91	1342	0.42	ppb		94
97)	1,2-DCB	12.18	146	1270	0.39	ppb	#	33
98)	Hexachloroethane	12.42	117	606	0.48	ppb	#	61
99)	1,2-Dibromo-3-chloropropan	12.97	157	222	0.61	ppb	#	12
100)	1,2,4-Trichlorobenzene	13.78	180	873	3.52	ppb	#	72
101)	Hexachlorobutadiene	13.96	225	664	2.19	ppb	#	63
102)	Naphthalene	14.02	128	575	4.06	ppb	#	84
103)	1,2,3-Trichlorobenzene	14.26	180	719	3.56	ppb		78

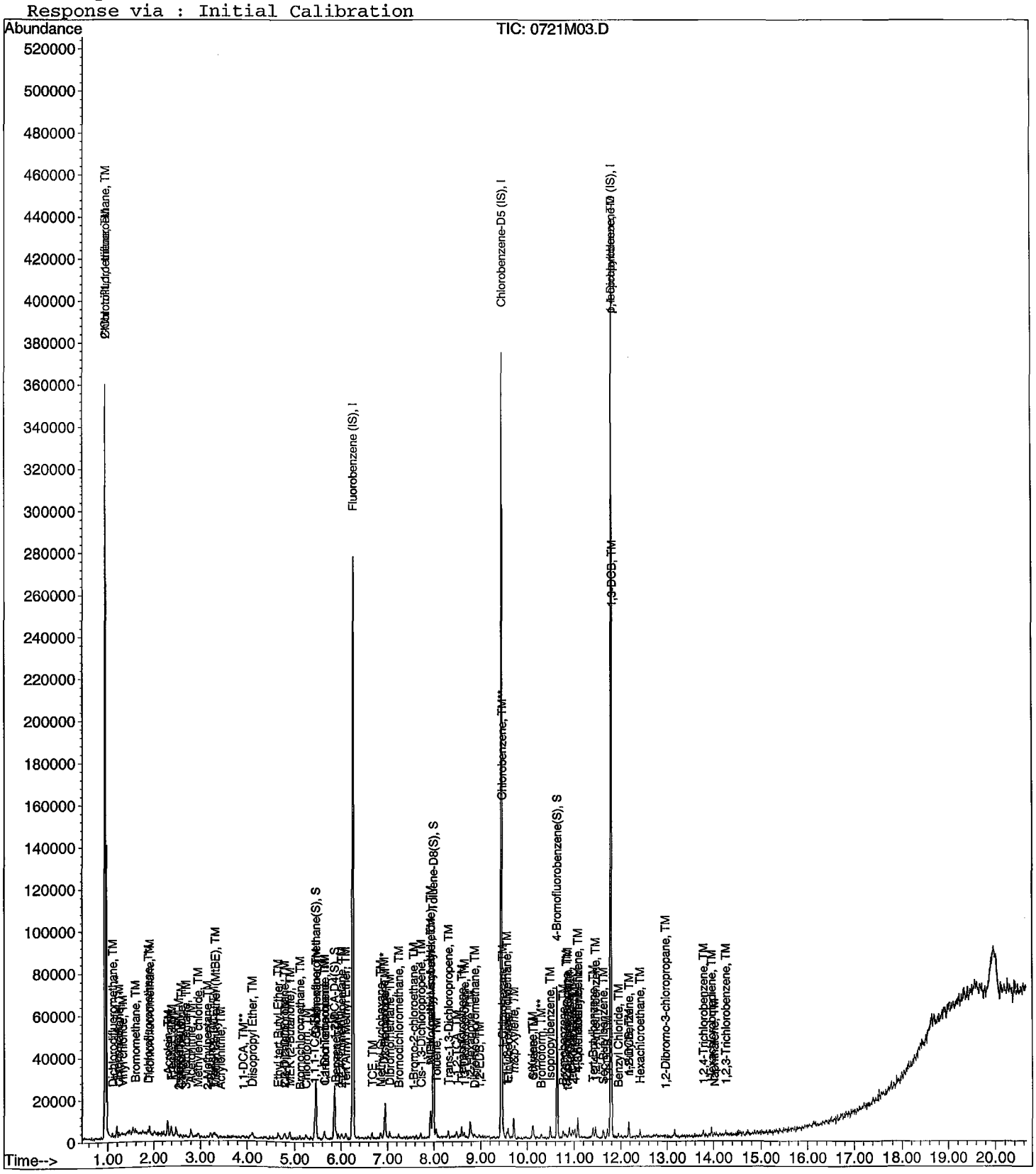
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M03.D Vial: 3
Acq On : 21 Jul 21 14:38 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M04.D Vial: 4
Acq On : 21 Jul 21 15:06 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 7/21/23 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	243073	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	206276	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	128587	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.46	111	27479	9.85	ppb		0.00
Spiked Amount 25.000			Recovery = 39.408%				
44) 1,2-DCA-D4(S)	5.85	65	17784	10.88	ppb		0.00
Spiked Amount 25.000			Recovery = 43.528%				
64) Toluene-D8(S)	7.98	98	87083	8.99	ppb		0.00
Spiked Amount 25.000			Recovery = 35.972%				
72) 4-Bromofluorobenzene(S)	10.63	95	32749	8.57	ppb		0.00
Spiked Amount 25.000			Recovery = 34.260%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.94	116	1501	7.80	ppb	#	60
3) Dichlorodifluoromethane	1.10	85	1429	0.98	ppb	#	84
4) Freon 114	1.19	85	1207	1.12	ppb		81
5) Chloromethane	1.23	50	1045	0.47	ppb		91
6) Vinyl chloride	1.32	62	1504	1.23	ppb		92
7) 2-Chloro-1,1,1-trifluoroet	0.93	118	1529	58.04	ppb	#	58
8) Bromomethane	1.59	94	808	1.07	ppb		99
9) Chloroethane	1.68	64	805	-0.31	ppb		98
10) Dichlorofluoromethane	1.87	67	2162	0.93	ppb	#	78
11) Trichlorofluoromethane	1.90	101	2493	1.22	ppb		93
12) 2,2-Dichloro-1,1,1-trifluo	2.60	83	19	8.47	ppb		100
13) Acrolein	2.32	56	8549	58.37	ppb		87
14) Acetone	2.49	43	7202	19.46	ppb		91
15) Freon-113	2.40	151	1319	0.77	ppb	#	64
16) Acetonitrile	2.80	41	5334	44.17	ppb		92
17) 2-propanol	2.51	45	22	51.34	ppb		70
18) 1,1-DCE	2.39	61	1865	1.02	ppb	#	85
19) t-Butanol	3.22	59	5663	50.84	ppb		99
20) Methyl Acetate	2.87	43	924	0.18	ppb	#	83
21) Iodomethane	2.54	142	624	1.50	ppb	#	81
22) Acrylonitrile	3.29	53	151	0.37	ppb	#	18
23) 2-Methylpentane	3.14	71	39	15.29	ppb		90
24) Methylene chloride	2.95	84	1229	0.88	ppb		85
25) Carbon disulfide	2.59	76	1981	0.97	ppb	#	79
26) Methyl t-butyl ether (MtBE	3.34	73	4146	0.99	ppb	#	64
27) Trans-1,2-DCE	3.30	96	1362	0.98	ppb		98
28) 3-Methylpentane	3.00	57	47	19.20	ppb	#	1
29) Diisopropyl Ether	4.11	45	3057	0.82	ppb		90
30) 1,1-DCA	3.90	63	2239	0.99	ppb	#	81
31) Vinyl Acetate	4.07	43	529	-0.34	ppb	#	78
32) Ethyl tert Butyl Ether	4.66	59	3233	0.83	ppb	#	83
33) Methylcyclopentane	4.65	56	47	0.30	ppb		100
34) MEK (2-Butanone)	4.88	43	8384	17.75	ppb	#	95
35) Cis-1,2-DCE	4.79	96	1226	0.77	ppb		89
36) 2,2-Dichloropropane	4.77	77	2686	1.14	ppb		94
37) Chloroform	5.25	83	2464	0.90	ppb	#	73
38) Bromochloromethane	5.10	130	1222	1.18	ppb	#	73
40) 1,1,1-TCA	5.44	97	1868	0.70	ppb	#	84
41) Cyclohexane	5.47	41	1072	1.00	ppb		71
42) 1,1-Dichloropropene	5.65	75	1713	1.02	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M04.D Vial: 4
Acq On : 21 Jul 21 15:06 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 7/21/23 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,2,4-Trimethylpentane	6.02	57	2687	0.93	ppb	#	50
45)	Carbon Tetrachloride	5.64	117	2559	1.19	ppb	#	68
46)	Tert Amyl Methyl Ether	6.10	73	3875	0.94	ppb	#	87
47)	1,2-DCA	5.94	62	2394	1.17	ppb	#	86
48)	Benzene	5.89	78	3992	0.77	ppb	#	90
49)	TCE	6.66	95	1348	0.87	ppb		83
50)	2-Pentanone	6.94	43	34192	46.27	ppb		97
51)	1,2-Dichloropropane	6.92	63	943	1.39	ppb	#	88
52)	Bromodichloromethane	7.24	83	1945	0.92	ppb		93
53)	Methyl Cyclohexane	6.85	83	1740	0.90	ppb		94
54)	Dibromomethane	7.04	93	787	0.97	ppb	#	54
55)	MIBK (methyl isobutyl ket	7.92	43	18031	19.46	ppb	#	92
56)	1-Bromo-2-chloroethane	7.54	144	339	1.10	ppb	#	49
57)	2-Chloroethyl vinyl ether	7.92	43	19605	20.36	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	1155	0.93	ppb	#	76
59)	Toluene	8.05	91	5123	0.89	ppb	#	67
60)	Trans-1,3-Dichloropropene	8.31	75	1638	0.77	ppb	#	73
61)	1,1,2-TCA	8.49	83	1074	0.79	ppb		81
62)	2-Hexanone	8.78	43	11417	19.56	ppb	#	89
65)	1,2-EDB	8.97	107	1049	0.81	ppb		98
66)	Tetrachloroethene	8.60	164	1125	1.12	ppb	#	82
67)	1-Chlorohexane	9.48	91	1532	0.84	ppb	#	63
68)	1,1,1,2-Tetrachloroethane	9.57	131	1472	0.86	ppb		86
69)	m&p-Xylene	9.72	106	4577	1.75	ppb		94
70)	o-Xylene	10.11	106	2159	0.82	ppb		66
71)	Styrene	10.13	104	3864	0.89	ppb		83
73)	1,3-Dichloropropane	8.65	76	2135	1.13	ppb		85
74)	Dibromochloromethane	8.88	129	2154	1.19	ppb		79
75)	Chlorobenzene	9.47	112	3613	0.93	ppb		97
76)	Ethylbenzene	9.60	91	5584	0.86	ppb		93
77)	Bromoform	10.30	173	1280	0.94	ppb		80
79)	Isopropylbenzene	10.49	105	6846	0.97	ppb		98
80)	1,1,2,2-Tetrachloroethane	10.81	83	1099	0.30	ppb	#	89
81)	1,2,3-Trichloropropane	10.84	110	465	0.82	ppb	#	75
82)	t-1,4-Dichloro-2-Butene	10.86	53	179	0.43	ppb		92
83)	Bromobenzene	10.77	156	1998	0.87	ppb		83
84)	n-Propylbenzene	10.90	91	6291	0.87	ppb		96
85)	4-Ethyltoluene	11.01	105	5699	0.87	ppb		95
86)	2-Chlorotoluene	10.97	91	4832	0.93	ppb		89
87)	1,3,5-Trimethylbenzene	11.08	105	4576	0.80	ppb		97
88)	4-Chlorotoluene	11.08	91	4624	0.85	ppb		93
89)	Tert-Butylbenzene	11.40	119	2356	0.74	ppb		84
90)	1,2,4-Trimethylbenzene	11.45	105	5077	0.90	ppb		94
91)	Sec-Butylbenzene	11.62	105	5138	0.84	ppb	#	82
92)	p-Isopropyltoluene	11.77	119	4790	0.93	ppb		95
93)	Benzyl Chloride	11.95	91	1842	0.81	ppb	#	89
94)	1,3-DCB	11.81	146	3648	0.98	ppb	#	86
95)	1,4-DCB	11.71	146	3117	0.86	ppb	#	81
96)	n-Butylbenzene	12.18	91	3217	0.99	ppb		82
97)	1,2-DCB	12.18	146	3495	1.05	ppb	#	80
98)	Hexachloroethane	12.42	117	1033	0.82	ppb	#	72
99)	1,2-Dibromo-3-chloropropan	12.96	157	441	1.19	ppb	#	31
100)	1,2,4-Trichlorobenzene	13.77	180	1568	3.75	ppb	#	49
101)	Hexachlorobutadiene	13.96	225	1206	2.52	ppb	#	79
102)	Naphthalene	14.02	128	1049	4.24	ppb	#	87

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M04.D Vial: 4
Acq On : 21 Jul 21 15:06 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 7/21/23 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
103) 1,2,3-Trichlorobenzene	14.26	180	858	3.62	ppb	#	78

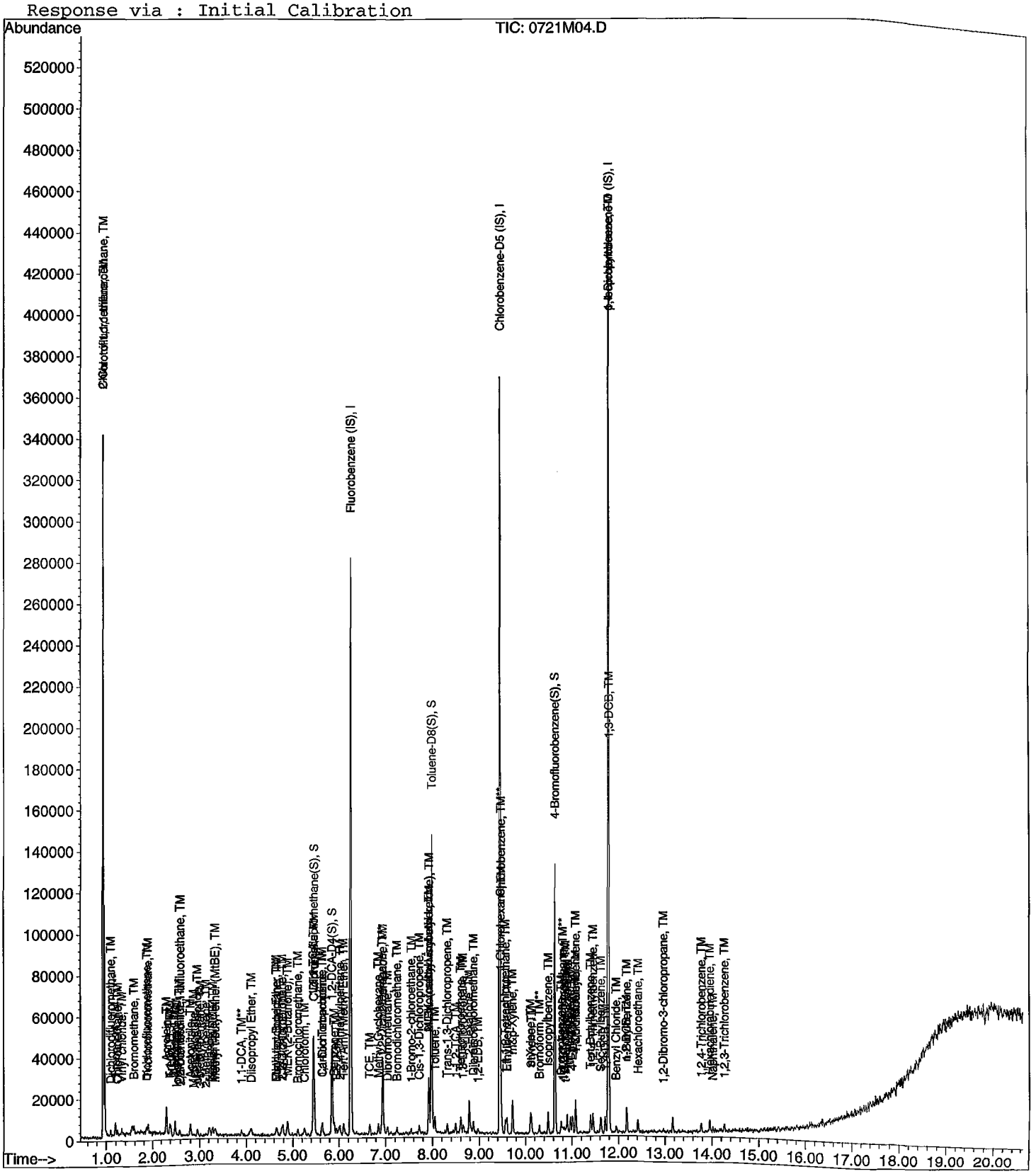
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M04.D Vial: 4
Acq On : 21 Jul 21 15:06 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 7/21/23 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	246779	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	209734	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	128358	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	27334	9.65	ppb		0.00
Spiked Amount 25.000			Recovery = 38.612%				
44) 1,2-DCA-D4(S)	5.85	65	17376	10.47	ppb		0.00
Spiked Amount 25.000			Recovery = 41.892%				
64) Toluene-D8(S)	7.98	98	88060	8.94	ppb		0.00
Spiked Amount 25.000			Recovery = 35.776%				
72) 4-Bromofluorobenzene(S)	10.63	95	34710	8.93	ppb		0.00
Spiked Amount 25.000			Recovery = 35.716%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.94	116	1030	5.28	ppb		94
3) Dichlorodifluoromethane	1.09	85	3225	2.17	ppb		88
4) Freon 114	1.19	85	2221	2.03	ppb		92
5) Chloromethane	1.23	50	2123	1.32	ppb		96
6) Vinyl chloride	1.32	62	2044	1.65	ppb		93
7) 2-Chloro-1,1,1-trifluoroet	0.94	118	1363	50.96	ppb		90
8) Bromomethane	1.59	94	1595	2.09	ppb		98
9) Chloroethane	1.68	64	1262	0.42	ppb		96
10) Dichlorofluoromethane	1.86	67	4088	1.73	ppb		96
11) Trichlorofluoromethane	1.89	101	4971	2.40	ppb		100
12) 2,2-Dichloro-1,1,1-trifluo	2.53	83	51	22.38	ppb		100
13) Acrolein	2.32	56	12142	81.66	ppb		99
14) Acetone	2.49	43	9759	25.97	ppb		100
15) Freon-113	2.40	151	2349	1.63	ppb	#	76
16) Acetonitrile	2.80	41	8439	68.83	ppb	#	89
17) 2-propanol	2.48	45	74	170.10	ppb	#	1
18) 1,1-DCE	2.39	61	3218	1.73	ppb		92
19) t-Butanol	3.22	59	7720	68.26	ppb	#	89
20) Methyl Acetate	2.87	43	1546	0.97	ppb		91
21) Iodomethane	2.53	142	1273	1.86	ppb	#	88
22) Acrylonitrile	3.30	53	607	1.45	ppb	#	58
23) 2-Methylpentane	2.99	71	20	7.72	ppb	#	1
24) Methylene chloride	2.95	84	2900	2.04	ppb	#	75
25) Carbon disulfide	2.59	76	3414	1.65	ppb	#	85
26) Methyl t-butyl ether (MtBE	3.34	73	8062	1.90	ppb		94
27) Trans-1,2-DCE	3.29	96	2582	1.82	ppb		90
28) 3-Methylpentane	2.67	57	49	19.71	ppb	#	1
29) Diisopropyl Ether	4.10	45	6231	1.64	ppb	#	89
30) 1,1-DCA	3.90	63	4075	1.78	ppb	#	90
31) Vinyl Acetate	4.08	43	2064	0.43	ppb	#	78
32) Ethyl tert Butyl Ether	4.66	59	7288	1.85	ppb		96
33) Methylcyclopentane	4.64	56	410	2.57	ppb		100
34) MEK (2-Butanone)	4.88	43	12453	25.96	ppb		94
35) Cis-1,2-DCE	4.79	96	2900	1.79	ppb		85
36) 2,2-Dichloropropane	4.77	77	4252	1.78	ppb	#	54
37) Chloroform	5.26	83	4936	1.78	ppb		95
38) Bromochloromethane	5.11	130	2170	2.07	ppb		90
40) 1,1,1-TCA	5.43	97	5119	1.89	ppb		95
41) Cyclohexane	5.47	41	1476	1.35	ppb	#	59
42) 1,1-Dichloropropene	5.65	75	3239	1.90	ppb		92

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,2,4-Trimethylpentane	6.02	57	5822	1.99	ppb	#	53
45)	Carbon Tetrachloride	5.64	117	4911	2.25	ppb		85
46)	Tert Amyl Methyl Ether	6.10	73	6983	1.68	ppb	#	89
47)	1,2-DCA	5.95	62	4519	2.17	ppb	#	72
48)	Benzene	5.90	78	9653	1.82	ppb		96
49)	TCE	6.66	95	2708	1.73	ppb		87
50)	2-Pentanone	6.94	43	47811	63.72	ppb		98
51)	1,2-Dichloropropane	6.92	63	1390	2.02	ppb	#	88
52)	Bromodichloromethane	7.24	83	3548	1.65	ppb		93
53)	Methyl Cyclohexane	6.85	83	3807	1.94	ppb		88
54)	Dibromomethane	7.04	93	1660	2.02	ppb		86
55)	MIBK (methyl isobutyl ket	7.92	43	25959	27.60	ppb		92
56)	1-Bromo-2-chloroethane	7.56	144	258	0.80	ppb	#	43
57)	2-Chloroethyl vinyl ether	7.92	43	26448	27.06	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	2199	1.74	ppb		91
59)	Toluene	8.05	91	10048	1.72	ppb		98
60)	Trans-1,3-Dichloropropene	8.31	75	3620	1.68	ppb		95
61)	1,1,2-TCA	8.49	83	1579	1.33	ppb	#	65
62)	2-Hexanone	8.78	43	15461	26.09	ppb		87
65)	1,2-EDB	8.97	107	2623	2.00	ppb	#	73
66)	Tetrachloroethene	8.60	164	2199	2.14	ppb	#	86
67)	1-Chlorohexane	9.48	91	3223	1.73	ppb		92
68)	1,1,1,2-Tetrachloroethane	9.57	131	3500	2.02	ppb		96
69)	m&p-Xylene	9.72	106	9309	3.50	ppb		98
70)	o-Xylene	10.11	106	5346	1.99	ppb		85
71)	Styrene	10.13	104	6928	1.56	ppb	#	94
73)	1,3-Dichloropropane	8.66	76	3662	1.90	ppb		92
74)	Dibromochloromethane	8.88	129	3286	1.79	ppb		90
75)	Chlorobenzene	9.47	112	7743	1.96	ppb		89
76)	Ethylbenzene	9.60	91	11762	1.78	ppb		93
77)	Bromoform	10.30	173	2507	1.81	ppb	#	80
79)	Isopropylbenzene	10.49	105	11602	1.65	ppb		97
80)	1,1,2,2-Tetrachloroethane	10.80	83	2253	1.19	ppb		99
81)	1,2,3-Trichloropropane	10.83	110	1130	2.00	ppb	#	67
82)	t-1,4-Dichloro-2-Butene	10.85	53	874	2.12	ppb		92
83)	Bromobenzene	10.77	156	3623	1.59	ppb	#	61
84)	n-Propylbenzene	10.90	91	12900	1.79	ppb		100
85)	4-Ethyltoluene	11.01	105	10365	1.59	ppb	#	79
86)	2-Chlorotoluene	10.97	91	9451	1.82	ppb		90
87)	1,3,5-Trimethylbenzene	11.08	105	9522	1.66	ppb		95
88)	4-Chlorotoluene	11.08	91	9217	1.71	ppb		94
89)	Tert-Butylbenzene	11.40	119	5245	1.64	ppb		93
90)	1,2,4-Trimethylbenzene	11.45	105	8720	1.55	ppb		93
91)	Sec-Butylbenzene	11.62	105	10382	1.70	ppb		93
92)	p-Isopropyltoluene	11.77	119	9308	1.80	ppb		94
93)	Benzyl Chloride	11.95	91	3503	1.54	ppb		96
94)	1,3-DCB	11.81	146	7078	1.90	ppb		91
95)	1,4-DCB	11.71	146	6961	1.91	ppb		96
96)	n-Butylbenzene	12.18	91	5692	1.75	ppb		87
97)	1,2-DCB	12.17	146	6708	2.02	ppb	#	85
98)	Hexachloroethane	12.42	117	2141	1.69	ppb		87
99)	1,2-Dibromo-3-chloropropan	12.96	157	865	2.35	ppb	#	80
100)	1,2,4-Trichlorobenzene	13.78	180	3003	4.24	ppb		90
101)	Hexachlorobutadiene	13.96	225	2147	3.10	ppb	#	68
102)	Naphthalene	14.02	128	2130	4.65	ppb	#	86

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
103) 1,2,3-Trichlorobenzene	14.26	180	1775	3.99	ppb	77

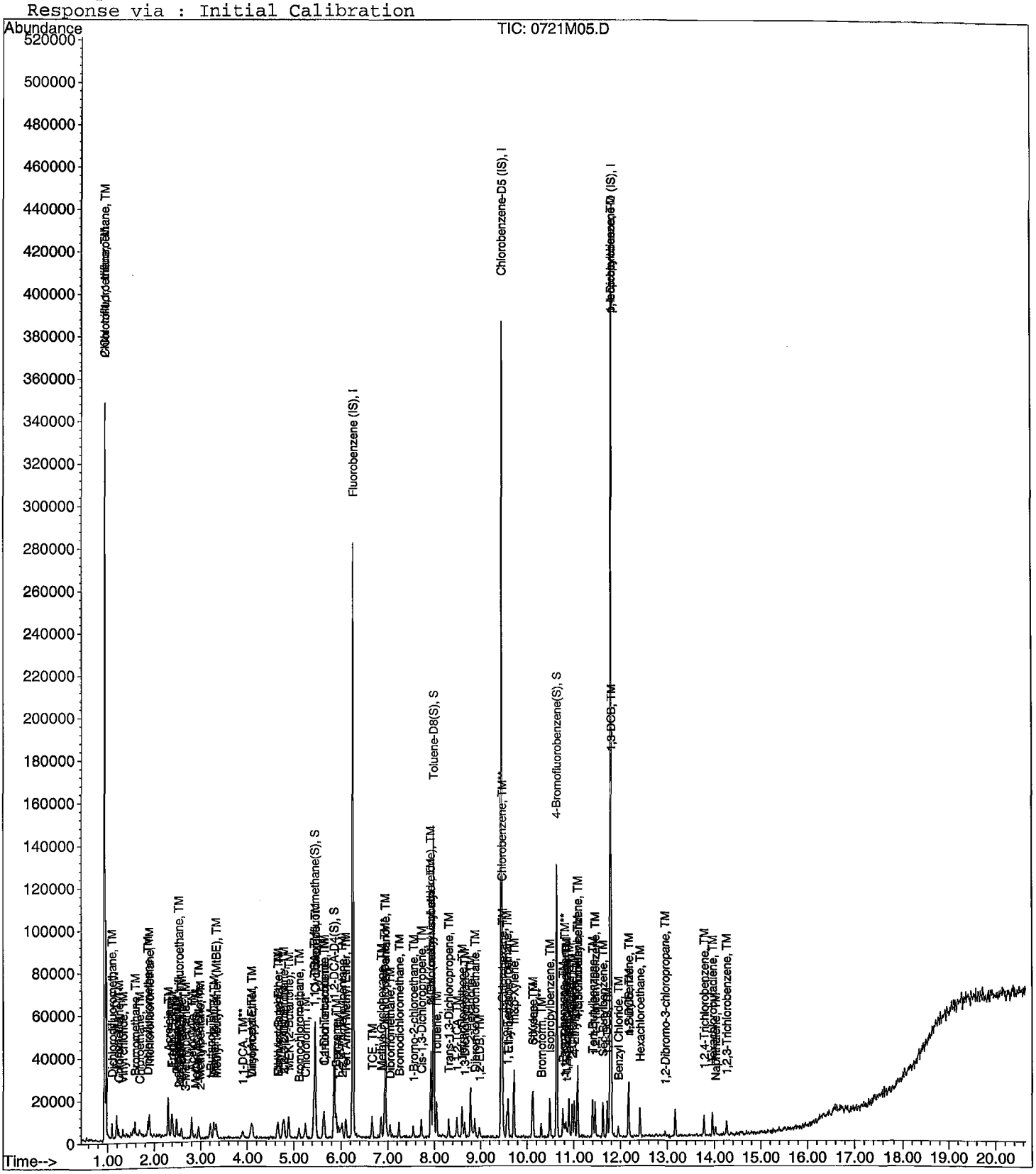
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M06.D Vial: 6
Acq On : 21 Jul 21 16:02 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 7/21/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	242894	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	204185	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	129286	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	71548	25.67	ppb		0.00
Spiked Amount 25.000			Recovery = 102.688%				
44) 1,2-DCA-D4(S)	5.85	65	45360	27.78	ppb		0.00
Spiked Amount 25.000			Recovery = 111.104%				
64) Toluene-D8(S)	7.98	98	229931	23.99	ppb		0.00
Spiked Amount 25.000			Recovery = 95.952%				
72) 4-Bromofluorobenzene(S)	10.63	95	91448	24.16	ppb		0.00
Spiked Amount 25.000			Recovery = 96.652%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.93	116	723	3.76	ppb	#	75
3) Dichlorodifluoromethane	1.10	85	4861	3.33	ppb	#	87
4) Freon 114	1.19	85	3754	3.48	ppb		97
5) Chloromethane	1.23	50	5543	4.12	ppb		99
6) Vinyl chloride	1.32	62	4527	3.71	ppb		92
7) 2-Chloro-1,1,1-trifluoroet	0.94	118	1327	50.41	ppb	#	42
8) Bromomethane	1.58	94	4098	5.45	ppb		85
9) Chloroethane	1.68	64	3048	3.40	ppb	#	86
10) Dichlorofluoromethane	1.87	67	10004	4.29	ppb		91
11) Trichlorofluoromethane	1.90	101	9848	4.83	ppb		98
13) Acrolein	2.32	56	15331	104.76	ppb		94
14) Acetone	2.49	43	13803	37.32	ppb		94
15) Freon-113	2.40	151	4432	3.45	ppb		97
16) Acetonitrile	2.80	41	10666	88.39	ppb		96
17) 2-propanol	2.52	45	22	51.38	ppb	#	46
18) 1,1-DCE	2.39	61	7709	4.21	ppb	#	82
19) t-Butanol	3.22	59	11198	100.60	ppb	#	86
20) Methyl Acetate	2.87	43	4156	4.40	ppb		87
21) Iodomethane	2.54	142	4273	3.58	ppb		82
22) Acrylonitrile	3.29	53	1700	4.13	ppb		93
23) 2-Methylpentane	2.87	71	68	26.68	ppb	#	1
24) Methylene chloride	2.95	84	5599	3.99	ppb		86
25) Carbon disulfide	2.59	76	9348	4.59	ppb		99
26) Methyl t-butyl ether (MtBE	3.34	73	18335	4.39	ppb		94
27) Trans-1,2-DCE	3.29	96	6462	4.63	ppb		88
28) 3-Methylpentane	2.68	57	98	40.05	ppb	#	1
29) Diisopropyl Ether	4.11	45	16292	4.36	ppb		93
30) 1,1-DCA	3.90	63	10785	4.79	ppb		94
31) Vinyl Acetate	4.10	43	7220	3.10	ppb	#	78
32) Ethyl tert Butyl Ether	4.65	59	19032	4.92	ppb		99
33) Methylcyclopentane	4.65	56	941	5.99	ppb		100
34) MEK (2-Butanone)	4.88	43	16427	34.80	ppb		97
35) Cis-1,2-DCE	4.79	96	7513	4.71	ppb		95
36) 2,2-Dichloropropane	4.77	77	12011	5.10	ppb	#	91
37) Chloroform	5.25	83	13345	4.88	ppb		96
38) Bromochloromethane	5.11	130	5530	5.36	ppb	#	81
40) 1,1,1-TCA	5.43	97	13000	4.87	ppb		94
41) Cyclohexane	5.48	41	3910	3.64	ppb		78
42) 1,1-Dichloropropene	5.65	75	7864	4.68	ppb		97
43) 2,2,4-Trimethylpentane	6.02	57	9125	3.17	ppb	#	85

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M06.D Vial: 6
Acq On : 21 Jul 21 16:02 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 7/21/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Carbon Tetrachloride	5.63	117	11575	5.40	ppb		89
46)	Tert Amyl Methyl Ether	6.10	73	18086	4.41	ppb		97
47)	1,2-DCA	5.95	62	11570	5.64	ppb	#	93
48)	Benzene	5.90	78	24095	4.63	ppb		91
49)	TCE	6.67	95	6590	4.27	ppb		79
50)	2-Pentanone	6.94	43	67261	91.08	ppb		97
51)	1,2-Dichloropropane	6.92	63	3305	4.89	ppb	#	67
52)	Bromodichloromethane	7.24	83	10287	4.86	ppb		97
53)	Methyl Cyclohexane	6.86	83	6766	3.49	ppb		99
54)	Dibromomethane	7.04	93	4261	5.28	ppb		94
55)	MIBK (methyl isobutyl ket	7.92	43	34334	37.08	ppb	#	92
56)	1-Bromo-2-chloroethane	7.55	144	1645	5.81	ppb	#	51
57)	2-Chloroethyl vinyl ether	7.92	43	35944	37.36	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	5759	4.63	ppb		86
59)	Toluene	8.05	91	26837	4.67	ppb		99
60)	Trans-1,3-Dichloropropene	8.31	75	9722	4.58	ppb		88
61)	1,1,2-TCA	8.49	83	4043	4.11	ppb	#	63
62)	2-Hexanone	8.78	43	22388	38.39	ppb		92
65)	1,2-EDB	8.97	107	6130	4.79	ppb		98
66)	Tetrachloroethene	8.60	164	4797	4.81	ppb		93
67)	1-Chlorohexane	9.48	91	6338	3.50	ppb		86
68)	1,1,1,2-Tetrachloroethane	9.57	131	7722	4.58	ppb		85
69)	m&p-Xylene	9.72	106	22814	8.81	ppb		95
70)	o-Xylene	10.11	106	11489	4.40	ppb		93
71)	Styrene	10.13	104	18923	4.38	ppb		97
73)	1,3-Dichloropropane	8.66	76	8797	4.69	ppb		93
74)	Dibromochloromethane	8.88	129	8287	4.63	ppb		96
75)	Chlorobenzene	9.48	112	17593	4.56	ppb		94
76)	Ethylbenzene	9.60	91	27916	4.33	ppb		94
77)	Bromoform	10.30	173	6942	5.14	ppb		98
79)	Isopropylbenzene	10.49	105	28658	4.04	ppb		92
80)	1,1,2,2-Tetrachloroethane	10.80	83	6155	4.15	ppb		90
81)	1,2,3-Trichloropropane	10.83	110	2806	4.93	ppb		98
82)	t-1,4-Dichloro-2-Butene	10.86	53	1861	4.48	ppb		92
83)	Bromobenzene	10.77	156	10382	4.52	ppb		99
84)	n-Propylbenzene	10.90	91	32363	4.45	ppb		98
85)	4-Ethyltoluene	11.01	105	27939	4.24	ppb		93
86)	2-Chlorotoluene	10.97	91	23276	4.44	ppb		92
87)	1,3,5-Trimethylbenzene	11.08	105	24984	4.33	ppb		99
88)	4-Chlorotoluene	11.08	91	24128	4.43	ppb		92
89)	Tert-Butylbenzene	11.40	119	13413	4.16	ppb		95
90)	1,2,4-Trimethylbenzene	11.45	105	25074	4.42	ppb		92
91)	Sec-Butylbenzene	11.62	105	27655	4.50	ppb		92
92)	p-Isopropyltoluene	11.77	119	25135	4.83	ppb		97
93)	Benzyl Chloride	11.95	91	8015	3.51	ppb		95
94)	1,3-DCB	11.81	146	17477	4.67	ppb		98
95)	1,4-DCB	11.71	146	18466	5.04	ppb		95
96)	n-Butylbenzene	12.18	91	15786	4.81	ppb		89
97)	1,2-DCB	12.17	146	16339	4.89	ppb		94
98)	Hexachloroethane	12.42	117	4516	3.55	ppb		85
99)	1,2-Dibromo-3-chloropropan	12.95	157	1627	4.38	ppb	#	69
100)	1,2,4-Trichlorobenzene	13.78	180	7776	5.84	ppb		98
101)	Hexachlorobutadiene	13.96	225	5419	5.08	ppb	#	68
102)	Naphthalene	14.02	128	6310	6.22	ppb		99
103)	1,2,3-Trichlorobenzene	14.26	180	6392	5.82	ppb		94

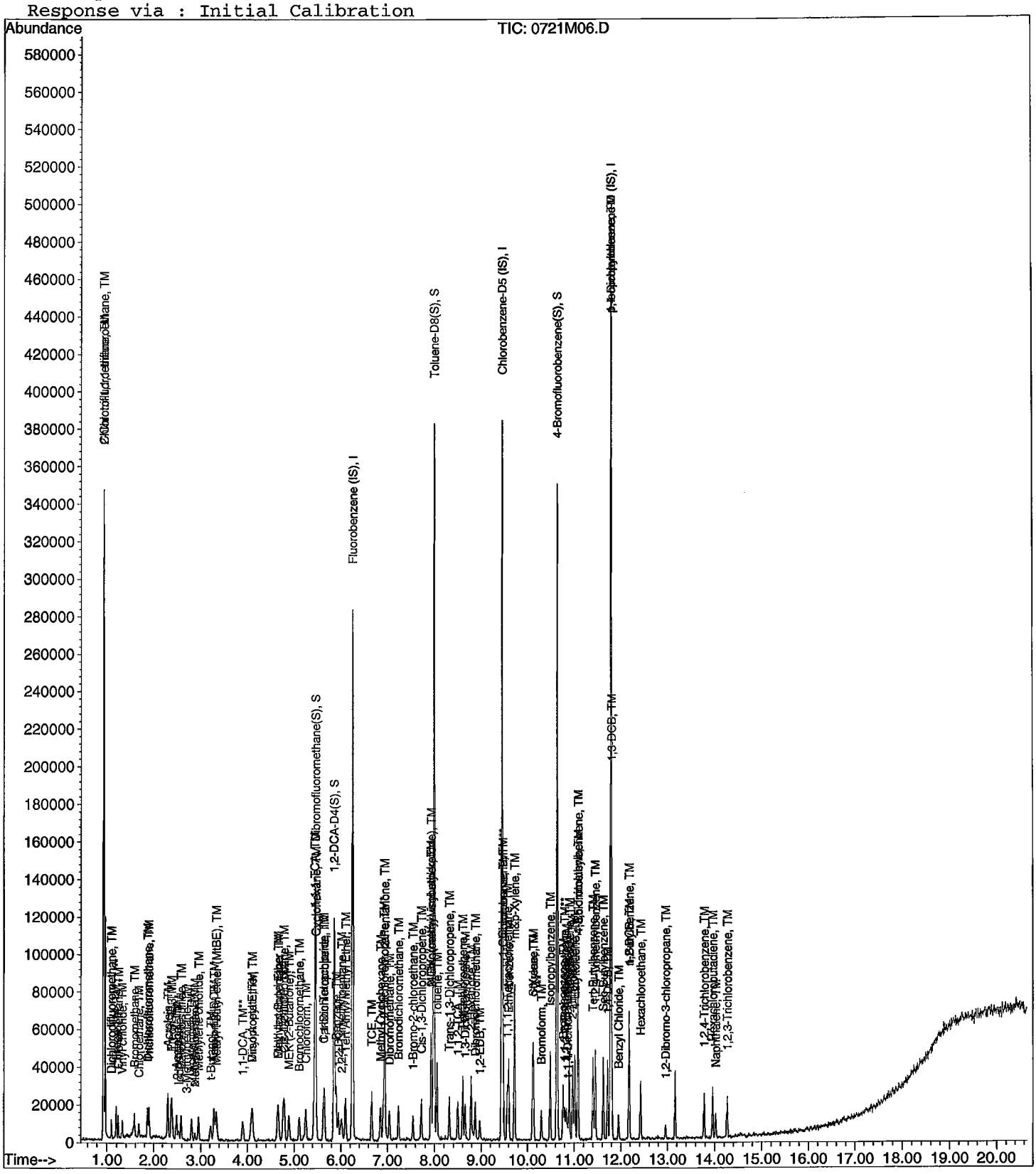
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M06.D Vial: 6
Acq On : 21 Jul 21 16:02 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 7/21/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M07.D Vial: 7
Acq On : 21 Jul 21 16:30 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	238253	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	203514	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	131221	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	73247	26.79	ppb		0.00
Spiked Amount 25.000			Recovery = 107.172%				
44) 1,2-DCA-D4(S)	5.85	65	47104	29.41	ppb		0.00
Spiked Amount 25.000			Recovery = 117.624%				
64) Toluene-D8(S)	7.98	98	230900	24.17	ppb		0.00
Spiked Amount 25.000			Recovery = 96.672%				
72) 4-Bromofluorobenzene(S)	10.63	95	91711	24.31	ppb		0.00
Spiked Amount 25.000			Recovery = 97.248%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.94	116	1885	10.00	ppb		100
3) Dichlorodifluoromethane	1.10	85	14521	10.13	ppb		100
4) Freon 114	1.19	85	9269	8.76	ppb		100
5) Chloromethane	1.23	50	10039	7.94	ppb		100
6) Vinyl chloride	1.32	62	10576	8.84	ppb		100
7) 2-Chloro-1,1,1-trifluoroet	0.94	118	1291	50.00	ppb		100
8) Bromomethane	1.58	94	6521	8.85	ppb		100
9) Chloroethane	1.68	64	5528	7.68	ppb		100
10) Dichlorofluoromethane	1.86	67	19984	8.74	ppb		100
11) Trichlorofluoromethane	1.90	101	22558	11.28	ppb		100
12) 2,2-Dichloro-1,1,1-trifluo	2.63	83	22	10.00	ppb		100
13) Acrolein	2.31	56	19925	138.80	ppb		100
14) Acetone	2.49	43	18266	50.35	ppb		100
15) Freon-113	2.40	151	11130	9.39	ppb		100
16) Acetonitrile	2.80	41	13461	113.72	ppb		100
17) 2-propanol	2.52	45	21	50.00	ppb		100
18) 1,1-DCE	2.39	61	16913	9.41	ppb		100
19) t-Butanol	3.22	59	13883	127.15	ppb		100
20) Methyl Acetate	2.87	43	7945	9.55	ppb		100
21) Iodomethane	2.54	142	10502	7.25	ppb		100
22) Acrylonitrile	3.30	53	4331	10.73	ppb		100
23) 2-Methylpentane	2.99	71	25	10.00	ppb		100
24) Methylene chloride	2.95	84	11834	8.60	ppb		100
25) Carbon disulfide	2.59	76	17544	8.79	ppb		100
26) Methyl t-butyl ether (MtBE	3.34	73	36811	8.98	ppb		100
27) Trans-1,2-DCE	3.29	96	11551	8.44	ppb		100
28) 3-Methylpentane	2.82	57	24	10.00	ppb		100
29) Diisopropyl Ether	4.11	45	30063	8.21	ppb		100
30) 1,1-DCA	3.90	63	19830	8.97	ppb		100
31) Vinyl Acetate	4.09	43	9509	4.37	ppb	#	83
32) Ethyl tert Butyl Ether	4.65	59	34661	9.13	ppb		100
33) Methylcyclopentane	4.66	56	1542	10.00	ppb		100
34) MEK (2-Butanone)	4.88	43	23282	50.28	ppb		100
35) Cis-1,2-DCE	4.79	96	14120	9.03	ppb		100
36) 2,2-Dichloropropane	4.76	77	21581	9.34	ppb		100
37) Chloroform	5.25	83	24053	8.98	ppb		100
38) Bromochloromethane	5.11	130	10385	10.25	ppb		100
40) 1,1,1-TCA	5.43	97	25213	9.63	ppb		100
41) Cyclohexane	5.48	41	8152	7.74	ppb		100
42) 1,1-Dichloropropene	5.65	75	15279	9.26	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M07.D Vial: 7
Acq On : 21 Jul 21 16:30 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,2,4-Trimethylpentane	6.02	57	23617	8.36	ppb		100
45)	Carbon Tetrachloride	5.63	117	23868	11.34	ppb		100
46)	Tert Amyl Methyl Ether	6.10	73	34350	8.54	ppb		100
47)	1,2-DCA	5.94	62	22114	10.99	ppb		100
48)	Benzene	5.90	78	45360	8.88	ppb		100
49)	TCE	6.67	95	13171	8.71	ppb		100
50)	2-Pentanone	6.94	43	87390	120.64	ppb		100
51)	1,2-Dichloropropane	6.92	63	6379	9.61	ppb		100
52)	Bromodichloromethane	7.24	83	20359	9.80	ppb		100
53)	Methyl Cyclohexane	6.86	83	14991	7.89	ppb		100
54)	Dibromomethane	7.04	93	8368	10.56	ppb		100
55)	MIBK (methyl isobutyl ket	7.92	43	45418	50.01	ppb		100
56)	1-Bromo-2-chloroethane	7.55	144	2554	9.26	ppb		100
57)	2-Chloroethyl vinyl ether	7.92	43	47188	50.00	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	11787	9.67	ppb		100
59)	Toluene	8.05	91	49388	8.76	ppb		100
60)	Trans-1,3-Dichloropropene	8.31	75	19281	9.27	ppb		100
61)	1,1,2-TCA	8.49	83	8520	9.29	ppb		100
62)	2-Hexanone	8.78	43	28418	49.67	ppb		100
65)	1,2-EDB	8.97	107	11457	8.98	ppb		100
66)	Tetrachloroethene	8.60	164	9922	9.97	ppb		100
67)	1-Chlorohexane	9.48	91	12626	6.99	ppb		100
68)	1,1,1,2-Tetrachloroethane	9.57	131	15934	9.47	ppb		100
69)	m&p-Xylene	9.72	106	44406	17.21	ppb		100
70)	o-Xylene	10.11	106	23123	8.88	ppb		100
71)	Styrene	10.13	104	38082	8.85	ppb		100
73)	1,3-Dichloropropane	8.65	76	18308	9.79	ppb		100
74)	Dibromochloromethane	8.87	129	17425	9.78	ppb		100
75)	Chlorobenzene	9.47	112	36840	9.59	ppb		100
76)	Ethylbenzene	9.60	91	57794	9.00	ppb		100
77)	Bromoform	10.30	173	14024	10.42	ppb		100
79)	Isopropylbenzene	10.48	105	59263	8.23	ppb		100
80)	1,1,2,2-Tetrachloroethane	10.80	83	11404	8.01	ppb		100
81)	1,2,3-Trichloropropane	10.83	110	5300	9.18	ppb		100
82)	t-1,4-Dichloro-2-Butene	10.86	53	3291	7.80	ppb		100
83)	Bromobenzene	10.77	156	20031	8.59	ppb		100
84)	n-Propylbenzene	10.90	91	63249	8.57	ppb		100
85)	4-Ethyltoluene	11.01	105	57604	8.62	ppb		100
86)	2-Chlorotoluene	10.97	91	46701	8.77	ppb		100
87)	1,3,5-Trimethylbenzene	11.08	105	51280	8.76	ppb		100
88)	4-Chlorotoluene	11.08	91	46103	8.35	ppb		100
89)	Tert-Butylbenzene	11.40	119	29264	8.95	ppb		100
90)	1,2,4-Trimethylbenzene	11.45	105	50962	8.85	ppb		100
91)	Sec-Butylbenzene	11.62	105	55950	8.97	ppb		100
92)	p-Isopropyltoluene	11.77	119	54893	10.40	ppb		100
93)	Benzyl Chloride	11.95	91	18097	7.80	ppb		100
94)	1,3-DCB	11.80	146	34859	9.17	ppb		100
95)	1,4-DCB	11.71	146	34847	9.37	ppb		100
96)	n-Butylbenzene	12.18	91	34035	10.21	ppb		100
97)	1,2-DCB	12.17	146	32305	9.52	ppb		100
98)	Hexachloroethane	12.42	117	9631	7.45	ppb		100
99)	1,2-Dibromo-3-chloropropan	12.96	157	3568	9.46	ppb		100
100)	1,2,4-Trichlorobenzene	13.78	180	17800	9.14	ppb		100
101)	Hexachlorobutadiene	13.96	225	11756	8.83	ppb		100
102)	Naphthalene	14.02	128	14772	9.34	ppb		100

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M07.D Vial: 7
Acq On : 21 Jul 21 16:30 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
103) 1,2,3-Trichlorobenzene	14.26	180	15605	9.41	ppb	100

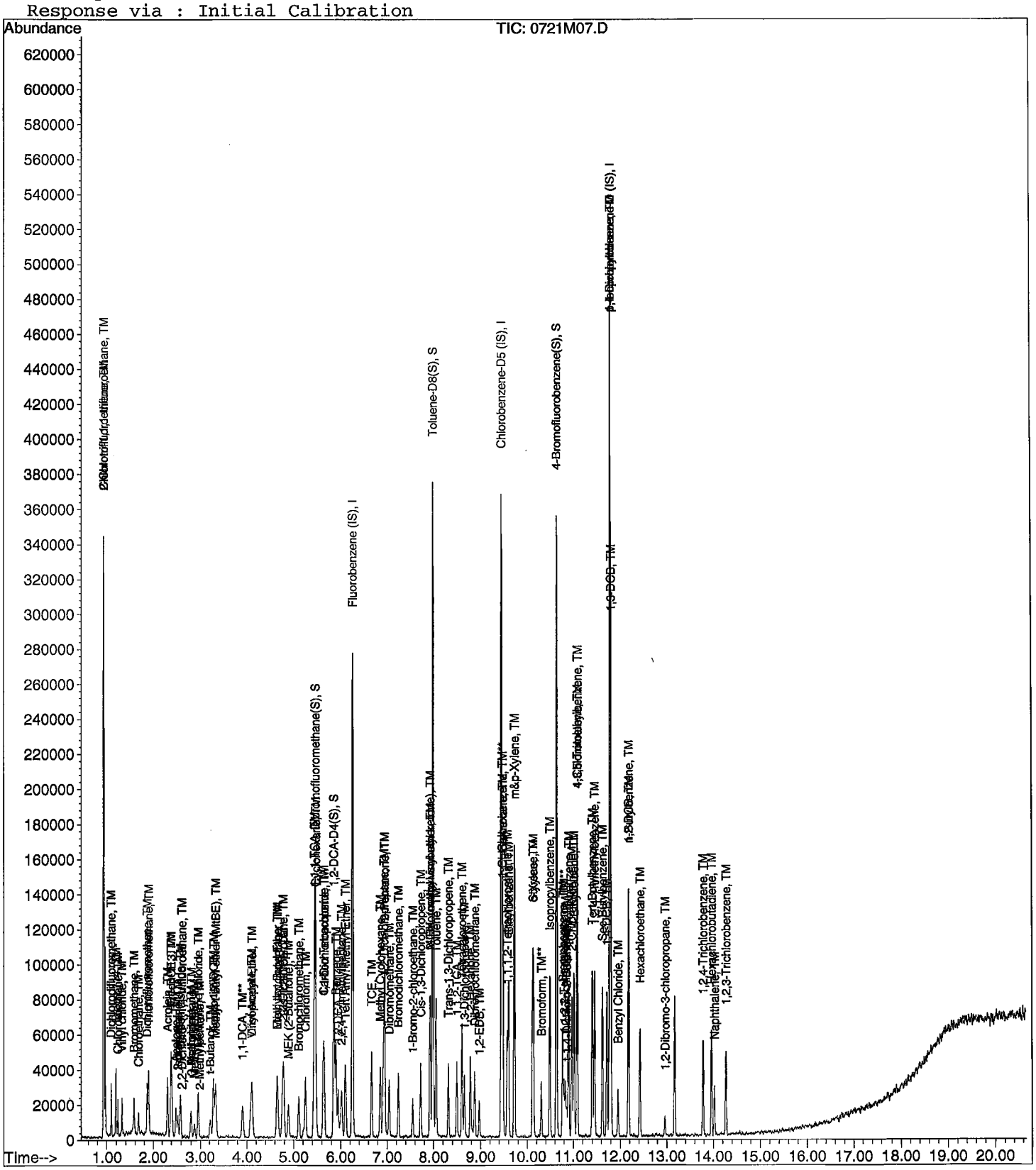
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M07.D Vial: 7
Acq On : 21 Jul 21 16:30 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M08.D Vial: 8
Acq On : 21 Jul 21 16:58 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 7/21/27 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	233519	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	202149	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	132094	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	136438	50.92	ppb		0.00
Spiked Amount 25.000			Recovery = 203.680%				
44) 1,2-DCA-D4(S)	5.85	65	91736	58.43	ppb		0.00
Spiked Amount 25.000			Recovery = 233.720%				
64) Toluene-D8(S)	7.98	98	452240	47.66	ppb		0.00
Spiked Amount 25.000			Recovery = 190.624%				
72) 4-Bromofluorobenzene(S)	10.63	95	178943	47.76	ppb		0.00
Spiked Amount 25.000			Recovery = 191.028%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.93	116	1708	9.24	ppb	#	63
3) Dichlorodifluoromethane	1.10	85	23542	16.75	ppb		90
4) Freon 114	1.19	85	21577	20.80	ppb		91
5) Chloromethane	1.23	50	20015	16.54	ppb		97
6) Vinyl chloride	1.32	62	18459	15.74	ppb		95
7) 2-Chloro-1,1,1-trifluoroet	0.94	118	815	32.20	ppb	#	26
8) Bromomethane	1.58	94	14802	20.49	ppb		98
9) Chloroethane	1.67	64	10430	16.31	ppb		93
10) Dichlorofluoromethane	1.86	67	40103	17.90	ppb		99
11) Trichlorofluoromethane	1.90	101	40168	20.50	ppb		92
12) 2,2-Dichloro-1,1,1-trifluo	2.63	83	45	20.87	ppb		100
13) Acrolein	2.31	56	23022	163.62	ppb		96
14) Acetone	2.49	43	18929	53.23	ppb		95
15) Freon-113	2.41	151	21433	18.80	ppb		90
16) Acetonitrile	2.80	41	17437	150.30	ppb	#	84
17) 2-propanol	2.56	45	169	410.54	ppb	#	1
18) 1,1-DCE	2.39	61	31831	18.07	ppb		96
19) t-Butanol	3.22	59	17531	163.82	ppb		94
20) Methyl Acetate	2.87	43	14296	18.38	ppb		99
21) Iodomethane	2.53	142	24040	15.39	ppb		92
22) Acrylonitrile	3.30	53	7440	18.80	ppb	#	89
23) 2-Methylpentane	2.96	71	44	17.96	ppb	#	69
24) Methylene chloride	2.95	84	21066	15.62	ppb		90
25) Carbon disulfide	2.59	76	37528	19.18	ppb		96
26) Methyl t-butyl ether (MtBE	3.34	73	76359	19.00	ppb		100
27) Trans-1,2-DCE	3.29	96	23541	17.55	ppb		90
28) 3-Methylpentane	2.93	57	23	9.78	ppb	#	1
29) Diisopropyl Ether	4.11	45	60236	16.78	ppb		94
30) 1,1-DCA	3.91	63	38881	17.95	ppb		94
31) Vinyl Acetate	4.10	43	20543	10.37	ppb		99
32) Ethyl tert Butyl Ether	4.65	59	69698	18.73	ppb		94
33) Methylcyclopentane	4.66	56	3648	24.14	ppb		100
34) MEK (2-Butanone)	4.88	43	26002	57.29	ppb	#	94
35) Cis-1,2-DCE	4.79	96	26827	17.51	ppb		94
36) 2,2-Dichloropropane	4.76	77	41150	18.17	ppb	#	87
37) Chloroform	5.25	83	48033	18.29	ppb		98
38) Bromochloromethane	5.11	130	19498	19.64	ppb		93
40) 1,1,1-TCA	5.43	97	46493	18.12	ppb	#	93
41) Cyclohexane	5.48	41	18024	17.47	ppb		82
42) 1,1-Dichloropropene	5.65	75	29936	18.51	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M08.D Vial: 8
Acq On : 21 Jul 21 16:58 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 7/21/27 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,2,4-Trimethylpentane	6.02	57	48743	17.61	ppb		92
45)	Carbon Tetrachloride	5.63	117	45685	22.15	ppb		94
46)	Tert Amyl Methyl Ether	6.10	73	69275	17.58	ppb	#	94
47)	1,2-DCA	5.94	62	41039	20.81	ppb		96
48)	Benzene	5.90	78	85998	17.18	ppb		96
49)	TCE	6.66	95	25824	17.42	ppb		90
50)	2-Pentanone	6.94	43	101701	143.24	ppb		97
51)	1,2-Dichloropropane	6.92	63	10526	16.18	ppb	#	92
52)	Bromodichloromethane	7.24	83	37611	18.46	ppb		93
53)	Methyl Cyclohexane	6.85	83	31999	17.19	ppb		99
54)	Dibromomethane	7.04	93	14870	19.15	ppb		95
55)	MIBK (methyl isobutyl ket	7.92	43	51770	58.16	ppb		92
56)	1-Bromo-2-chloroethane	7.55	144	5462	20.36	ppb	#	69
57)	2-Chloroethyl vinyl ether	7.92	43	53448	57.78	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	22106	18.50	ppb	#	78
59)	Toluene	8.05	91	95940	17.36	ppb		99
60)	Trans-1,3-Dichloropropene	8.31	75	35454	17.38	ppb		97
61)	1,1,2-TCA	8.49	83	15745	17.88	ppb		73
62)	2-Hexanone	8.78	43	33125	59.08	ppb		98
65)	1,2-EDB	8.97	107	22866	18.05	ppb		95
66)	Tetrachloroethene	8.60	164	20096	20.34	ppb		96
67)	1-Chlorohexane	9.48	91	26811	14.95	ppb		95
68)	1,1,1,2-Tetrachloroethane	9.57	131	31545	18.88	ppb		89
69)	m&p-Xylene	9.72	106	90061	35.14	ppb		99
70)	o-Xylene	10.11	106	45641	17.64	ppb		97
71)	Styrene	10.13	104	73766	17.25	ppb		94
73)	1,3-Dichloropropane	8.66	76	34214	18.43	ppb		98
74)	Dibromochloromethane	8.88	129	31269	17.66	ppb		95
75)	Chlorobenzene	9.47	112	71268	18.67	ppb		98
76)	Ethylbenzene	9.60	91	108490	17.00	ppb		95
77)	Bromoform	10.30	173	25739	19.26	ppb		89
79)	Isopropylbenzene	10.48	105	115474	15.94	ppb		100
80)	1,1,2,2-Tetrachloroethane	10.80	83	22044	15.88	ppb		96
81)	1,2,3-Trichloropropane	10.83	110	9377	16.13	ppb		96
82)	t-1,4-Dichloro-2-Butene	10.86	53	6867	16.17	ppb	#	70
83)	Bromobenzene	10.77	156	38552	16.42	ppb		97
84)	n-Propylbenzene	10.90	91	120891	16.28	ppb		94
85)	4-Ethyltoluene	11.01	105	122835	18.26	ppb		97
86)	2-Chlorotoluene	10.97	91	79783	14.89	ppb		93
87)	1,3,5-Trimethylbenzene	11.08	105	100115	17.00	ppb		97
88)	4-Chlorotoluene	11.08	91	93957	16.90	ppb		95
89)	Tert-Butylbenzene	11.40	119	58512	17.77	ppb		97
90)	1,2,4-Trimethylbenzene	11.45	105	100172	17.27	ppb		99
91)	Sec-Butylbenzene	11.62	105	114027	18.16	ppb		98
92)	p-Isopropyltoluene	11.77	119	109229	20.56	ppb		98
93)	Benzyl Chloride	11.95	91	31169	13.34	ppb		98
94)	1,3-DCB	11.80	146	65600	17.15	ppb		97
95)	1,4-DCB	11.71	146	67083	17.93	ppb		96
96)	n-Butylbenzene	12.18	91	72853	21.72	ppb		94
97)	1,2-DCB	12.17	146	65916	19.31	ppb		97
98)	Hexachloroethane	12.42	117	19030	14.62	ppb		89
99)	1,2-Dibromo-3-chloropropan	12.96	157	7588	19.99	ppb		94
100)	1,2,4-Trichlorobenzene	13.78	180	39808	16.36	ppb		96
101)	Hexachlorobutadiene	13.96	225	26654	17.66	ppb		78
102)	Naphthalene	14.02	128	32976	16.03	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M08.D Vial: 8
Acq On : 21 Jul 21 16:58 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 7/21/27 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Compound	R.T.	QIon	Response	Conc	Unit	Qvalue
103) 1,2,3-Trichlorobenzene	14.26	180	34725	16.84	ppb	97

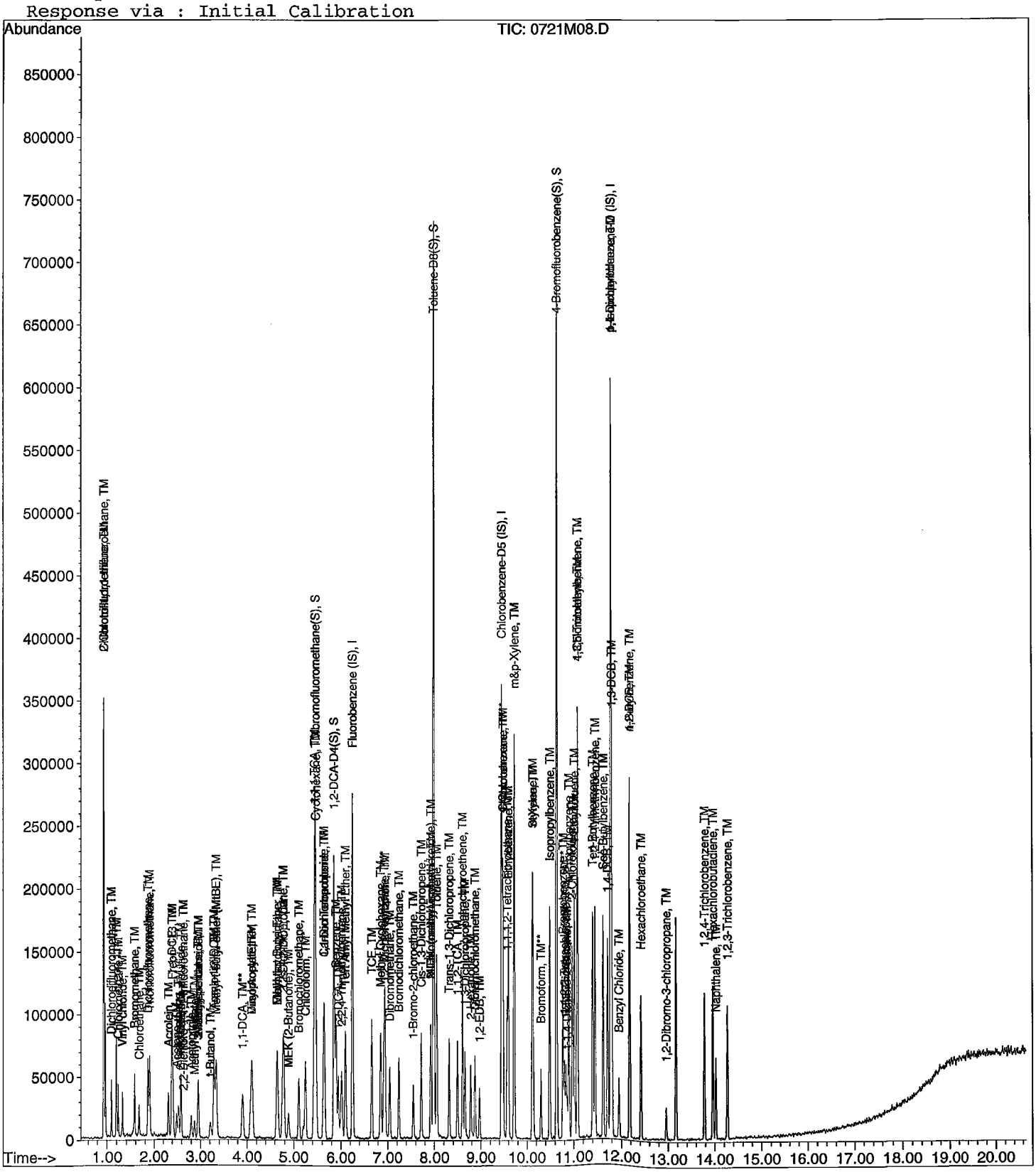
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M08.D Vial: 8
Acq On : 21 Jul 21 16:58 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 7/21/27 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M09.D Vial: 9
Acq On : 21 Jul 21 17:26 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 7/21/28 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	242477	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	213303	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	133901	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	147976	53.19	ppb		0.00
Spiked Amount 25.000			Recovery = 212.744%				
44) 1,2-DCA-D4(S)	5.85	65	97360	59.72	ppb		0.00
Spiked Amount 25.000			Recovery = 238.884%				
64) Toluene-D8(S)	7.98	98	475343	47.47	ppb		0.00
Spiked Amount 25.000			Recovery = 189.884%				
72) 4-Bromofluorobenzene(S)	10.63	95	189396	47.90	ppb		0.00
Spiked Amount 25.000			Recovery = 191.616%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.93	116	1891	9.86	ppb	#	80
3) Dichlorodifluoromethane	1.10	85	58780	40.28	ppb		96
4) Freon 114	1.19	85	43619	40.49	ppb		95
5) Chloromethane	1.23	50	41486	33.39	ppb		99
6) Vinyl chloride	1.32	62	42347	34.77	ppb		96
7) 2-Chloro-1,1,1-trifluoroet	0.93	118	1587	60.39	ppb	#	60
8) Bromomethane	1.58	94	28848	38.46	ppb		99
9) Chloroethane	1.67	64	20207	31.84	ppb		94
10) Dichlorofluoromethane	1.86	67	82895	35.64	ppb		96
11) Trichlorofluoromethane	1.89	101	91750	45.10	ppb		93
12) 2,2-Dichloro-1,1,1-trifluo	2.52	83	61	27.24	ppb		100
13) Acrolein	2.32	56	27057	185.20	ppb		98
14) Acetone	2.49	43	26387	71.46	ppb		97
15) Freon-113	2.40	151	44779	38.18	ppb		92
16) Acetonitrile	2.80	41	21287	176.71	ppb		88
17) 2-propanol	2.54	45	23	53.81	ppb	#	1
18) 1,1-DCE	2.39	61	68252	37.32	ppb		94
19) t-Butanol	3.21	59	21949	197.52	ppb		96
20) Methyl Acetate	2.87	43	28503	36.24	ppb		90
21) Iodomethane	2.54	142	58242	34.39	ppb		90
22) Acrylonitrile	3.30	53	15697	38.20	ppb		96
23) 2-Methylpentane	3.14	71	20	7.86	ppb	#	1
24) Methylene chloride	2.95	84	45490	32.49	ppb		94
25) Carbon disulfide	2.59	76	74592	36.71	ppb		98
26) Methyl t-butyl ether (MtBE	3.34	73	157537	37.75	ppb		97
27) Trans-1,2-DCE	3.29	96	53482	38.40	ppb		89
28) 3-Methylpentane	2.73	57	24	9.83	ppb	#	1
29) Diisopropyl Ether	4.10	45	126333	33.90	ppb		100
30) 1,1-DCA	3.90	63	86971	38.66	ppb		93
31) Vinyl Acetate	4.08	43	34592	17.20	ppb	#	76
32) Ethyl tert Butyl Ether	4.65	59	147747	38.23	ppb		95
33) Methylcyclopentane	4.65	56	6684	42.59	ppb		100
34) MEK (2-Butanone)	4.88	43	34193	72.55	ppb		99
35) Cis-1,2-DCE	4.79	96	57578	36.19	ppb		81
36) 2,2-Dichloropropane	4.76	77	86639	36.83	ppb		93
37) Chloroform	5.25	83	101200	37.11	ppb		90
38) Bromochloromethane	5.11	130	42411	41.14	ppb		96
40) 1,1,1-TCA	5.43	97	106688	40.04	ppb		94
41) Cyclohexane	5.47	41	37816	35.29	ppb		76
42) 1,1-Dichloropropene	5.65	75	64778	38.58	ppb		94

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M09.D Vial: 9
Acq On : 21 Jul 21 17:26 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 7/21/28 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
43)	2,2,4-Trimethylpentane	6.02	57	97642	33.97	ppb		88
45)	Carbon Tetrachloride	5.63	117	96475	45.04	ppb		100
46)	Tert Amyl Methyl Ether	6.10	73	137212	33.54	ppb	#	97
47)	1,2-DCA	5.94	62	91061	44.48	ppb		99
48)	Benzene	5.89	78	192339	37.00	ppb		98
49)	TCE	6.67	95	55905	36.32	ppb		98
50)	2-Pentanone	6.94	43	121500	164.81	ppb		98
51)	1,2-Dichloropropane	6.92	63	24536	36.33	ppb	#	84
52)	Bromodichloromethane	7.24	83	84189	39.80	ppb		93
53)	Methyl Cyclohexane	6.86	83	69799	36.11	ppb		91
54)	Dibromomethane	7.04	93	32640	40.49	ppb		88
55)	MIBK (methyl isobutyl ket	7.92	43	71118	76.95	ppb		95
56)	1-Bromo-2-chloroethane	7.55	144	12186	43.88	ppb		80
57)	2-Chloroethyl vinyl ether	7.92	43	71201	74.13	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	46277	37.29	ppb		85
59)	Toluene	8.05	91	208932	36.41	ppb		96
60)	Trans-1,3-Dichloropropene	8.31	75	76619	36.18	ppb		99
61)	1,1,2-TCA	8.49	83	33665	37.25	ppb		86
62)	2-Hexanone	8.78	43	46318	79.55	ppb	#	86
65)	1,2-EDB	8.97	107	49452	37.00	ppb		99
66)	Tetrachloroethene	8.60	164	42808	41.06	ppb		98
67)	1-Chlorohexane	9.48	91	54222	28.65	ppb		95
68)	1,1,1,2-Tetrachloroethane	9.57	131	66347	37.63	ppb		98
69)	m&p-Xylene	9.72	106	198581	73.43	ppb		95
70)	o-Xylene	10.11	106	99137	36.32	ppb		95
71)	Styrene	10.13	104	163042	36.14	ppb		95
73)	1,3-Dichloropropane	8.65	76	72955	37.24	ppb		94
74)	Dibromochloromethane	8.87	129	68971	36.92	ppb		98
75)	Chlorobenzene	9.47	112	155451	38.59	ppb		98
76)	Ethylbenzene	9.60	91	241245	35.83	ppb		93
77)	Bromoform	10.30	173	55871	39.61	ppb		94
79)	Isopropylbenzene	10.48	105	253522	34.52	ppb		96
80)	1,1,2,2-Tetrachloroethane	10.80	83	46467	33.61	ppb		95
81)	1,2,3-Trichloropropane	10.83	110	21259	36.08	ppb		98
82)	t-1,4-Dichloro-2-Butene	10.86	53	13028	30.27	ppb	#	47
83)	Bromobenzene	10.77	156	83780	35.19	ppb		95
84)	n-Propylbenzene	10.90	91	271138	36.02	ppb		92
85)	4-Ethyltoluene	11.01	105	254929	37.39	ppb		95
86)	2-Chlorotoluene	10.97	91	166281	30.62	ppb		98
87)	1,3,5-Trimethylbenzene	11.08	105	220146	36.87	ppb		98
88)	4-Chlorotoluene	11.08	91	195576	34.71	ppb		93
89)	Tert-Butylbenzene	11.40	119	129664	38.85	ppb		96
90)	1,2,4-Trimethylbenzene	11.45	105	221889	37.74	ppb		97
91)	Sec-Butylbenzene	11.62	105	256029	40.22	ppb		98
92)	p-Isopropyltoluene	11.77	119	241725	44.88	ppb		100
93)	Benzyl Chloride	11.95	91	65105	27.49	ppb		95
94)	1,3-DCB	11.80	146	143397	36.99	ppb		98
95)	1,4-DCB	11.71	146	145993	38.49	ppb		98
96)	n-Butylbenzene	12.18	91	171491	50.43	ppb		96
97)	1,2-DCB	12.17	146	141869	40.99	ppb		96
98)	Hexachloroethane	12.42	117	39409	29.87	ppb		97
99)	1,2-Dibromo-3-chloropropan	12.96	157	16151	41.98	ppb		98
100)	1,2,4-Trichlorobenzene	13.78	180	98015	35.14	ppb		96
101)	Hexachlorobutadiene	13.96	225	59545	36.78	ppb		79
102)	Naphthalene	14.02	128	87448	35.74	ppb		99

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M09.D Vial: 9
Acq On : 21 Jul 21 17:26 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 7/21/28 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
103) 1,2,3-Trichlorobenzene	14.26	180	85592	36.26 ppb	90

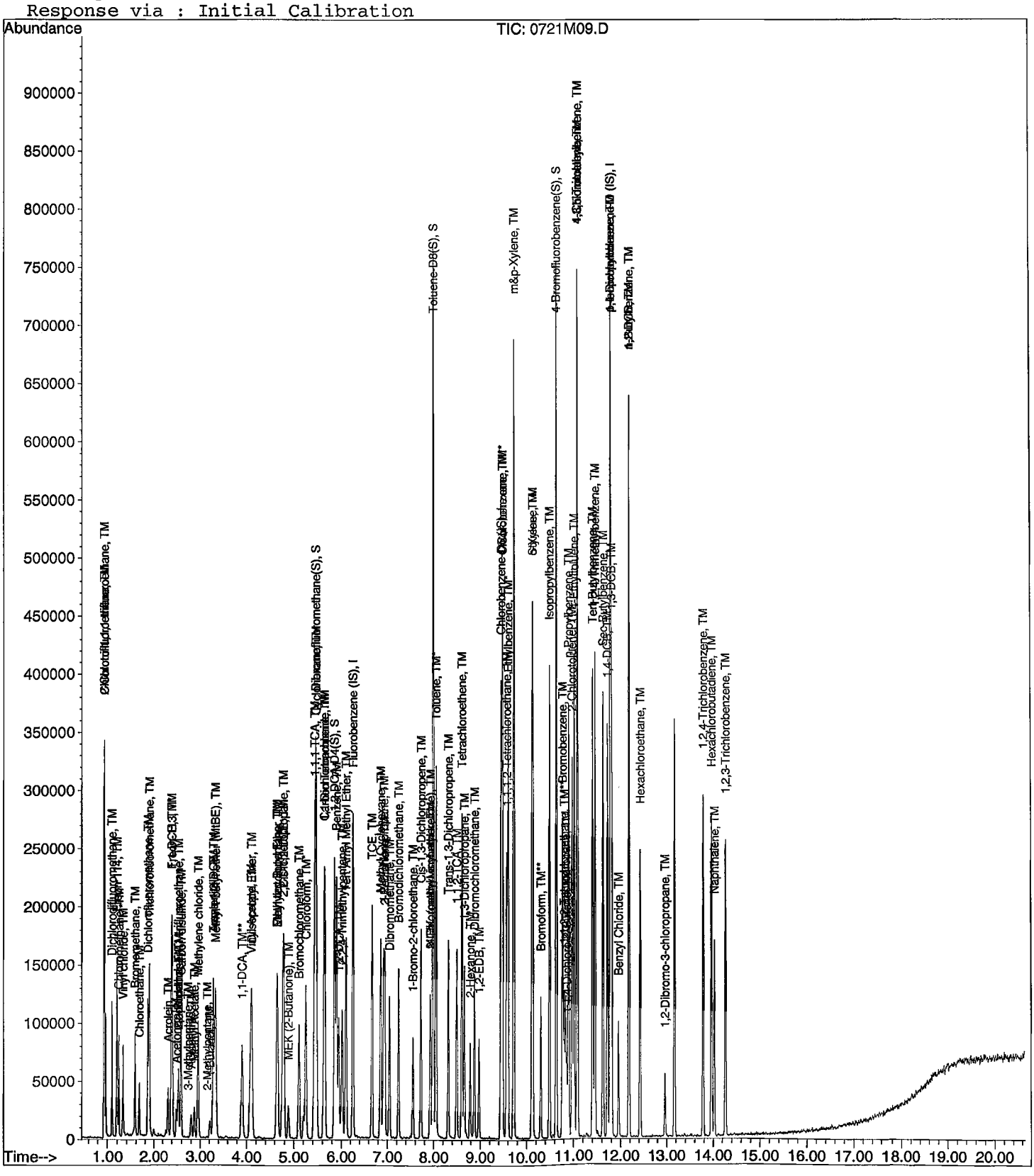
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M09.D Vial: 9
Acq On : 21 Jul 21 17:26 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 7/21/28 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M10.D Vial: 10
Acq On : 21 Jul 21 17:54 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 7/21/29 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	239457	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	208115	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	125519	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	268952	97.89	ppb		0.00
Spiked Amount 25.000			Recovery = 391.548%				
44) 1,2-DCA-D4(S)	5.85	65	173632	107.85	ppb		0.00
Spiked Amount 25.000			Recovery = 431.400%				
64) Toluene-D8(S)	7.98	98	878190	89.89	ppb		0.00
Spiked Amount 25.000			Recovery = 359.552%				
72) 4-Bromofluorobenzene(S)	10.63	95	348917	90.45	ppb		0.00
Spiked Amount 25.000			Recovery = 361.804%				
Target Compounds							Qvalue
2) Chlorotrifluoroethene	0.93	116	1691	8.93	ppb		94
3) Dichlorodifluoromethane	1.10	85	143397	99.50	ppb		93
4) Freon 114	1.19	85	100569	94.54	ppb		95
5) Chloromethane	1.23	50	106997	87.82	ppb		98
6) Vinyl chloride	1.32	62	110944	92.23	ppb		97
7) 2-Chloro-1,1,1-trifluoroet	0.93	118	1034	39.85	ppb	#	70
8) Bromomethane	1.58	94	70640	95.35	ppb		100
9) Chloroethane	1.67	64	52510	86.47	ppb		100
10) Dichlorofluoromethane	1.86	67	208782	90.90	ppb		94
11) Trichlorofluoromethane	1.89	101	235031	116.98	ppb		99
12) 2,2-Dichloro-1,1,1-trifluo	2.57	83	46	20.80	ppb		100
13) Acrolein	2.32	56	31411	217.71	ppb		93
14) Acetone	2.50	43	32784	89.91	ppb		95
15) Freon-113	2.40	151	106655	92.60	ppb		95
16) Acetonitrile	2.80	41	21289	178.95	ppb	#	91
17) 2-propanol	2.53	45	116	274.80	ppb	#	9
18) 1,1-DCE	2.39	61	170329	94.30	ppb		97
19) t-Butanol	3.23	59	26912	245.24	ppb		94
20) Methyl Acetate	2.87	43	75233	98.56	ppb		99
21) Iodomethane	2.53	142	154477	90.42	ppb		89
22) Acrylonitrile	3.30	53	38680	95.31	ppb		98
24) Methylene chloride	2.95	84	111547	80.67	ppb		93
25) Carbon disulfide	2.59	76	177600	88.51	ppb		97
26) Methyl t-butyl ether (MtBE	3.34	73	379853	92.17	ppb		99
27) Trans-1,2-DCE	3.29	96	130874	95.14	ppb		93
28) 3-Methylpentane	2.96	57	113	46.85	ppb	#	1
29) Diisopropyl Ether	4.11	45	317517	86.27	ppb		97
30) 1,1-DCA	3.90	63	213180	95.96	ppb		92
31) Vinyl Acetate	4.09	43	111548	57.54	ppb	#	92
32) Ethyl tert Butyl Ether	4.65	59	359550	94.21	ppb		93
33) Methylcyclopentane	4.65	56	14830	95.69	ppb	#	100
34) MEK (2-Butanone)	4.88	43	40438	86.89	ppb	#	90
35) Cis-1,2-DCE	4.79	96	141664	90.16	ppb		85
36) 2,2-Dichloropropane	4.76	77	216363	93.14	ppb		93
37) Chloroform	5.25	83	252382	93.71	ppb		95
38) Bromochloromethane	5.11	130	107306	105.40	ppb		95
40) 1,1,1-TCA	5.43	97	251350	95.52	ppb	#	94
41) Cyclohexane	5.47	41	86312	81.56	ppb		91
42) 1,1-Dichloropropene	5.65	75	154525	93.20	ppb		95
43) 2,2,4-Trimethylpentane	6.02	57	241777	85.17	ppb	#	86

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M10.D Vial: 10
Acq On : 21 Jul 21 17:54 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 7/21/29 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 09:38:38 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

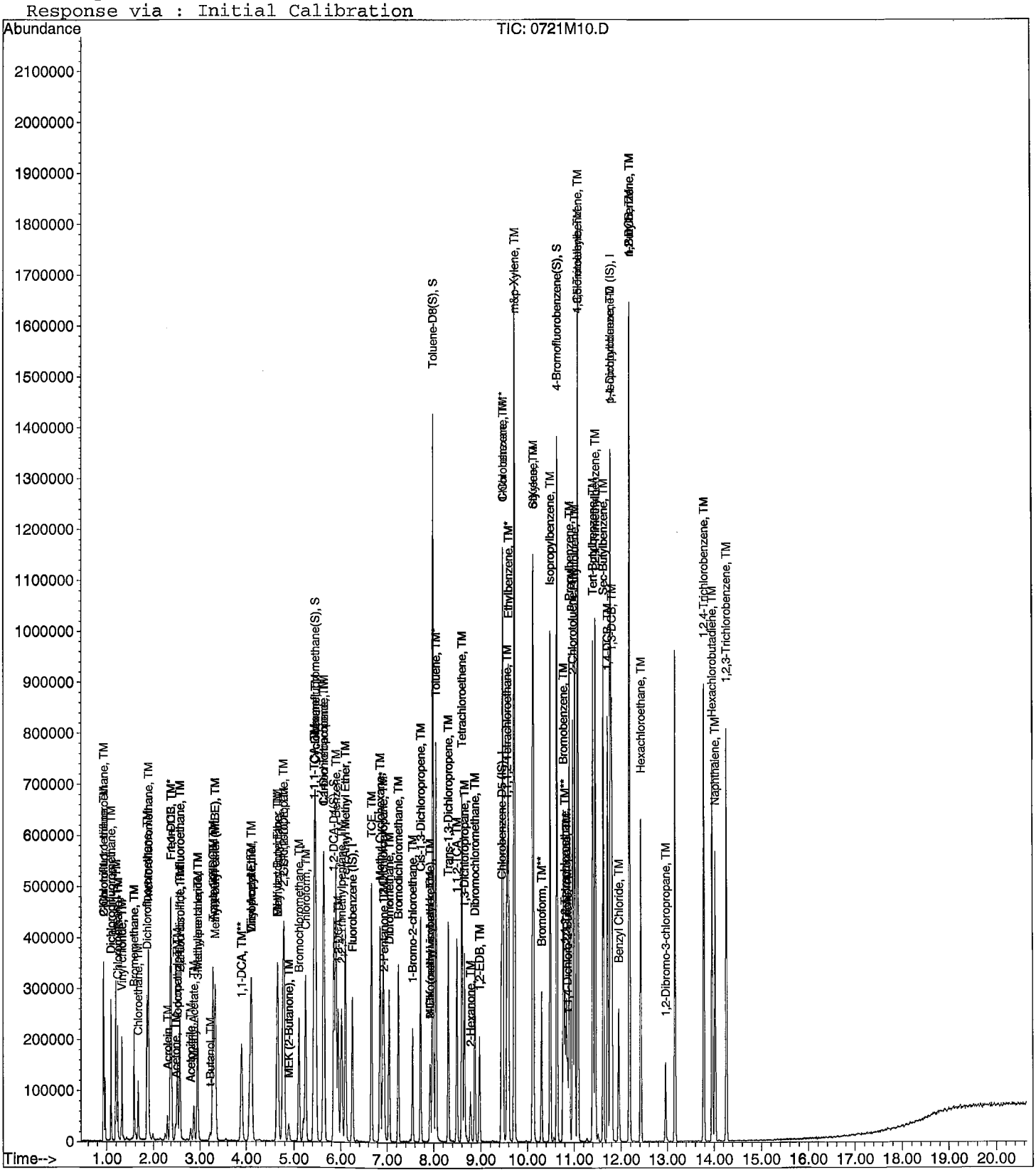
	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
45)	Carbon Tetrachloride	5.63	117	233728	110.51	ppb		96
46)	Tert Amyl Methyl Ether	6.10	73	340067	84.17	ppb		99
47)	1,2-DCA	5.94	62	218751	108.20	ppb		97
48)	Benzene	5.90	78	469399	91.43	ppb		96
49)	TCE	6.67	95	137709	90.59	ppb		95
50)	2-Pentanone	6.94	43	129879	178.40	ppb		98
51)	1,2-Dichloropropane	6.92	63	61496	92.21	ppb	#	92
52)	Bromodichloromethane	7.24	83	201248	96.35	ppb		94
53)	Methyl Cyclohexane	6.85	83	169556	88.82	ppb		95
54)	Dibromomethane	7.04	93	79934	100.41	ppb		90
55)	MIBK (methyl isobutyl ket	7.92	43	86484	94.75	ppb		95
56)	1-Bromo-2-chloroethane	7.55	144	26888	98.18	ppb		87
57)	2-Chloroethyl vinyl ether	7.92	43	86688	91.39	ppb	#	100
58)	Cis-1,3-Dichloropropene	7.72	39	115344	94.11	ppb		82
59)	Toluene	8.05	91	521087	91.97	ppb		99
60)	Trans-1,3-Dichloropropene	8.31	75	192961	92.27	ppb		95
61)	1,1,2-TCA	8.49	83	80743	91.05	ppb		80
62)	2-Hexanone	8.78	43	54030	93.97	ppb		92
65)	1,2-EDB	8.97	107	119163	91.38	ppb		97
66)	Tetrachloroethene	8.60	164	102480	100.74	ppb		98
67)	1-Chlorohexane	9.48	91	142860	77.37	ppb		97
68)	1,1,1,2-Tetrachloroethane	9.57	131	160889	93.54	ppb		94
69)	m&p-Xylene	9.72	106	482392	182.82	ppb		98
70)	o-Xylene	10.11	106	241356	90.63	ppb		96
71)	Styrene	10.13	104	402695	91.49	ppb		98
73)	1,3-Dichloropropane	8.66	76	180401	94.38	ppb		94
74)	Dibromochloromethane	8.87	129	168646	92.53	ppb		97
75)	Chlorobenzene	9.47	112	372439	94.77	ppb		99
76)	Ethylbenzene	9.60	91	588437	89.57	ppb		93
77)	Bromoform	10.30	173	130549	94.87	ppb		90
79)	Isopropylbenzene	10.48	105	626962	91.06	ppb		99
80)	1,1,2,2-Tetrachloroethane	10.80	83	110029	85.71	ppb		99
81)	1,2,3-Trichloropropane	10.83	110	47804	86.56	ppb		98
82)	t-1,4-Dichloro-2-Butene	10.86	53	32725	81.10	ppb	#	64
83)	Bromobenzene	10.77	156	196562	88.08	ppb		92
84)	n-Propylbenzene	10.90	91	664996	94.23	ppb		93
85)	4-Ethyltoluene	11.01	105	614109	96.09	ppb		95
86)	2-Chlorotoluene	10.97	91	416114	81.73	ppb		98
87)	1,3,5-Trimethylbenzene	11.08	105	535113	95.62	ppb		99
88)	4-Chlorotoluene	11.08	91	478472	90.58	ppb		95
89)	Tert-Butylbenzene	11.40	119	322368	103.05	ppb		96
90)	1,2,4-Trimethylbenzene	11.45	105	546737	99.20	ppb		100
91)	Sec-Butylbenzene	11.62	105	631736	105.87	ppb		99
92)	p-Isopropyltoluene	11.77	119	612647	121.34	ppb		99
93)	Benzyl Chloride	11.95	91	175266	78.95	ppb		95
94)	1,3-DCB	11.80	146	352931	97.11	ppb		98
95)	1,4-DCB	11.71	146	349732	98.36	ppb		98
96)	n-Butylbenzene	12.18	91	448078	140.57	ppb		96
97)	1,2-DCB	12.17	146	346397	106.77	ppb		93
98)	Hexachloroethane	12.42	117	104026	84.11	ppb		93
99)	1,2-Dibromo-3-chloropropan	12.96	157	47880	132.75	ppb		92
100)	1,2,4-Trichlorobenzene	13.78	180	302215	108.21	ppb		98
101)	Hexachlorobutadiene	13.96	225	161923	103.31	ppb		75
102)	Naphthalene	14.02	128	300864	120.92	ppb		98
103)	1,2,3-Trichlorobenzene	14.26	180	269314	113.99	ppb		89

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

Data File : M:\MAX\DATA\210721\0721M10.D Vial: 10
Acq On : 21 Jul 21 17:54 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 7/21/29 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 9:39 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 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: 7/21/2021
Matrix: Instrument: Max
Initial Cal. Date: 7/21/2021
Data File: 0721M12.D

		Compound	MEAN	CCRF	%D	%Drift	
1	TM	Chlorotrifluoroethene	0.0000	0.0165	0.00	TM	
2	TML	Dichlorodifluoromethane	0.1414	0.1093	23	TML	20
3	TM	Freon 114	0.1086	0.1028	5.4	TM	
4	TM**	Chloromethane	0.1143	0.1189	4.0	TM**	
5	TM*L	Vinyl chloride	0.1137	0.1080	5.0	TM*L	0.14
6	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0033	0.00	TM	
7	TM	Bromomethane	0.0783	0.0740	5.5	TM	
8	TML	Chloroethane	0.0644	0.0547	15	TML	2.4
9	TM	Dichlorofluoromethane	0.2199	0.2129	3.2	TM	
10	TM	Trichlorofluoromethane	0.2436	0.2088	14	TM	
11	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0005	0.00	TM	
12	TM	Acrolein	0.0165	0.0155	6.3	TM	
13	TM	Acetone	0.0378	0.0360	4.8	TM	
14	TM	Freon-113	0.1173	0.1145	2.4	TM	
15	TM	Acetonitrile	0.0115	0.0114	0.51	TM	
16	TM	2-propanol	0.0000	0.0001	0.00	TM	
17	TM*	1,1-DCE	0.1779	0.1838	3.3	TM*	
18	TM	t-Butanol	0.0118	0.0111	5.8	TM	
19	TM	Methyl Acetate	0.0815	0.0807	1.1	TM	
20	TML	Iodomethane	0.1096	0.0834	24	TML	25 *
21	TML	Acrylonitrile	0.0353	0.0408	15	TML	2.4
22	TM	2-Methylpentane	0.0000	0.0008	0.00	TM	
23	TM	Methylene chloride	0.1227	0.1270	3.5	TM	
24	TM	Carbon disulfide	0.1932	0.2055	6.3	TM	
25	TM	Methyl t-butyl ether (MtBE)	0.4148	0.3842	7.4	TM	
26	TM	Trans-1,2-DCE	0.1355	0.1370	1.1	TM	
27	TM	3-Methylpentane	0.0000	0.0008	0.00	TM	
28	TM	Diisopropyl Ether	0.3309	0.3184	3.8	TM	
29	TM**	1,1-DCA	0.2263	0.2406	6.3	TM**	
30	TML	Vinyl Acetate	0.0970	0.0821	15	TML	19
31	TM	Ethyl tert Butyl Ether	0.3704	0.3475	6.2	TM	
32	TM	Methylcyclopentane	0.0181	0.0175	3.2	TM	
33	TM	MEK (2-Butanone)	0.0442	0.0410	7.3	TM	
34	TM	Cis-1,2-DCE	0.1497	0.1694	13	TM	
35	TM	2,2-Dichloropropane	0.2392	0.2435	1.8	TM	
36	TM*	Chloroform	0.2786	0.2745	1.5	TM*	
37	TM	Bromochloromethane	0.1069	0.1189	11	TM	
38	TM	1,1,1-TCA	0.2536	0.2893	14	TM	
39	TM	Cyclohexane	0.0911	0.0925	1.5	TM	
40	TM	1,1-Dichloropropene	0.1732	0.1664	3.9	TM	
		Average			6.1		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 7/21/2021
Instrument: Max
Cal. Date: 7/21/2021
Data File: 0721M12.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	2,2,4-Trimethylpentane	0.2429	0.2097	14	TM	
42	TM	Carbon Tetrachloride	0.2433	0.2655	9.2	TM	
43	TM	Tert Amyl Methyl Ether	0.3802	0.3451	9.2	TM	
44	TM	1,2-DCA	0.2384	0.2333	2.1	TM	
45	TM	Benzene	0.4847	0.5060	4.4	TM	
46	TM	TCE	0.1483	0.1417	4.5	TM	
47	TM	2-Pentanone	0.0678	0.0697	2.8	TM	
48	TM*L	1,2-Dichloropropane	0.0717	0.0665	7.3	TM*L	4.6
49	TM	Bromodichloromethane	0.2046	0.2204	7.7	TM	
50	TM	Methyl Cyclohexane	0.1690	0.1577	6.7	TM	
51	TM	Dibromomethane	0.0811	0.0870	7.3	TM	
52	TM	MIBK (methyl isobutyl ketone)	0.0921	0.0848	7.9	TM	
53	TML	1-Bromo-2-chloroethane	0.0282	0.0270	4.3	TML	10
54	TM	2-Chloroethyl vinyl ether	0.0000	0.0877	0.00	TM	
55	TM	Cis-1,3-Dichloropropene	0.1255	0.1257	0.17	TM	
56	TM*	Toluene	0.5242	0.5855	12	TM*	
57	TM	Trans-1,3-Dichloropropene	0.2003	0.1997	0.30	TM	
58	TM	1,1,2-TCA	0.0932	0.0870	6.6	TM	
59	TM	2-Hexanone	0.0580	0.0567	2.3	TM	
60	TM	1,2-EDB	0.1507	0.1504	0.26	TM	
61	TM	Tetrachloroethene	0.1358	0.1446	6.4	TM	
62	TM	1-Chlorohexane	0.1690	0.1641	2.9	TM	
63	TM	1,1,1,2-Tetrachloroethane	0.1927	0.2249	17	TM	
64	TM	m&p-Xylene	0.2835	0.3077	8.6	TM	
65	TM	o-Xylene	0.2890	0.2986	3.3	TM	
66	TM	Styrene	0.4661	0.5196	11	TM	
67	TM	1,3-Dichloropropane	0.2283	0.2335	2.3	TM	
68	TM	Dibromochloromethane	0.2084	0.2212	6.1	TM	
69	TM**	Chlorobenzene	0.4507	0.4938	9.6	TM**	
70	TM*	Ethylbenzene	0.6971	0.7570	8.6	TM*	
71	TM**	Bromoform	0.1724	0.1703	1.2	TM**	
72	TM	Isopropylbenzene	1.177	1.229	4.5	TM	
73	TM**	1,1,2,2-Tetrachloroethane	0.2347	0.2361	0.61	TM**	
74	TM	1,2,3-Trichloropropane	0.0983	0.1022	3.9	TM	
75	TML	t-1,4-Dichloro-2-Butene	0.0612	0.0703	15	TML	10
76	TM	Bromobenzene	0.3906	0.4192	7.3	TM	
77	TM	n-Propylbenzene	1.293	1.333	3.1	TM	
78	TM	4-Ethyltoluene	1.143	1.173	2.6	TM	
79	TM	2-Chlorotoluene	0.8442	1.016	20	TM	
80	TM	1,3,5-Trimethylbenzene	1.007	1.092	8.4	TM	
		Average			6.3		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Second Source Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 7/21/2021
Instrument: Max
Cal. Date: 7/21/2021
Data File: 0721M12.D

		Compound	MEAN	CCRF	%D		%Drift
81	TM	4-Chlorotoluene	0.9138	1.010	11	TM	
82	TM	Tert-Butylbenzene	0.5413	0.6334	17	TM	
83	TM	1,2,4-Trimethylbenzene	0.9784	1.132	16	TM	
84	TM	Sec-Butylbenzene	1.088	1.260	16	TM	
85	TM	p-Isopropyltoluene	1.022	1.152	13	TM	
86	TM	Benzyl Chloride	0.3464	0.2908	16	TM	
87	TM	1,3-DCB	0.6960	0.7523	8.1	TM	
88	TM	1,4-DCB	0.6917	0.7328	5.9	TM	
89	TM	n-Butylbenzene	0.6516	0.7618	17	TM	
90	TM	1,2-DCB	0.6444	0.7121	10	TM	
91	TM	Hexachloroethane	0.2003	0.2182	8.9	TM	
92	TM	1,2-Dibromo-3-chloropropane	0.0788	0.0864	9.5	TM	
93	TML	1,2,4-Trichlorobenzene	0.3819	0.3819	0.01	TML	0.95
94	TML	Hexachlorobutadiene	0.2463	0.2520	2.3	TML	4.6
95	TML	Naphthalene	0.2498	0.3181	27	TML	7.3
96	TML	1,2,3-Trichlorobenzene	0.2687	0.3289	22	TML	0.96
97							
98							
99							
100							
101							
102							
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			12.5		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M12.D Vial: 12
Acq On : 21 Jul 21 18:50 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 11:15 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	248283	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	210517	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	132422	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.45	111	75069	25.27	ppb		0.00
Spiked Amount 25.000			Recovery = 101.084%				
44) 1,2-DCA-D4(S)	5.85	65	48232	25.59	ppb		0.00
Spiked Amount 25.000			Recovery = 102.344%				
64) Toluene-D8(S)	7.98	98	239279	25.42	ppb		0.00
Spiked Amount 25.000			Recovery = 101.692%				
72) 4-Bromofluorobenzene(S)	10.63	95	92556	24.87	ppb		0.00
Spiked Amount 25.000			Recovery = 99.464%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	10851	7.99	ppb	#	86
4) Freon 114	1.19	85	10209	9.46	ppb		98
5) Chloromethane	1.23	50	11808	10.40	ppb		98
6) Vinyl chloride	1.32	62	10728	10.01	ppb		99
8) Bromomethane	1.58	94	7353	9.45	ppb		89
9) Chloroethane	1.68	64	5435	9.76	ppb		95
10) Dichlorofluoromethane	1.86	67	21140	9.68	ppb		98
11) Trichlorofluoromethane	1.90	101	20737	8.57	ppb		93
13) Acrolein	2.32	56	19247	117.13	ppb		90
14) Acetone	2.49	43	17879	47.62	ppb		100
15) Freon-113	2.40	151	11370	9.76	ppb		98
16) Acetonitrile	2.80	41	14203	124.37	ppb		91
18) 1,1-DCE	2.39	61	18254	10.33	ppb		91
19) t-Butanol	3.21	59	13841	117.74	ppb	#	82
20) Methyl Acetate	2.87	43	8011	9.89	ppb		96
21) Iodomethane	2.54	142	8278	7.46	ppb	#	79
22) Acrylonitrile	3.30	53	4048	10.24	ppb	#	82
24) Methylene chloride	2.95	84	12612	10.35	ppb		89
25) Carbon disulfide	2.59	76	20408	10.63	ppb		95
26) Methyl t-butyl ether (MtBE	3.33	73	38155	9.26	ppb		98
27) Trans-1,2-DCE	3.28	96	13602	10.11	ppb		88
29) Diisopropyl Ether	4.10	45	31619	9.62	ppb		93
30) 1,1-DCA	3.90	63	23898	10.63	ppb		95
31) Vinyl Acetate	4.09	43	8157	8.09	ppb	#	81
32) Ethyl tert Butyl Ether	4.65	59	34507	9.38	ppb		95
33) Methylcyclopentane	4.65	56	1739	9.68	ppb	#	100
34) MEK (2-Butanone)	4.88	43	20339	46.36	ppb		94
35) Cis-1,2-DCE	4.79	96	16821	11.31	ppb		100
36) 2,2-Dichloropropane	4.77	77	24185	10.18	ppb		99
37) Chloroform	5.25	83	27265	9.85	ppb		93
38) Bromochloromethane	5.11	130	11807	11.12	ppb	#	79
40) 1,1,1-TCA	5.43	97	28729	11.41	ppb		92
41) Cyclohexane	5.48	41	9185	10.15	ppb		92
42) 1,1-Dichloropropene	5.65	75	16524	9.61	ppb		95
43) 2,2,4-Trimethylpentane	6.01	57	20827	8.63	ppb		94
45) Carbon Tetrachloride	5.63	117	26372	10.92	ppb		100
46) Tert Amyl Methyl Ether	6.10	73	34269	9.08	ppb	#	96
47) 1,2-DCA	5.95	62	23172	9.79	ppb		96
48) Benzene	5.89	78	50252	10.44	ppb		97
49) TCE	6.67	95	14072	9.55	ppb		90

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M12.D Vial: 12
Acq On : 21 Jul 21 18:50 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 11:15 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.94	43	86532	128.44	ppb		94
51)	1,2-Dichloropropane	6.92	63	6601	10.46	ppb	#	87
52)	Bromodichloromethane	7.24	83	21889	10.77	ppb		96
53)	Methyl Cyclohexane	6.85	83	15657	9.33	ppb		90
54)	Dibromomethane	7.04	93	8644	10.73	ppb		75
55)	MIBK (methyl isobutyl ket	7.92	43	42133	46.07	ppb		98
56)	1-Bromo-2-chloroethane	7.55	144	2679	9.00	ppb		91
58)	Cis-1,3-Dichloropropene	7.72	39	12485	10.02	ppb		85
59)	Toluene	8.05	91	58152	11.17	ppb		99
60)	Trans-1,3-Dichloropropene	8.31	75	19835	9.97	ppb		88
61)	1,1,2-TCA	8.49	83	8638	9.34	ppb		90
62)	2-Hexanone	8.78	43	28133	48.86	ppb	#	84
65)	1,2-EDB	8.97	107	12661	9.97	ppb		98
66)	Tetrachloroethene	8.60	164	12174	10.64	ppb		95
67)	1-Chlorohexane	9.48	91	13819	9.71	ppb		90
68)	1,1,1,2-Tetrachloroethane	9.57	131	18936	11.67	ppb		90
69)	m&p-Xylene	9.72	106	51828	21.71	ppb		98
70)	o-Xylene	10.11	106	25141	10.33	ppb		91
71)	Styrene	10.13	104	43754	11.15	ppb	#	97
73)	1,3-Dichloropropane	8.66	76	19665	10.23	ppb		95
74)	Dibromochloromethane	8.87	129	18624	10.61	ppb		98
75)	Chlorobenzene	9.47	112	41582	10.96	ppb		95
76)	Ethylbenzene	9.60	91	63742	10.86	ppb		96
77)	Bromoform	10.30	173	14344	9.88	ppb		90
79)	Isopropylbenzene	10.49	105	65095	10.45	ppb		95
80)	1,1,2,2-Tetrachloroethane	10.80	83	12507	10.06	ppb		98
81)	1,2,3-Trichloropropane	10.83	110	5412	10.39	ppb		96
82)	t-1,4-Dichloro-2-Butene	10.86	53	3724	11.02	ppb	#	79
83)	Bromobenzene	10.77	156	22202	10.73	ppb		94
84)	n-Propylbenzene	10.90	91	70591	10.31	ppb		94
85)	4-Ethyltoluene	11.01	105	62111	10.26	ppb		97
86)	2-Chlorotoluene	10.97	91	53824	12.04	ppb		97
87)	1,3,5-Trimethylbenzene	11.08	105	57860	10.84	ppb		100
88)	4-Chlorotoluene	11.08	91	53521	11.06	ppb		96
89)	Tert-Butylbenzene	11.40	119	33552	11.70	ppb		96
90)	1,2,4-Trimethylbenzene	11.45	105	59962	11.57	ppb		98
91)	Sec-Butylbenzene	11.62	105	66740	11.58	ppb		96
92)	p-Isopropyltoluene	11.77	119	61019	11.27	ppb		97
93)	Benzyl Chloride	11.95	91	15403	8.39	ppb		94
94)	1,3-DCB	11.81	146	39846	10.81	ppb		99
95)	1,4-DCB	11.71	146	38816	10.59	ppb		94
96)	n-Butylbenzene	12.18	91	40351	11.69	ppb		97
97)	1,2-DCB	12.18	146	37718	11.05	ppb		90
98)	Hexachloroethane	12.42	117	11556	10.89	ppb		85
99)	1,2-Dibromo-3-chloropropan	12.96	157	4574	10.95	ppb	#	85
100)	1,2,4-Trichlorobenzene	13.78	180	20230	10.10	ppb		95
101)	Hexachlorobutadiene	13.96	225	13350	9.54	ppb		82
102)	Naphthalene	14.02	128	16848	10.73	ppb		97
103)	1,2,3-Trichlorobenzene	14.26	180	17424	9.90	ppb		86

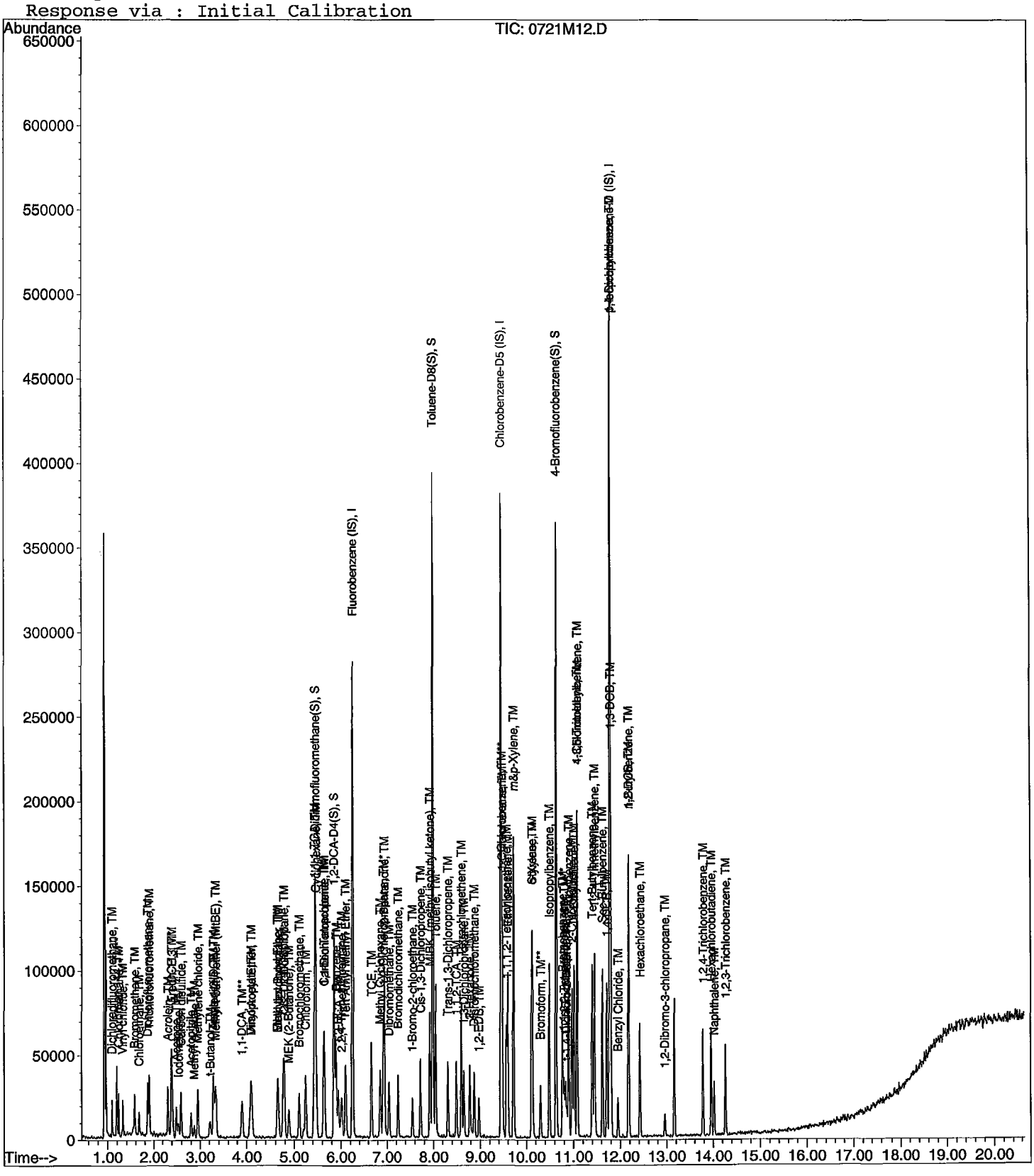
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M12.D Vial: 12
Acq On : 21 Jul 21 18:50 Operator: LP,DG,CH
Sample : (SS) 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 22 11:15 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 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: 7/27/2021
Matrix: Instrument: Max
Initial Cal. Date: 7/21/2021
Data File: 0727M02.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0189	0.00	TM	
3	TML	Dichlorodifluoromethane	0.1414	0.1515	7.1	TML	7.9
4	TM	Freon 114	0.1086	0.0993	8.6	TM	
5	TM**	Chloromethane	0.1143	0.0985	14	TM**	
6	TM*L	Vinyl chloride	0.1137	0.0996	12	TM*L	7.2
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0021	0.00	TM	
8	TM	Bromomethane	0.0783	0.0627	20	TM	
9	TML	Chloroethane	0.0644	0.0554	14	TML	1.1
10	TM	Dichlorofluoromethane	0.2199	0.2231	1.5	TM	
11	TM	Trichlorofluoromethane	0.2436	0.2726	12	TM	
12	TM	Acrolein	0.0165	0.0130	22	TM	*
13	TM	Acetone	0.0378	0.0387	2.3	TM	
14	TM	Freon-113	0.1173	0.1226	4.5	TM	
15	TM	Acetonitrile	0.0115	0.0098	15	TM	
16	TM	2-propanol	0.0000	0.0001	0.00	TM	
17	TM*	1,1-DCE	0.1779	0.1648	7.3	TM*	
18	TM	t-Butanol	0.0118	0.0116	2.3	TM	
19	TM	Methyl Acetate	0.0815	0.0689	16	TM	
20	TML	Iodomethane	0.1096	0.1086	0.86	TML	10.0
21	TML	Acrylonitrile	0.0353	0.0361	2.2	TML	9.1
22	TM	2-Methylpentane	0.0000	0.0013	0.00	TM	
23	TM	Methylene chloride	0.1227	0.1242	1.2	TM	
24	TM	Carbon disulfide	0.1932	0.1663	14	TM	
25	TM	Methyl t-butyl ether (MtBE)	0.4148	0.3913	5.7	TM	
26	TM	Trans-1,2-DCE	0.1355	0.1252	7.7	TM	
27	TM	3-Methylpentane	0.0000	0.0003	0.00	TM	
28	TM	Diisopropyl Ether	0.3309	0.2896	12	TM	
29	TM**	1,1-DCA	0.2263	0.2076	8.3	TM**	
30	TML	Vinyl Acetate	0.0970	0.1083	12	TML	3.8
31	TM	Ethyl tert Butyl Ether	0.3704	0.3369	9.0	TM	
32	TM	Methylcyclopentane	0.0181	0.0171	5.3	TM	
33	TM	MEK (2-Butanone)	0.0442	0.0406	8.1	TM	
34	TM	Cis-1,2-DCE	0.1497	0.1441	3.7	TM	
35	TM	2,2-Dichloropropane	0.2392	0.2442	2.1	TM	
36	TM*	Chloroform	0.2786	0.2747	1.4	TM*	
37	TM	Bromochloromethane	0.1069	0.1088	1.8	TM	
38	S	Dibromofluoromethane(S)	0.2991	0.3083	3.1	S	
39	TM	1,1,1-TCA	0.2536	0.3038	20	TM	
40	TM	Cyclohexane	0.0911	0.0782	14	TM	
		Average			7.5		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc.
Case No:
Matrix: 0

SDG No:
Date Analyzed: 7/27/2021
Instrument: Max
Cal. Date: 7/21/2021
Data File: 0727M02.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1-Dichloropropene	0.1732	0.1573	9.1	TM	
42	TM	2,2,4-Trimethylpentane	0.2429	0.2353	3.1	TM	
43	S	1,2-DCA-D4(S)	0.1898	0.2164	14	S	
44	TM	Carbon Tetrachloride	0.2433	0.2877	18	TM	
45	TM	Tert Amyl Methyl Ether	0.3802	0.3497	8.0	TM	
46	TM	1,2-DCA	0.2384	0.2328	2.4	TM	
47	TM	Benzene	0.4847	0.4843	0.10	TM	
48	TM	TCE	0.1483	0.1344	9.4	TM	
49	TM	2-Pentanone	0.0678	0.0616	9.1	TM	
50	TM*L	1,2-Dichloropropane	0.0717	0.0574	20	TM*L	9.5
51	TM	Bromodichloromethane	0.2046	0.2135	4.4	TM	
52	TM	Methyl Cyclohexane	0.1690	0.1611	4.7	TM	
53	TM	Dibromomethane	0.0811	0.0838	3.3	TM	
54	TM	MIBK (methyl isobutyl ketone)	0.0921	0.0838	9.0	TM	
55	TML	1-Bromo-2-chloroethane	0.0282	0.0288	2.0	TML	3.7
56	TM	2-Chloroethyl vinyl ether	0.0000	0.0844	0.00	TM	
57	TM	Cis-1,3-Dichloropropene	0.1255	0.1250	0.36	TM	
58	TM*	Toluene	0.5242	0.5172	1.3	TM*	
59	TM	Trans-1,3-Dichloropropene	0.2003	0.2055	2.6	TM	
60	TM	1,1,2-TCA	0.0932	0.0791	15	TM	
61	TM	2-Hexanone	0.0580	0.0537	7.4	TM	
62	I	Chlorobenzene-D5 (IS)	ISTD			I	
63	S	Toluene-D8(S)	1.118	1.104	1.2	S	
64	TM	1,2-EDB	0.1507	0.1418	5.9	TM	
65	TM	Tetrachloroethene	0.1358	0.1353	0.40	TM	
66	TM	1-Chlorohexane	0.1690	0.1527	9.7	TM	
67	TM	1,1,1,2-Tetrachloroethane	0.1927	0.1958	1.6	TM	
68	TM	m&p-Xylene	0.2835	0.2870	1.3	TM	
69	TM	o-Xylene	0.2890	0.2831	2.0	TM	
70	TM	Styrene	0.4661	0.4714	1.1	TM	
71	S	4-Bromofluorobenzene(S)	0.4420	0.4405	0.33	S	
72	TM	1,3-Dichloropropane	0.2283	0.1988	13	TM	
73	TM	Dibromochloromethane	0.2084	0.2073	0.53	TM	
74	TM**	Chlorobenzene	0.4507	0.4585	1.7	TM**	
75	TM*	Ethylbenzene	0.6971	0.6969	0.03	TM*	
76	TM**	Bromoform	0.1724	0.1748	1.4	TM**	
77	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
78	TM	Isopropylbenzene	1.177	1.123	4.5	TM	
79	TM**	1,1,2,2-Tetrachloroethane	0.2347	0.2128	9.3	TM**	
80	TM	1,2,3-Trichloropropane	0.0983	0.1002	1.9	TM	
		Average			5.2		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 7/27/2021
Matrix: 0 Instrument: Max
Cal. Date: 7/21/2021
Data File: 0727M02.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	t-1,4-Dichloro-2-Butene	0.0612	0.0585	4.3	TML	8.0
82	TM	Bromobenzene	0.3906	0.3738	4.3	TM	
83	TM	n-Propylbenzene	1.293	1.161	10	TM	
84	TM	4-Ethyltoluene	1.143	1.082	5.3	TM	
85	TM	2-Chlorotoluene	0.8442	0.7631	9.6	TM	
86	TM	1,3,5-Trimethylbenzene	1.007	1.004	0.31	TM	
87	TM	4-Chlorotoluene	0.9138	0.9081	0.62	TM	
88	TM	Tert-Butylbenzene	0.5413	0.5505	1.7	TM	
89	TM	1,2,4-Trimethylbenzene	0.9784	0.9685	1.0	TM	
90	TM	Sec-Butylbenzene	1.088	1.058	2.7	TM	
91	TM	p-Isopropyltoluene	1.022	1.056	3.3	TM	
92	TM	Benzyl Chloride	0.3464	0.2997	13	TM	
93	TM	1,3-DCB	0.6960	0.6949	0.16	TM	
94	TM	1,4-DCB	0.6917	0.6762	2.2	TM	
95	TM	n-Butylbenzene	0.6516	0.6660	2.2	TM	
96	TM	1,2-DCB	0.6444	0.6397	0.73	TM	
97	TM	Hexachloroethane	0.2003	0.2087	4.2	TM	
98	TM	1,2-Dibromo-3-chloropropane	0.0788	0.0678	14	TM	
99	TML	1,2,4-Trichlorobenzene	0.3819	0.3126	18	TML	10
100	TML	Hexachlorobutadiene	0.2463	0.2698	9.6	TML	0.87
101	TML	Naphthalene	0.2498	0.2456	1.7	TML	15
102	TML	1,2,3-Trichlorobenzene	0.2687	0.2813	4.7	TML	13
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			5.2		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M02.D Vial: 2
Acq On : 27 Jul 21 12:29 Operator: LP,DG,CH
Sample : 210727A CCV 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:50 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	193683	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	169951	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	111501	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.46	111	59707	25.77	ppb		0.00
Spiked Amount 25.000			Recovery = 103.064%				
44) 1,2-DCA-D4(S)	5.85	65	41920	28.51	ppb		0.00
Spiked Amount 25.000			Recovery = 114.024%				
64) Toluene-D8(S)	7.98	98	187605	24.69	ppb		0.00
Spiked Amount 25.000			Recovery = 98.760%				
72) 4-Bromofluorobenzene(S)	10.63	95	74871	24.92	ppb		0.00
Spiked Amount 25.000			Recovery = 99.664%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.09	85	11740	10.79	ppb		89
4) Freon 114	1.19	85	7696	9.14	ppb		100
5) Chloromethane	1.24	50	7630	8.61	ppb		99
6) Vinyl chloride	1.32	62	7714	9.28	ppb		94
8) Bromomethane	1.58	94	4860	8.01	ppb		88
9) Chloroethane	1.68	64	4293	9.89	ppb		98
10) Dichlorofluoromethane	1.87	67	17288	10.15	ppb		99
11) Trichlorofluoromethane	1.90	101	21123	11.19	ppb		99
13) Acrolein	2.32	56	12557	97.96	ppb		98
14) Acetone	2.49	43	14980	51.15	ppb	#	84
15) Freon-113	2.41	151	9499	10.45	ppb	#	90
16) Acetonitrile	2.80	41	9450	106.07	ppb		98
18) 1,1-DCE	2.39	61	12770	9.27	ppb	#	90
19) t-Butanol	3.22	59	11200	122.14	ppb	#	81
20) Methyl Acetate	2.86	43	5337	8.45	ppb		100
21) Iodomethane	2.54	142	8415	9.00	ppb		89
22) Acrylonitrile	3.30	53	2797	9.09	ppb	#	85
24) Methylene chloride	2.95	84	9625	10.12	ppb		95
25) Carbon disulfide	2.59	76	12883	8.61	ppb		98
26) Methyl t-butyl ether (MtBE	3.34	73	30316	9.43	ppb		94
27) Trans-1,2-DCE	3.29	96	9696	9.23	ppb		88
29) Diisopropyl Ether	4.10	45	22436	8.75	ppb	#	91
30) 1,1-DCA	3.91	63	16080	9.17	ppb		98
31) Vinyl Acetate	4.07	43	8388	10.38	ppb	#	42
32) Ethyl tert Butyl Ether	4.65	59	26104	9.10	ppb	#	89
33) Methylcyclopentane	4.65	56	1328	9.47	ppb		100
34) MEK (2-Butanone)	4.88	43	15723	45.95	ppb		97
35) Cis-1,2-DCE	4.79	96	11167	9.63	ppb		90
36) 2,2-Dichloropropane	4.77	77	18918	10.21	ppb		98
37) Chloroform	5.25	83	21284	9.86	ppb		97
38) Bromochloromethane	5.11	130	8432	10.18	ppb		84
40) 1,1,1-TCA	5.43	97	23534	11.98	ppb		96
41) Cyclohexane	5.48	41	6057	8.58	ppb		82
42) 1,1-Dichloropropene	5.65	75	12190	9.09	ppb		87
43) 2,2,4-Trimethylpentane	6.02	57	18230	9.69	ppb		95
45) Carbon Tetrachloride	5.64	117	22290	11.83	ppb		92
46) Tert Amyl Methyl Ether	6.10	73	27093	9.20	ppb	#	90
47) 1,2-DCA	5.94	62	18033	9.76	ppb		99
48) Benzene	5.90	78	37517	9.99	ppb		95
49) TCE	6.67	95	10414	9.06	ppb		93

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M02.D Vial: 2
Acq On : 27 Jul 21 12:29 Operator: LP,DG,CH
Sample : 210727A CCV 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:50 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.94	43	59698	113.59	ppb		95
51)	1,2-Dichloropropane	6.92	63	4449	9.05	ppb	#	87
52)	Bromodichloromethane	7.24	83	16542	10.44	ppb		98
53)	Methyl Cyclohexane	6.85	83	12479	9.53	ppb		100
54)	Dibromomethane	7.04	93	6494	10.33	ppb		89
55)	MIBK (methyl isobutyl ket	7.92	43	32464	45.50	ppb		97
56)	1-Bromo-2-chloroethane	7.55	144	2228	9.63	ppb		90
58)	Cis-1,3-Dichloropropene	7.72	39	9688	9.96	ppb		86
59)	Toluene	8.05	91	40073	9.87	ppb		100
60)	Trans-1,3-Dichloropropene	8.31	75	15923	10.26	ppb		89
61)	1,1,2-TCA	8.49	83	6127	8.49	ppb	#	62
62)	2-Hexanone	8.78	43	20788	46.29	ppb	#	92
65)	1,2-EDB	8.97	107	9641	9.41	ppb		92
66)	Tetrachloroethene	8.60	164	9198	9.96	ppb		91
67)	1-Chlorohexane	9.48	91	10382	9.03	ppb		89
68)	1,1,1,2-Tetrachloroethane	9.57	131	13313	10.16	ppb		89
69)	m&p-Xylene	9.72	106	39024	20.25	ppb		89
70)	o-Xylene	10.11	106	19242	9.80	ppb		98
71)	Styrene	10.13	104	32049	10.11	ppb		97
73)	1,3-Dichloropropane	8.66	76	13517	8.71	ppb		98
74)	Dibromochloromethane	8.88	129	14093	9.95	ppb		93
75)	Chlorobenzene	9.47	112	31168	10.17	ppb		98
76)	Ethylbenzene	9.60	91	47374	10.00	ppb		99
77)	Bromoform	10.30	173	11882	10.14	ppb		100
79)	Isopropylbenzene	10.49	105	50104	9.55	ppb		97
80)	1,1,2,2-Tetrachloroethane	10.80	83	9491	9.07	ppb		87
81)	1,2,3-Trichloropropane	10.84	110	4470	10.19	ppb		88
82)	t-1,4-Dichloro-2-Butene	10.86	53	2610	9.20	ppb	#	43
83)	Bromobenzene	10.77	156	16673	9.57	ppb		96
84)	n-Propylbenzene	10.90	91	51761	8.98	ppb		100
85)	4-Ethyltoluene	11.01	105	48271	9.47	ppb		93
86)	2-Chlorotoluene	10.97	91	34033	9.04	ppb		99
87)	1,3,5-Trimethylbenzene	11.08	105	44789	9.97	ppb		97
88)	4-Chlorotoluene	11.08	91	40502	9.94	ppb		92
89)	Tert-Butylbenzene	11.40	119	24552	10.17	ppb		99
90)	1,2,4-Trimethylbenzene	11.45	105	43195	9.90	ppb		99
91)	Sec-Butylbenzene	11.62	105	47204	9.73	ppb		98
92)	p-Isopropyltoluene	11.77	119	47083	10.33	ppb		93
93)	Benzyl Chloride	11.95	91	13367	8.65	ppb	#	91
94)	1,3-DCB	11.81	146	30992	9.98	ppb		98
95)	1,4-DCB	11.71	146	30158	9.78	ppb		97
96)	n-Butylbenzene	12.18	91	29705	10.22	ppb		92
97)	1,2-DCB	12.17	146	28531	9.93	ppb		95
98)	Hexachloroethane	12.42	117	9309	10.42	ppb		89
99)	1,2-Dibromo-3-chloropropan	12.96	157	3022	8.59	ppb	#	78
100)	1,2,4-Trichlorobenzene	13.78	180	13941	8.95	ppb		94
101)	Hexachlorobutadiene	13.96	225	12032	10.09	ppb	#	73
102)	Naphthalene	14.02	128	10953	8.46	ppb		93
103)	1,2,3-Trichlorobenzene	14.26	180	12548	8.73	ppb		89

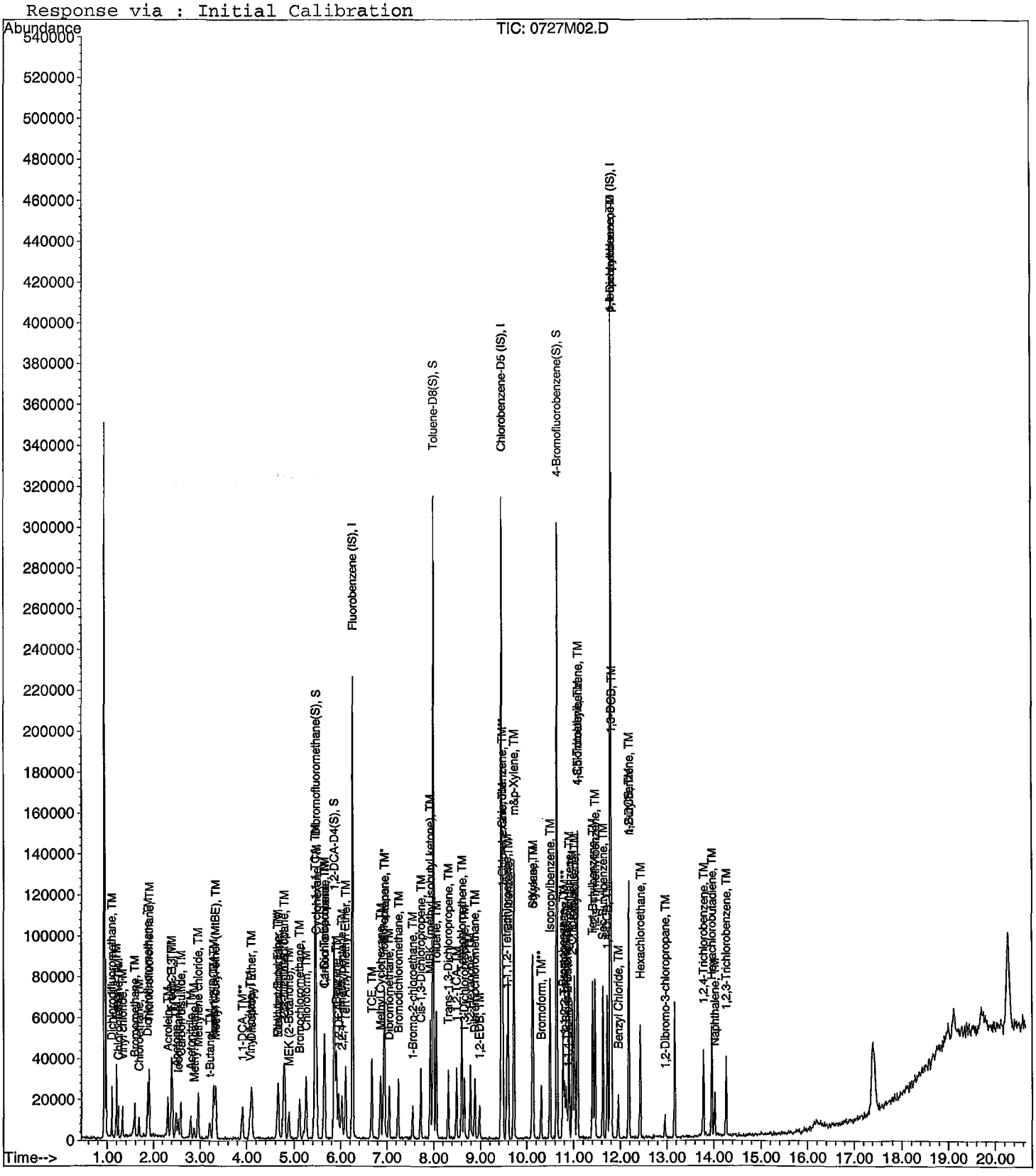
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M02.D Vial: 2
Acq On : 27 Jul 21 12:29 Operator: LP,DG,CH
Sample : 210727A CCV 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:50 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 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: 7/26/2021
Matrix: Instrument: Max
Initial Cal. Date: 7/21/2021
Data File: 0726M26.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TM	Chlorotrifluoroethene	0.0000	0.0204	0.00	TM	
3	TML	Dichlorodifluoromethane	0.1414	0.1553	9.8	TML	10
4	TM	Freon 114	0.1086	0.1132	4.2	TM	
5	TM**	Chloromethane	0.1143	0.1041	9.0	TM**	
6	TM*L	Vinyl chloride	0.1137	0.1127	0.87	TM*L	4.2
7	TM	2-Chloro-1,1,1-trifluoroethane	0.0000	0.0054	0.00	TM	
8	TM	Bromomethane	0.0783	0.0749	4.3	TM	
9	TML	Chloroethane	0.0644	0.0593	7.9	TML	6.1
10	TM	Dichlorofluoromethane	0.2199	0.2322	5.6	TM	
11	TM	Trichlorofluoromethane	0.2436	0.3067	26	TM	
12	TM	2,2-Dichloro-1,1,1-trifluoroethane	0.0000	0.0003	0.00	TM	
13	TM	Acrolein	0.0165	0.0103	38	TM	
14	TM	Acetone	0.0378	0.0311	18	TM	
15	TM	Freon-113	0.1173	0.1429	22	TM	
16	TM	Acetonitrile	0.0115	0.0093	19	TM	
17	TM	2-propanol	0.0000	0.0001	0.00	TM	
18	TM*	1,1-DCE	0.1779	0.1896	6.6	TM*	
19	TM	t-Butanol	0.0118	0.0089	25	TM	
20	TM	Methyl Acetate	0.0815	0.0620	24	TM	
21	TML	Iodomethane	0.1096	0.1183	8.0	TML	4.1
22	TML	Acrylonitrile	0.0353	0.0349	1.1	TML	12
23	TM	Methylene chloride	0.1227	0.1236	0.73	TM	
24	TM	Carbon disulfide	0.1932	0.1763	8.8	TM	
25	TM	Methyl t-butyl ether (MtBE)	0.4148	0.4064	2.0	TM	
26	TM	Trans-1,2-DCE	0.1355	0.1495	10	TM	
27	TM	3-Methylpentane	0.0000	0.0003	0.00	TM	
28	TM	Diisopropyl Ether	0.3309	0.3086	6.7	TM	
29	TM**	1,1-DCA	0.2263	0.2375	5.0	TM**	
30	TML	Vinyl Acetate	0.0970	0.1291	33	TML	22
31	TM	Ethyl tert Butyl Ether	0.3704	0.3644	1.6	TM	
32	TM	Methylcyclopentane	0.0181	0.0149	18	TM	
33	TM	MEK (2-Butanone)	0.0442	0.0356	20	TM	
34	TM	Cis-1,2-DCE	0.1497	0.1496	0.08	TM	
35	TM	2,2-Dichloropropane	0.2392	0.2321	2.9	TM	
36	TM*	Chloroform	0.2786	0.2934	5.3	TM*	
37	TM	Bromochloromethane	0.1069	0.1140	6.6	TM	
38	S	Dibromofluoromethane(S)	0.2991	0.3069	2.6	S	
39	TM	1,1,1-TCA	0.2536	0.2942	16	TM	
40	TM	Cyclohexane	0.0911	0.0972	6.7	TM	
		Average			9.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 7/26/2021
Matrix: 0 Instrument: Max
Cal. Date: 7/21/2021
Data File: 0726M26.D

		Compound	MEAN	CCRF	%D		%Drift
41	TM	1,1-Dichloropropene	0.1732	0.1710	1.2	TM	
42	TM	2,2,4-Trimethylpentane	0.2429	0.2424	0.20	TM	
43	S	1,2-DCA-D4(S)	0.1898	0.1948	2.6	S	
44	TM	Carbon Tetrachloride	0.2433	0.2843	17	TM	
45	TM	Tert Amyl Methyl Ether	0.3802	0.3549	6.7	TM	
46	TM	1,2-DCA	0.2384	0.2505	5.1	TM	
47	TM	Benzene	0.4847	0.5017	3.5	TM	
48	TM	TCE	0.1483	0.1670	13	TM	
49	TM	2-Pentanone	0.0678	0.0612	9.9	TM	
50	TM*L	1,2-Dichloropropane	0.0717	0.0545	24	TM*L	14
51	TM	Bromodichloromethane	0.2046	0.2338	14	TM	
52	TM	Methyl Cyclohexane	0.1690	0.1797	6.3	TM	
53	TM	Dibromomethane	0.0811	0.0925	14	TM	
54	TM	MIBK (methyl isobutyl ketone)	0.0921	0.0773	16	TM	
55	TML	1-Bromo-2-chloroethane	0.0282	0.0302	7.0	TML	1.2
56	TM	2-Chloroethyl vinyl ether	0.0000	0.0783	0.00	TM	
57	TM	Cis-1,3-Dichloropropene	0.1255	0.1205	4.0	TM	
58	TM*	Toluene	0.5242	0.5433	3.6	TM*	
59	TM	Trans-1,3-Dichloropropene	0.2003	0.1983	1.0	TM	
60	TM	1,1,2-TCA	0.0932	0.0893	4.2	TM	
61	TM	2-Hexanone	0.0580	0.0524	9.6	TM	
62	I	Chlorobenzene-D5 (IS)	ISTD			I	
63	S	Toluene-D8(S)	1.118	1.126	0.76	S	
64	TM	1,2-EDB	0.1507	0.1437	4.7	TM	
65	TM	Tetrachloroethene	0.1358	0.1348	0.77	TM	
66	TM	1-Chlorohexane	0.1690	0.1833	8.4	TM	
67	TM	1,1,1,2-Tetrachloroethane	0.1927	0.2309	20	TM	
68	TM	m&p-Xylene	0.2835	0.3142	11	TM	
69	TM	o-Xylene	0.2890	0.3063	6.0	TM	
70	TM	Styrene	0.4661	0.4980	6.9	TM	
71	S	4-Bromofluorobenzene(S)	0.4420	0.4511	2.0	S	
72	TM	1,3-Dichloropropane	0.2283	0.2061	9.7	TM	
73	TM	Dibromochloromethane	0.2084	0.2298	10	TM	
74	TM**	Chlorobenzene	0.4507	0.4942	9.7	TM**	
75	TM*	Ethylbenzene	0.6971	0.7377	5.8	TM*	
76	TM**	Bromoform	0.1724	0.1723	0.06	TM**	
77	I	1,4-Dichlorobenzene-D (IS)	ISTD			I	
78	TM	Isopropylbenzene	1.177	1.215	3.2	TM	
79	TM**	1,1,2,2-Tetrachloroethane	0.2347	0.1828	22	TM**	
80	TM	1,2,3-Trichloropropane	0.0983	0.1025	4.2	TM	
		Average			7.6		

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 7

Ending Continuing Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Date Analyzed: 7/26/2021
Matrix: 0 Instrument: Max
Cal. Date: 7/21/2021
Data File: 0726M26.D

		Compound	MEAN	CCRF	%D		%Drift
81	TML	t-1,4-Dichloro-2-Butene	0.0612	0.0602	1.5	TML	5.4
82	TM	Bromobenzene	0.3906	0.3692	5.5	TM	
83	TM	n-Propylbenzene	1.293	1.284	0.72	TM	
84	TM	4-Ethyltoluene	1.143	1.164	1.8	TM	
85	TM	2-Chlorotoluene	0.8442	0.9714	15	TM	
86	TM	1,3,5-Trimethylbenzene	1.007	1.081	7.3	TM	
87	TM	4-Chlorotoluene	0.9138	0.9639	5.5	TM	
88	TM	Tert-Butylbenzene	0.5413	0.6574	21	TM	
89	TM	1,2,4-Trimethylbenzene	0.9784	1.050	7.3	TM	
90	TM	Sec-Butylbenzene	1.088	1.228	13	TM	
91	TM	p-Isopropyltoluene	1.022	1.178	15	TM	
92	TM	Benzyl Chloride	0.3464	0.2357	32	TM	
93	TM	1,3-DCB	0.6960	0.7062	1.5	TM	
94	TM	1,4-DCB	0.6917	0.7364	6.5	TM	
95	TM	n-Butylbenzene	0.6516	0.7127	9.4	TM	
96	TM	1,2-DCB	0.6444	0.6993	8.5	TM	
97	TM	Hexachloroethane	0.2003	0.2001	0.11	TM	
98	TM	1,2-Dibromo-3-chloropropane	0.0788	0.0648	18	TM	
99	TML	1,2,4-Trichlorobenzene	0.3819	0.3460	9.4	TML	5.0
100	TML	Hexachlorobutadiene	0.2463	0.2785	13	TML	3.6
101	TML	Naphthalene	0.2498	0.2477	0.84	TML	15
102	TML	1,2,3-Trichlorobenzene	0.2687	0.2979	11	TML	8.6
103							
104							
105							
106							
107							
108							
109							
110							
111							
112							
113							
114							
115							
116							
117							
118							
119							
120							
		Average			9.3		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0726M26.D Vial: 26
Acq On : 26 Jul 21 22:48 Operator: LP,DG,CH
Sample : LCSD/Ending CCV 10ug/L 7/26/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 6:41 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	203332	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.45	117	172258	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	112445	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.46	111	62407	25.65	ppb		0.00
Spiked Amount 25.000			Recovery = 102.612%				
44) 1,2-DCA-D4(S)	5.85	65	39608	25.66	ppb		0.00
Spiked Amount 25.000			Recovery = 102.624%				
64) Toluene-D8(S)	7.98	98	193991	25.19	ppb		0.00
Spiked Amount 25.000			Recovery = 100.756%				
72) 4-Bromofluorobenzene(S)	10.63	95	77699	25.51	ppb		0.00
Spiked Amount 25.000			Recovery = 102.044%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.10	85	12629	11.04	ppb		100
4) Freon 114	1.19	85	9206	10.42	ppb		87
5) Chloromethane	1.24	50	8465	9.10	ppb		96
6) Vinyl chloride	1.32	62	9165	10.42	ppb		99
8) Bromomethane	1.59	94	6095	9.57	ppb		87
9) Chloroethane	1.68	64	4826	10.61	ppb		99
10) Dichlorofluoromethane	1.87	67	18889	10.56	ppb		97
11) Trichlorofluoromethane	1.90	101	24946	12.59	ppb		92
13) Acrolein	2.32	56	10483	77.90	ppb		98
14) Acetone	2.49	43	12634	41.09	ppb		93
15) Freon-113	2.41	151	11626	12.19	ppb		96
16) Acetonitrile	2.80	41	9483	101.39	ppb		93
18) 1,1-DCE	2.39	61	15418	10.66	ppb		98
19) t-Butanol	3.21	59	8998	93.47	ppb	#	81
20) Methyl Acetate	2.87	43	5045	7.61	ppb		94
21) Iodomethane	2.54	142	9622	9.59	ppb	#	88
22) Acrylonitrile	3.30	53	2842	8.80	ppb		92
24) Methylene chloride	2.95	84	10056	10.07	ppb	#	81
25) Carbon disulfide	2.59	76	14338	9.12	ppb		97
26) Methyl t-butyl ether (MtBE	3.34	73	33054	9.80	ppb	#	91
27) Trans-1,2-DCE	3.29	96	12157	11.03	ppb		83
29) Diisopropyl Ether	4.11	45	25102	9.33	ppb		97
30) 1,1-DCA	3.91	63	19316	10.50	ppb		94
31) Vinyl Acetate	4.10	43	10504	12.21	ppb	#	86
32) Ethyl tert Butyl Ether	4.65	59	29638	9.84	ppb		93
33) Methylcyclopentane	4.66	56	1210	8.22	ppb		100
34) MEK (2-Butanone)	4.88	43	14457	40.24	ppb	#	88
35) Cis-1,2-DCE	4.79	96	12166	9.99	ppb		77
36) 2,2-Dichloropropane	4.77	77	18879	9.71	ppb		100
37) Chloroform	5.26	83	23860	10.53	ppb		99
38) Bromochloromethane	5.11	130	9273	10.66	ppb	#	88
40) 1,1,1-TCA	5.44	97	23932	11.60	ppb	#	91
41) Cyclohexane	5.48	41	7906	10.67	ppb		89
42) 1,1-Dichloropropene	5.65	75	13911	9.88	ppb		92
43) 2,2,4-Trimethylpentane	6.02	57	19715	9.98	ppb		99
45) Carbon Tetrachloride	5.63	117	23126	11.69	ppb		93
46) Tert Amyl Methyl Ether	6.10	73	28866	9.33	ppb	#	87
47) 1,2-DCA	5.95	62	20375	10.51	ppb		94
48) Benzene	5.90	78	40807	10.35	ppb		93
49) TCE	6.67	95	13583	11.26	ppb		86

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0726M26.D Vial: 26
Acq On : 26 Jul 21 22:48 Operator: LP,DG,CH
Sample : LCSD/Ending CCV 10ug/L 7/26/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 6:41 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.94	43	62171	112.68	ppb		95
51)	1,2-Dichloropropane	6.92	63	4433	8.59	ppb	#	87
52)	Bromodichloromethane	7.24	83	19013	11.43	ppb		96
53)	Methyl Cyclohexane	6.86	83	14613	10.63	ppb		98
54)	Dibromomethane	7.04	93	7524	11.40	ppb		91
55)	MIBK (methyl isobutyl ket	7.92	43	31446	41.98	ppb		97
56)	1-Bromo-2-chloroethane	7.55	144	2453	10.12	ppb	#	67
58)	Cis-1,3-Dichloropropene	7.72	39	9799	9.60	ppb		88
59)	Toluene	8.05	91	44185	10.36	ppb		100
60)	Trans-1,3-Dichloropropene	8.32	75	16126	9.90	ppb		96
61)	1,1,2-TCA	8.49	83	7261	9.58	ppb		89
62)	2-Hexanone	8.78	43	21302	45.18	ppb	#	85
65)	1,2-EDB	8.98	107	9901	9.53	ppb		94
66)	Tetrachloroethene	8.60	164	9288	9.92	ppb		97
67)	1-Chlorohexane	9.48	91	12629	10.84	ppb		93
68)	1,1,1,2-Tetrachloroethane	9.57	131	15913	11.98	ppb		84
69)	m&p-Xylene	9.72	106	43304	22.17	ppb		94
70)	o-Xylene	10.11	106	21104	10.60	ppb		96
71)	Styrene	10.13	104	34317	10.69	ppb		92
73)	1,3-Dichloropropane	8.66	76	14202	9.03	ppb		92
74)	Dibromochloromethane	8.88	129	15831	11.02	ppb		95
75)	Chlorobenzene	9.48	112	34052	10.97	ppb		93
76)	Ethylbenzene	9.60	91	50833	10.58	ppb		96
77)	Bromoform	10.30	173	11871	9.99	ppb		88
79)	Isopropylbenzene	10.49	105	54634	10.32	ppb		96
80)	1,1,2,2-Tetrachloroethane	10.80	83	8222	7.79	ppb		91
81)	1,2,3-Trichloropropane	10.84	110	4609	10.42	ppb		97
82)	t-1,4-Dichloro-2-Butene	10.86	53	2709	9.46	ppb		81
83)	Bromobenzene	10.77	156	16605	9.45	ppb		86
84)	n-Propylbenzene	10.90	91	57735	9.93	ppb		96
85)	4-Ethyltoluene	11.01	105	52335	10.18	ppb		97
86)	2-Chlorotoluene	10.97	91	43690	11.51	ppb		92
87)	1,3,5-Trimethylbenzene	11.08	105	48608	10.73	ppb		94
88)	4-Chlorotoluene	11.08	91	43356	10.55	ppb		99
89)	Tert-Butylbenzene	11.40	119	29568	12.15	ppb		97
90)	1,2,4-Trimethylbenzene	11.45	105	47214	10.73	ppb		100
91)	Sec-Butylbenzene	11.62	105	55224	11.29	ppb		95
92)	p-Isopropyltoluene	11.77	119	52995	11.53	ppb		93
93)	Benzyl Chloride	11.95	91	10600	6.80	ppb		99
94)	1,3-DCB	11.80	146	31765	10.15	ppb		95
95)	1,4-DCB	11.71	146	33121	10.65	ppb		94
96)	n-Butylbenzene	12.18	91	32055	10.94	ppb		92
97)	1,2-DCB	12.17	146	31454	10.85	ppb		93
98)	Hexachloroethane	12.42	117	9001	9.99	ppb		91
99)	1,2-Dibromo-3-chloropropan	12.95	157	2913	8.21	ppb		86
100)	1,2,4-Trichlorobenzene	13.78	180	15564	9.50	ppb		96
101)	Hexachlorobutadiene	13.96	225	12525	10.36	ppb		77
102)	Naphthalene	14.02	128	11140	8.53	ppb		98
103)	1,2,3-Trichlorobenzene	14.26	180	13400	9.14	ppb		81

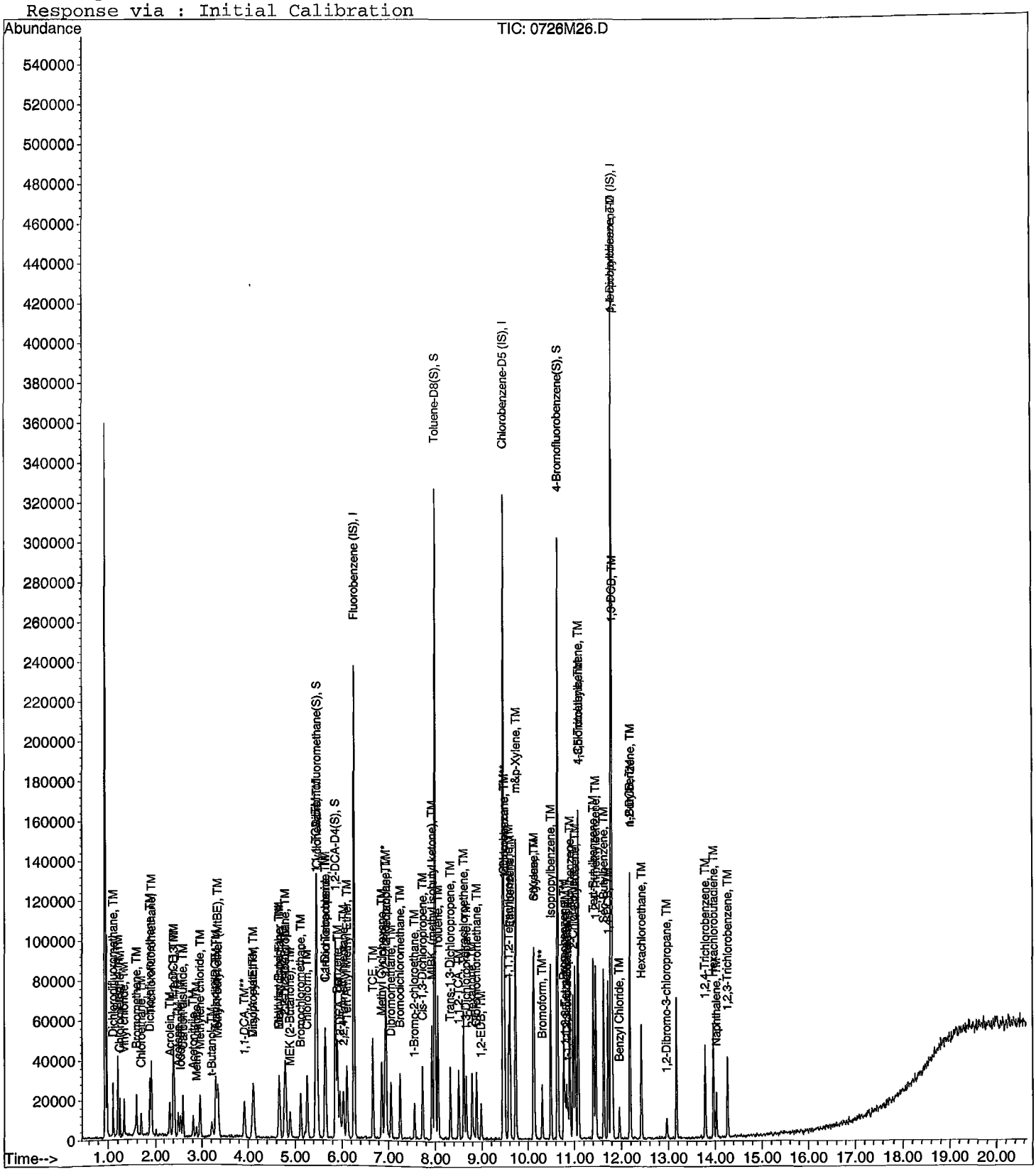
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0726M26.D Vial: 26
Acq On : 26 Jul 21 22:48 Operator: LP,DG,CH
Sample : LCSD/Ending CCV 10ug/L 7/26/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 6:41 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



ORGANICS

Raw Data

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M08.D Vial: 8
Acq On : 27 Jul 21 15:16 Operator: LP,DG,CH
Sample : BA36546W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:47 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	195737	25.00	ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	165346	25.00	ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	103316	25.00	ppb	0.00
System Monitoring Compounds						
39) Dibromofluoromethane(S)	5.45	111	62134	26.53	ppb	0.00
Spiked Amount 25.000			Recovery = 106.128%			
44) 1,2-DCA-D4(S)	5.85	65	40800	27.45	ppb	0.00
Spiked Amount 25.000			Recovery = 109.812%			
64) Toluene-D8(S)	7.98	98	189663	25.66	ppb	0.00
Spiked Amount 25.000			Recovery = 102.624%			
72) 4-Bromofluorobenzene(S)	10.63	95	72471	24.79	ppb	0.00
Spiked Amount 25.000			Recovery = 99.156%			

Target Compounds Qvalue

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

Quantitation Report

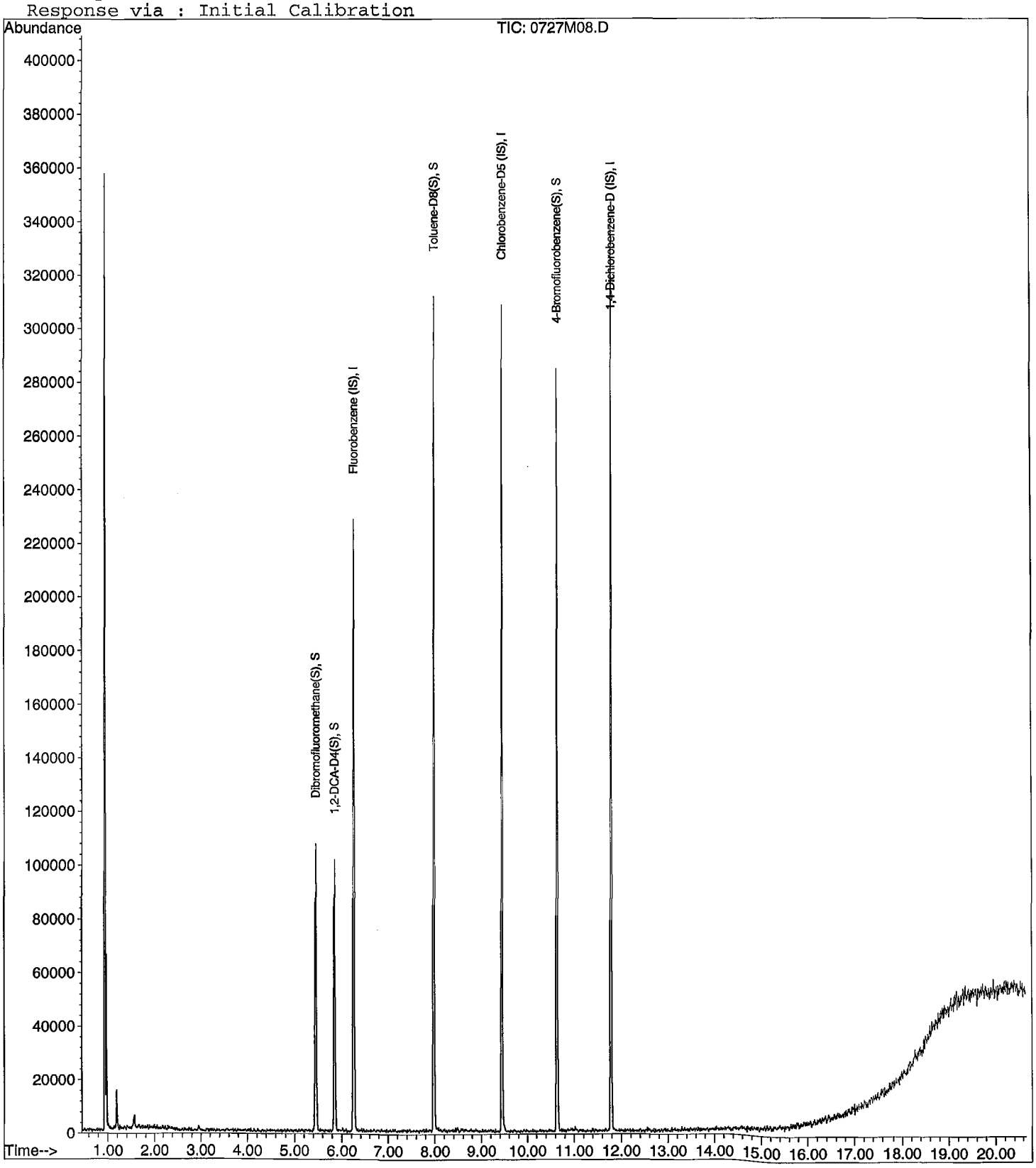
Data File : M:\MAX\DATA\210721\0727M08.D
Acq On : 27 Jul 21 15:16
Sample : BA36546W01
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 10:47 2021

Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M09.D Vial: 9
Acq On : 27 Jul 21 15:44 Operator: LP,DG,CH
Sample : BA36547W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:49 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	190396	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	162613	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	104066	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	59544	26.14 ppb	0.00
Spiked Amount 25.000			Recovery = 104.556%		
44) 1,2-DCA-D4(S)	5.85	65	38208	26.43 ppb	0.00
Spiked Amount 25.000			Recovery = 105.720%		
64) Toluene-D8(S)	7.98	98	181090	24.91 ppb	0.00
Spiked Amount 25.000			Recovery = 99.632%		
72) 4-Bromofluorobenzene(S)	10.63	95	70885	24.65 ppb	0.00
Spiked Amount 25.000			Recovery = 98.616%		

Target Compounds Qvalue

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

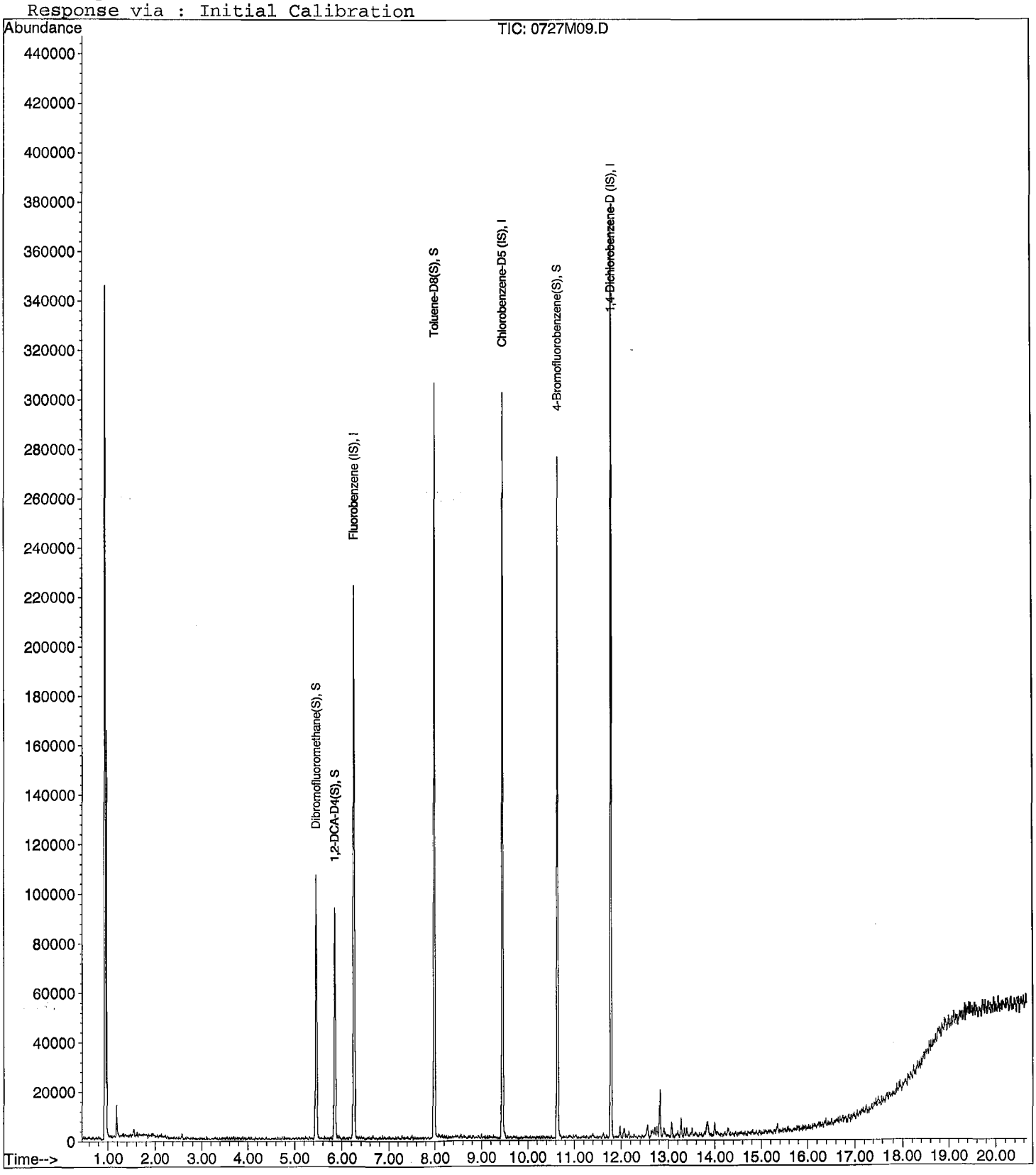
Quantitation Report

Data File : M:\MAX\DATA\210721\0727M09.D
Acq On : 27 Jul 21 15:44
Sample : BA36547W01
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 10:49 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M10.D Vial: 10
Acq On : 27 Jul 21 16:12 Operator: LP,DG,CH
Sample : BA36549W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:52 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	189722	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	164578	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	98568	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	62305	27.45 ppb	0.00
Spiked Amount 25.000			Recovery =	109.792%	
44) 1,2-DCA-D4(S)	5.85	65	40960	28.43 ppb	0.00
Spiked Amount 25.000			Recovery =	113.740%	
64) Toluene-D8(S)	7.98	98	183061	24.88 ppb	0.00
Spiked Amount 25.000			Recovery =	99.516%	
72) 4-Bromofluorobenzene(S)	10.63	95	74252	25.52 ppb	0.00
Spiked Amount 25.000			Recovery =	102.068%	

Target Compounds Qvalue

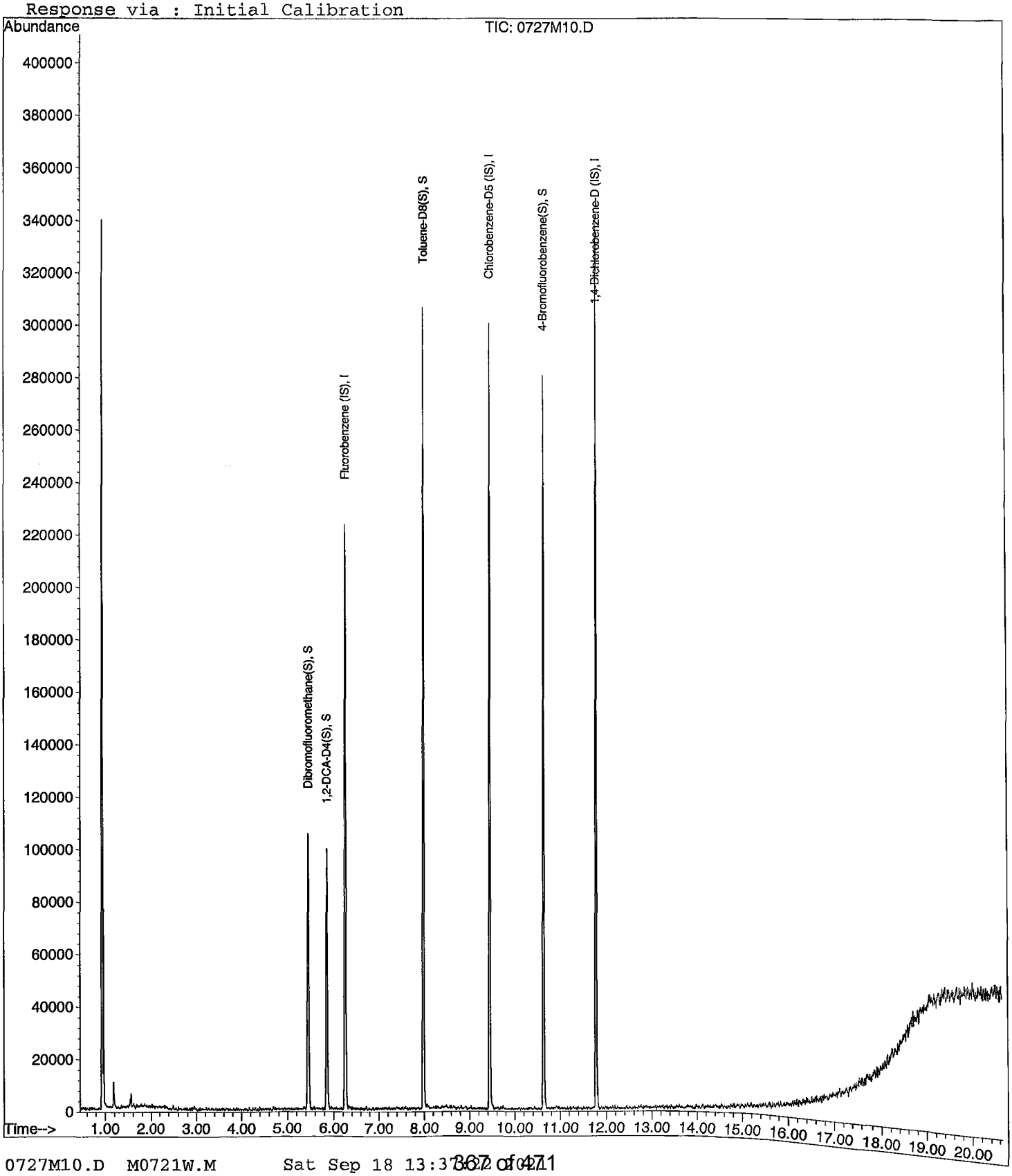
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M10.D Vial: 10
Acq On : 27 Jul 21 16:12 Operator: LP,DG,CH
Sample : BA36549W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:52 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M11.D Vial: 11
Acq On : 27 Jul 21 16:40 Operator: LP,DG,CH
Sample : BA36550W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:57 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	184185	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	158181	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	106460	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	58326	26.47 ppb	0.00
Spiked Amount 25.000			Recovery =	105.872%	
44) 1,2-DCA-D4(S)	5.85	65	39384	28.16 ppb	0.00
Spiked Amount 25.000			Recovery =	112.652%	
64) Toluene-D8(S)	7.98	98	176954	25.02 ppb	0.00
Spiked Amount 25.000			Recovery =	100.084%	
72) 4-Bromofluorobenzene(S)	10.63	95	68682	24.56 ppb	0.00
Spiked Amount 25.000			Recovery =	98.232%	
Target Compounds					Qvalue
79) Isopropylbenzene	10.49	105	13041	2.60 ppb	91
84) n-Propylbenzene	10.90	91	23459	4.26 ppb	94
91) Sec-Butylbenzene	11.61	105	15849	3.42 ppb	91
102) Naphthalene	14.02	128	283520	208.55 ppb	99

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

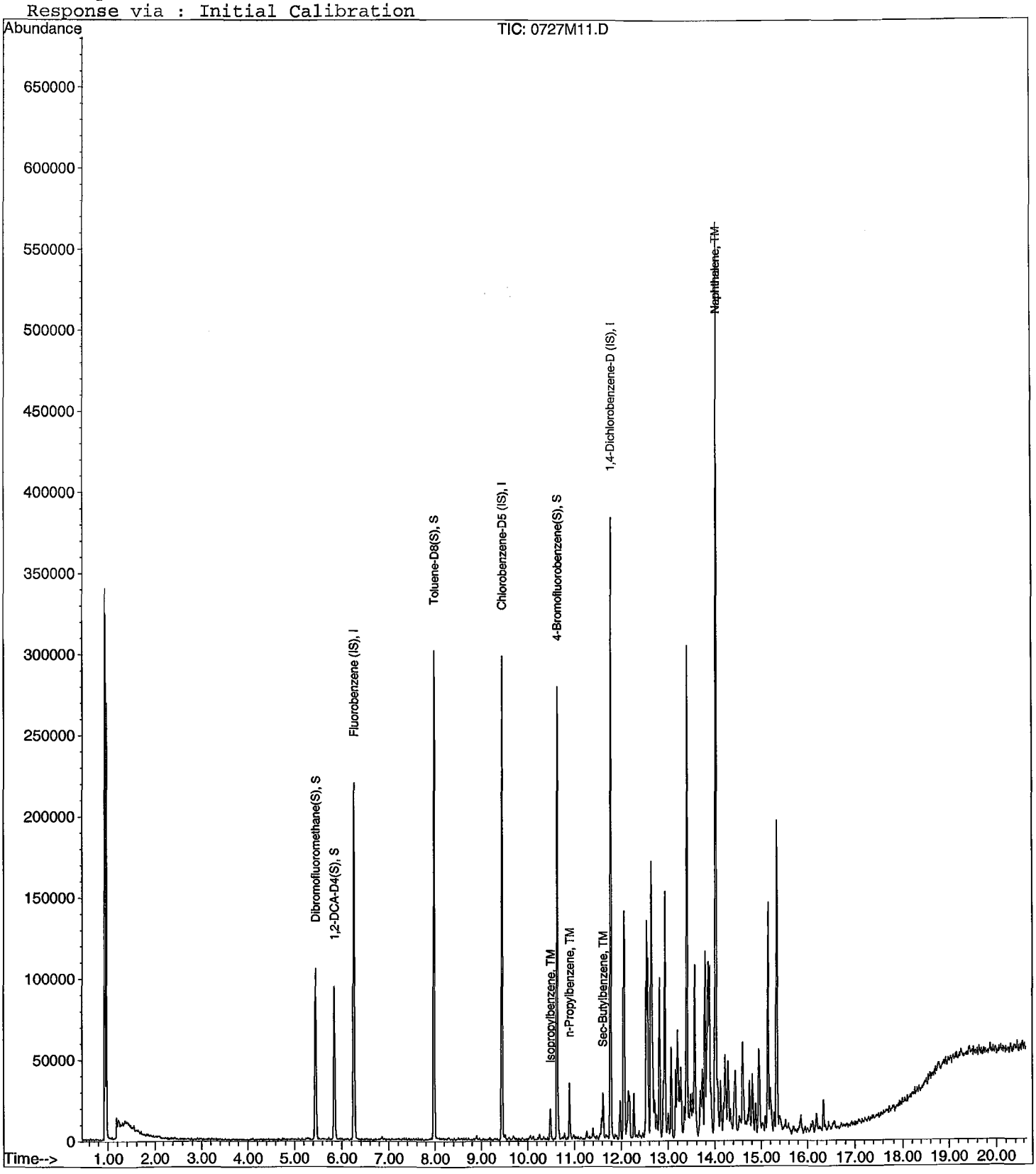
Quantitation Report

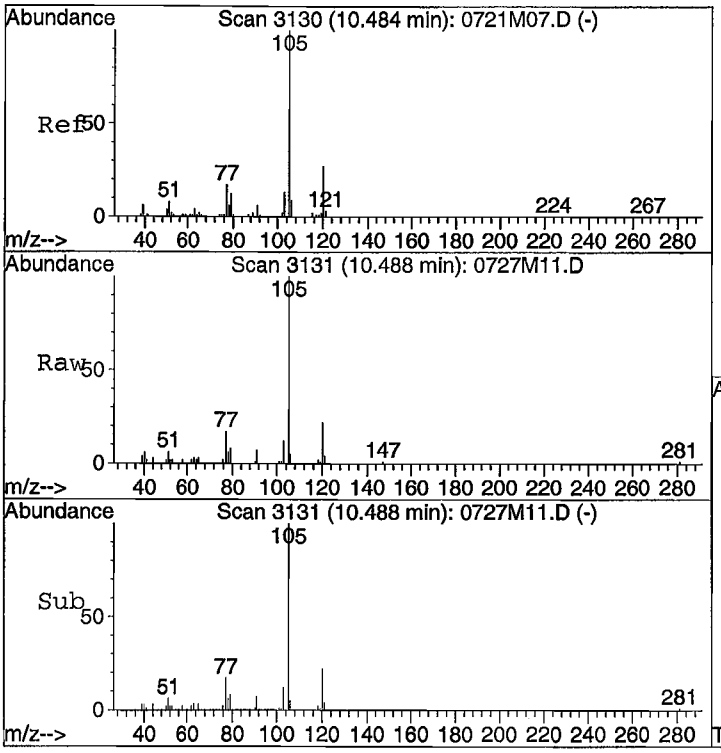
Data File : M:\MAX\DATA\210721\0727M11.D
Acq On : 27 Jul 21 16:40
Sample : BA36550W01
Misc : IS&S 6/4/21

Vial: 11
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 10:57 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration

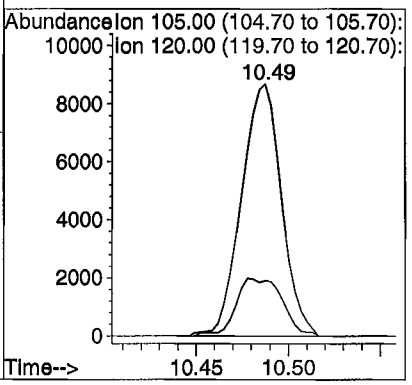


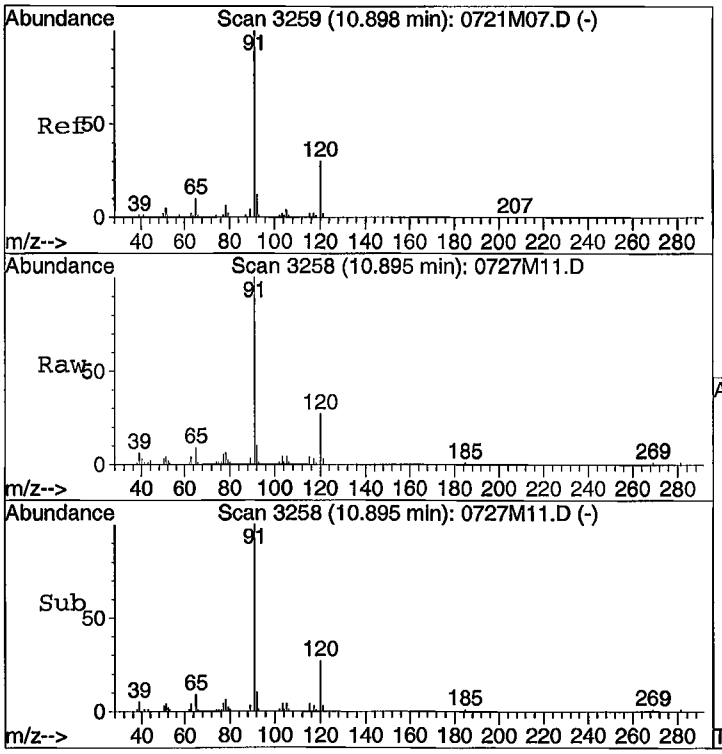


#79
Isopropylbenzene
Concen: 2.60 ppb
RT: 10.49 min Scan# 3131
Delta R.T. 0.00 min
Lab File: 0727M11.D
Acq: 27 Jul 21 16:40

Tgt Ion:105 Resp: 13041

Ion	Ratio	Lower	Upper
105	100		
120	21.8	21.4	32.0

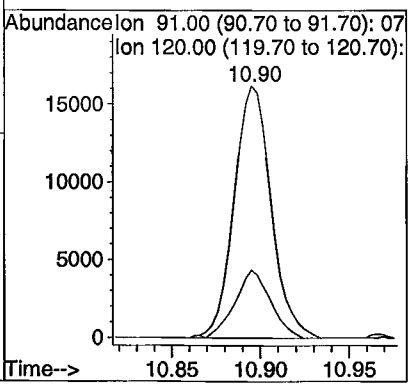


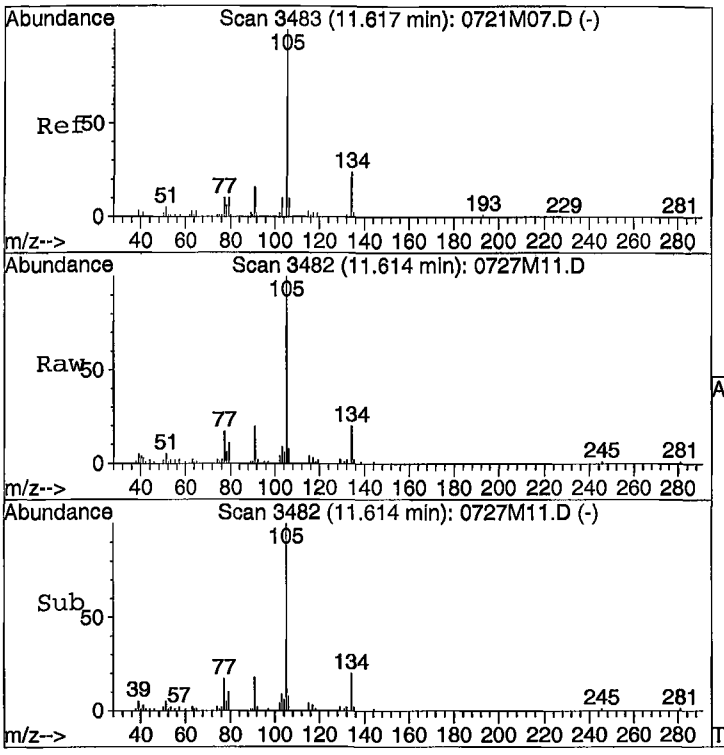


#84
n-Propylbenzene
Concen: 4.26 ppb
RT: 10.90 min Scan# 3258
Delta R.T. -0.00 min
Lab File: 0727M11.D
Acq: 27 Jul 21 16:40

Tgt Ion: 91 Resp: 23459

Ion	Ratio	Lower	Upper
91	100		
120	26.9	20.9	38.9

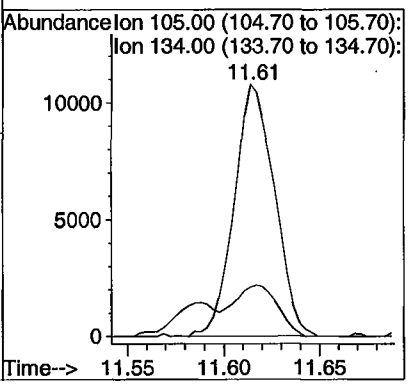


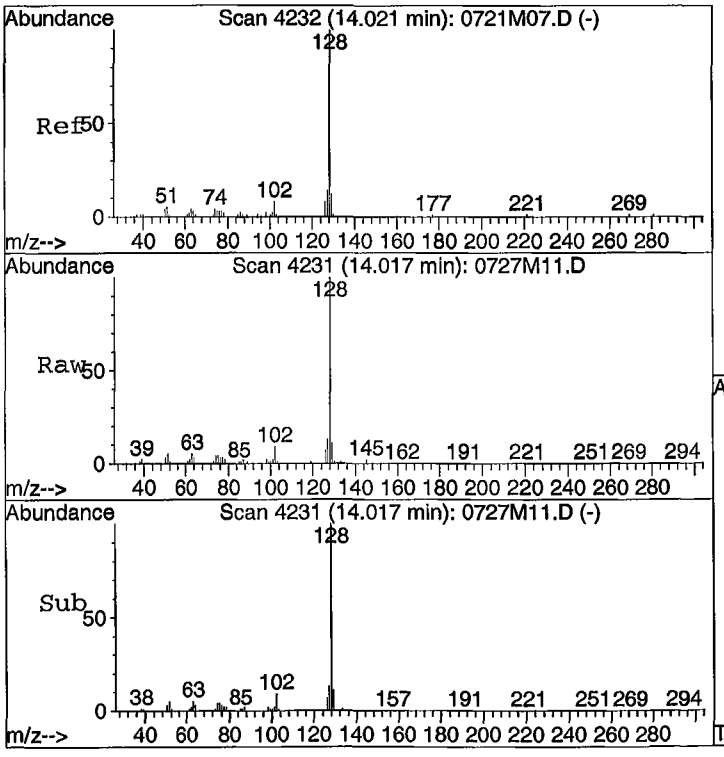


#91
Sec-Butylbenzene
Concen: 3.42 ppb
RT: 11.61 min Scan# 3482
Delta R.T. -0.00 min
Lab File: 0727M11.D
Acq: 27 Jul 21 16:40

Tgt Ion:105 Resp: 15849

Ion	Ratio	Lower	Upper
105	100		
134	19.6	16.9	31.5

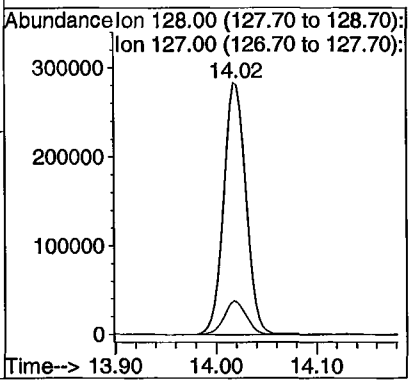




#102
Naphthalene
Concen: 208.55 ppb
RT: 14.02 min Scan# 4231
Delta R.T. -0.00 min
Lab File: 0727M11.D
Acq: 27 Jul 21 16:40

Tgt Ion:128 Resp: 283520

Ion	Ratio	Lower	Upper
128	100		
127	13.4	11.0	16.6



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M12.D Vial: 12
Acq On : 27 Jul 21 17:08 Operator: LP,DG,CH
Sample : BA36552W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 10:59 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	194613	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	165397	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	108073	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	60239	25.87 ppb	0.00
Spiked Amount 25.000			Recovery =	103.484%	
44) 1,2-DCA-D4(S)	5.85	65	41264	27.93 ppb	0.00
Spiked Amount 25.000			Recovery =	111.704%	
64) Toluene-D8(S)	7.98	98	184797	24.99 ppb	0.00
Spiked Amount 25.000			Recovery =	99.960%	
72) 4-Bromofluorobenzene(S)	10.63	95	71601	24.48 ppb	0.00
Spiked Amount 25.000			Recovery =	97.936%	

Target Compounds Qvalue

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

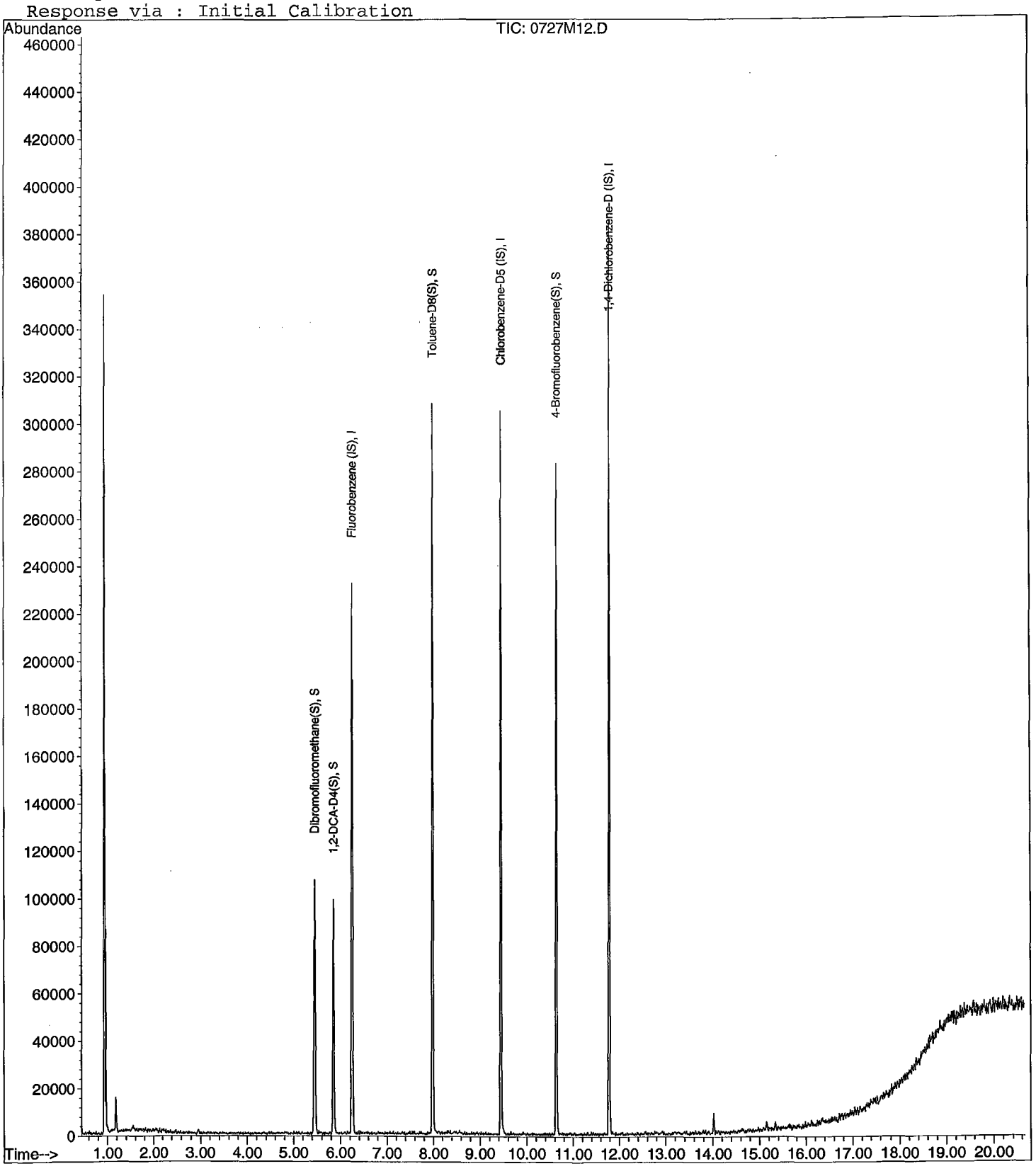
Quantitation Report

Data File : M:\MAX\DATA\210721\0727M12.D
Acq On : 27 Jul 21 17:08
Sample : BA36552W01
Misc : IS&S 6/4/21

Vial: 12
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 10:59 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M13.D Vial: 13
Acq On : 27 Jul 21 17:36 Operator: LP,DG,CH
Sample : BA36553W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:01 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	188253	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	160869	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	104642	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	58738	26.08 ppb	0.00
Spiked Amount 25.000			Recovery =	104.316%	
44) 1,2-DCA-D4(S)	5.85	65	39296	27.49 ppb	0.00
Spiked Amount 25.000			Recovery =	109.972%	
64) Toluene-D8(S)	7.98	98	180918	25.15 ppb	0.00
Spiked Amount 25.000			Recovery =	100.616%	
72) 4-Bromofluorobenzene(S)	10.63	95	71868	25.27 ppb	0.00
Spiked Amount 25.000			Recovery =	101.068%	

Target Compounds Qvalue

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

Quantitation Report

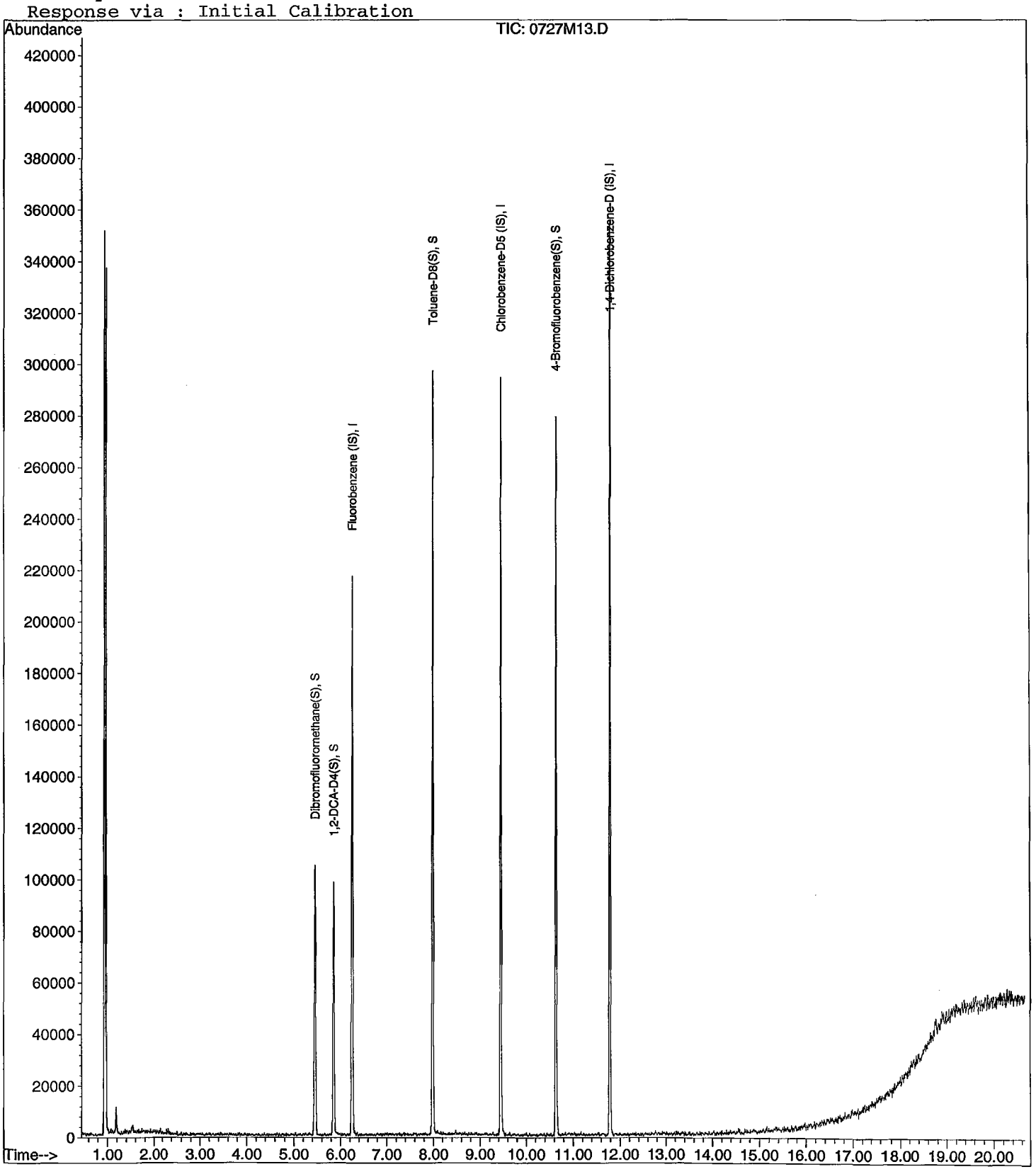
Data File : M:\MAX\DATA\210721\0727M13.D
Acq On : 27 Jul 21 17:36
Sample : BA36553W01
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:01 2021

Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M14.D Vial: 14
Acq On : 27 Jul 21 18:04 Operator: LP,DG,CH
Sample : BA36555W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:02 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	192430	25.00	ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	165541	25.00	ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	103869	25.00	ppb	0.00
System Monitoring Compounds						
39) Dibromofluoromethane(S)	5.46	111	60895	26.45	ppb	0.00
Spiked Amount 25.000			Recovery = 105.800%			
44) 1,2-DCA-D4(S)	5.85	65	40208	27.52	ppb	0.00
Spiked Amount 25.000			Recovery = 110.080%			
64) Toluene-D8(S)	7.98	98	181489	24.52	ppb	0.00
Spiked Amount 25.000			Recovery = 98.088%			
72) 4-Bromofluorobenzene(S)	10.63	95	71643	24.48	ppb	0.00
Spiked Amount 25.000			Recovery = 97.908%			

Target Compounds Qvalue

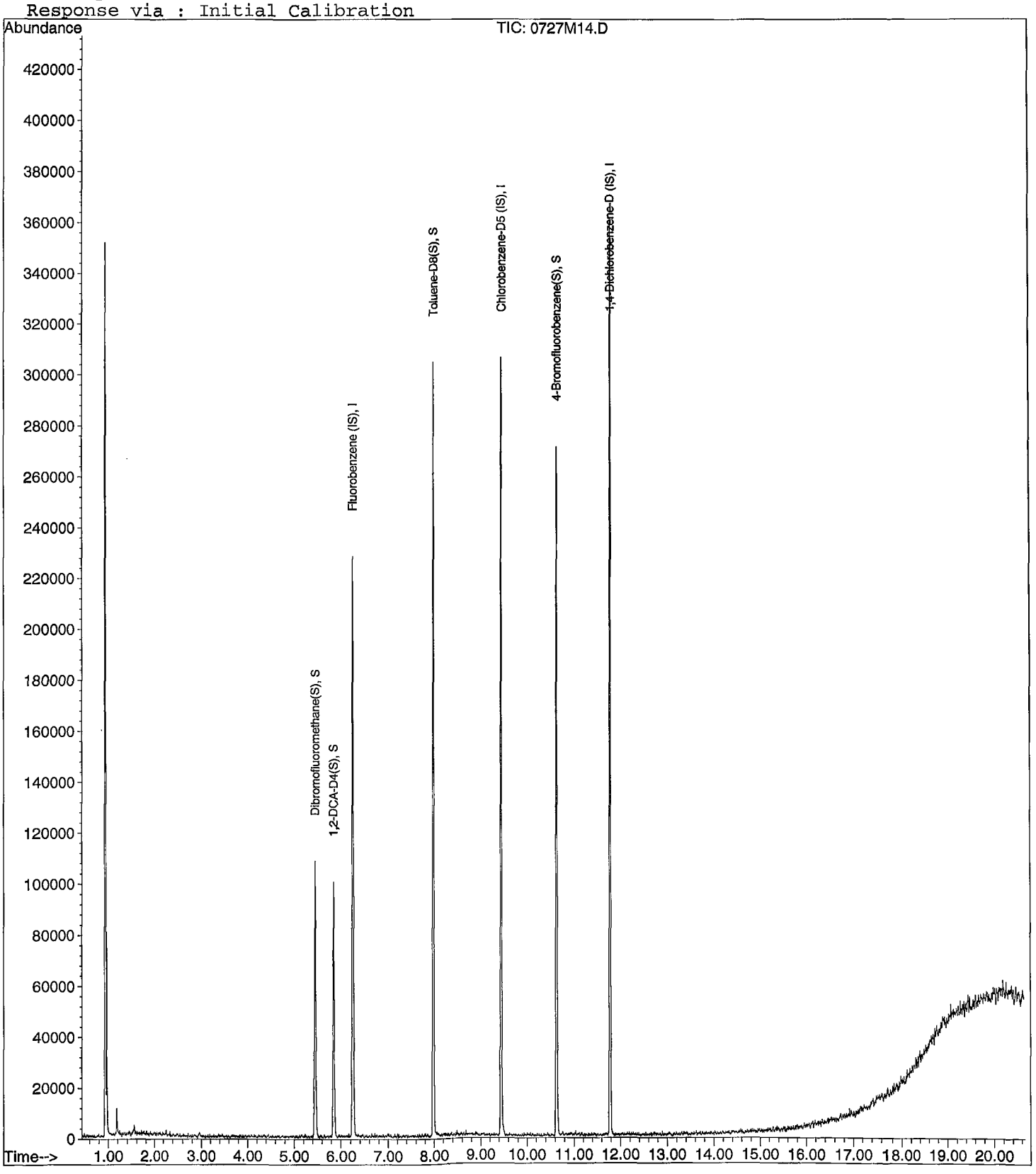
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M14.D Vial: 14
Acq On : 27 Jul 21 18:04 Operator: LP,DG,CH
Sample : BA36555W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:02 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M15.D Vial: 15
Acq On : 27 Jul 21 18:32 Operator: LP,DG,CH
Sample : BA36556W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:04 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	186508	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	164708	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	104097	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.46	111	59130	26.50 ppb	0.00
Spiked Amount 25.000			Recovery =	105.992%	
44) 1,2-DCA-D4(S)	5.85	65	39384	27.81 ppb	0.00
Spiked Amount 25.000			Recovery =	111.248%	
64) Toluene-D8(S)	7.98	98	182989	24.85 ppb	0.00
Spiked Amount 25.000			Recovery =	99.396%	
72) 4-Bromofluorobenzene(S)	10.63	95	71190	24.45 ppb	0.00
Spiked Amount 25.000			Recovery =	97.784%	
Target Compounds					Qvalue

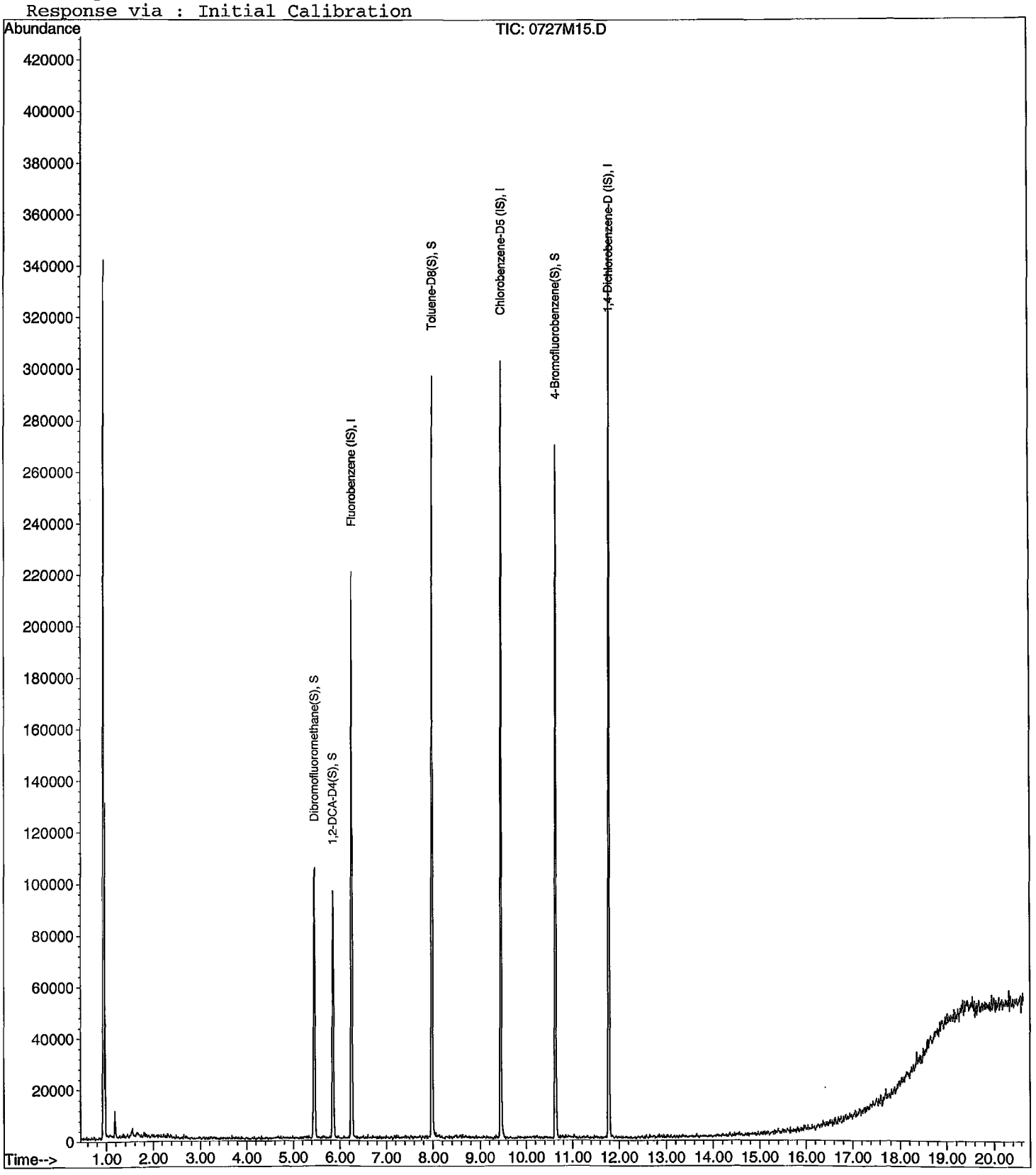
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M15.D Vial: 15
Acq On : 27 Jul 21 18:32 Operator: LP,DG,CH
Sample : BA36556W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:04 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M07.D Vial: 7
Acq On : 27 Jul 21 14:48 Operator: LP,DG,CH
Sample : 210727A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 15:36 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	188076	25.00 ppb	0.00
63) Chlorobenzene-D5 (IS)	9.44	117	165911	25.00 ppb	0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	103707	25.00 ppb	0.00
System Monitoring Compounds					
39) Dibromofluoromethane(S)	5.45	111	58129	25.83 ppb	0.00
Spiked Amount 25.000			Recovery = 103.332%		
44) 1,2-DCA-D4(S)	5.85	65	38792	27.17 ppb	0.00
Spiked Amount 25.000			Recovery = 108.660%		
64) Toluene-D8(S)	7.98	98	183027	24.67 ppb	0.00
Spiked Amount 25.000			Recovery = 98.696%		
72) 4-Bromofluorobenzene(S)	10.63	95	72645	24.76 ppb	0.00
Spiked Amount 25.000			Recovery = 99.056%		

Target Compounds Qvalue

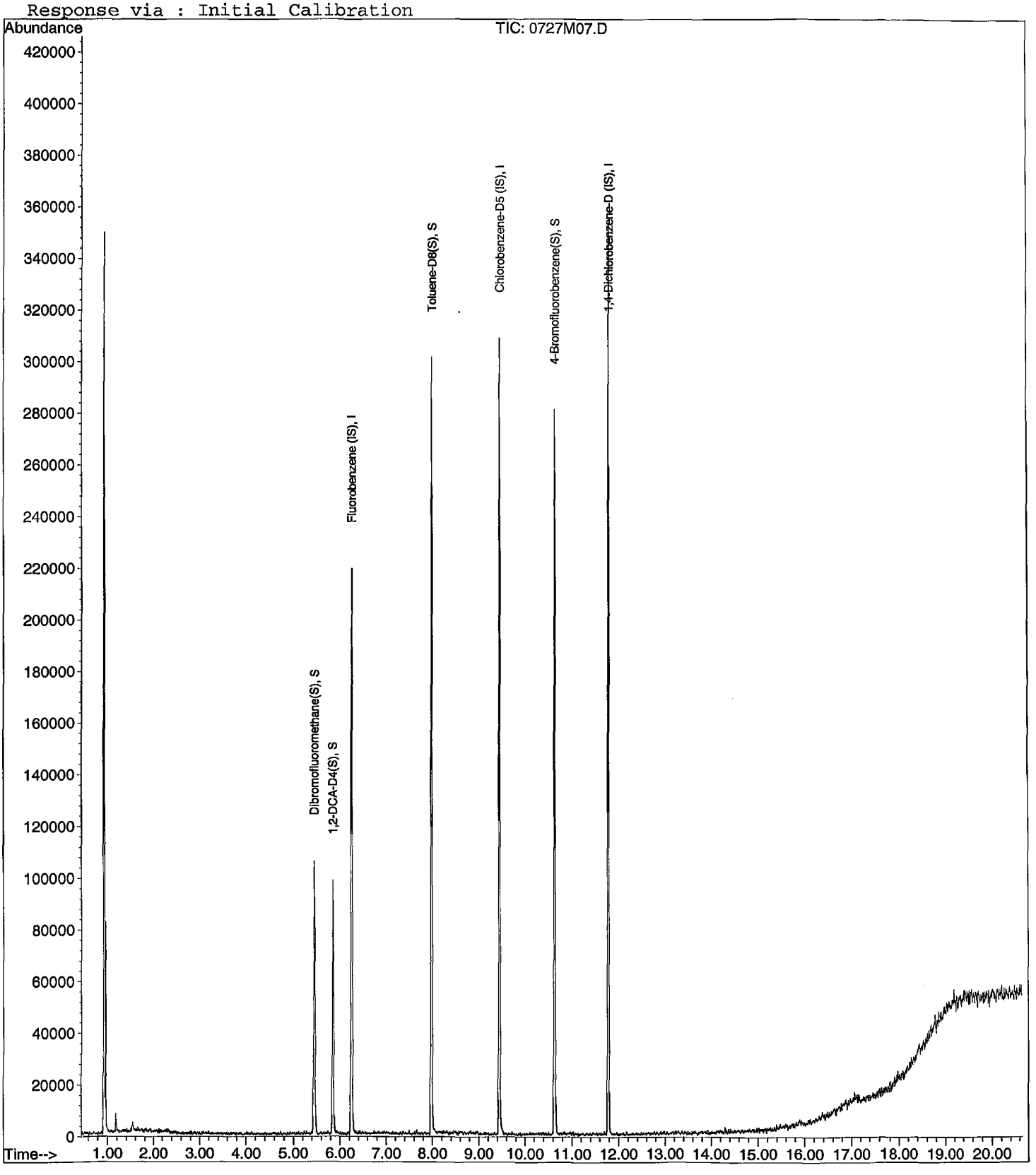
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M07.D Vial: 7
Acq On : 27 Jul 21 14:48 Operator: LP,DG,CH
Sample : 210727A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 15:36 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M03.D Vial: 3
Acq On : 27 Jul 21 12:57 Operator: LP,DG,CH
Sample : 210727A LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	194598	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	168234	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	110962	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.46	111	60867	26.14	ppb		0.00
Spiked Amount 25.000			Recovery = 104.572%				
44) 1,2-DCA-D4(S)	5.85	65	41824	28.31	ppb		0.00
Spiked Amount 25.000			Recovery = 113.228%				
64) Toluene-D8(S)	7.98	98	190681	25.35	ppb		0.00
Spiked Amount 25.000			Recovery = 101.404%				
72) 4-Bromofluorobenzene(S)	10.63	95	75281	25.31	ppb		0.00
Spiked Amount 25.000			Recovery = 101.236%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.10	85	12272	11.20	ppb	#	81
4) Freon 114	1.19	85	7908	9.35	ppb		94
5) Chloromethane	1.23	50	7194	8.08	ppb		94
6) Vinyl chloride	1.32	62	8510	10.13	ppb		97
8) Bromomethane	1.58	94	5816	9.54	ppb		89
9) Chloroethane	1.68	64	4054	9.27	ppb	#	85
10) Dichlorofluoromethane	1.86	67	17055	9.96	ppb		99
11) Trichlorofluoromethane	1.90	101	20423	10.77	ppb		83
13) Acrolein	2.32	56	11469	89.05	ppb		92
14) Acetone	2.49	43	14575	49.53	ppb	#	82
15) Freon-113	2.41	151	8964	9.82	ppb		89
16) Acetonitrile	2.80	41	10111	112.96	ppb	#	86
18) 1,1-DCE	2.39	61	13833	9.99	ppb	#	88
19) t-Butanol	3.22	59	11315	122.81	ppb	#	74
20) Methyl Acetate	2.88	43	5444	8.58	ppb		93
21) Iodomethane	2.54	142	9802	10.06	ppb		93
22) Acrylonitrile	3.30	53	2876	9.30	ppb	#	77
24) Methylene chloride	2.95	84	10157	10.63	ppb		93
25) Carbon disulfide	2.59	76	12357	8.22	ppb		98
26) Methyl t-butyl ether (MtBE	3.34	73	29045	9.00	ppb		96
27) Trans-1,2-DCE	3.29	96	9360	8.87	ppb		79
29) Diisopropyl Ether	4.11	45	22210	8.62	ppb		90
30) 1,1-DCA	3.91	63	16583	9.41	ppb		92
31) Vinyl Acetate	4.08	43	8603	10.58	ppb	#	67
32) Ethyl tert Butyl Ether	4.65	59	27376	9.50	ppb		95
33) Methylcyclopentane	4.65	56	1279	9.08	ppb		100
34) MEK (2-Butanone)	4.88	43	15764	45.85	ppb	#	87
35) Cis-1,2-DCE	4.79	96	10631	9.12	ppb		84
36) 2,2-Dichloropropane	4.77	77	18885	10.14	ppb		95
37) Chloroform	5.25	83	20478	9.44	ppb		96
38) Bromochloromethane	5.11	130	8631	10.37	ppb		88
40) 1,1,1-TCA	5.43	97	23671	11.99	ppb		90
41) Cyclohexane	5.48	41	6306	8.89	ppb		84
42) 1,1-Dichloropropene	5.65	75	11613	8.61	ppb		96
43) 2,2,4-Trimethylpentane	6.02	57	18357	9.71	ppb		98
45) Carbon Tetrachloride	5.63	117	19979	10.55	ppb		95
46) Tert Amyl Methyl Ether	6.10	73	26352	8.90	ppb	#	89
47) 1,2-DCA	5.95	62	18571	10.01	ppb		94
48) Benzene	5.90	78	36020	9.55	ppb		95
49) TCE	6.67	95	10012	8.67	ppb		95

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M03.D Vial: 3
Acq On : 27 Jul 21 12:57 Operator: LP,DG,CH
Sample : 210727A LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.94	43	62914	119.15	ppb		99
51)	1,2-Dichloropropane	6.92	63	4389	8.88	ppb	#	72
52)	Bromodichloromethane	7.24	83	17299	10.86	ppb		91
53)	Methyl Cyclohexane	6.85	83	11197	8.51	ppb		83
54)	Dibromomethane	7.04	93	7156	11.33	ppb		94
55)	MIBK (methyl isobutyl ket	7.92	43	35556	49.60	ppb		95
56)	1-Bromo-2-chloroethane	7.55	144	2184	9.38	ppb		76
58)	Cis-1,3-Dichloropropene	7.72	39	10293	10.54	ppb		91
59)	Toluene	8.05	91	41179	10.09	ppb		96
60)	Trans-1,3-Dichloropropene	8.31	75	15442	9.90	ppb		99
61)	1,1,2-TCA	8.49	83	6809	9.39	ppb		93
62)	2-Hexanone	8.78	43	22336	49.50	ppb		87
65)	1,2-EDB	8.97	107	8749	8.62	ppb		96
66)	Tetrachloroethene	8.60	164	9155	10.01	ppb		87
67)	1-Chlorohexane	9.48	91	10317	9.07	ppb		92
68)	1,1,1,2-Tetrachloroethane	9.57	131	14854	11.45	ppb		90
69)	m&p-Xylene	9.72	106	38181	20.02	ppb		98
70)	o-Xylene	10.11	106	19738	10.15	ppb		96
71)	Styrene	10.13	104	30958	9.87	ppb		94
73)	1,3-Dichloropropane	8.66	76	14398	9.37	ppb		96
74)	Dibromochloromethane	8.87	129	14133	10.08	ppb		90
75)	Chlorobenzene	9.47	112	31148	10.27	ppb		97
76)	Ethylbenzene	9.60	91	48536	10.35	ppb		98
77)	Bromoform	10.30	173	11404	9.83	ppb		96
79)	Isopropylbenzene	10.48	105	49398	9.46	ppb		99
80)	1,1,2,2-Tetrachloroethane	10.80	83	9295	8.92	ppb		91
81)	1,2,3-Trichloropropane	10.83	110	4905	11.24	ppb		90
82)	t-1,4-Dichloro-2-Butene	10.86	53	2628	9.30	ppb		99
83)	Bromobenzene	10.77	156	16705	9.64	ppb		93
84)	n-Propylbenzene	10.90	91	48615	8.47	ppb		99
85)	4-Ethyltoluene	11.01	105	48201	9.50	ppb		99
86)	2-Chlorotoluene	10.97	91	39944	10.66	ppb		92
87)	1,3,5-Trimethylbenzene	11.08	105	43765	9.79	ppb		95
88)	4-Chlorotoluene	11.08	91	40828	10.07	ppb		94
89)	Tert-Butylbenzene	11.40	119	24960	10.39	ppb		94
90)	1,2,4-Trimethylbenzene	11.45	105	44284	10.20	ppb		99
91)	Sec-Butylbenzene	11.62	105	49387	10.23	ppb		97
92)	p-Isopropyltoluene	11.77	119	46217	10.19	ppb		96
93)	Benzyl Chloride	11.95	91	14826	9.64	ppb		97
94)	1,3-DCB	11.80	146	32280	10.45	ppb		95
95)	1,4-DCB	11.71	146	31422	10.24	ppb		93
96)	n-Butylbenzene	12.18	91	30378	10.50	ppb		96
97)	1,2-DCB	12.17	146	28712	10.04	ppb		97
98)	Hexachloroethane	12.42	117	8860	9.96	ppb		97
99)	1,2-Dibromo-3-chloropropan	12.95	157	3208	9.17	ppb		98
100)	1,2,4-Trichlorobenzene	13.78	180	16486	9.92	ppb		98
101)	Hexachlorobutadiene	13.96	225	12634	10.55	ppb	#	69
102)	Naphthalene	14.02	128	13014	9.95	ppb		99
103)	1,2,3-Trichlorobenzene	14.26	180	14166	9.66	ppb		94

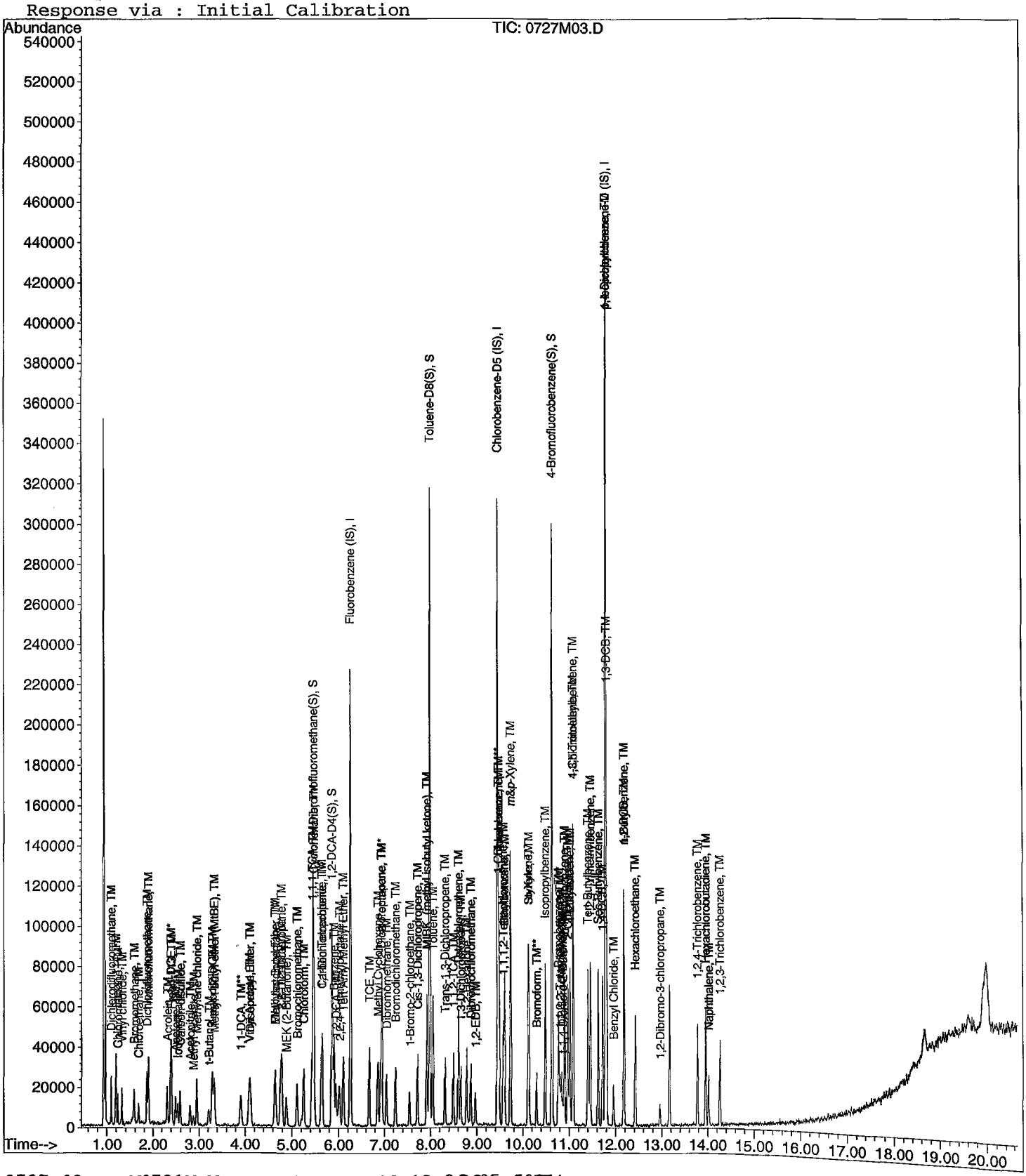
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M03.D Vial: 3
Acq On : 27 Jul 21 12:57 Operator: LP,DG,CH
Sample : 210727A LCS 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M04.D Vial: 4
Acq On : 27 Jul 21 13:24 Operator: LP,DG,CH
Sample : 210727A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Fluorobenzene (IS)	6.25	96	189738	25.00	ppb		0.00
63) Chlorobenzene-D5 (IS)	9.44	117	162982	25.00	ppb		0.00
78) 1,4-Dichlorobenzene-D (IS)	11.78	152	111911	25.00	ppb		0.00
System Monitoring Compounds							
39) Dibromofluoromethane(S)	5.46	111	57382	25.28	ppb		0.00
Spiked Amount 25.000			Recovery = 101.108%				
44) 1,2-DCA-D4(S)	5.85	65	38992	27.07	ppb		0.00
Spiked Amount 25.000			Recovery = 108.264%				
64) Toluene-D8(S)	7.98	98	187893	25.79	ppb		0.00
Spiked Amount 25.000			Recovery = 103.144%				
72) 4-Bromofluorobenzene(S)	10.63	95	75648	26.25	ppb		0.00
Spiked Amount 25.000			Recovery = 105.004%				
Target Compounds							Qvalue
3) Dichlorodifluoromethane	1.10	85	11222	10.55	ppb		91
4) Freon 114	1.19	85	7928	9.62	ppb		100
5) Chloromethane	1.23	50	7286	8.40	ppb		100
6) Vinyl chloride	1.32	62	7615	9.35	ppb		97
8) Bromomethane	1.58	94	5327	8.96	ppb		96
9) Chloroethane	1.68	64	4266	10.03	ppb		98
10) Dichlorofluoromethane	1.86	67	18005	10.79	ppb		86
11) Trichlorofluoromethane	1.90	101	21375	11.56	ppb		98
13) Acrolein	2.32	56	12026	95.77	ppb		96
14) Acetone	2.49	43	13862	48.32	ppb		92
15) Freon-113	2.41	151	9578	10.76	ppb	#	85
16) Acetonitrile	2.80	41	9321	106.80	ppb		87
18) 1,1-DCE	2.39	61	13640	10.10	ppb		96
19) t-Butanol	3.22	59	10549	117.43	ppb	#	87
20) Methyl Acetate	2.87	43	5623	9.09	ppb		96
21) Iodomethane	2.54	142	9434	9.96	ppb		93
22) Acrylonitrile	3.31	53	2874	9.53	ppb	#	70
24) Methylene chloride	2.95	84	10926	11.73	ppb		87
25) Carbon disulfide	2.59	76	13716	9.35	ppb		94
26) Methyl t-butyl ether (MtBE	3.33	73	30045	9.54	ppb		100
27) Trans-1,2-DCE	3.29	96	9648	9.38	ppb		85
29) Diisopropyl Ether	4.10	45	22650	9.02	ppb		93
30) 1,1-DCA	3.91	63	16700	9.72	ppb		96
31) Vinyl Acetate	4.09	43	8917	11.19	ppb	#	57
32) Ethyl tert Butyl Ether	4.65	59	26051	9.27	ppb		91
33) Methylcyclopentane	4.65	56	1293	9.42	ppb		100
34) MEK (2-Butanone)	4.88	43	15439	46.05	ppb		96
35) Cis-1,2-DCE	4.79	96	12075	10.63	ppb		96
36) 2,2-Dichloropropane	4.77	77	19500	10.74	ppb		94
37) Chloroform	5.25	83	21280	10.06	ppb		95
38) Bromochloromethane	5.11	130	8393	10.34	ppb	#	80
40) 1,1,1-TCA	5.43	97	22242	11.55	ppb		94
41) Cyclohexane	5.48	41	6442	9.32	ppb		73
42) 1,1-Dichloropropene	5.65	75	12108	9.21	ppb		91
43) 2,2,4-Trimethylpentane	6.03	57	18535	10.06	ppb		97
45) Carbon Tetrachloride	5.63	117	22221	12.04	ppb		86
46) Tert Amyl Methyl Ether	6.10	73	26448	9.16	ppb	#	87
47) 1,2-DCA	5.95	62	18249	10.09	ppb		94
48) Benzene	5.90	78	37236	10.12	ppb		92
49) TCE	6.67	95	10112	8.98	ppb		97

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

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M04.D Vial: 4
Acq On : 27 Jul 21 13:24 Operator: LP,DG,CH
Sample : 210727A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

Quant Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

	Compound	R.T.	QIon	Response	Conc	Unit		Qvalue
50)	2-Pentanone	6.94	43	64029	124.37	ppb		99
51)	1,2-Dichloropropane	6.92	63	4755	9.86	ppb	#	90
52)	Bromodichloromethane	7.24	83	16744	10.78	ppb		97
53)	Methyl Cyclohexane	6.86	83	13461	10.49	ppb		86
54)	Dibromomethane	7.04	93	6680	10.85	ppb		97
55)	MIBK (methyl isobutyl ket	7.92	43	34133	48.84	ppb		94
56)	1-Bromo-2-chloroethane	7.55	144	2641	11.76	ppb		73
58)	Cis-1,3-Dichloropropene	7.72	39	9916	10.41	ppb		97
59)	Toluene	8.05	91	40837	10.26	ppb		100
60)	Trans-1,3-Dichloropropene	8.31	75	15490	10.19	ppb		93
61)	1,1,2-TCA	8.49	83	6609	9.35	ppb		77
62)	2-Hexanone	8.78	43	23278	52.91	ppb		87
65)	1,2-EDB	8.97	107	9584	9.75	ppb		99
66)	Tetrachloroethene	8.60	164	9614	10.86	ppb		89
67)	1-Chlorohexane	9.48	91	10403	9.44	ppb		84
68)	1,1,1,2-Tetrachloroethane	9.57	131	15004	11.94	ppb		82
69)	m&p-Xylene	9.72	106	40018	21.65	ppb		98
70)	o-Xylene	10.11	106	18922	10.04	ppb		84
71)	Styrene	10.13	104	32190	10.59	ppb		97
73)	1,3-Dichloropropane	8.66	76	14461	9.71	ppb		96
74)	Dibromochloromethane	8.88	129	14329	10.55	ppb		97
75)	Chlorobenzene	9.47	112	31538	10.73	ppb		92
76)	Ethylbenzene	9.60	91	48717	10.72	ppb		93
77)	Bromoform	10.30	173	11929	10.61	ppb		98
79)	Isopropylbenzene	10.48	105	50842	9.65	ppb		99
80)	1,1,2,2-Tetrachloroethane	10.80	83	9815	9.34	ppb	#	81
81)	1,2,3-Trichloropropane	10.83	110	3968	9.01	ppb		86
82)	t-1,4-Dichloro-2-Butene	10.85	53	2884	10.11	ppb		88
83)	Bromobenzene	10.77	156	17085	9.77	ppb		97
84)	n-Propylbenzene	10.90	91	52944	9.15	ppb		96
85)	4-Ethyltoluene	11.01	105	51034	9.97	ppb		97
86)	2-Chlorotoluene	10.97	91	33123	8.77	ppb		92
87)	1,3,5-Trimethylbenzene	11.08	105	46063	10.21	ppb		92
88)	4-Chlorotoluene	11.08	91	40043	9.79	ppb		100
89)	Tert-Butylbenzene	11.40	119	25256	10.42	ppb		96
90)	1,2,4-Trimethylbenzene	11.45	105	44607	10.18	ppb		96
91)	Sec-Butylbenzene	11.62	105	51108	10.50	ppb		100
92)	p-Isopropyltoluene	11.77	119	48254	10.55	ppb		99
93)	Benzyl Chloride	11.95	91	13904	8.97	ppb		96
94)	1,3-DCB	11.80	146	31428	10.09	ppb		96
95)	1,4-DCB	11.71	146	31197	10.08	ppb		94
96)	n-Butylbenzene	12.18	91	31051	10.65	ppb		95
97)	1,2-DCB	12.17	146	30058	10.42	ppb		95
98)	Hexachloroethane	12.42	117	8639	9.63	ppb		93
99)	1,2-Dibromo-3-chloropropan	12.96	157	3396	9.62	ppb	#	90
100)	1,2,4-Trichlorobenzene	13.78	180	15910	9.66	ppb		92
101)	Hexachlorobutadiene	13.96	225	12571	10.43	ppb	#	68
102)	Naphthalene	14.02	128	12575	9.57	ppb		100
103)	1,2,3-Trichlorobenzene	14.26	180	13633	9.30	ppb		98

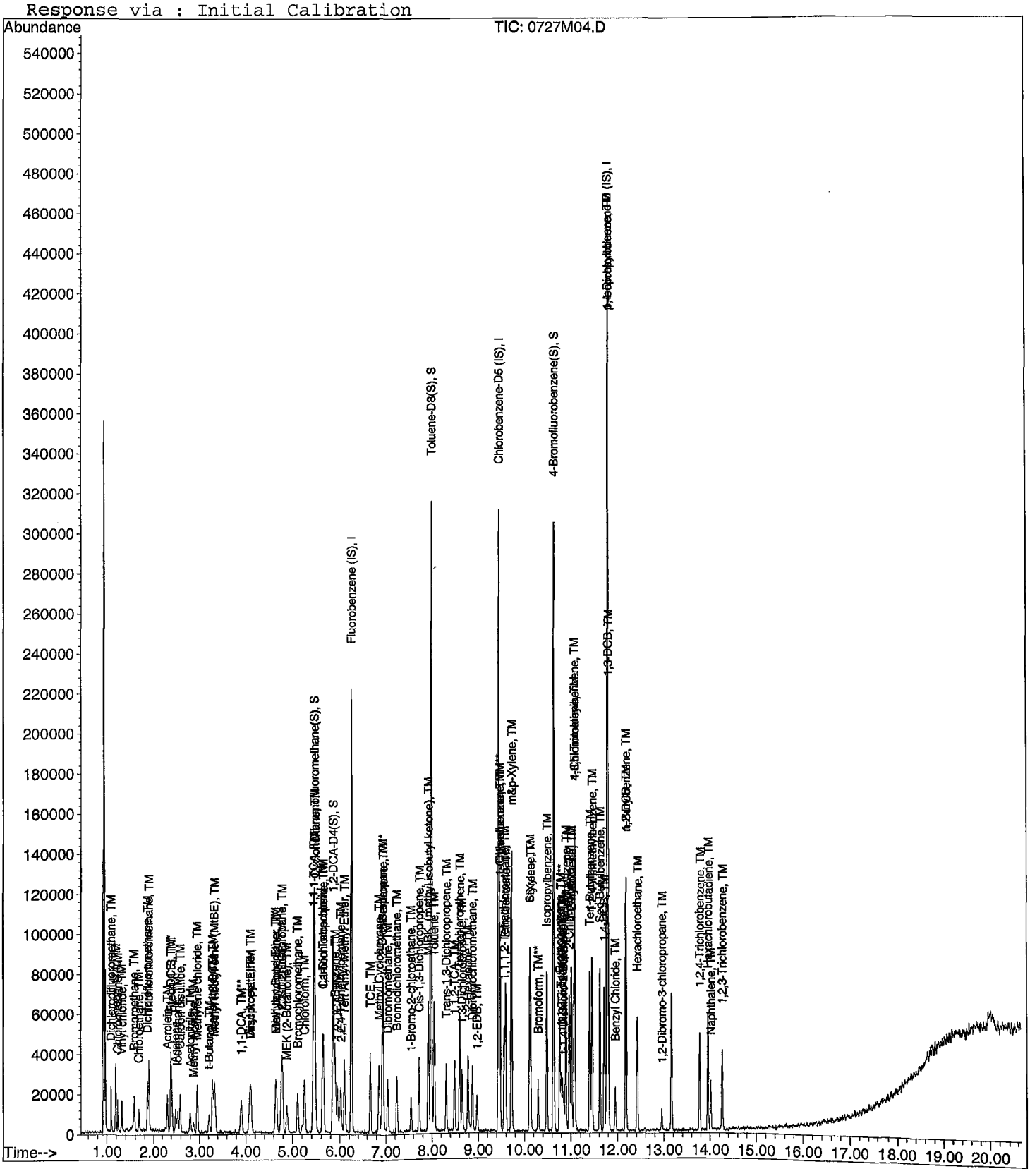
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M04.D Vial: 4
Acq On : 27 Jul 21 13:24 Operator: LP,DG,CH
Sample : 210727A LCSD 10ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 7:34 2021 Quant Results File: M0721W.RES

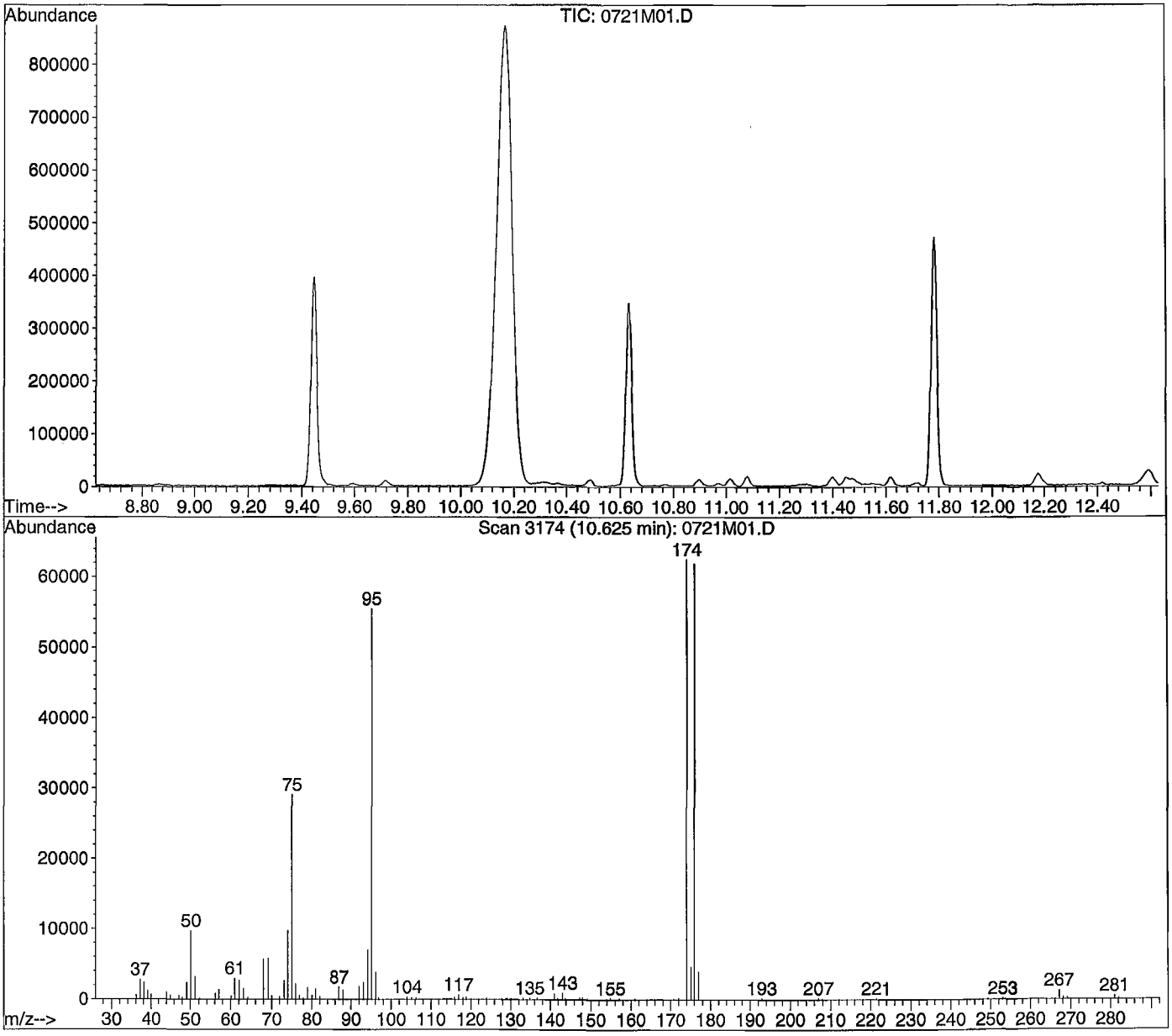
Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Data File : M:\MAX\DATA\210721\0721M01.D
Acq On : 21 Jul 21 13:42
Sample : 25ug/L BFB STD 3/23/21
Misc : IS&S 6/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B



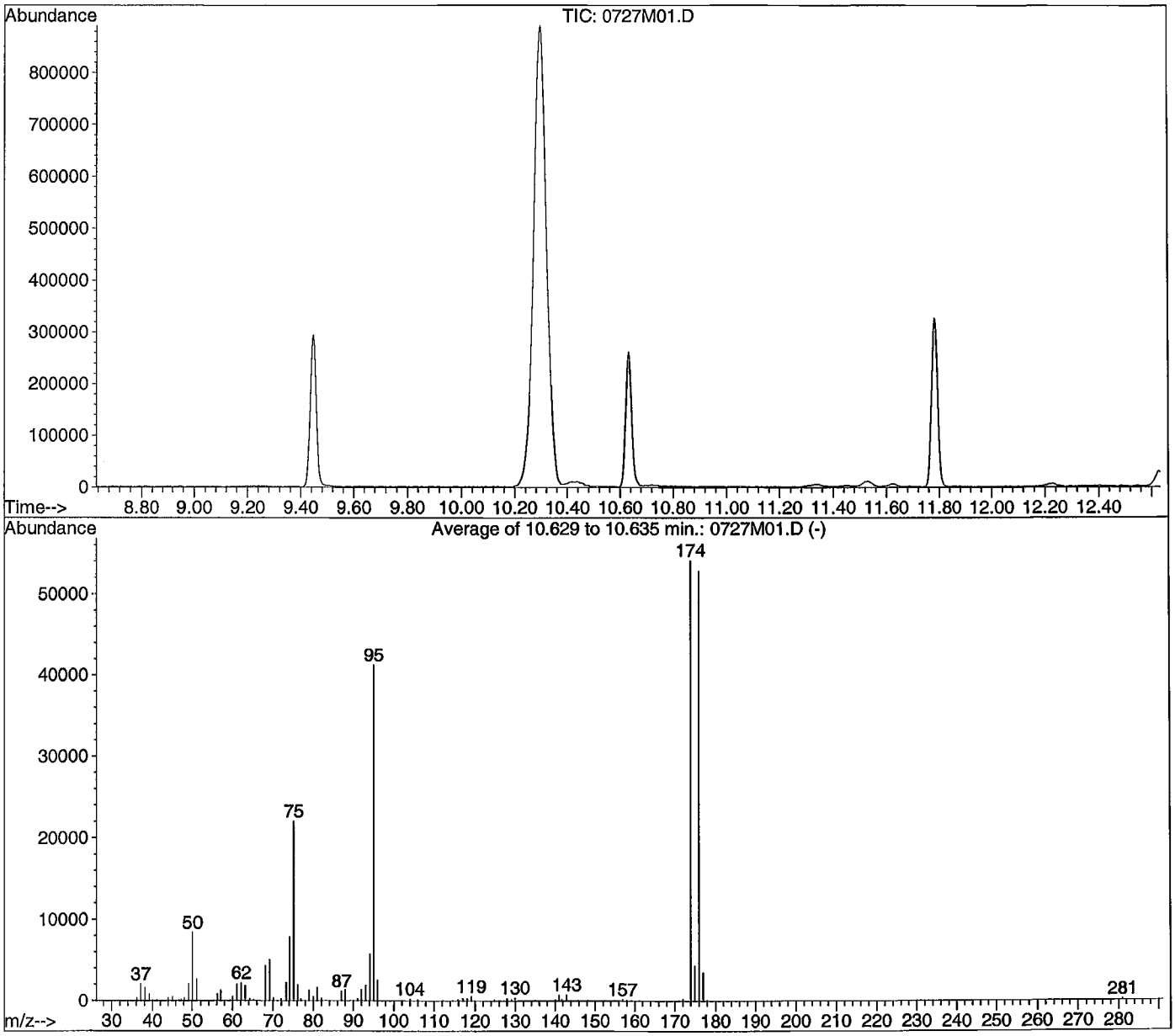
Spectrum Information: Scan 3174

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.5	9705	PASS
75	95	30	60	52.4	29064	PASS
95	95	100	200	100.0	55472	PASS
96	95	5	9	6.9	3816	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	112.6	62464	PASS
175	174	5	9	7.5	4664	PASS
176	174	95	101	99.0	61856	PASS
177	176	5	9	6.4	3947	PASS

Data File : M:\MAX\DATA\210721\0727M01.D
Acq On : 27 Jul 21 12:01
Sample : 25ug/L BFB STD 3/23/21
Misc : IS&S 6/4/21

Vial: 1
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Method : M:\MAX\DATA\210721\M0721W.M (RTE Integrator)
Title : METHOD 8260B



Spectrum Information: Average of 10.629 to 10.635 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.3	8377	PASS
75	95	30	60	53.4	22027	PASS
95	95	100	200	100.0	41243	PASS
96	95	5	9	6.3	2592	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	200	131.2	54096	PASS
175	174	5	9	8.0	4349	PASS
176	174	95	101	97.6	52781	PASS
177	176	5	9	6.7	3553	PASS

MAX 8260 Standard Prep

MAX 8260 Water Calibration Curve

0.3ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	3uL	50mL	P&T Water	0.3
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	5uL			5
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	2.5uL			5
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	2uL			10

0.5ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	5uL	50mL	P&T Water	0.5
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	10uL			10
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	5uL			10
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	5uL			25

1.0ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	10uL	50mL	P&T Water	1
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	20uL			20
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	10uL			20
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	10uL			50

2.0ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	20uL	50mL	P&T Water	2
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	30uL			30
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	15uL			30
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	15uL			75

5ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	5uL	50mL	P&T Water	5
VOA STD. 8	Phenova		50	Prepared 07/20/21	9/18/2021	N/A	5uL			5
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	40uL			40
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	20uL			20
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	20uL			100

10ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova		50	Prepared 07/20/21	9/18/2021	N/A	10uL			10
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	50uL			50
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	25uL			50
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	25uL			125

20ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	20uL	50mL	P&T Water	20
VOA STD. 8	Phenova		50	Prepared 07/20/21	9/18/2021	N/A	20uL			20
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	60uL			60
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	30uL			60
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	30uL			150

40ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	40uL	50mL	P&T Water	40
VOA STD. 8	Phenova		50	Prepared 07/20/21	9/18/2021	N/A	40uL			40
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	80uL			80
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	40uL			80
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	35uL			175

100ug/L

Prepared: 7/21/2021

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	100uL	50mL	P&T Water	100
VOA STD. 8	Phenova		50	Prepared 07/20/21	9/18/2021	N/A	100uL			100
VOA STD. 1	Absolute		50	Prepared 07/20/21	9/18/2021	N/A	100uL			100
VOA STD. 2	Phenova		100	Prepared 07/20/21	9/18/2021	N/A	50uL			100
VOA STD. TBA	Various		250	Prepared 07/20/21	9/18/2021	N/A	40uL			200

MAX 8260 Water Second Source (SS)

Prepared: 7/21/2021

Prepared By (Initials): CH

Expires: 8/11/2021

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 07/20/21	9/18/2021	N/A	25uL	50mL	P&T Water	50
VOA STD. GASES	Phenova	8260 Water SS	50	Prepared 07/20/21	9/18/2021	N/A	10uL			10
VOA STD. 0	Phenova	8260 Water SS	50	Prepared 07/20/21	9/18/2021	N/A	10uL			10
VOA STD. 2-CEVE	Absolute	8260 Water SS	50	Prepared 07/20/21	7/20/2021	N/A	50uL			50
VOA STD. 6	Various	8260 Water SS	50	Prepared 07/20/21	8/11/2021	N/A	10uL			10
Voa STD. TBA	Various	8260 Water SS	250	Prepared 07/20/21	8/11/2021	N/A	25uL			250

8260 Water Continuing Calibrations (CCV)/ Lab Control Spikes (LCS)

Prepared: 7/21/2021

Prepared By (Initials): CH

Expires: 7/22/2021

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 07/20/21	9/18/2021	N/A	10uL	50mL	P&T Water	10
VOA STD. 8	Phenova	CCV/ LCS	50	Prepared 07/20/21	9/18/2021	N/A	10uL			10
VOA STD. 1	Absolute	CCV/ LCS	50	Prepared 07/20/21	9/18/2021	N/A	50uL			50
VOA STD. 2	Phenova	CCV/ LCS	100	Prepared 07/20/21	9/18/2021	N/A	25uL			50
VOA STD. TBA	Various	CCV/ LCS	250	Prepared 07/20/21	9/18/2021	N/A	25uL			250

Injection Log

Directory: M:\MAX\DATA\210721\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	1	0721M01.D	1	25ug/L BFB STD 3/23/21	IS&S 6/4/21	21 Jul 21 13:42
2	2	0721M02.D	1	0.3ug/L VOC STD 7/21/21	IS&S 6/4/21	21 Jul 21 14:09
3	3	0721M03.D	1	0.5ug/L VOC STD 7/21/21	IS&S 6/4/21	21 Jul 21 14:38
4	4	0721M04.D	1	1ug/L VOC STD 7/21/23	IS&S 6/4/21	21 Jul 21 15:06
5	5	0721M05.D	1	2ug/L VOC STD 7/21/24	IS&S 6/4/21	21 Jul 21 15:34
6	6	0721M06.D	1	5ug/L VOC STD 7/21/25	IS&S 6/4/21	21 Jul 21 16:02
7	7	0721M07.D	1	10ug/L VOC STD 7/21/26	IS&S 6/4/21	21 Jul 21 16:30
8	8	0721M08.D	1	20ug/L VOC STD 7/21/27	IS&S 6/4/21	21 Jul 21 16:58
9	9	0721M09.D	1	40ug/L VOC STD 7/21/28	IS&S 6/4/21	21 Jul 21 17:26
10	10	0721M10.D	1	100ug/L VOC STD 7/21/29	IS&S 6/4/21	21 Jul 21 17:54
11	12	0721M12.D	1	(SS) 10ug/L VOC STD 7/21/26	IS&S 6/4/21	21 Jul 21 18:50
12	1	0727M01.D	1	25ug/L BFB STD 3/23/21	IS&S 6/4/21	27 Jul 21 12:01
13	2	0727M02.D	1	210727A CCV 10ug/L	IS&S 6/4/21	27 Jul 21 12:29
14	3	0727M03.D	1	210727A LCS 10ug/L	IS&S 6/4/21	27 Jul 21 12:57
15	4	0727M04.D	1	210727A LCSD 10ug/L	IS&S 6/4/21	27 Jul 21 13:24
16	7	0727M07.D	1	210727A BLK	IS&S 6/4/21	27 Jul 21 14:48
17	8	0727M08.D	1	BA36546W01	IS&S 6/4/21	27 Jul 21 15:16
18	9	0727M09.D	1	BA36547W01	IS&S 6/4/21	27 Jul 21 15:44
19	10	0727M10.D	1	BA36549W01	IS&S 6/4/21	27 Jul 21 16:12
20	11	0727M11.D	1	BA36550W01	IS&S 6/4/21	27 Jul 21 16:40
21	12	0727M12.D	1	BA36552W01	IS&S 6/4/21	27 Jul 21 17:08
22	13	0727M13.D	1	BA36553W01	IS&S 6/4/21	27 Jul 21 17:36
23	14	0727M14.D	1	BA36555W01	IS&S 6/4/21	27 Jul 21 18:04
24	15	0727M15.D	1	BA36556W01	IS&S 6/4/21	27 Jul 21 18:32
25	25	0727M25.D	1	Ending CCV 10ug/L 7/27/21	IS&S 6/4/21	27 Jul 21 23:11

ORGANICS

Calibration Data

VOLATILE ORGANIC ANALYSIS
VOLATILE ORGANIC COMPOUNDS

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 7/21/2021
Matrix: Instrument: Max Initials:

0721M13.D 0721M14.D 0721M15.D 0721M16.D 0721M17.D 0721M18.D 0721M19.D

		Compound	1	2	3	4	5	6	7				Avg	%RSD	Type	r^2	Q	MRF
1	I	Fluorobenzene (IS)																
2	TMHBL	Gasoline C6-C10	14.2	5.961	3.305	1.350	0.9224	0.8460	0.7784				3.9	126	TMHB	0.997		
3	TMHB	Chlorobenzene-D5 (IS)																
4	TMHB	1,4-Dichlorobenzene (IS)																
5																		
6																		
7																		
8																		
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Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M13.D Vial: 13
Acq On : 21 Jul 21 19:18 Operator: LP,DG,CH
Sample : 20ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:35 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	281136	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	247982m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	23675m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	3203030m	-41.00	ppb	100

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

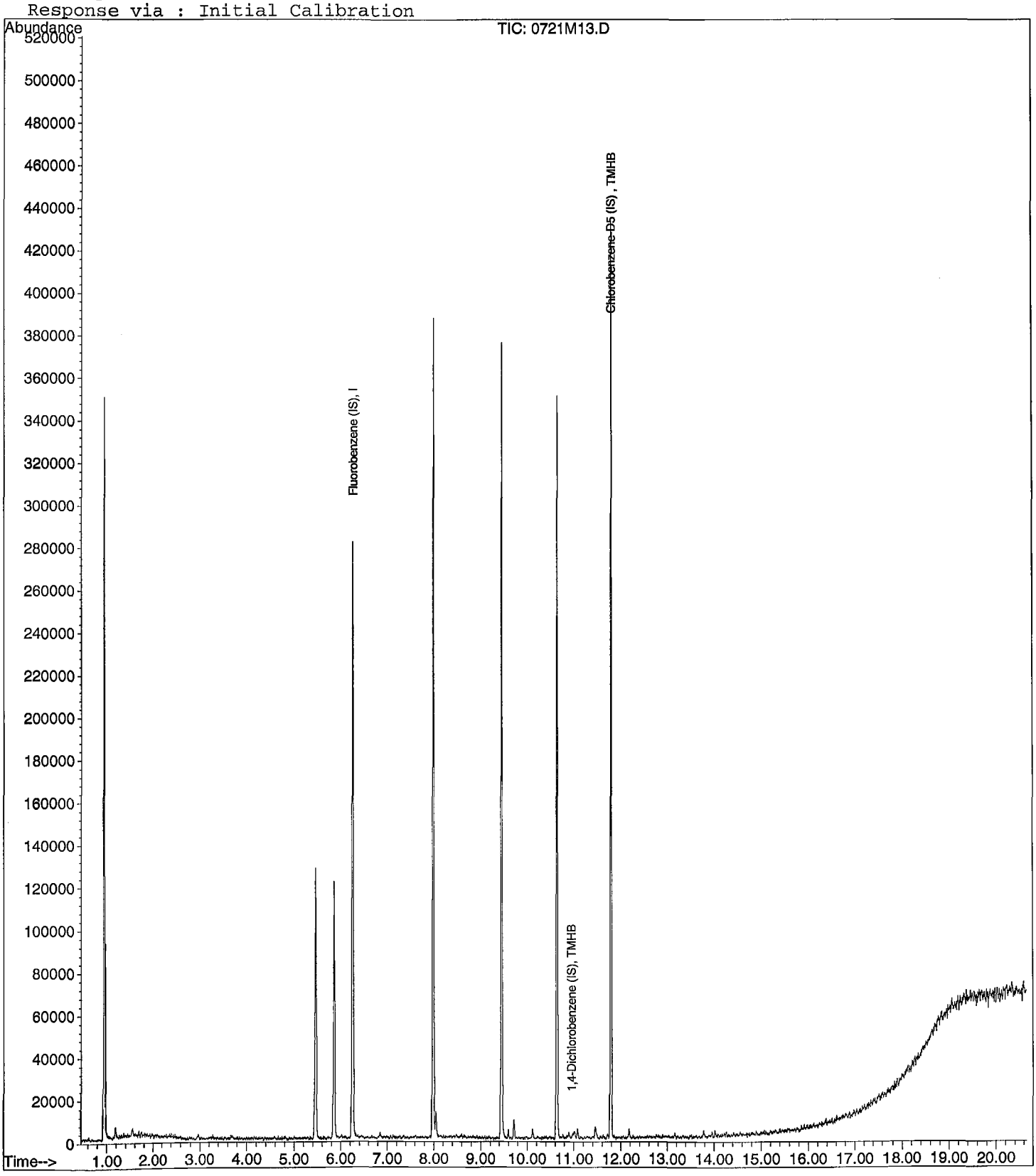
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M13.D
Acq On : 21 Jul 21 19:18
Sample : 20ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:35 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M14.D Vial: 14
Acq On : 21 Jul 21 19:46 Operator: LP,DG,CH
Sample : 40ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 11 11:26 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	276988	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	245547m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	31526m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

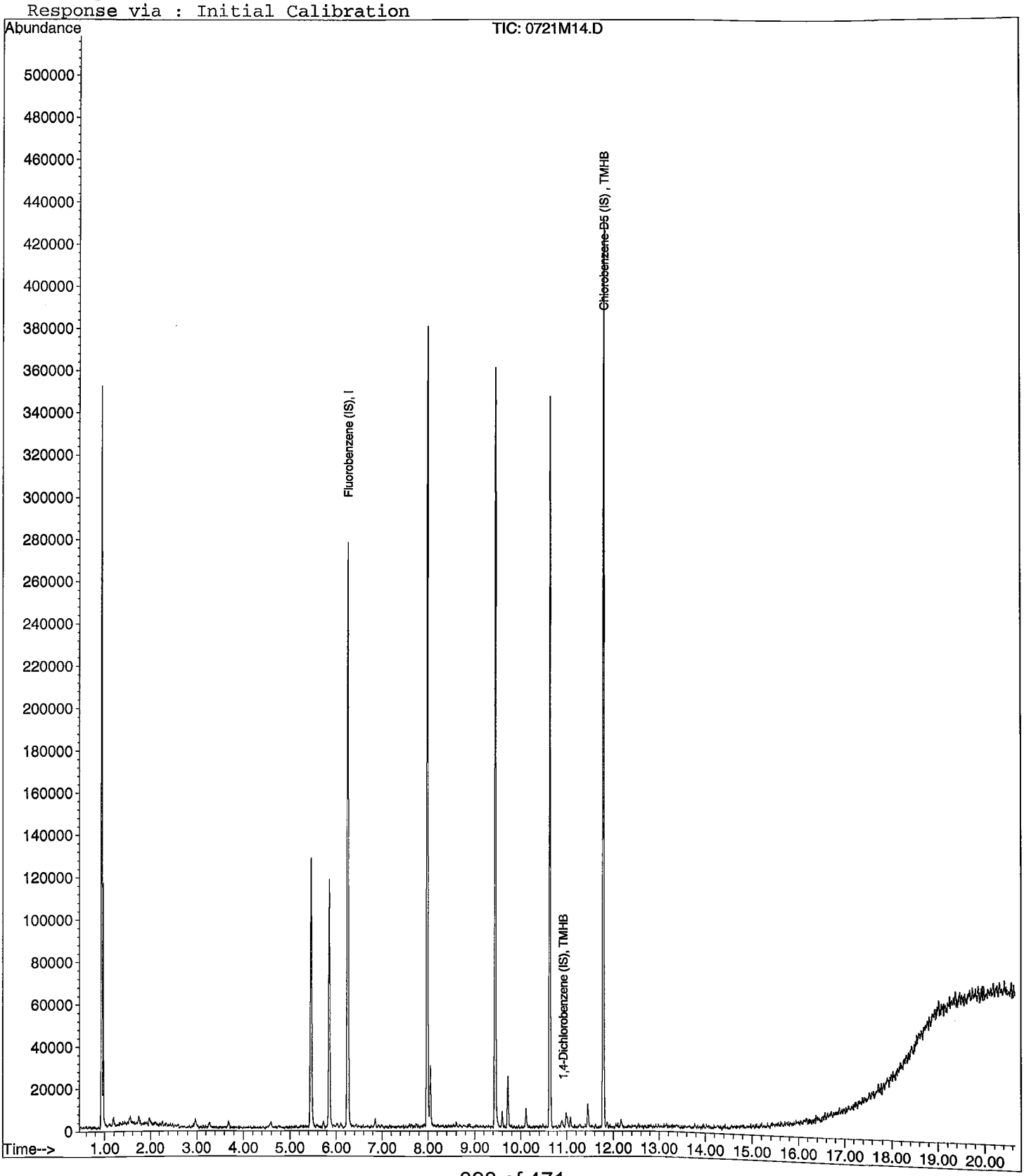
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M14.D Vial: 14
Acq On : 21 Jul 21 19:46 Operator: LP,DG,CH
Sample : 40ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Sep 11 11:26 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M15.D Vial: 15
Acq On : 21 Jul 21 20:14 Operator: LP,DG,CH
Sample : 100ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:36 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	272742	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	270962m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	47084m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	3605133m	77.98	ppb	100

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

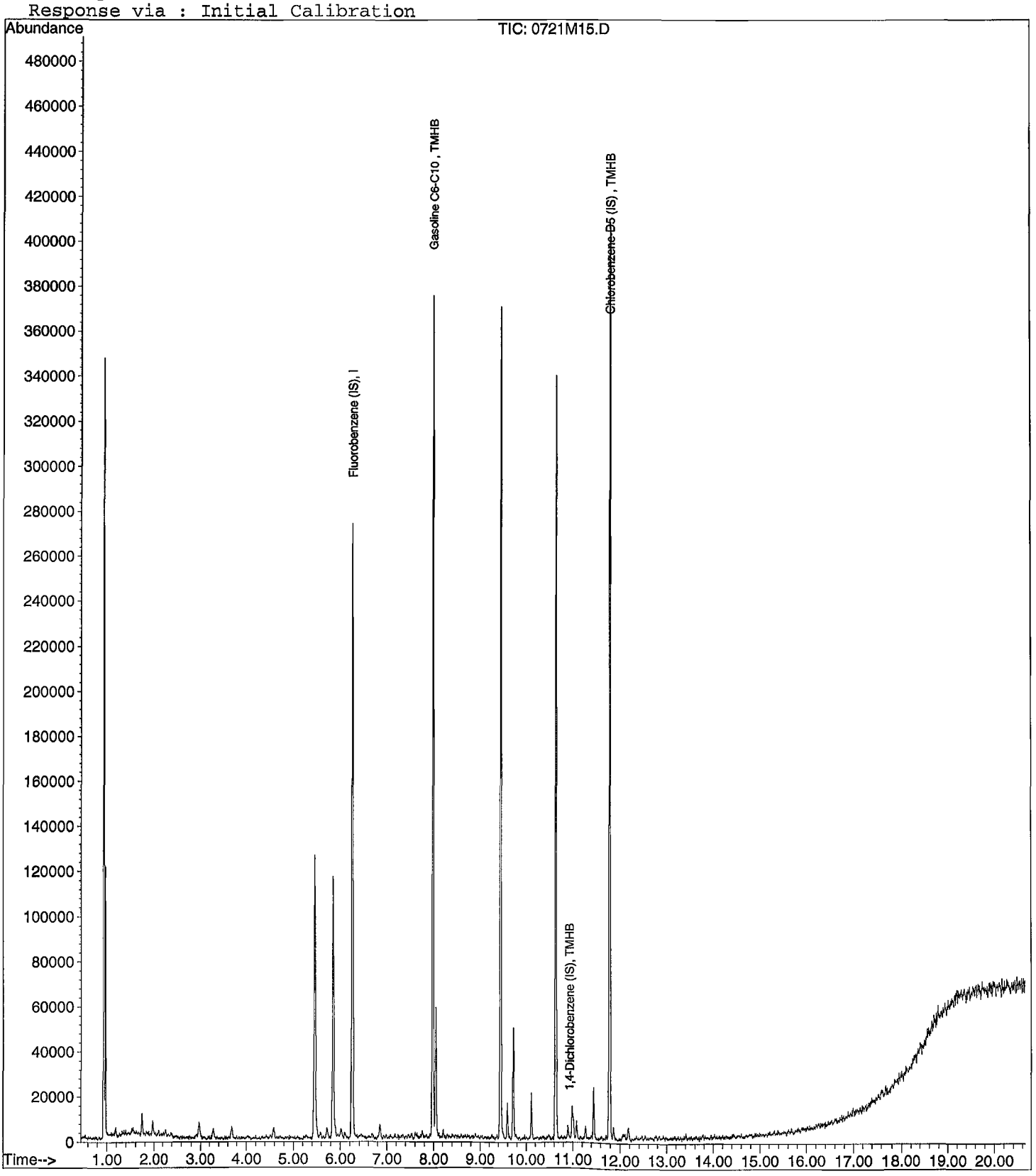
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M15.D
Acq On : 21 Jul 21 20:14
Sample : 100ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:36 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M16.D Vial: 16
Acq On : 21 Jul 21 20:42 Operator: LP,DG,CH
Sample : 300ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:38 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	281463	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	280753m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	125622m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	4558843m	272.19 ppb	100

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

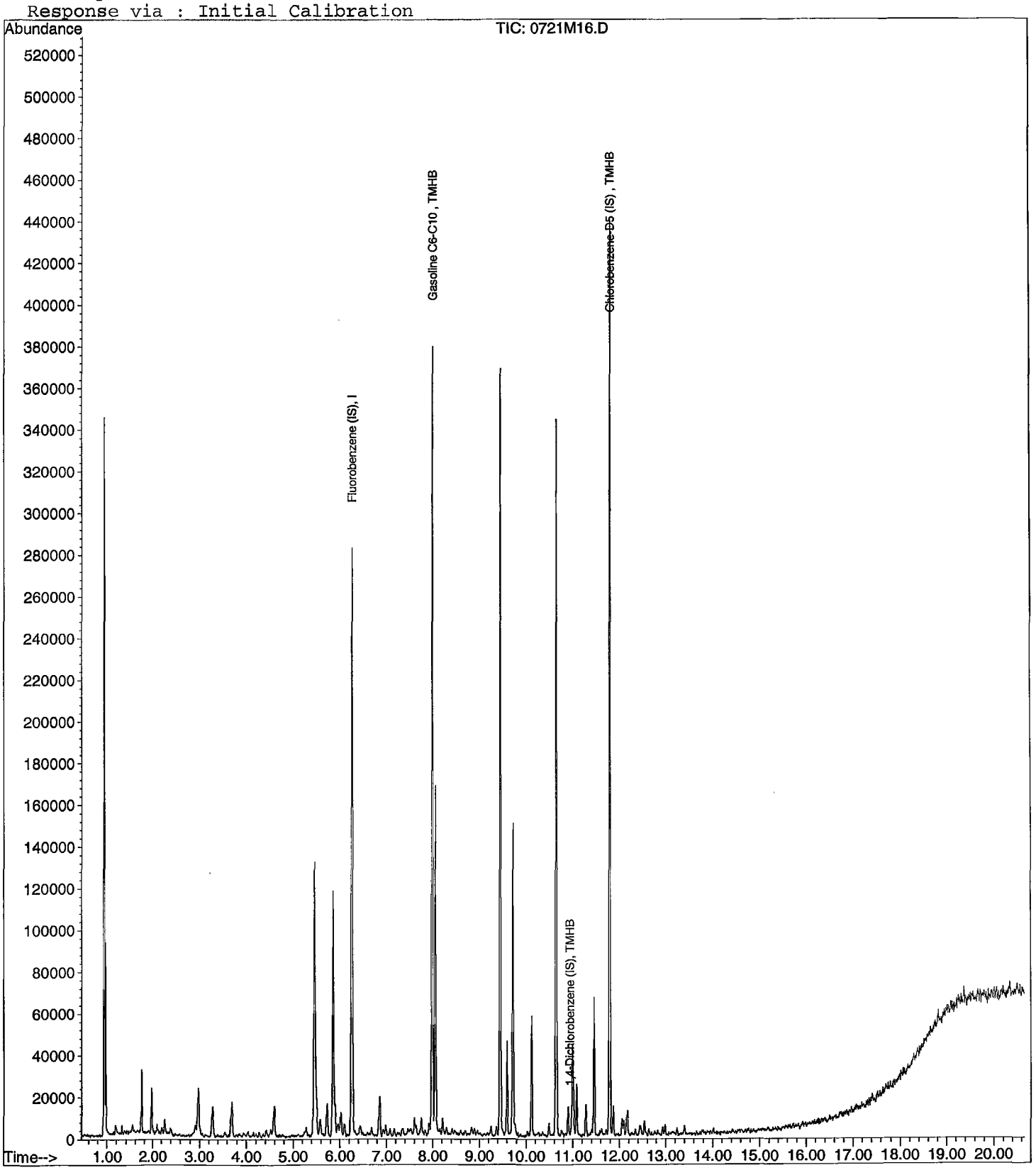
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M16.D
Acq On : 21 Jul 21 20:42
Sample : 300ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 16
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:38 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M17.D Vial: 17
Acq On : 21 Jul 21 21:10 Operator: LP,DG,CH
Sample : 600ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:38 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	280970	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	318626m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	236906m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	6219921m	659.48	ppb	100

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

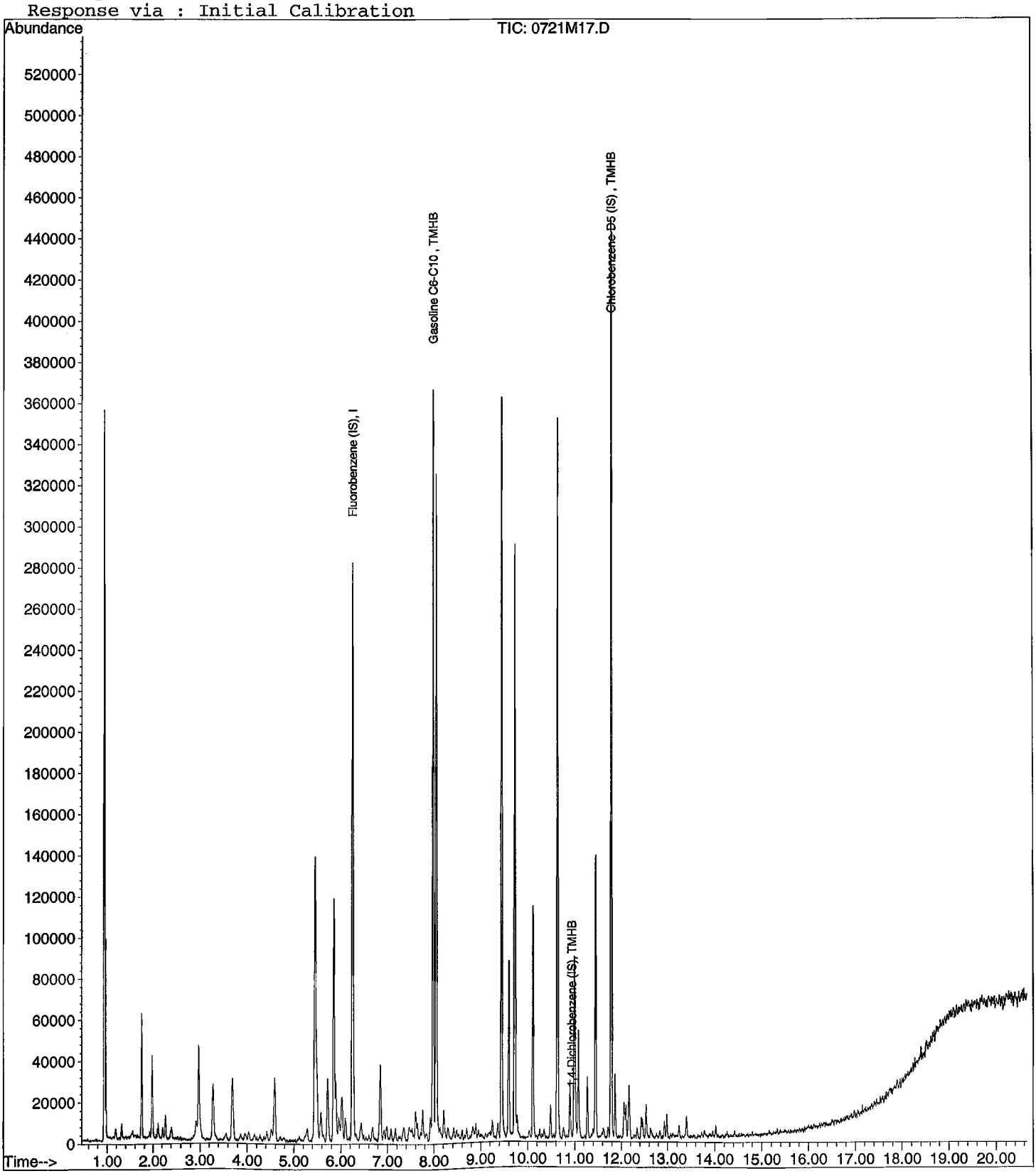
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M17.D
Acq On : 21 Jul 21 21:10
Sample : 600ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 17
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:38 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M18.D Vial: 18
Acq On : 21 Jul 21 21:38 Operator: LP,DG,CH
Sample : 800ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:39 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	282509	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	349616m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	325000m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.05	TIC	7647892m	981.16	ppb	100

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

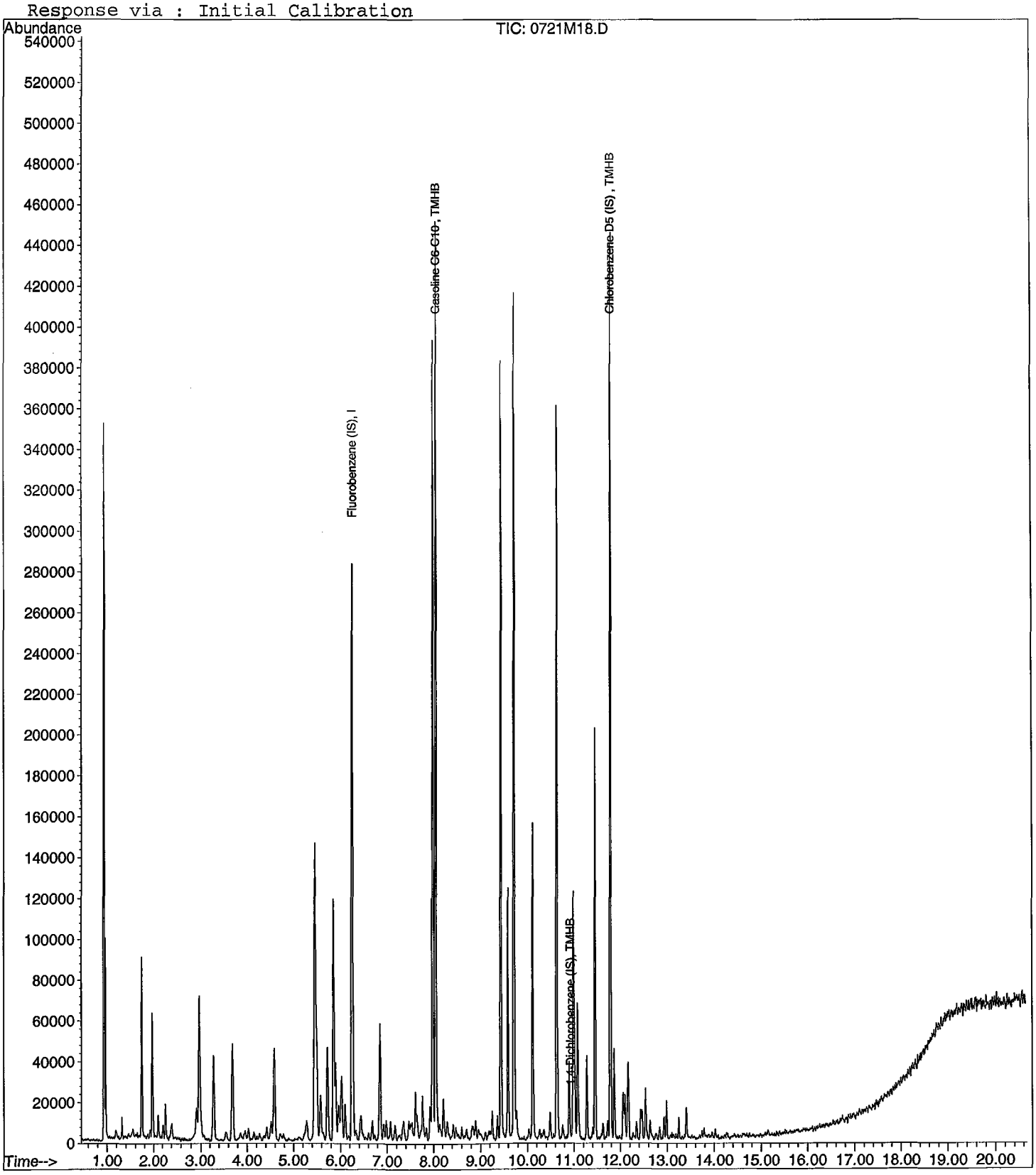
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M18.D
Acq On : 21 Jul 21 21:38
Sample : 800ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 18
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:39 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M19.D Vial: 19
Acq On : 21 Jul 21 22:05 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:41 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:34:26 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	282460	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	380284m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	408393m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	8.05	TIC	8794468m	1246.11	ppb	100

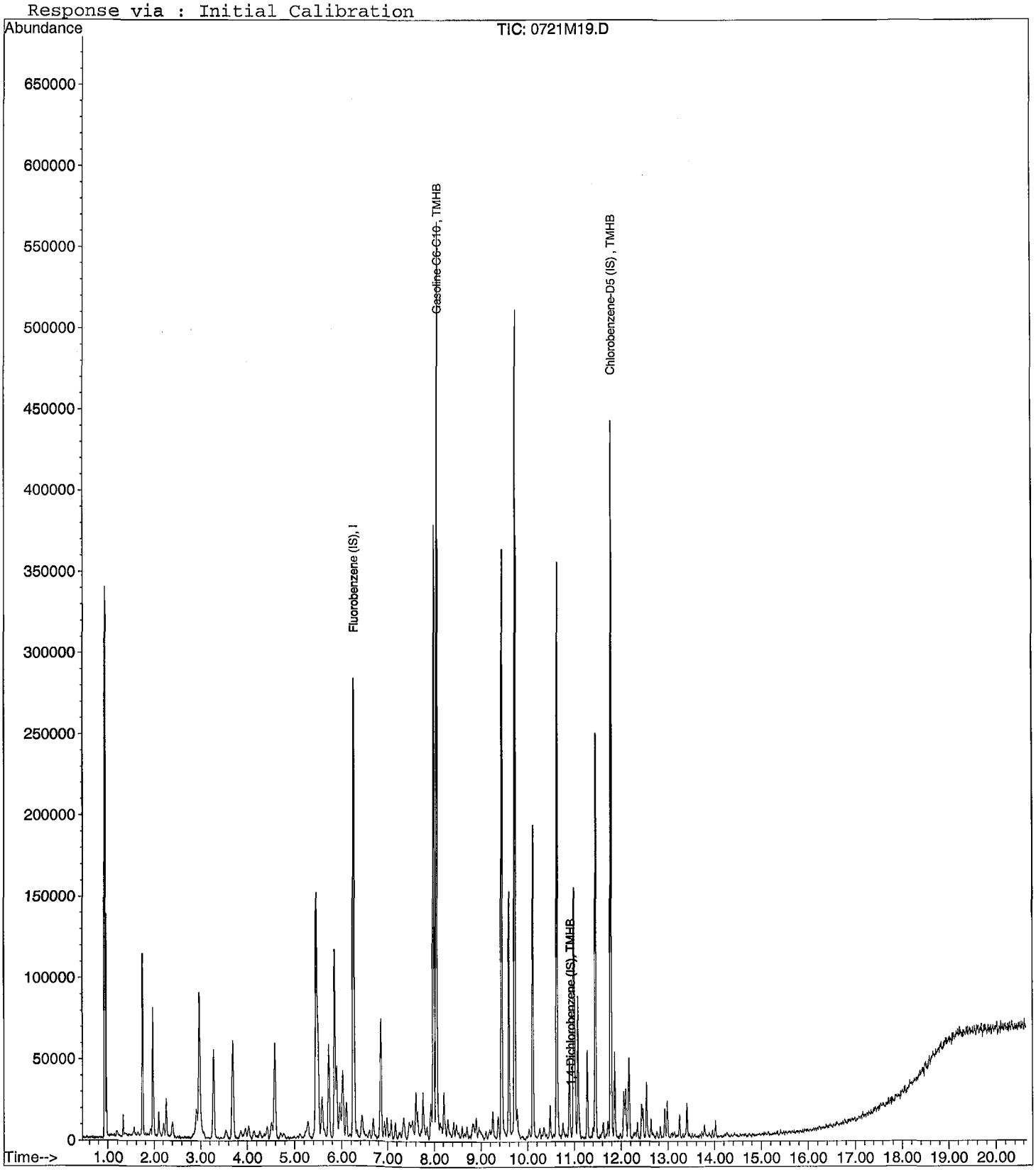
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M19.D Vial: 19
Acq On : 21 Jul 21 22:05 Operator: LP,DG,CH
Sample : 1000ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:41 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0721M20.D Vial: 20
Acq On : 21 Jul 21 22:33 Operator: LP,DG,CH
Sample : (SS) 300ug/L GAS STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 25 19:42 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	276812	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	262322m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	102705m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	4524913m	276.77	ppb	100

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

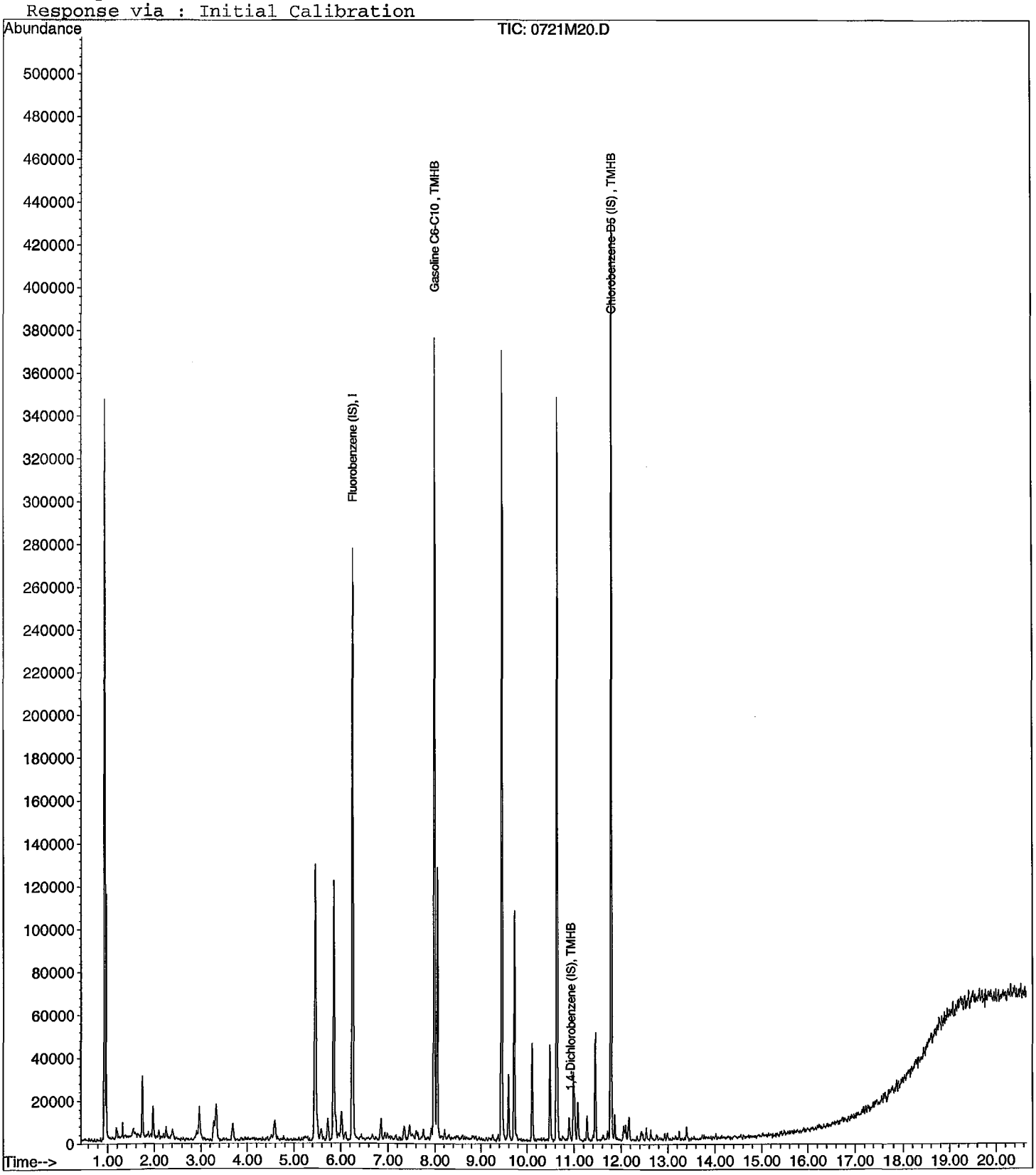
Quantitation Report

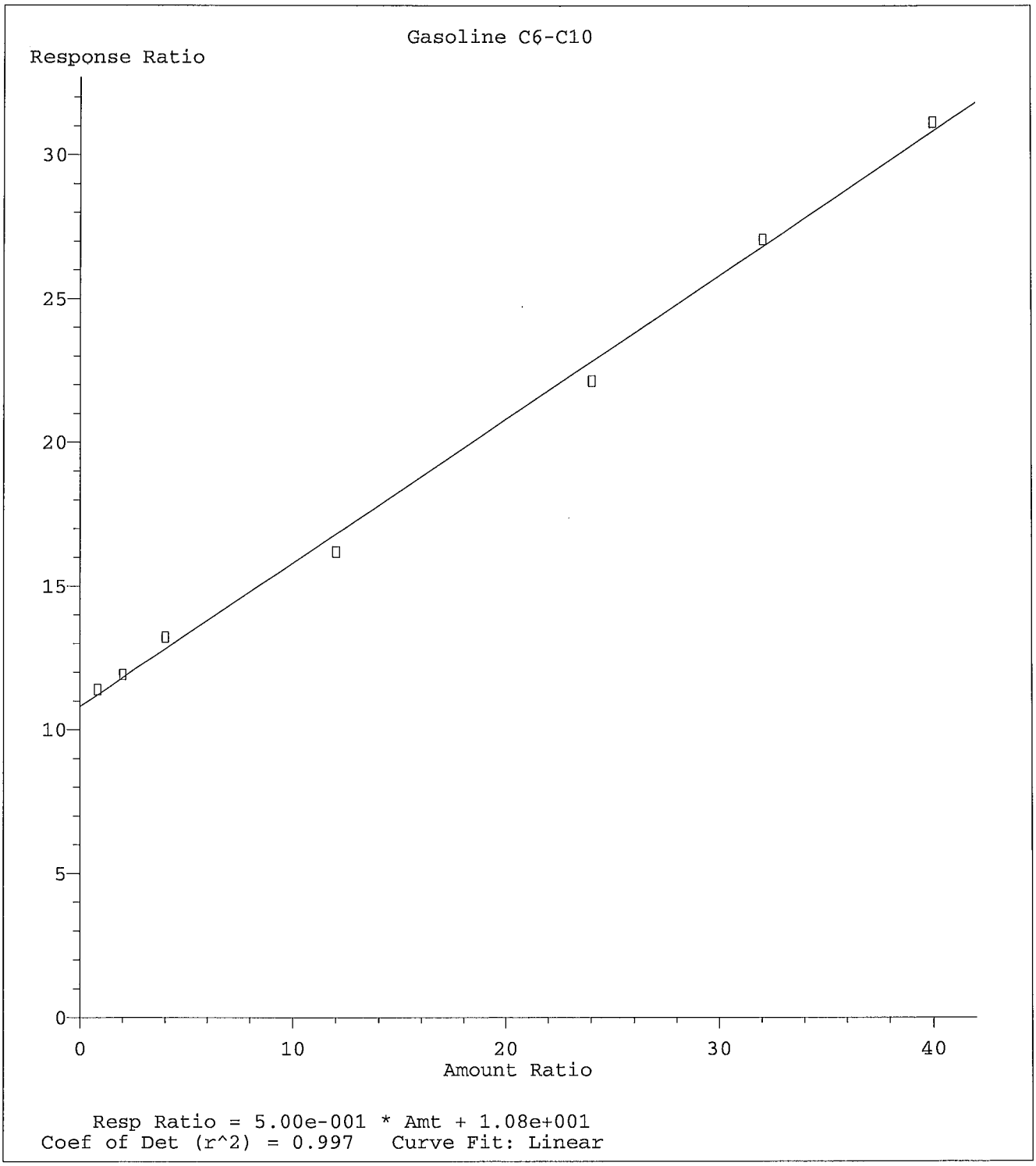
Data File : M:\MAX\DATA\210721\0721M20.D
Acq On : 21 Jul 21 22:33
Sample : (SS) 300ug/L GAS STD 7/21/21
Misc : IS&S 6/4/21

Vial: 20
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 25 19:42 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration





Method Name: M:\MAX\DATA\210721\MGAS0721.M
Calibration Table Last Updated: Sun Jul 25 19:39:49 2021

VOLATILE ORGANIC ANALYSIS BY
EPA METHOD 8260B

Form 6
Initial Calibration

Lab Name: APPL, Inc. SDG No:
Case No: Initial Cal. Date: 7/21/2021
Matrix: Instrument: Max Initials:

		Compound	1	2	3	4	5	6	7	8	9		Avg	%RSD	Type	r^2	Q	MRF
			0721M02.D	0721M03.D	0721M04.D	0721M05.D	0721M06.D	0721M07.D	0721M08.D	0721M09.D	0721M10.D							
1	I	Fluorobenzene (IS)																
2	S	Dibromofluoromethane(S)	0.3232	0.3292	0.2826	0.2769	0.2946	0.3074	0.2921	0.3051	0.2808		0.30	6.2	S			
3	S	1,2-DCA-D4(S)	0.1961	0.1904	0.1829	0.1760	0.1867	0.1977	0.1964	0.2008	0.1813		0.19	4.5	S			
4	I	Chlorobenzene-D5 (IS)																
5	S	Toluene-D8(S)	1.152	1.254	1.055	1.050	1.126	1.135	1.119	1.114	1.055		1.1	5.7	S			
6	S	4-Bromofluorobenzene(S)	0.5070	0.4564	0.3969	0.4137	0.4479	0.4506	0.4426	0.4440	0.4191		0.44	7.1	S			
7	I	1,4-Dichlorobenzene-D (IS)																
8																		
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Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M02.D Vial: 2
Acq On : 21 Jul 21 14:09 Operator: LP,DG,CH
Sample : 0.3ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	245112	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	207927	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	127978	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	15842	5.40	ppb	0.00
Spiked Amount 25.000			Recovery =	21.608%		
3) 1,2-DCA-D4(S)	5.85	65	9614	5.17	ppb	0.00
Spiked Amount 25.000			Recovery =	20.664%		
5) Toluene-D8(S)	7.98	98	47915	5.15	ppb	0.00
Spiked Amount 25.000			Recovery =	20.616%		
6) 4-Bromofluorobenzene(S)	10.63	95	21083	5.73	ppb	0.00
Spiked Amount 25.000			Recovery =	22.940%		

Target Compounds Qvalue

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

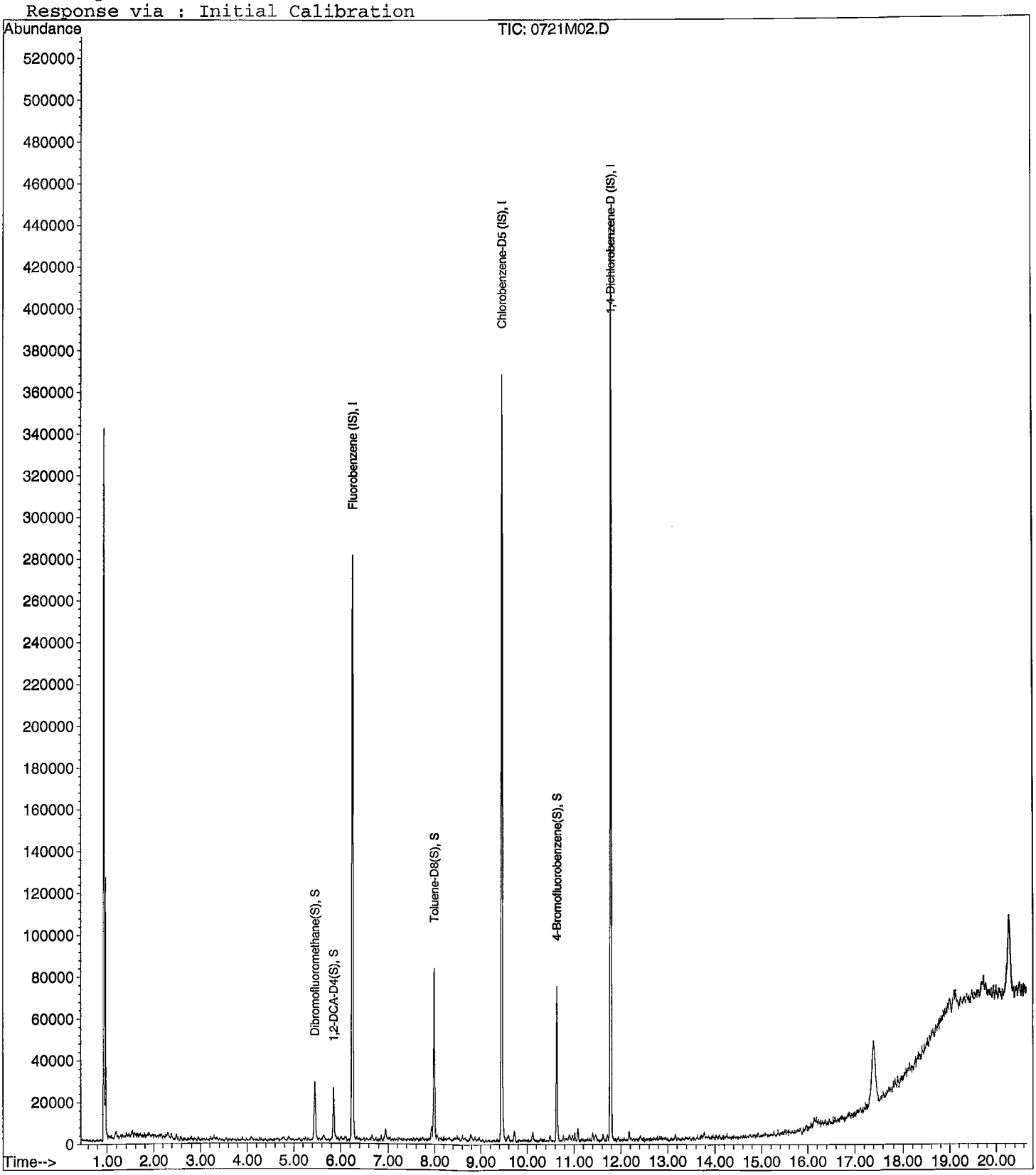
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M02.D
Acq On : 21 Jul 21 14:09
Sample : 0.3ug/L VOC STD 7/21/21
Misc : IS&S 6/4/21

Vial: 2
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M03.D Vial: 3
Acq On : 21 Jul 21 14:38 Operator: LP,DG,CH
Sample : 0.5ug/L VOC STD 7/21/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	243074	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	204870	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	127095	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	16006	5.50 ppb	0.00
Spiked Amount 25.000			Recovery =	22.016%	
3) 1,2-DCA-D4(S)	5.85	65	9255	5.01 ppb	0.00
Spiked Amount 25.000			Recovery =	20.060%	
5) Toluene-D8(S)	7.98	98	51374	5.61 ppb	0.00
Spiked Amount 25.000			Recovery =	22.436%	
6) 4-Bromofluorobenzene(S)	10.63	95	18699	5.16 ppb	0.00
Spiked Amount 25.000			Recovery =	20.648%	

Target Compounds Qvalue

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

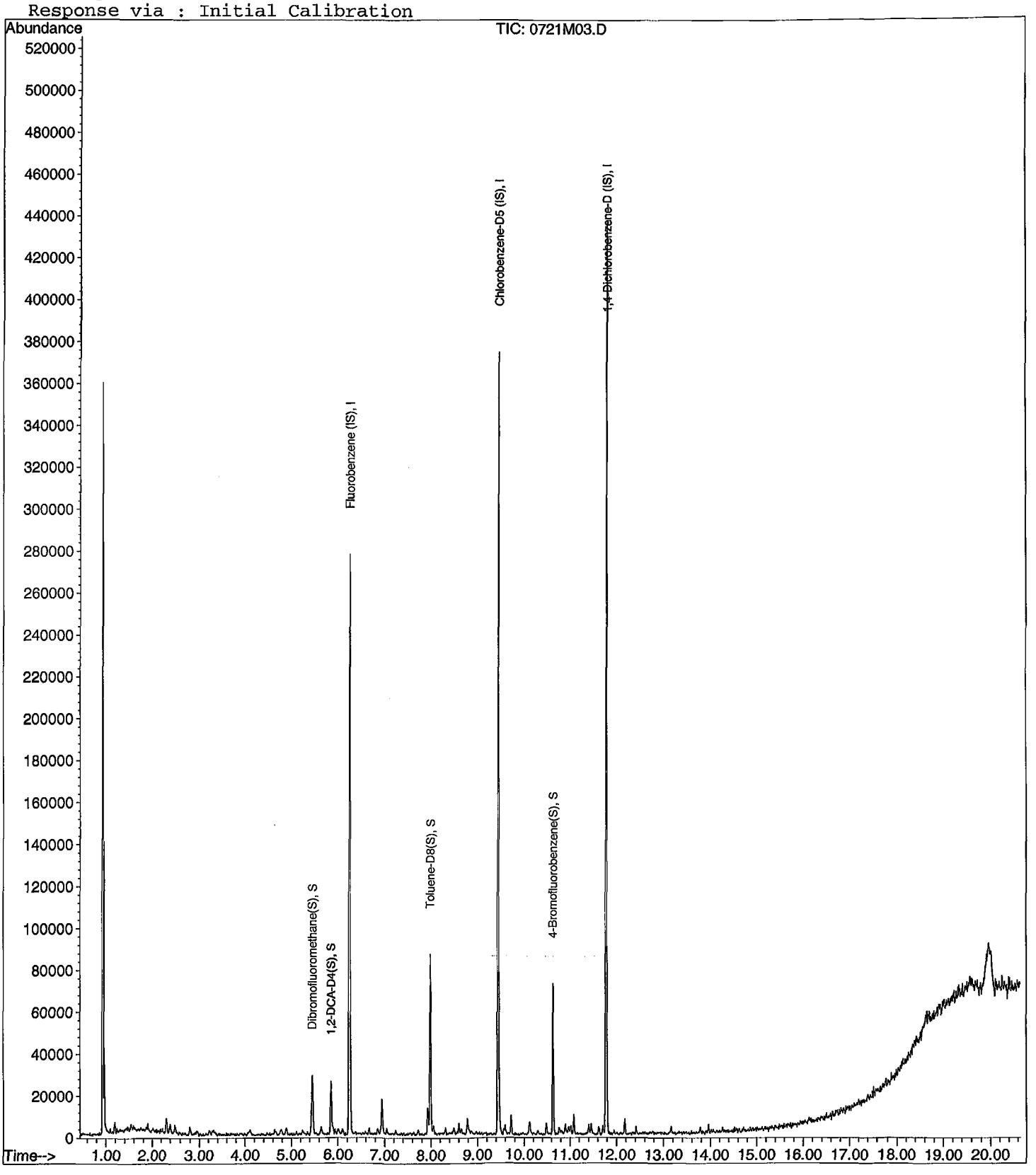
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M03.D
Acq On : 21 Jul 21 14:38
Sample : 0.5ug/L VOC STD 7/21/21
Misc : IS&S 6/4/21

Vial: 3
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M04.D Vial: 4
Acq On : 21 Jul 21 15:06 Operator: LP,DG,CH
Sample : 1ug/L VOC STD 7/21/23 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	243073	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	206276	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	128587	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.46	111	27479	9.45 ppb	0.00
Spiked Amount 25.000			Recovery	= 37.796%	
3) 1,2-DCA-D4(S)	5.85	65	17784	9.64 ppb	0.00
Spiked Amount 25.000			Recovery	= 38.544%	
5) Toluene-D8(S)	7.98	98	87083	9.44 ppb	0.00
Spiked Amount 25.000			Recovery	= 37.772%	
6) 4-Bromofluorobenzene(S)	10.63	95	32749	8.98 ppb	0.00
Spiked Amount 25.000			Recovery	= 35.916%	

Target Compounds Qvalue

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

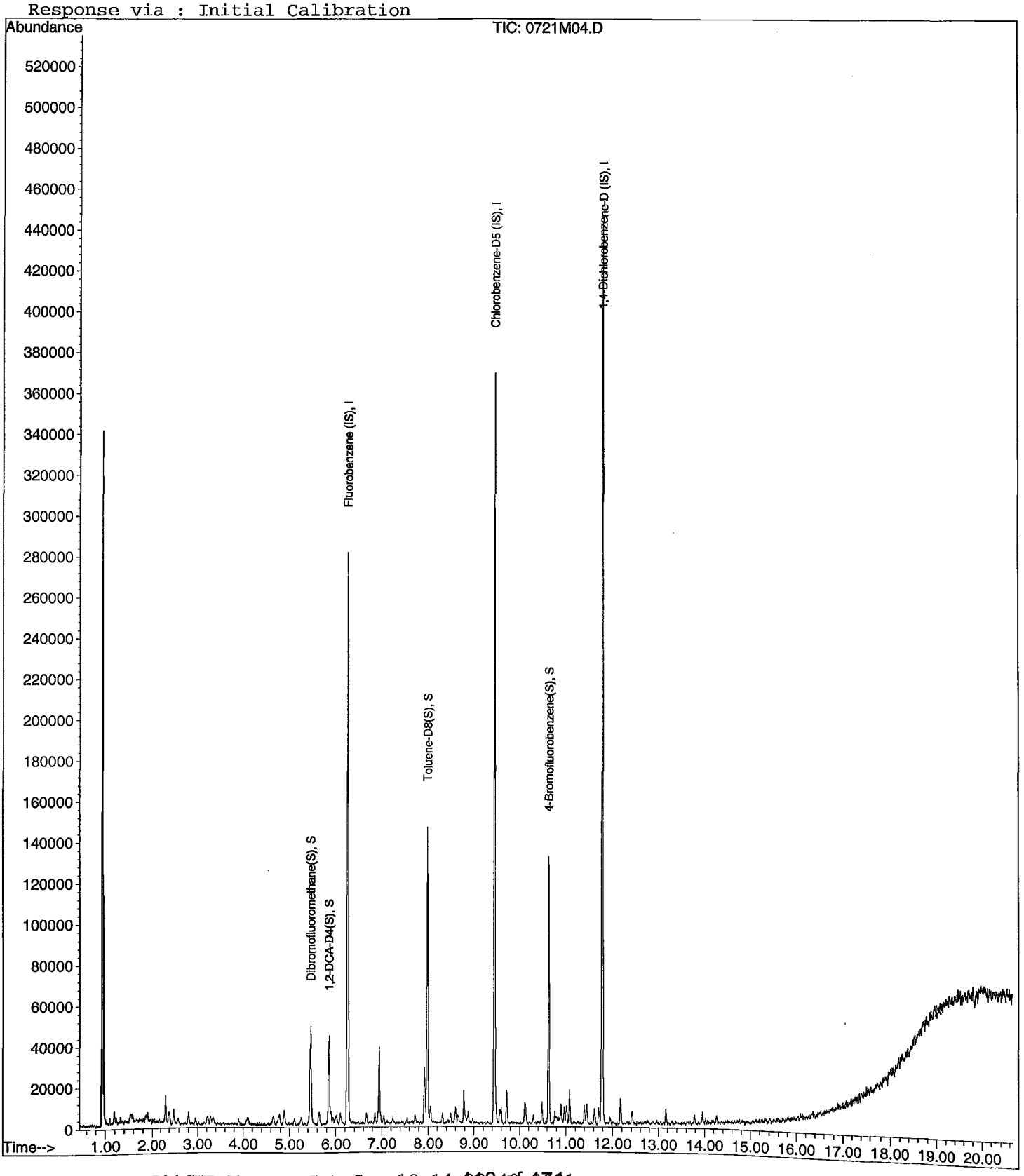
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M04.D
Acq On : 21 Jul 21 15:06
Sample : 1ug/L VOC STD 7/21/23
Misc : IS&S 6/4/21

Vial: 4
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	246779	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	209734	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	128358	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	27334	9.26 ppb	0.00
Spiked Amount 25.000			Recovery =	37.032%	
3) 1,2-DCA-D4(S)	5.85	65	17376	9.27 ppb	0.00
Spiked Amount 25.000			Recovery =	37.096%	
5) Toluene-D8(S)	7.98	98	88060	9.39 ppb	0.00
Spiked Amount 25.000			Recovery =	37.564%	
6) 4-Bromofluorobenzene(S)	10.63	95	34710	9.36 ppb	0.00
Spiked Amount 25.000			Recovery =	37.440%	

Target Compounds Qvalue

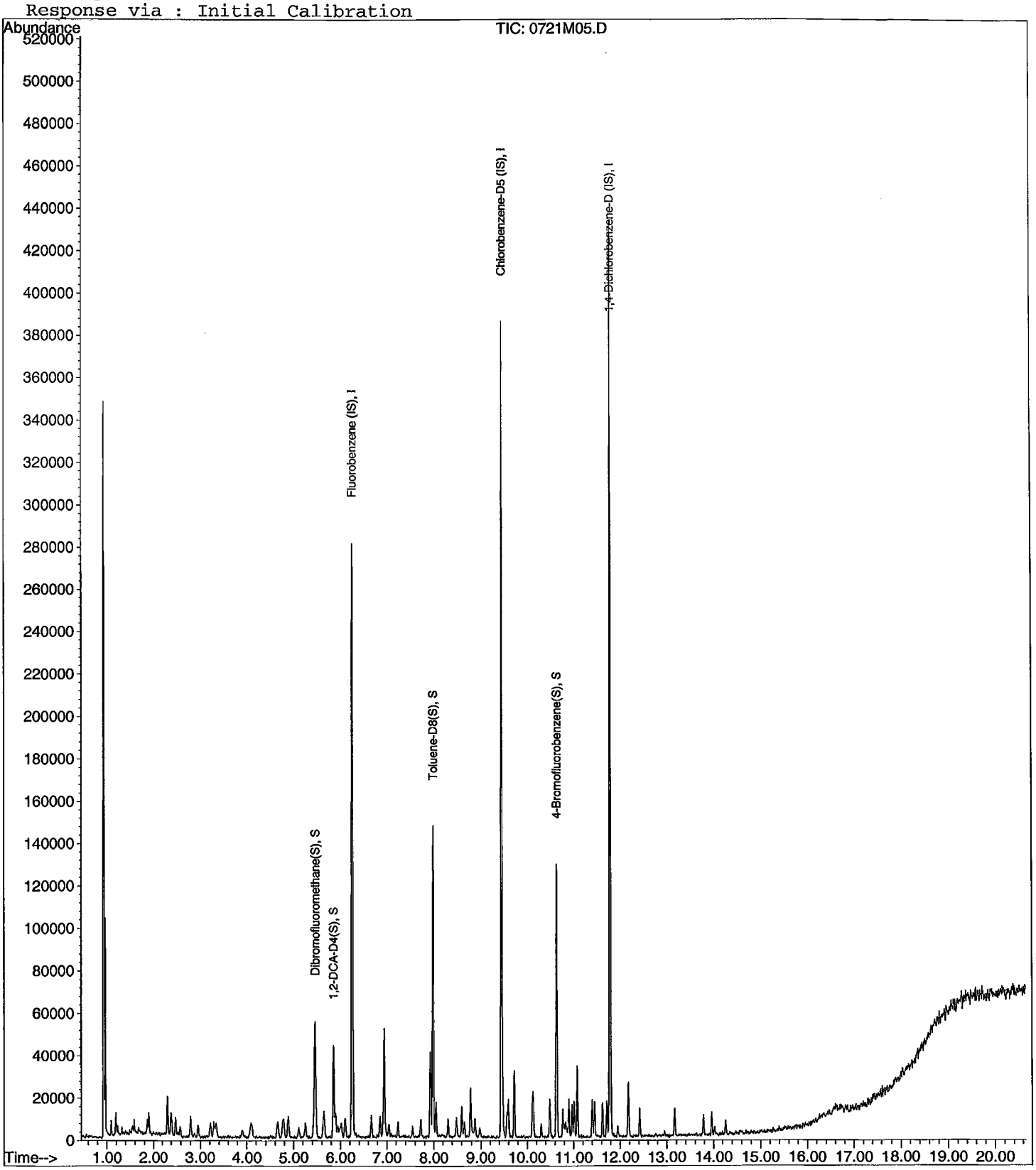
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0721M05.D Vial: 5
Acq On : 21 Jul 21 15:34 Operator: LP,DG,CH
Sample : 2ug/L VOC STD 7/21/24 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M06.D Vial: 6
Acq On : 21 Jul 21 16:02 Operator: LP,DG,CH
Sample : 5ug/L VOC STD 7/21/25 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	242894	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	204185	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	129286	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	71548	24.62	ppb	0.00
Spiked Amount 25.000			Recovery =	98.480%		
3) 1,2-DCA-D4(S)	5.85	65	45360	24.60	ppb	0.00
Spiked Amount 25.000			Recovery =	98.384%		
5) Toluene-D8(S)	7.98	98	229931	25.19	ppb	0.00
Spiked Amount 25.000			Recovery =	100.748%		
6) 4-Bromofluorobenzene(S)	10.63	95	91448	25.33	ppb	0.00
Spiked Amount 25.000			Recovery =	101.324%		

Target Compounds Qvalue

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

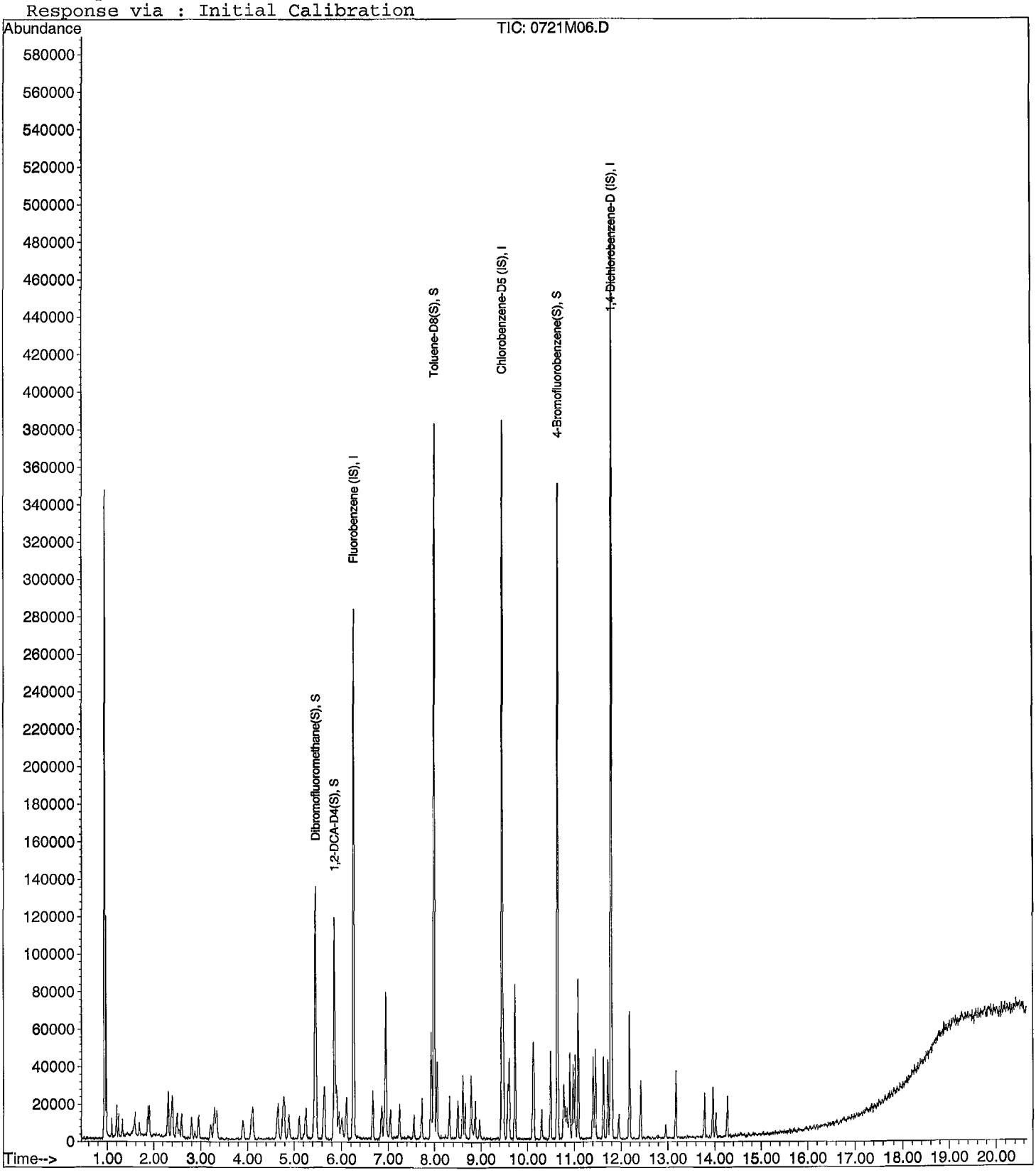
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M06.D
Acq On : 21 Jul 21 16:02
Sample : 5ug/L VOC STD 7/21/25
Misc : IS&S 6/4/21

Vial: 6
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M07.D Vial: 7
Acq On : 21 Jul 21 16:30 Operator: LP,DG,CH
Sample : 10ug/L VOC STD 7/21/26 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	238253	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	203514	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	131221	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	73247	25.70	ppb	0.00
Spiked Amount 25.000			Recovery = 102.784%			
3) 1,2-DCA-D4(S)	5.85	65	47104	26.04	ppb	0.00
Spiked Amount 25.000			Recovery = 104.156%			
5) Toluene-D8(S)	7.98	98	230900	25.38	ppb	0.00
Spiked Amount 25.000			Recovery = 101.508%			
6) 4-Bromofluorobenzene(S)	10.63	95	91711	25.49	ppb	0.00
Spiked Amount 25.000			Recovery = 101.948%			

Target Compounds Qvalue

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

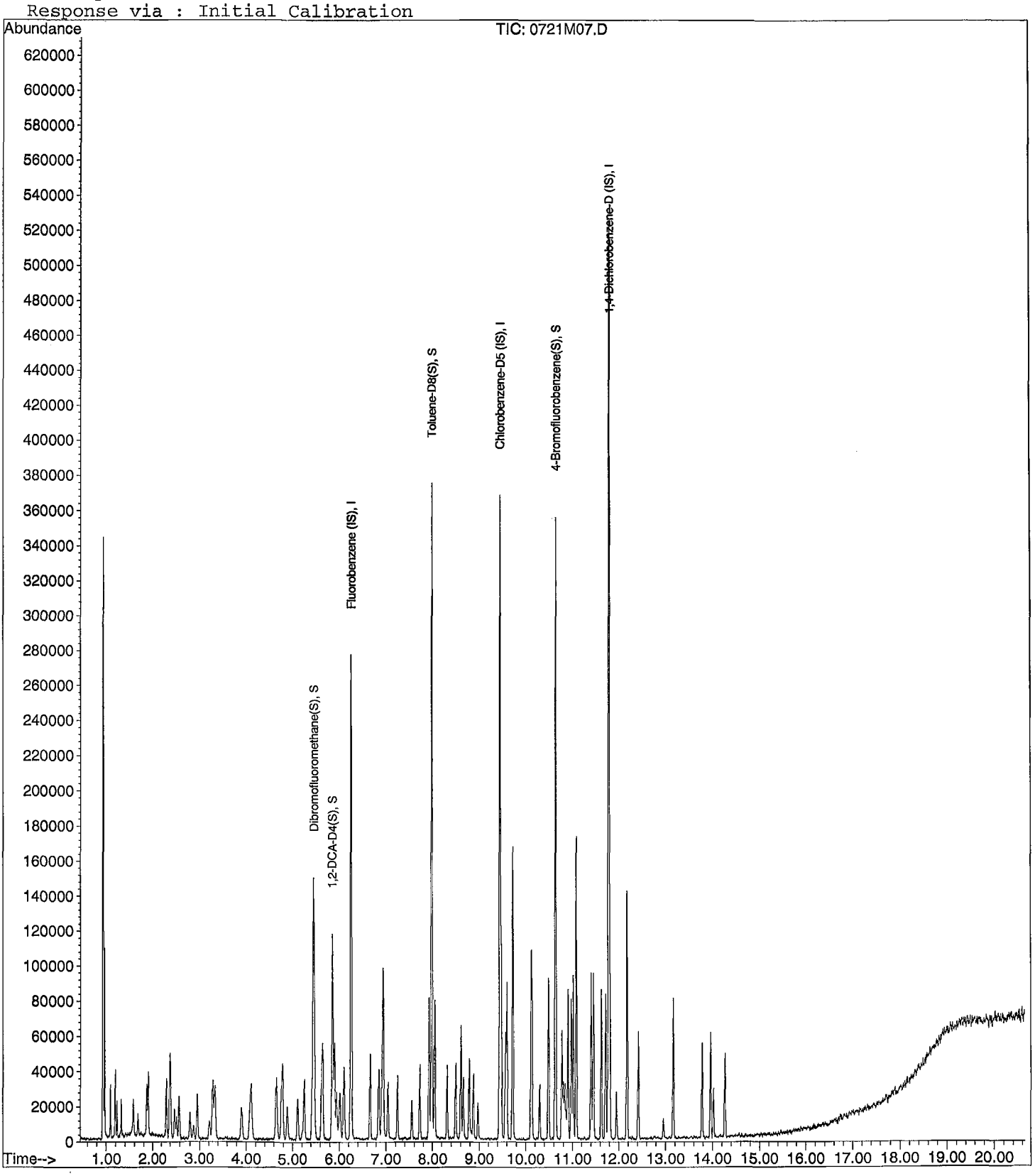
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M07.D
Acq On : 21 Jul 21 16:30
Sample : 10ug/L VOC STD 7/21/26
Misc : IS&S 6/4/21

Vial: 7
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M08.D Vial: 8
Acq On : 21 Jul 21 16:58 Operator: LP,DG,CH
Sample : 20ug/L VOC STD 7/21/27 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	233519	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	202149	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	132094	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	136438	48.83	ppb	0.00
Spiked Amount 25.000			Recovery = 195.336%			
3) 1,2-DCA-D4(S)	5.85	65	91736	51.74	ppb	0.00
Spiked Amount 25.000			Recovery = 206.960%			
5) Toluene-D8(S)	7.98	98	452240	50.04	ppb	0.00
Spiked Amount 25.000			Recovery = 200.152%			
6) 4-Bromofluorobenzene(S)	10.63	95	178943	50.07	ppb	0.00
Spiked Amount 25.000			Recovery = 200.264%			

Target Compounds Qvalue

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

Quantitation Report

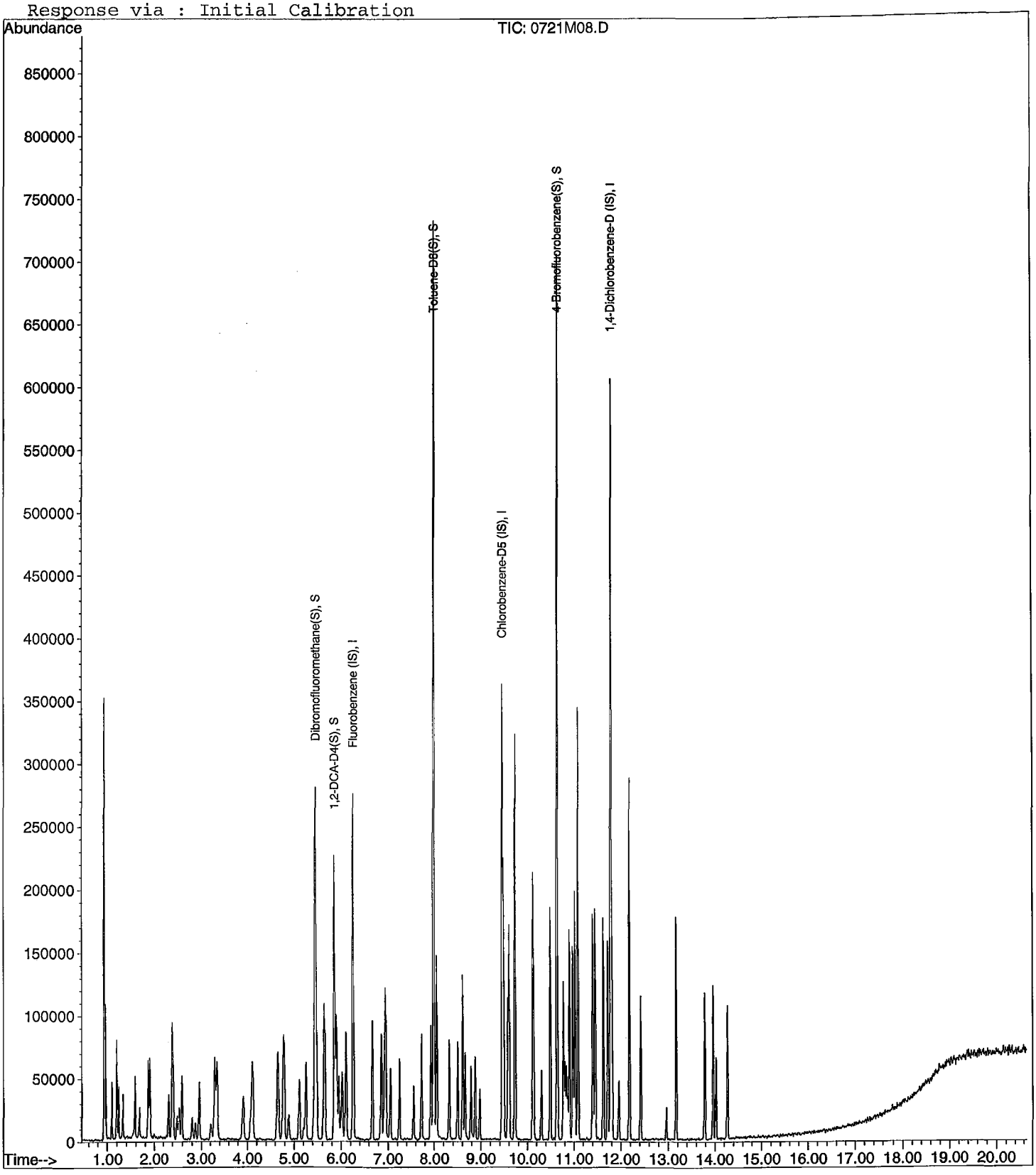
Data File : M:\MAX\DATA\210721\0721M08.D
Acq On : 21 Jul 21 16:58
Sample : 20ug/L VOC STD 7/21/27
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021

Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M09.D Vial: 9
Acq On : 21 Jul 21 17:26 Operator: LP,DG,CH
Sample : 40ug/L VOC STD 7/21/28 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	242477	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	213303	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	133901	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	147976	51.01	ppb	0.00
Spiked Amount 25.000			Recovery = 204.028%			
3) 1,2-DCA-D4(S)	5.85	65	97360	52.88	ppb	0.00
Spiked Amount 25.000			Recovery = 211.532%			
5) Toluene-D8(S)	7.98	98	475343	49.84	ppb	0.00
Spiked Amount 25.000			Recovery = 199.376%			
6) 4-Bromofluorobenzene(S)	10.63	95	189396	50.22	ppb	0.00
Spiked Amount 25.000			Recovery = 200.876%			

Target Compounds Qvalue

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

Quantitation Report

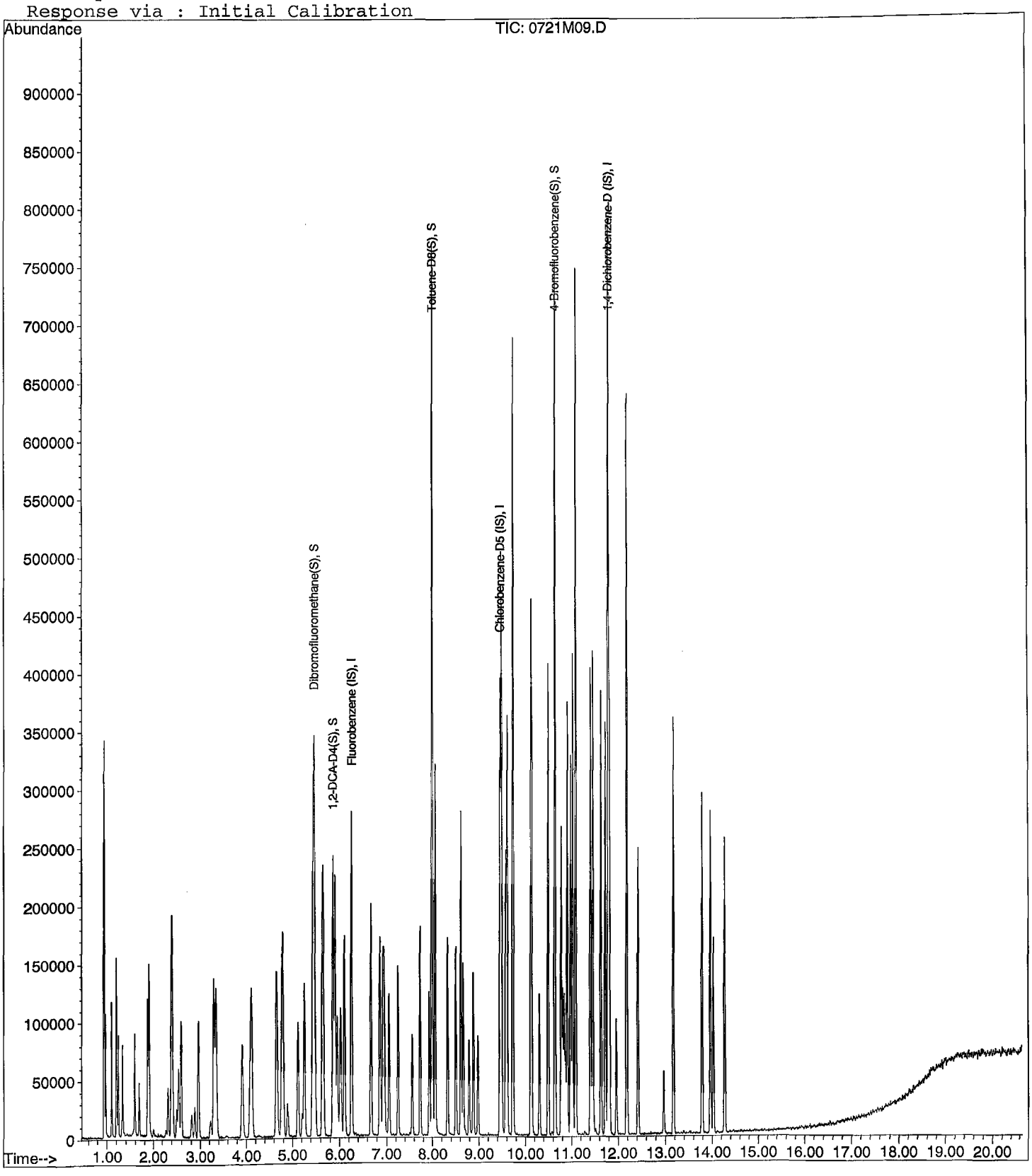
Data File : M:\MAX\DATA\210721\0721M09.D
Acq On : 21 Jul 21 17:26
Sample : 40ug/L VOC STD 7/21/28
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021

Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0721M10.D Vial: 10
Acq On : 21 Jul 21 17:54 Operator: LP,DG,CH
Sample : 100ug/L VOC STD 7/21/29 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	239457	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	208115	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	125519	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	268952	93.88	ppb	0.00
Spiked Amount 25.000			Recovery = 375.504%			
3) 1,2-DCA-D4(S)	5.85	65	173632	95.50	ppb	0.00
Spiked Amount 25.000			Recovery = 382.008%			
5) Toluene-D8(S)	7.98	98	878190	94.38	ppb	0.00
Spiked Amount 25.000			Recovery = 377.528%			
6) 4-Bromofluorobenzene(S)	10.63	95	348917	94.82	ppb	0.00
Spiked Amount 25.000			Recovery = 379.292%			

Target Compounds Qvalue

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

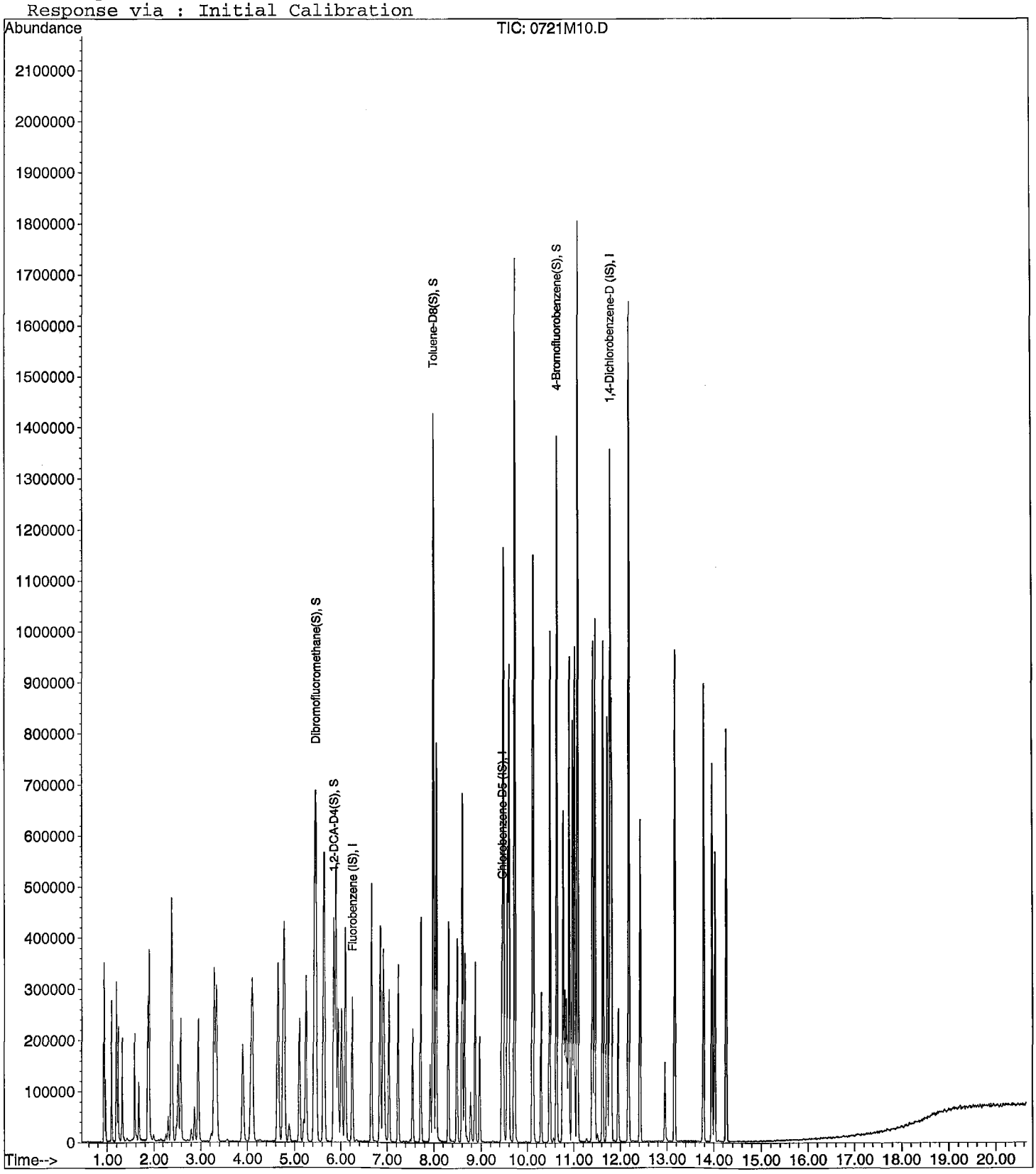
Quantitation Report

Data File : M:\MAX\DATA\210721\0721M10.D
Acq On : 21 Jul 21 17:54
Sample : 100ug/L VOC STD 7/21/29
Misc : IS&S 6/4/21

Vial: 10
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 27 12:38 2021 Quant Results File: M0721SUR.RES

Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 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: 7/27/2021
Instrument: Max
Initial Cal. Date: 7/21/2021
Data File: 0727M05.D

		Compound	MEAN	CCRF	%D		%Drift
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.915	1.342	66	TMHBL	12
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
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40							
		Average			66.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M05.D Vial: 5
Acq On : 27 Jul 21 13:52 Operator: LP,DG,CH
Sample : 210727A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	196595	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	170160	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	108473	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	60916	25.90 ppb	0.00
Spiked Amount 25.000			Recovery =	103.592%	
3) 1,2-DCA-D4(S)	5.85	65	40672	27.25 ppb	0.00
Spiked Amount 25.000			Recovery =	108.992%	
5) Toluene-D8(S)	7.98	98	195433	25.69 ppb	0.00
Spiked Amount 25.000			Recovery =	102.756%	
6) 4-Bromofluorobenzene(S)	10.63	95	76100	25.29 ppb	0.00
Spiked Amount 25.000			Recovery =	101.176%	

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M05.D Vial: 5
Acq On : 27 Jul 21 13:52 Operator: LP,DG,CH
Sample : 210727A CCV/LCS 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 10:01 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	234482	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	229770m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	92468m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	9.44	TIC	3776324m	264.69 ppb	100

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

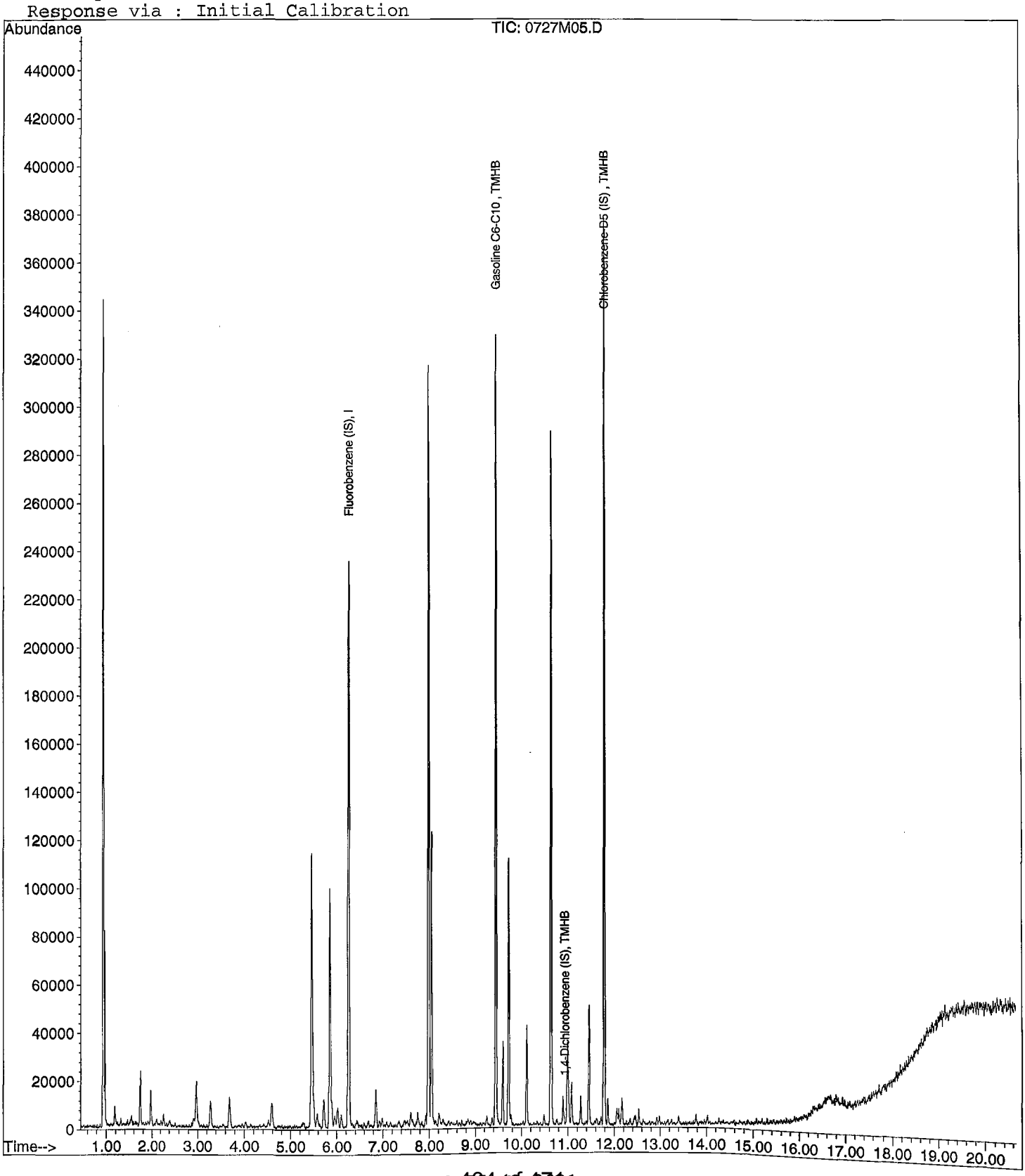
Quantitation Report

Data File : M:\MAX\DATA\210721\0727M05.D
Acq On : 27 Jul 21 13:52
Sample : 210727A CCV/LCS 300ug/L
Misc : IS&S 6/4/21

Vial: 5
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 28 10:01 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 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: 7/27/2021
Instrument: Max
Initial Cal. Date: 7/21/2021
Data File: 0727M26.D

		Compound	MEAN	CCRF	%D	%Drift	
1	I	Fluorobenzene (IS)	ISTD			I	
2	TMHB	Gasoline C6-C10	3.915	1.347	66	TMHBL	11
3	TMHB	Chlorobenzene-D5 (IS)	ISTD			TMHB	
4	TMHB	1,4-Dichlorobenzene (IS)	ISTD			TMHB	
5							
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40							
		Average			66.0		

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M26.D Vial: 26
Acq On : 27 Jul 21 23:38 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 7/27/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	196353	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.45	117	165539	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	108950	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	59140	25.17	ppb	0.00
Spiked Amount 25.000			Recovery =	100.696%		
3) 1,2-DCA-D4(S)	5.85	65	36560	24.52	ppb	0.00
Spiked Amount 25.000			Recovery =	98.092%		
5) Toluene-D8(S)	7.98	98	181355	24.50	ppb	0.00
Spiked Amount 25.000			Recovery =	98.016%		
6) 4-Bromofluorobenzene(S)	10.63	95	73479	25.10	ppb	0.00
Spiked Amount 25.000			Recovery =	100.420%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M26.D Vial: 26
Acq On : 27 Jul 21 23:38 Operator: LP,DG,CH
Sample : Ending CCV 300ug/L 7/27/21 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 10:03 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	232117	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	225210m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	94069m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	3753161m	267.91	ppb	100

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

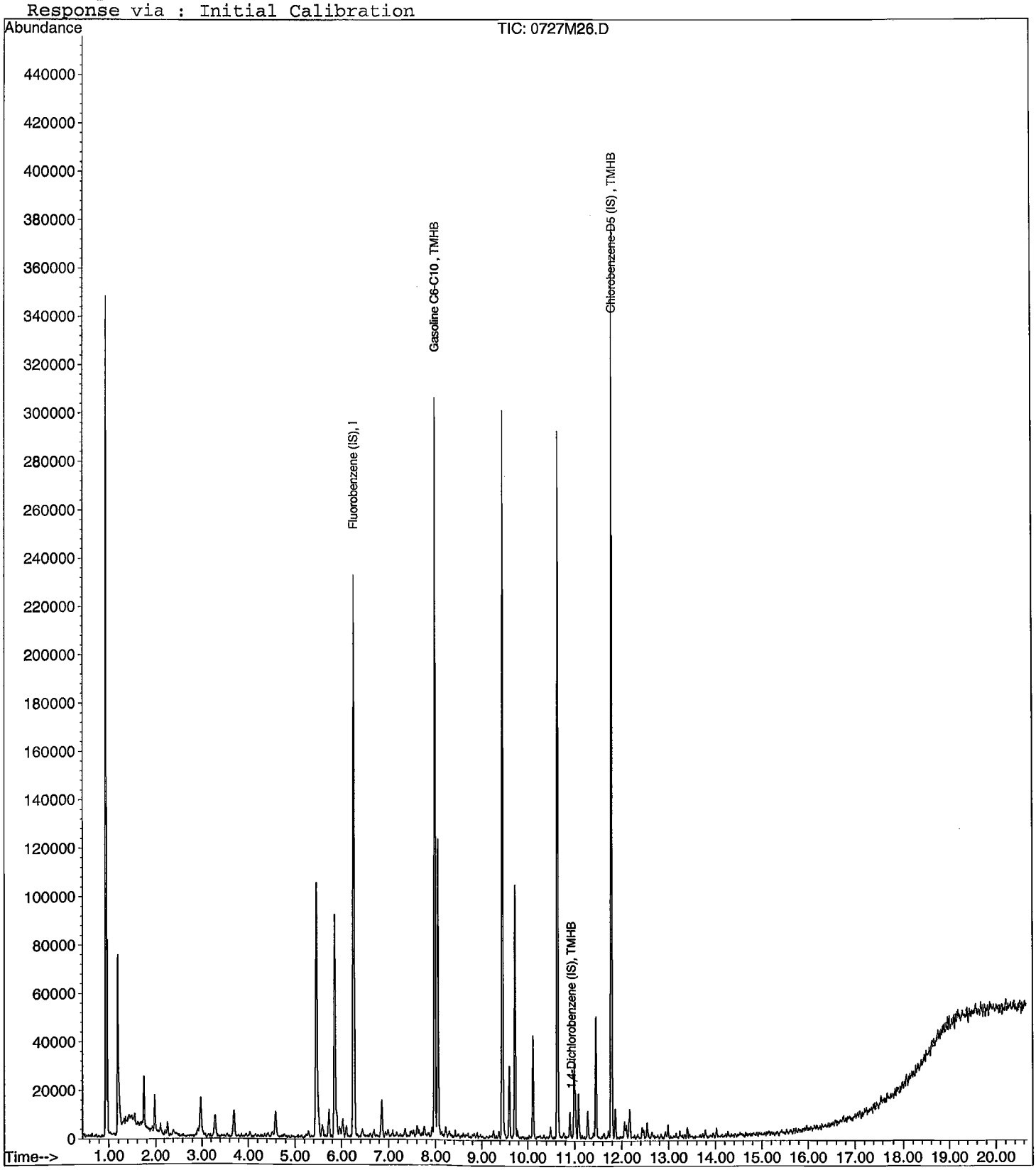
Quantitation Report

Data File : M:\MAX\DATA\210721\0727M26.D
Acq On : 27 Jul 21 23:38
Sample : Ending CCV 300ug/L 7/27/21
Misc : IS&S 6/4/21

Vial: 26
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Jul 28 10:03 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



ORGANICS

Raw Data

Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M08.D Vial: 8
Acq On : 27 Jul 21 15:16 Operator: LP,DG,CH
Sample : BA36546W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	195737	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	165346	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	103316	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	62134	26.53 ppb	0.00
Spiked Amount 25.000			Recovery =	106.128%	
3) 1,2-DCA-D4(S)	5.85	65	40800	27.45 ppb	0.00
Spiked Amount 25.000			Recovery =	109.812%	
5) Toluene-D8(S)	7.98	98	189663	25.66 ppb	0.00
Spiked Amount 25.000			Recovery =	102.624%	
6) 4-Bromofluorobenzene(S)	10.63	95	72471	24.79 ppb	0.00
Spiked Amount 25.000			Recovery =	99.156%	

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M08.D
Acq On : 27 Jul 21 15:16
Sample : BA36546W01
Misc : IS&S 6/4/21

Vial: 8
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:10 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	228063	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	203727m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7893m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

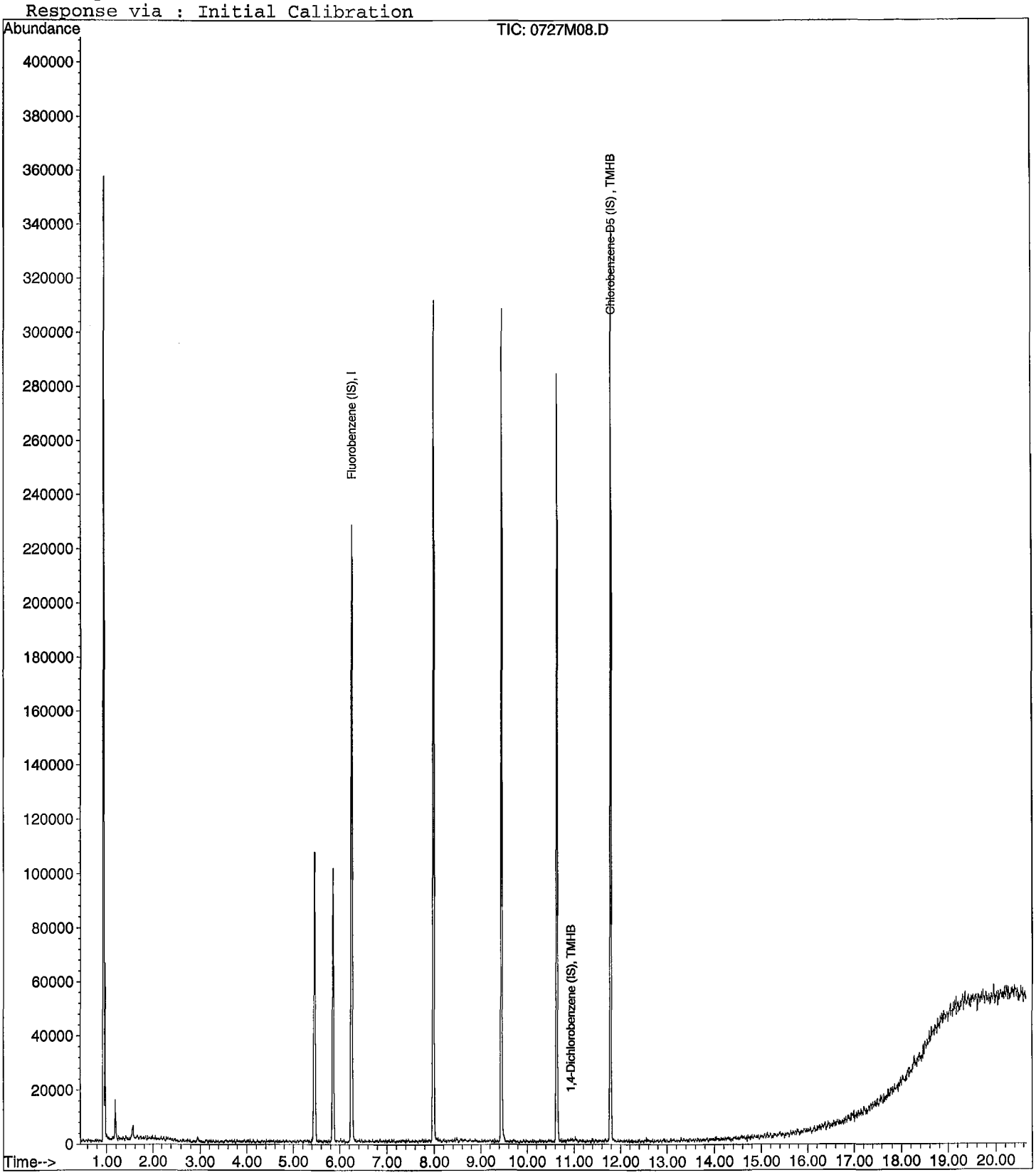
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M08.D Vial: 8
Acq On : 27 Jul 21 15:16 Operator: LP,DG,CH
Sample : BA36546W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:10 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M09.D Vial: 9
Acq On : 27 Jul 21 15:44 Operator: LP,DG,CH
Sample : BA36547W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	190396	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	162613	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	104066	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	59544	26.14	ppb	0.00
Spiked Amount 25.000			Recovery = 104.556%			
3) 1,2-DCA-D4(S)	5.85	65	38208	26.43	ppb	0.00
Spiked Amount 25.000			Recovery = 105.720%			
5) Toluene-D8(S)	7.98	98	181090	24.91	ppb	0.00
Spiked Amount 25.000			Recovery = 99.632%			
6) 4-Bromofluorobenzene(S)	10.63	95	70885	24.65	ppb	0.00
Spiked Amount 25.000			Recovery = 98.616%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M09.D Vial: 9
Acq On : 27 Jul 21 15:44 Operator: LP,DG,CH
Sample : BA36547W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	223868	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	199882m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7791m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

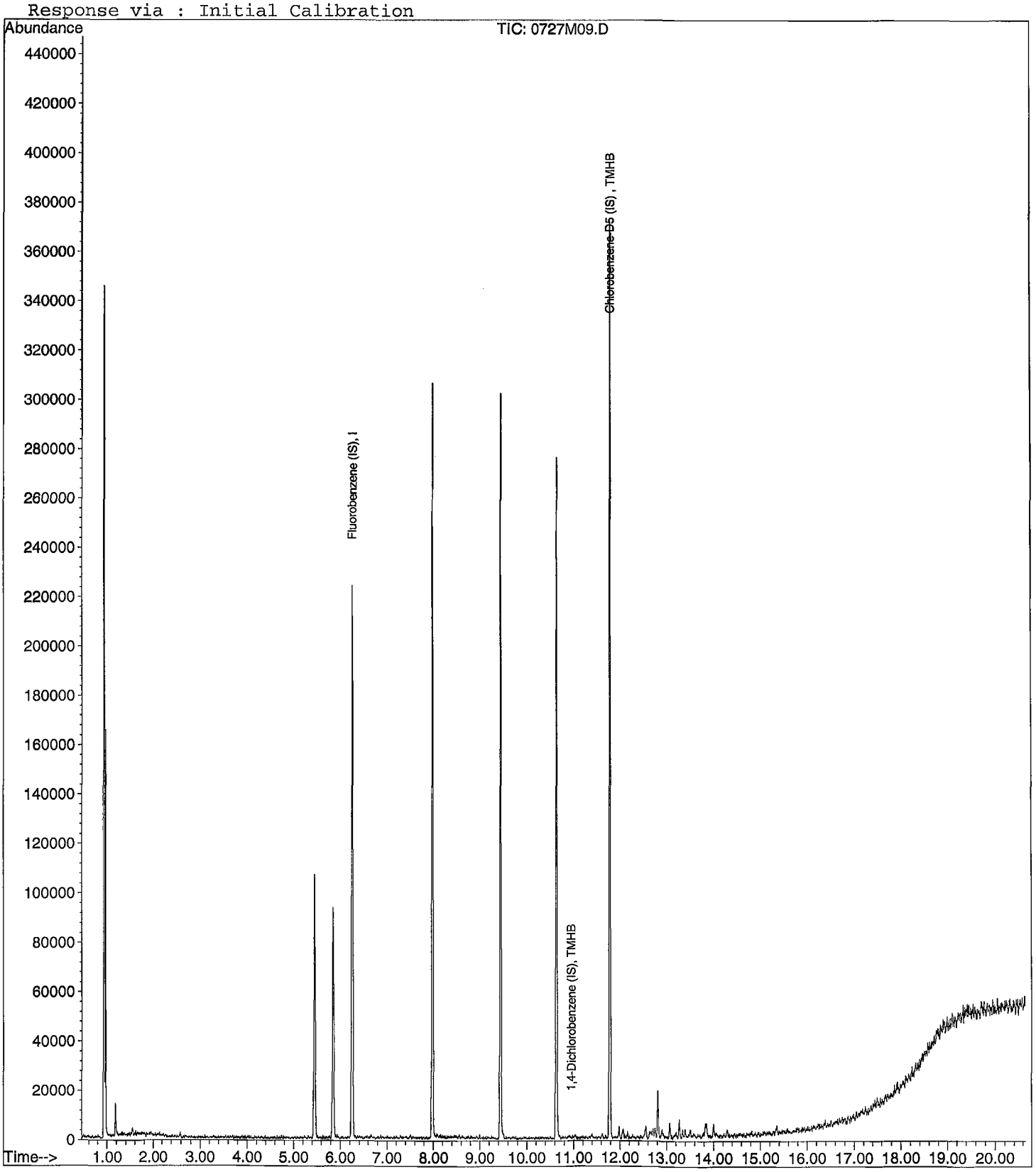
Data File : M:\MAX\DATA\210721\0727M09.D
Acq On : 27 Jul 21 15:44
Sample : BA36547W01
Misc : IS&S 6/4/21

Vial: 9
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:11 2021

Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M10.D Vial: 10
Acq On : 27 Jul 21 16:12 Operator: LP,DG,CH
Sample : BA36549W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	189722	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	164578	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	98568	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	62305	27.45	ppb	0.00
Spiked Amount 25.000			Recovery =	109.792%		
3) 1,2-DCA-D4(S)	5.85	65	40960	28.43	ppb	0.00
Spiked Amount 25.000			Recovery =	113.740%		
5) Toluene-D8(S)	7.98	98	183061	24.88	ppb	0.00
Spiked Amount 25.000			Recovery =	99.516%		
6) 4-Bromofluorobenzene(S)	10.63	95	74252	25.52	ppb	0.00
Spiked Amount 25.000			Recovery =	102.068%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M10.D Vial: 10
Acq On : 27 Jul 21 16:12 Operator: LP,DG,CH
Sample : BA36549W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	223422	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	190287m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8319m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

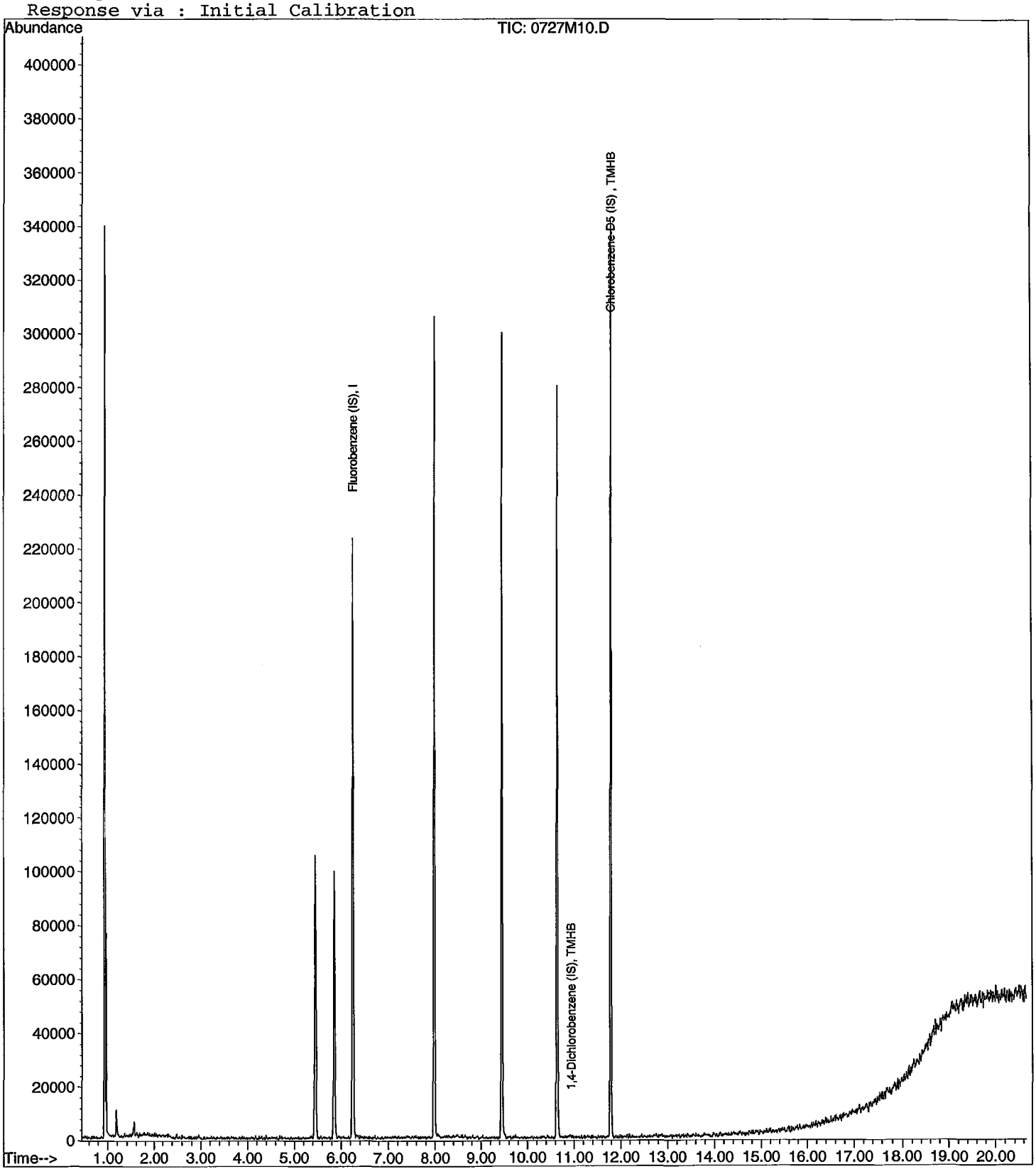
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M10.D Vial: 10
Acq On : 27 Jul 21 16:12 Operator: LP,DG,CH
Sample : BA36549W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M11.D Vial: 11
Acq On : 27 Jul 21 16:40 Operator: LP,DG,CH
Sample : BA36550W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	184185	25.00 ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	158181	25.00 ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	106460	25.00 ppb	0.00
System Monitoring Compounds					
2) Dibromofluoromethane(S)	5.45	111	58326	26.47 ppb	0.00
Spiked Amount 25.000			Recovery =	105.872%	
3) 1,2-DCA-D4(S)	5.85	65	39384	28.16 ppb	0.00
Spiked Amount 25.000			Recovery =	112.652%	
5) Toluene-D8(S)	7.98	98	176954	25.02 ppb	0.00
Spiked Amount 25.000			Recovery =	100.084%	
6) 4-Bromofluorobenzene(S)	10.63	95	68682	24.56 ppb	0.00
Spiked Amount 25.000			Recovery =	98.232%	

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M11.D Vial: 11
Acq On : 27 Jul 21 16:40 Operator: LP,DG,CH
Sample : BA36550W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	220101	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	238245m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	36283m	25.00	ppb	0.00
System Monitoring Compounds						
Target Compounds						Qvalue
2) Gasoline C6-C10	7.98	TIC	2478322m	22.38	ppb	100

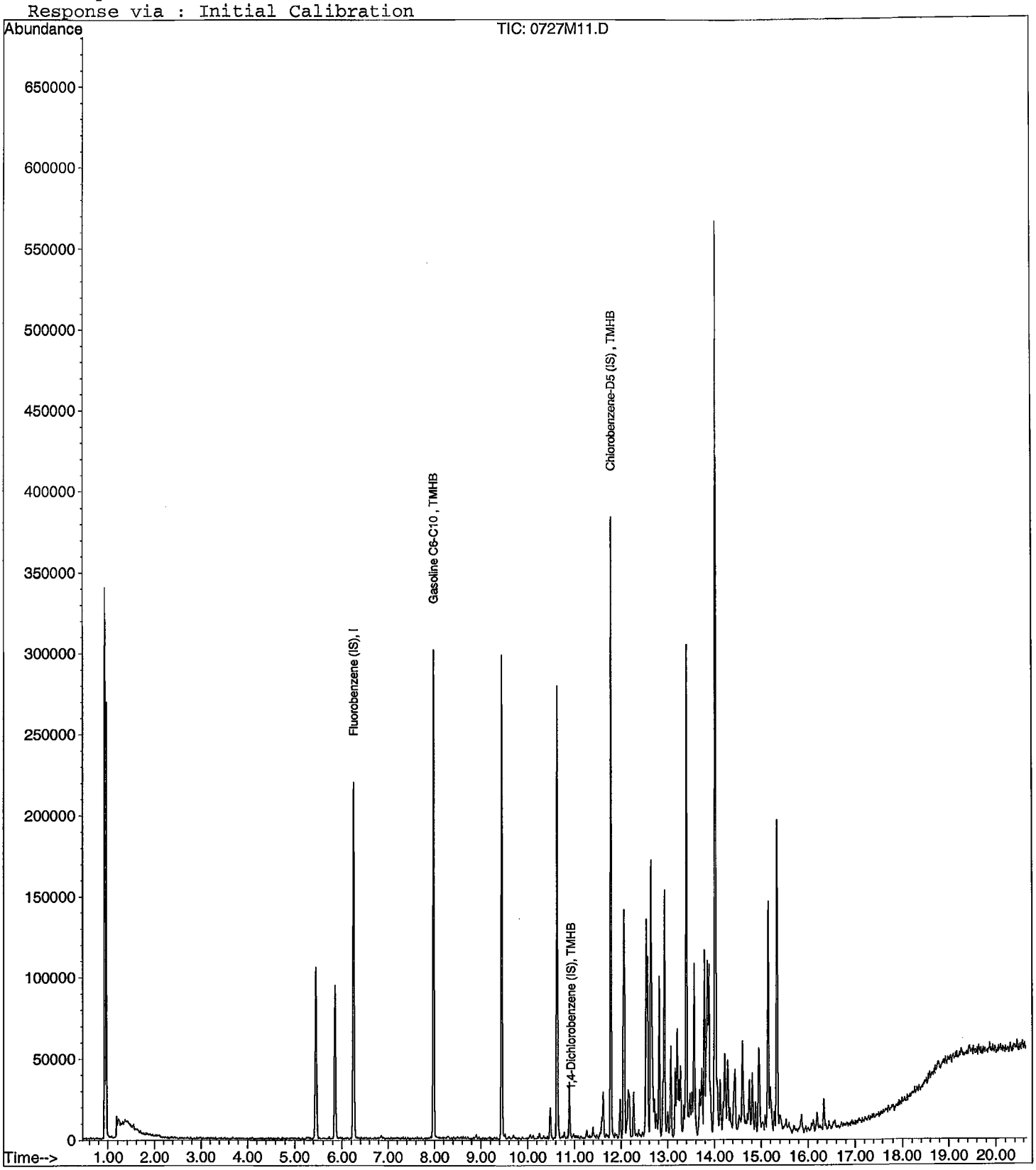
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M11.D Vial: 11
Acq On : 27 Jul 21 16:40 Operator: LP,DG,CH
Sample : BA36550W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M12.D Vial: 12
Acq On : 27 Jul 21 17:08 Operator: LP,DG,CH
Sample : BA36552W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	194613	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	165397	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	108073	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	60239	25.87	ppb	0.00
Spiked Amount 25.000			Recovery =	103.484%		
3) 1,2-DCA-D4(S)	5.85	65	41264	27.93	ppb	0.00
Spiked Amount 25.000			Recovery =	111.704%		
5) Toluene-D8(S)	7.98	98	184797	24.99	ppb	0.00
Spiked Amount 25.000			Recovery =	99.960%		
6) 4-Bromofluorobenzene(S)	10.63	95	71601	24.48	ppb	0.00
Spiked Amount 25.000			Recovery =	97.936%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M12.D Vial: 12
Acq On : 27 Jul 21 17:08 Operator: LP,DG,CH
Sample : BA36552W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	232015	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	194919m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8557m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

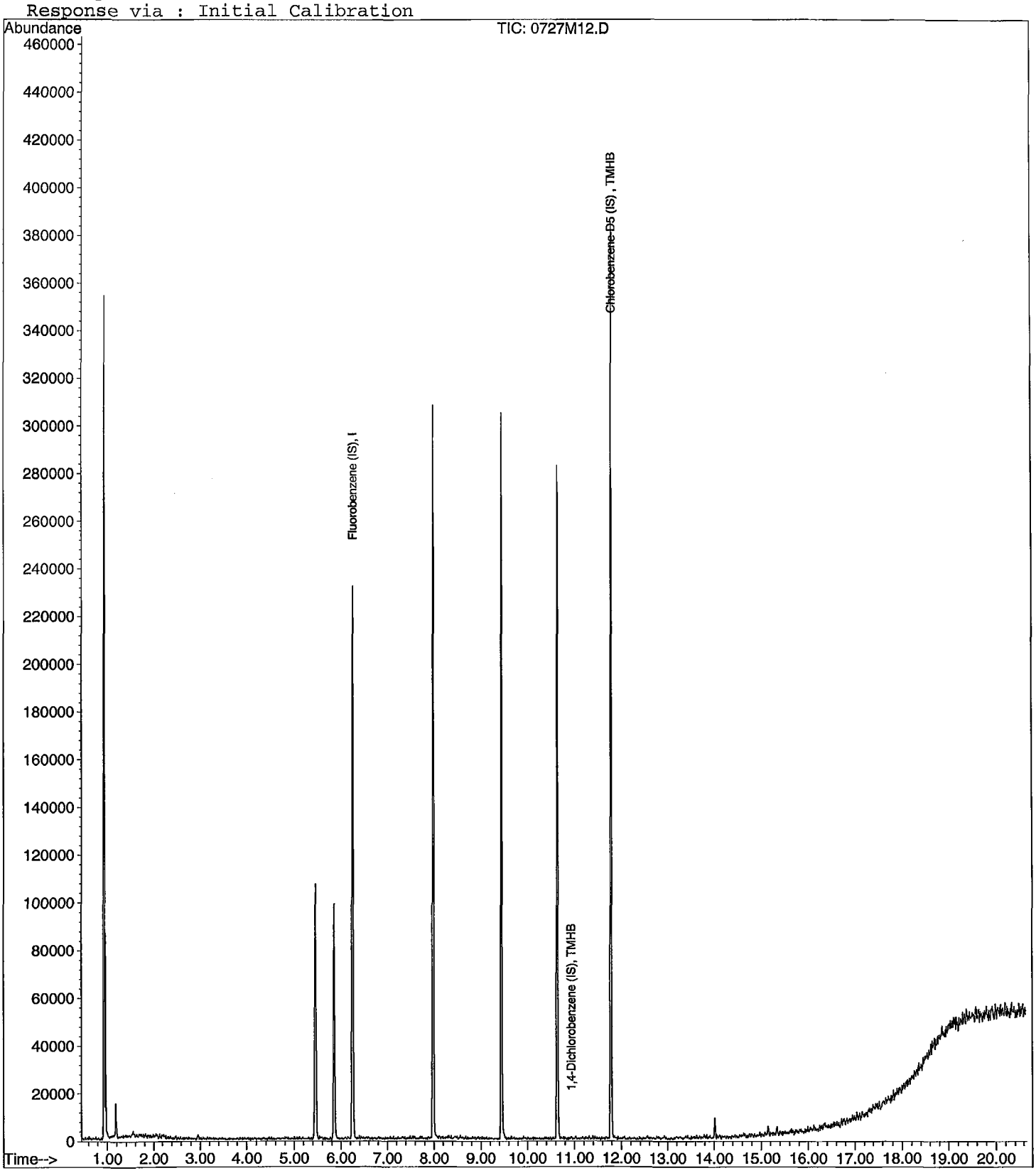
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M12.D Vial: 12
Acq On : 27 Jul 21 17:08 Operator: LP,DG,CH
Sample : BA36552W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:11 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M13.D Vial: 13
Acq On : 27 Jul 21 17:36 Operator: LP,DG,CH
Sample : BA36553W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	188253	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	160869	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	104642	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	58738	26.08	ppb	0.00
Spiked Amount 25.000			Recovery = 104.316%			
3) 1,2-DCA-D4(S)	5.85	65	39296	27.49	ppb	0.00
Spiked Amount 25.000			Recovery = 109.972%			
5) Toluene-D8(S)	7.98	98	180918	25.15	ppb	0.00
Spiked Amount 25.000			Recovery = 100.616%			
6) 4-Bromofluorobenzene(S)	10.63	95	71868	25.27	ppb	0.00
Spiked Amount 25.000			Recovery = 101.068%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M13.D Vial: 13
Acq On : 27 Jul 21 17:36 Operator: LP,DG,CH
Sample : BA36553W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:12 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	216921	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	199162m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8785m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

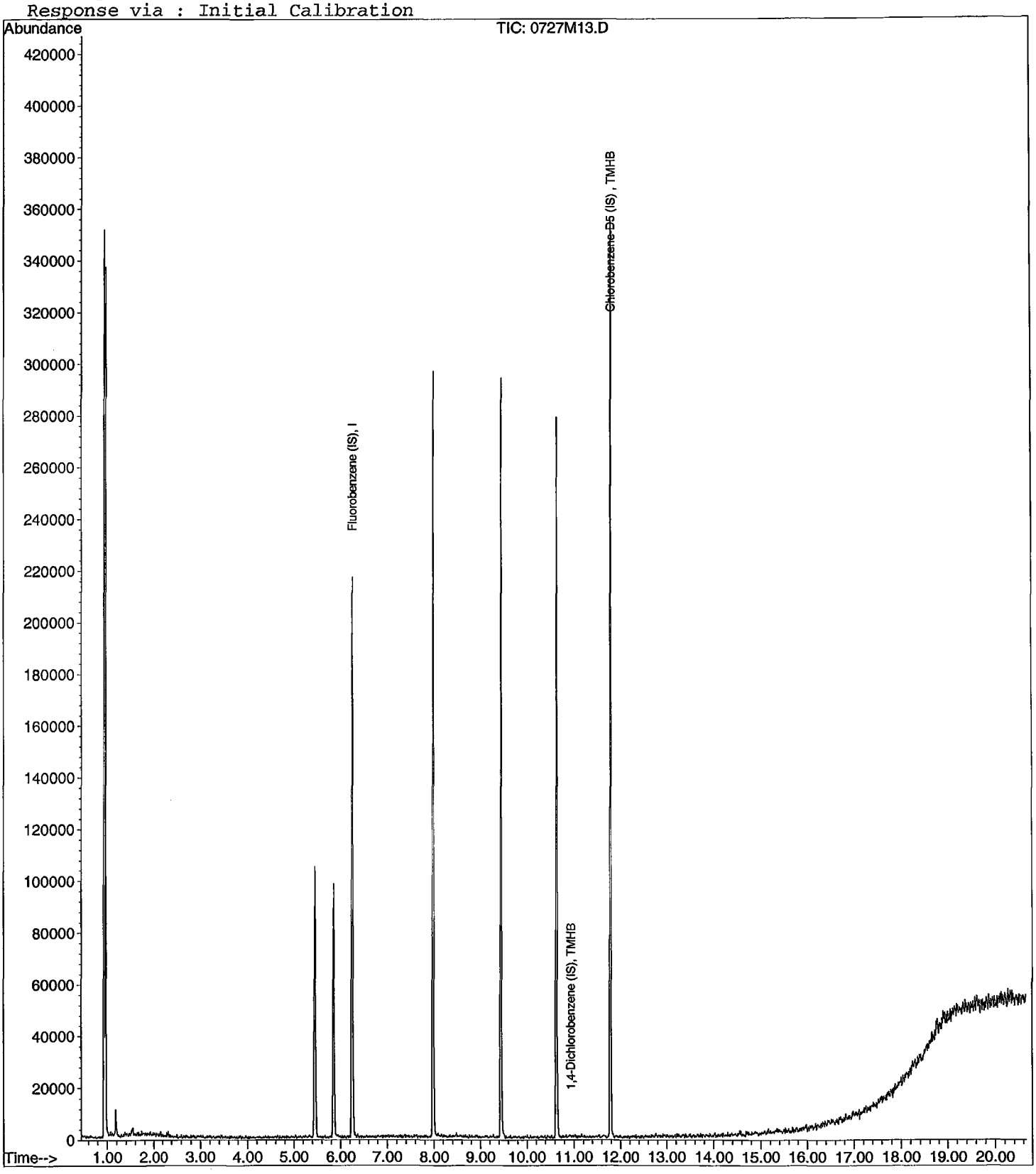
Data File : M:\MAX\DATA\210721\0727M13.D
Acq On : 27 Jul 21 17:36
Sample : BA36553W01
Misc : IS&S 6/4/21

Vial: 13
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:12 2021

Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M14.D Vial: 14
Acq On : 27 Jul 21 18:04 Operator: LP,DG,CH
Sample : BA36555W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	192430	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	165541	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	103869	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	60895	26.45	ppb	0.00
Spiked Amount 25.000			Recovery = 105.800%			
3) 1,2-DCA-D4(S)	5.85	65	40208	27.52	ppb	0.00
Spiked Amount 25.000			Recovery = 110.080%			
5) Toluene-D8(S)	7.98	98	181489	24.52	ppb	0.00
Spiked Amount 25.000			Recovery = 98.088%			
6) 4-Bromofluorobenzene(S)	10.63	95	71643	24.48	ppb	0.00
Spiked Amount 25.000			Recovery = 97.908%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M14.D Vial: 14
Acq On : 27 Jul 21 18:04 Operator: LP,DG,CH
Sample : BA36555W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:12 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	227785	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	199803m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	7408m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

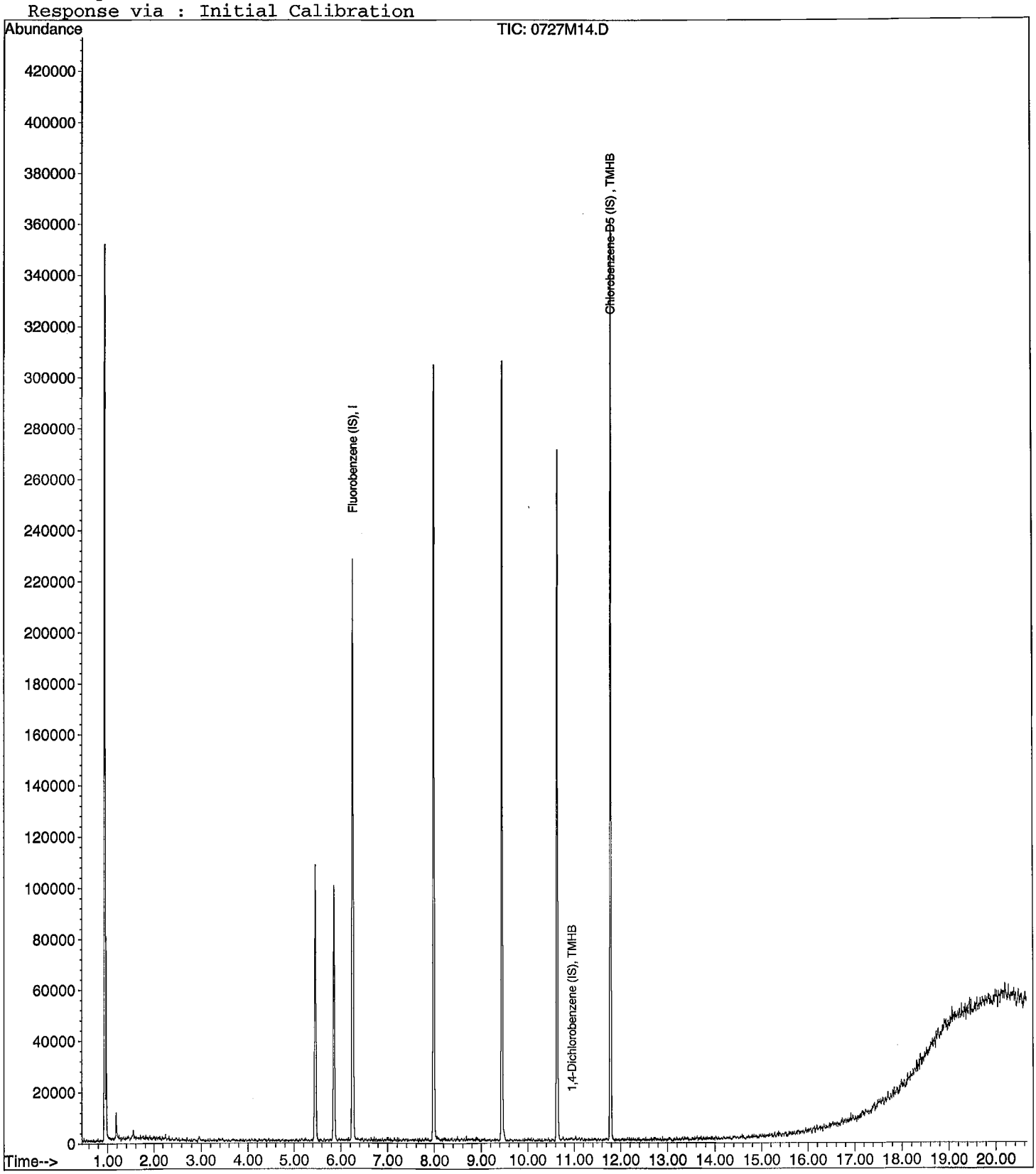
Data File : M:\MAX\DATA\210721\0727M14.D
Acq On : 27 Jul 21 18:04
Sample : BA36555W01
Misc : IS&S 6/4/21

Vial: 14
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:12 2021

Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M15.D Vial: 15
Acq On : 27 Jul 21 18:32 Operator: LP,DG,CH
Sample : BA36556W01 Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	186508	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	164708	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	104097	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.46	111	59130	26.50	ppb	0.00
Spiked Amount 25.000			Recovery =	105.992%		
3) 1,2-DCA-D4(S)	5.85	65	39384	27.81	ppb	0.00
Spiked Amount 25.000			Recovery =	111.248%		
5) Toluene-D8(S)	7.98	98	182989	24.85	ppb	0.00
Spiked Amount 25.000			Recovery =	99.396%		
6) 4-Bromofluorobenzene(S)	10.63	95	71190	24.45	ppb	0.00
Spiked Amount 25.000			Recovery =	97.784%		

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M15.D
Acq On : 27 Jul 21 18:32
Sample : BA36556W01
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:12 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	220107	25.00	ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	204895m	25.00	ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	8011m	25.00	ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

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

Quantitation Report

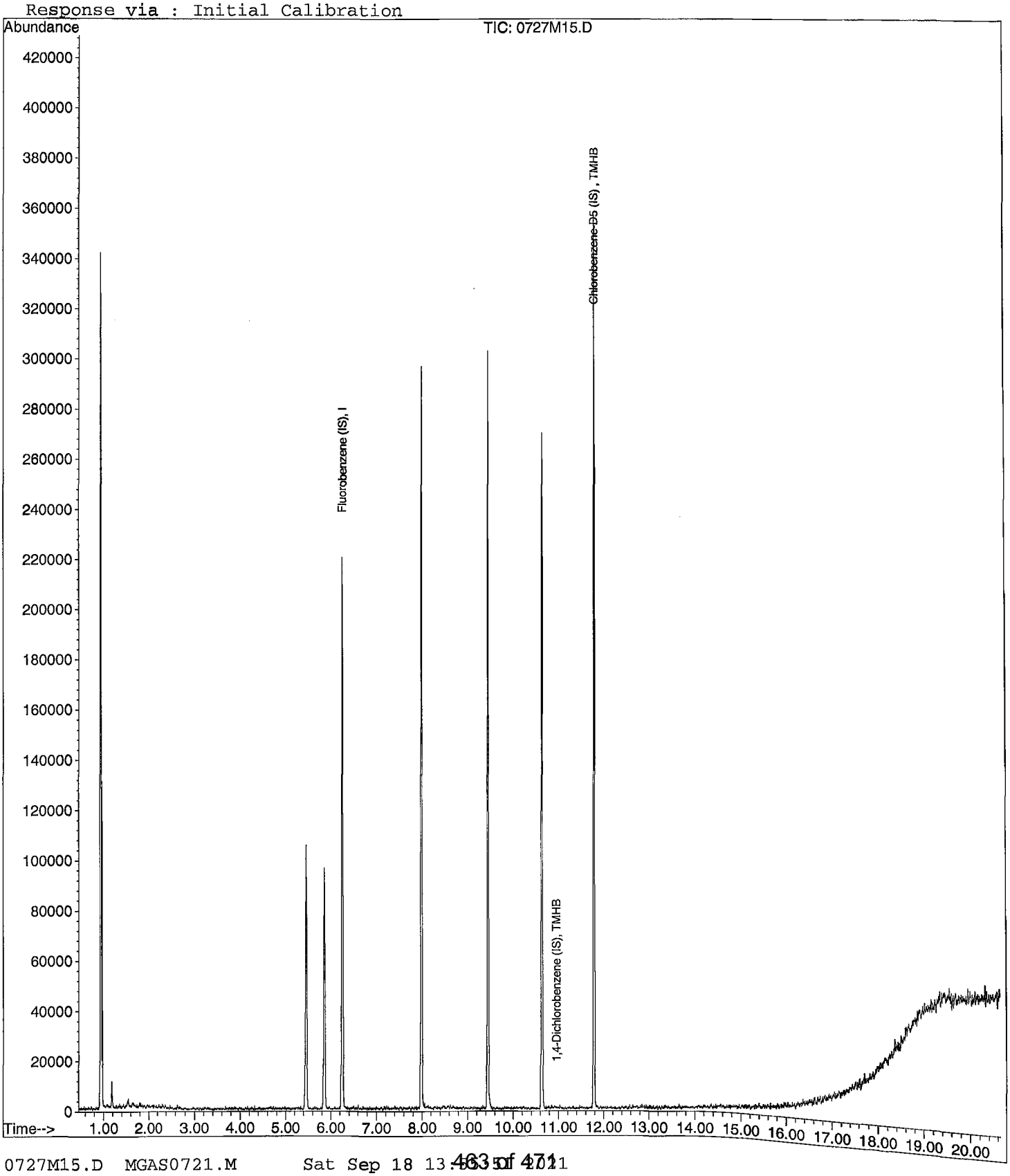
Data File : M:\MAX\DATA\210721\0727M15.D
Acq On : 27 Jul 21 18:32
Sample : BA36556W01
Misc : IS&S 6/4/21

Vial: 15
Operator: LP,DG,CH
Inst : Max
Multiplr: 1.00

Quant Time: Aug 3 11:12 2021

Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M07.D Vial: 7
Acq On : 27 Jul 21 14:48 Operator: LP,DG,CH
Sample : 210727A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	188076	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	165911	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	103707	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	58129	25.83	ppb	0.00
Spiked Amount 25.000			Recovery = 103.332%			
3) 1,2-DCA-D4(S)	5.85	65	38792	27.17	ppb	0.00
Spiked Amount 25.000			Recovery = 108.660%			
5) Toluene-D8(S)	7.98	98	183027	24.67	ppb	0.00
Spiked Amount 25.000			Recovery = 98.696%			
6) 4-Bromofluorobenzene(S)	10.63	95	72645	24.76	ppb	0.00
Spiked Amount 25.000			Recovery = 99.056%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M07.D Vial: 7
Acq On : 27 Jul 21 14:48 Operator: LP,DG,CH
Sample : 210727A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:10 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	219301	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	204348m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	9363m	25.00 ppb	0.00

System Monitoring Compounds

Target Compounds Qvalue

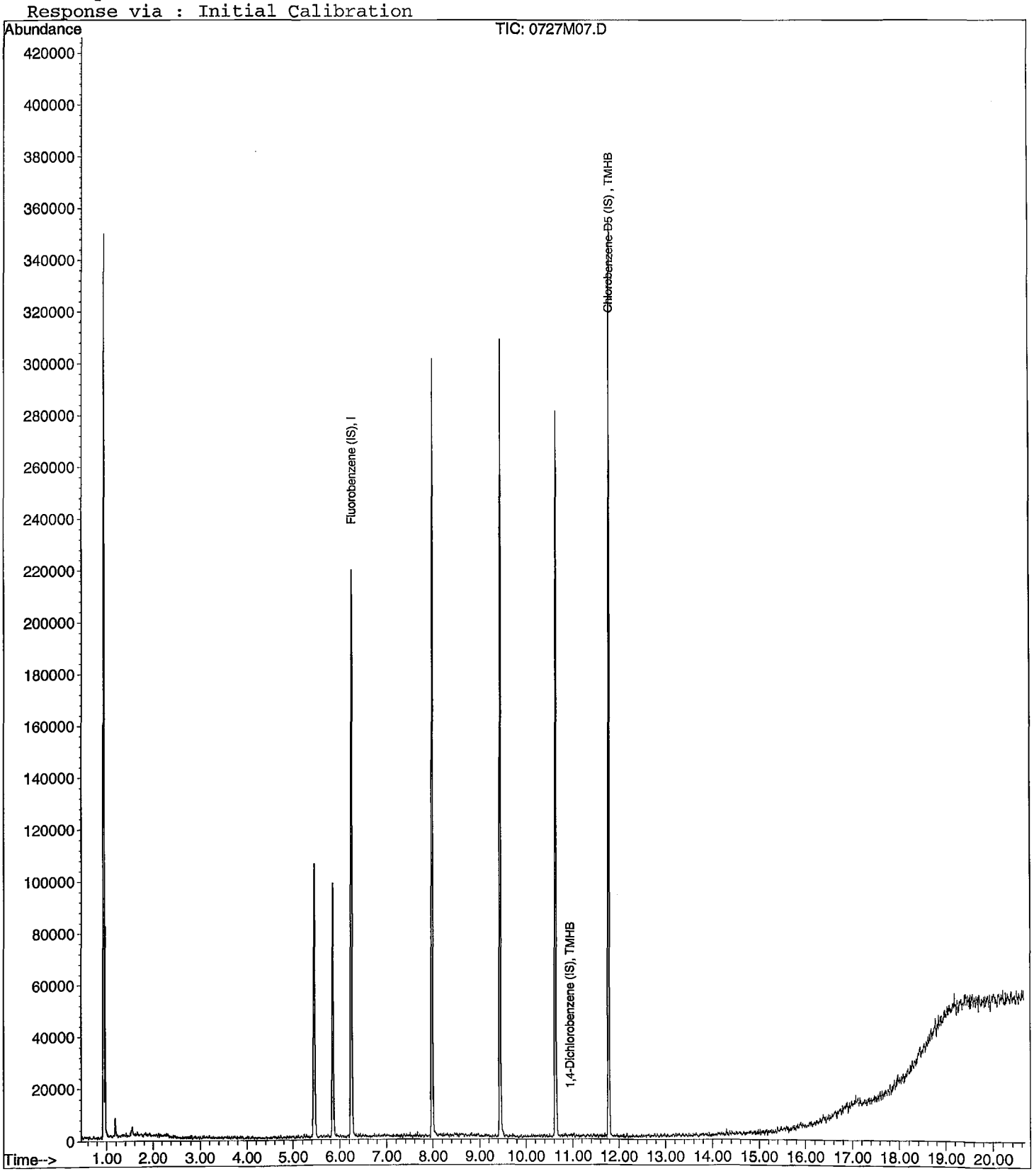
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M07.D Vial: 7
Acq On : 27 Jul 21 14:48 Operator: LP,DG,CH
Sample : 210727A BLK Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:10 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



Quantitation Report (Not Reviewed)

Data File : M:\MAX\DATA\210721\0727M06.D Vial: 6
Acq On : 27 Jul 21 14:20 Operator: LP,DG,CH
Sample : 210727A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Aug 3 11:13 2021 Quant Results File: M0721SUR.RES

Quant Method : M:\MAX\DATA\210721\M0721SUR.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Thu Jul 22 11:15:18 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	96	195565	25.00	ppb	0.00
4) Chlorobenzene-D5 (IS)	9.44	117	169228	25.00	ppb	0.00
7) 1,4-Dichlorobenzene-D (IS)	11.78	152	109679	25.00	ppb	0.00
System Monitoring Compounds						
2) Dibromofluoromethane(S)	5.45	111	60610	25.90	ppb	0.00
Spiked Amount 25.000			Recovery = 103.616%			
3) 1,2-DCA-D4(S)	5.85	65	42576	28.67	ppb	0.00
Spiked Amount 25.000			Recovery = 114.696%			
5) Toluene-D8(S)	7.98	98	186501	24.65	ppb	0.00
Spiked Amount 25.000			Recovery = 98.600%			
6) 4-Bromofluorobenzene(S)	10.63	95	75592	25.26	ppb	0.00
Spiked Amount 25.000			Recovery = 101.056%			

Target Compounds Qvalue

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

Quantitation Report (QT Reviewed)

Data File : M:\MAX\DATA\210721\0727M06.D Vial: 6
Acq On : 27 Jul 21 14:20 Operator: LP,DG,CH
Sample : 210727A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 10:02 2021 Quant Results File: MGAS0721.RES

Quant Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration
DataAcq Meth : M8260_071621

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
1) Fluorobenzene (IS)	6.25	TIC	234043	25.00 ppb	0.00
3) Chlorobenzene-D5 (IS)	11.78	TIC	227735m	25.00 ppb	0.00
4) 1,4-Dichlorobenzene (IS)	10.94	TIC	79889m	25.00 ppb	0.00
System Monitoring Compounds					
Target Compounds					Qvalue
2) Gasoline C6-C10	7.98	TIC	3787200m	268.52 ppb	100

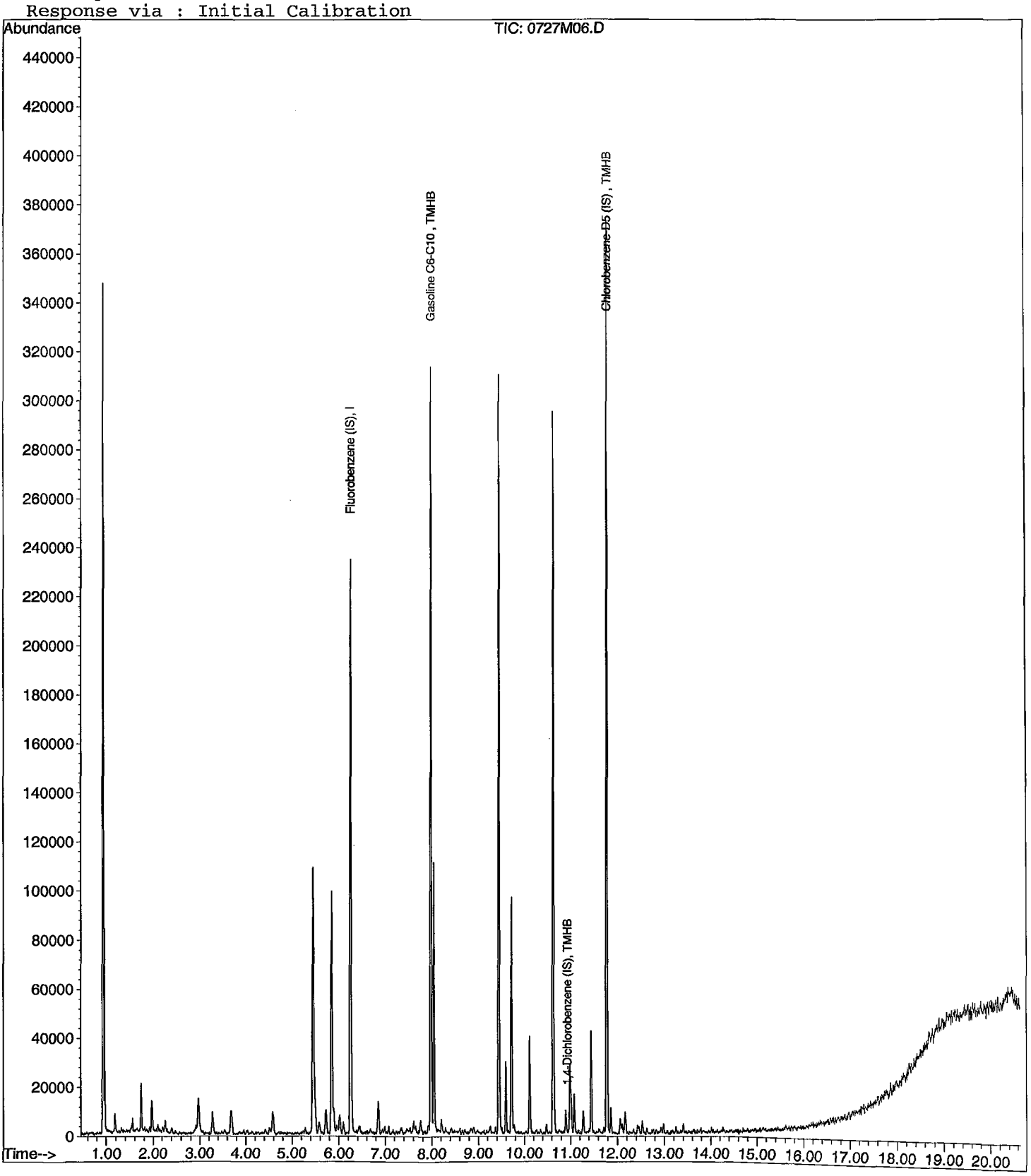
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : M:\MAX\DATA\210721\0727M06.D Vial: 6
Acq On : 27 Jul 21 14:20 Operator: LP,DG,CH
Sample : 210727A LCSD 300ug/L Inst : Max
Misc : IS&S 6/4/21 Multiplr: 1.00

Quant Time: Jul 28 10:02 2021 Quant Results File: MGAS0721.RES

Method : M:\MAX\DATA\210721\MGAS0721.M (RTE Integrator)
Title : METHOD 8260B
Last Update : Sun Jul 25 19:39:49 2021
Response via : Initial Calibration



MAX Gas Standard Prep

Gas Primary Working Standard

Prepared: 6/23/2021 — **Prepared By (Initials):** CH
Expires: 1/4/2022
Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
50,000ug/mL Gas STD	Restek	30205	50,000	A0132443	1/4/2022	12/31/2024	80uL	2mL	Methanol	2,000

Gas Second Source (SS) Working Standard

Prepared: 3/31/2021 — **Prepared By (Initials):** CH
Expires: 1/31/1930
Methanol Lot No.

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
Gasoline (50,000ppm)	Phenova	ALO-101543	50,000	CL14915-51175	1/4/2022	1/31/1930	80uL	2mL	Methanol	2,000

MAX Gas Calibration Curve

Prepared: 7/21/2021 — **Prepared By (Initials):** CH
Expires: 9/19/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
VOA Gasses Standards	Phenova	20ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	1uL	100mL	P&T Water	20
VOA Gasses Standards	Phenova	50ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	2.5uL	100mL	P&T Water	50
VOA Gasses Standards	Phenova	100ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	5uL	100mL	P&T Water	100
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300
VOA Gasses Standards	Phenova	600ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	30uL	100mL	P&T Water	600
VOA Gasses Standards	Phenova	800ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	40uL	100mL	P&T Water	800
VOA Gasses Standards	Phenova	1,000ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	50uL	100mL	P&T Water	1,000

Zeus Gas Second Source

Prepared: 7/21/2021 — **Prepared By (Initials):** CH
Expires: 9/19/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	APPL Mix Name	Conc. (ug/mL)	Reference To APPL Prep Date	Exp. Date	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/L)
50,000ug/mL Gas STD	Phenova	SS 300ug/L	2,000	Prepared 03/31/21	1/31/1930	N/A	15uL	100mL	P&T Water	300

MAX Gas Continuing Calibrations/Lab Control Spikes

Prepared: 7/21/2021 — **Prepared By (Initials):** CH
Expires: 7/22/2021

Initial Standard Information							Final Standard Information			
Name of Initial Standard (QAU Label)	Supplier	Supplier P/N#	Conc. (ug/mL)	Lot Number - QA Number	Exp. Date (1 yr)	Exp. Date (Manufacturers)	Aliquot From Stock	Final Volume	Solvent	Final Standard Conc. (ug/mL)
VOA Gasses Standards	Phenova	300ug/L	2,000	Prepared 06/23/21	1/4/2022	N/A	15uL	100mL	P&T Water	300

Injection Log

Directory: M:\MAX\DATA\210721\

Line	Vial	FileName	Multiplier	SampleName	Misc Info	Injected
1	2	0721M02.D	1	0.3ug/L VOC STD 7/21/21	IS&S 6/4/21	21 Jul 21 14:09
2	3	0721M03.D	1	0.5ug/L VOC STD 7/21/21	IS&S 6/4/21	21 Jul 21 14:38
3	4	0721M04.D	1	1ug/L VOC STD 7/21/23	IS&S 6/4/21	21 Jul 21 15:06
4	5	0721M05.D	1	2ug/L VOC STD 7/21/24	IS&S 6/4/21	21 Jul 21 15:34
5	6	0721M06.D	1	5ug/L VOC STD 7/21/25	IS&S 6/4/21	21 Jul 21 16:02
6	7	0721M07.D	1	10ug/L VOC STD 7/21/26	IS&S 6/4/21	21 Jul 21 16:30
7	8	0721M08.D	1	20ug/L VOC STD 7/21/27	IS&S 6/4/21	21 Jul 21 16:58
8	9	0721M09.D	1	40ug/L VOC STD 7/21/28	IS&S 6/4/21	21 Jul 21 17:26
9	10	0721M10.D	1	100ug/L VOC STD 7/21/29	IS&S 6/4/21	21 Jul 21 17:54
10	13	0721M13.D	1	20ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 19:18
11	14	0721M14.D	1	40ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 19:46
12	15	0721M15.D	1	100ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 20:14
13	16	0721M16.D	1	300ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 20:42
14	17	0721M17.D	1	600ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 21:10
15	18	0721M18.D	1	800ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 21:38
16	19	0721M19.D	1	1000ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 22:05
17	20	0721M20.D	1	(SS) 300ug/L GAS STD 7/21/21	IS&S 6/4/21	21 Jul 21 22:33
18	5	0727M05.D	1	210727A CCV/LCS 300ug/L	IS&S 6/4/21	27 Jul 21 13:52
19	6	0727M06.D	1	210727A LCSD 300ug/L	IS&S 6/4/21	27 Jul 21 14:20
20	7	0727M07.D	1	210727A BLK	IS&S 6/4/21	27 Jul 21 14:48
21	8	0727M08.D	1	BA36546W01	IS&S 6/4/21	27 Jul 21 15:16
22	9	0727M09.D	1	BA36547W01	IS&S 6/4/21	27 Jul 21 15:44
23	10	0727M10.D	1	BA36549W01	IS&S 6/4/21	27 Jul 21 16:12
24	11	0727M11.D	1	BA36550W01	IS&S 6/4/21	27 Jul 21 16:40
25	12	0727M12.D	1	BA36552W01	IS&S 6/4/21	27 Jul 21 17:08
26	13	0727M13.D	1	BA36553W01	IS&S 6/4/21	27 Jul 21 17:36
27	14	0727M14.D	1	BA36555W01	IS&S 6/4/21	27 Jul 21 18:04
28	15	0727M15.D	1	BA36556W01	IS&S 6/4/21	27 Jul 21 18:32
29	26	0727M26.D	1	Ending CCV 300ug/L 7/27/21	IS&S 6/4/21	27 Jul 21 23:38